Appendix B

Routine Wetland Determination Forms

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/03/2016
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W@WetA
Investigator(s): MK, RF	Section, Township, Range: Town of Wayland
Landform (hillside, terrace, etc.): Depression	Local relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.5066	۵12 Long: <u>-77.54793</u> Datum: <u>WGS 84</u>
Soil Map Unit Name: FrB - Fremont silt loam, 2-8% slope	NWI classification: PEM
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 Hydrologysignific:	antly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynatural!	y problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	ring sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Wetland A
Remarks: (Explain alternative procedures here or in a separate Drainage swale that connects to a depressional/pond feature	report.)

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks (B6)
X Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3)	X Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
X Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8	3)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes X	No Depth (inches): 2		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes X	No Depth (inches): 0	Wotlan	d Hydrology Present? Yes X No
		W Ctian	
(includes capillary fringe)		Wettan	
(includes capillary fringe) Describe Recorded Data (stream gauge, mon	itoring well, aerial photos, previous inspe-	ctions), if a	available:
(includes capillary fringe) Describe Recorded Data (stream gauge, mon	itoring well, aerial photos, previous inspe-	ctions), if a	available:
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(includes capillary fringe) Describe Recorded Data (stream gauge, mon Remarks:	itoring well, aerial photos, previous inspe	ctions), if a	available:

Sampling Point: 1W@WetA

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:5(A)
3				Total Number of Dominant Species Across All Strata: <u>6</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>83.3%</u> (A/B)
7				Prevalence Index worksheet:
	:	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 20 x 1 =20
1. Cornus racemosa	20	Yes	FAC	FACW species 55 x 2 = 110
2. Rosa multiflora	15	Yes	FACU	FAC species 20 x 3 =60
3. <u>Salix spp.</u>	10	Yes	FACW	FACU species 40 x 4 =160
4				UPL species x 5 =0
5.				Column Totals: 135 (A) 350 (B)
6.				Prevalence Index = $B/A = 2.59$
7.				Hydrophytic Vegetation Indicators:
	45	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	25	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Carex spp.	20	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Juncus effusus	20	Yes	OBL	data in Remarks or on a separate sheet)
4. Plantago lanceolata	10	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Poa pratensis	15	No	FACU	(
6				Indicators of hydric soil and wetland hydrology must
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				
	90	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in height
2				Toght
3				Hydrophytic
3				Vegetation Present? Ves X No
4		-Total Covar		
	ale sheel.)			

SOIL

Profile Desc	ription: (Describe	to the de	epth needed to doc	ument tl	he indica	ator or co	onfirm the absence o	of indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-1	10YR 3/3	90	10YR 3/6	10	С	PL/M	Loamy/Clayey	Distinct redox concentrations
1-18	5Y 4/1	60	10YR 4/6	40	С	PL/M	Loamy/Clayey	Prominent redox concentrations
¹ Type: C=Co	oncentration, D=Dep	letion, RI	M=Reduced Matrix, N	/IS=Masl	ked Sand	d Grains.	² Location: F	2L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators f	or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (l	LRR R,	2 cm Mi	uck (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B	8)			Coast P	rairie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	face (S9)) (LRR R	, MLRA 1	1 49B) 5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalu	ue Below Surface (S8) (LRR K, L)
Stratified	I Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Ma	nganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		X Depleted Matri	ix (F3)			Piedmo	nt Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	rent Material (F21)
Sandy R	edox (S5)		Redox Depres	sions (Fa	B)		Very Sh	allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	RK,L)			Other (E	Explain in Remarks)
Dark Sur	face (S7)			. ,			`	
³ Indicators of	hydrophytic vegetat	tion and v	wetland hydrology m	ust be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Туре:								
Depth (ir	iches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								
This data for	m is revised from No	orthcentra	al and Northeast Reg	ional Su	pplement	t Version	2.0 to include the NR	CS Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (http://v	ww.nrcs	.usda.gov/internet/F3	SE_DOC		S/nrcs14	2p2_051293.docx)	

Project/Site: Baron V	Vinds Project	t		City/County: Steuber	n County		Sampling Date:	10/03/2016
Applicant/Owner:	Everpower V	Vind Holdings, In	с.		State:	NY	Sampling Point:	1U@WetA
Investigator(s): MK, F	RF			Section, Tov	vnship, Range:	Town of	Wayland	
Landform (hillside, terr	race, etc.):	Flat/Agricultural	Local	relief (concave, conve	x, none): <u>none</u>		Slope	%: 0
Subregion (LRR or ML	RA): LRR	R, MLRA 140	Lat: 42.506521	Long:	-77.547758		Datum:	WGS 84
Soil Map Unit Name:	FrB - Fremo	nt silt loam, 2-8%	slope		NWI classi	fication:	none	
Are climatic / hydrolog	ic conditions	on the site typica	al for this time of year?	Yes X	No	(If no, e	explain in Remarks	s.)
Are Vegetation	, Soil	, or Hydrology	significantly distu	rbed? Are "Norm	al Circumstance	es" pres	ent? Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally problem	atic? (If needed	, explain any an	swers in	Remarks.)	
SUMMARY OF FI	INDINGS -	- Attach site	map showing sam	pling point locati	ions, transed	cts, im	portant featur	es, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No X No X No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu Agricultural field.	res here or in a	separate report.)	

	tors:				Secondary Indicators (min	nimum of two required)
Primary Indicators (minimu	n of one is requ	uired; check a	I that apply)		Surface Soil Cracks (I	B6)
Surface Water (A1)		Water	-Stained Leaves (B9)		Drainage Patterns (B1	10)
High Water Table (A2)		Aquat	ic Fauna (B13)		Moss Trim Lines (B16	6)
Saturation (A3)		Marl D	Marl Deposits (B15)			ble (C2)
Water Marks (B1)		Hydro	gen Sulfide Odor (C1)		Crayfish Burrows (C8))
Sediment Deposits (B2)	Oxidiz	ed Rhizospheres on Living R	oots (C3)	Saturation Visible on A	Aerial Imagery (C9)
Drift Deposits (B3)		Prese	nce of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)
Algal Mat or Crust (B4)		Recer	nt Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position	(D2)
Iron Deposits (B5)		Thin N	/luck Surface (C7)		Shallow Aquitard (D3))
Inundation Visible on A	erial Imagery (E	37) Other	(Explain in Remarks)		Microtopographic Reli	ief (D4)
Sparsely Vegetated Co	ncave Surface	(B8)			FAC-Neutral Test (D5	i)
Field Observations:						
Surface Water Present?	Yes	No	Depth (inches):			
Water Table Present?	Yes	No	Depth (inches):			
Saturation Present?	Yes	No	Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X
(includes capillary fringe)						
Describe Recorded Data (s	tream gauge, m	onitoring well	, aerial photos, previous inspe	ections), if	available:	
Remarks:						
Remarks:						
Remarks:						
Remarks:						
Remarks:						
Remarks:						
Remarks:						
Remarks:						
Remarks:						
Remarks:						

Sampling Point: 1U@WetA

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
1				FACW species 0 x 2 = 0
2				FAC species x 3 =60
3				FACU species 130 x 4 = 520
4				UPL species 10 x 5 = 50
5				Column Totals: 160 (A) 630 (B)
6				Prevalence Index = B/A = 3.94
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Phleum pratense	50	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Trifolium repens	50	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Solidago spp.	10	No	FACU	data in Remarks or on a separate sheet)
4. Plantago lanceolata	20	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Persicaria maculosa	20	No	FAC	¹ Indiastors of hydric soil and watland hydrology must
6. Daucus carota	10	No	UPL	be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree Weeds plants 2 in (7.0 err.) er mere in
9.				diameter at breast height (DBH), regardless of height.
10.				Oralling (character Marscharden Lange Athen 10 in DDU
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	160	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				
, ,				height.
2.				
3.				Hydrophytic
4				Vegetation Present? Yes No X
*		-Total Cover		
Pamarke: (Include photo numbers here or on a sena	rate sheet)			

Profile Desc	ription: (Describe	to the de	epth needed to docu	ument t	he indica	ator or co	onfirm the absence o	f indicators.)
Depth	Matrix		Redo	x Featur	res	1 - 2	Tautum	Description
(Inches)	Color (moist)	%	Color (moist)	%	Туре	LOC	I exture	Remarks
0-16	2.5Y 4/1	80	10YR 3/6	20	С	Μ	Loamy/Clayey	Prominent redox concentration
¹ Type: C=Co	ncentration, D=Dep	etion, RI	M=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:	,	*				Indicators f	or Problematic Hydric Soils ³ :
- Histosol ((A1)		Polyvalue Belo	w Surfa	ice (S8) (LRR R,	2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B	5)	() (Coast P	rairie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	, ace (S9) (LRR R	, MLRA 1	149B) 5 cm Mu	ucky Peat or Peat (S3) (LRR K, L,
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	, S11) (LRI	, R K, L)	, Polyvalu	le Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamv Gleved	Matrix ((F2)	. ,	Iron-Mar	nganese Masses (F12) (LRR K. L.
 Thick Da	rk Surface (A12)	()	Depleted Matri	x (F3)	` ,		Piedmor	nt Floodplain Soils (F19) (MLRA 1
Sandy M	uckv Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic S	podic (TA6) (MLRA 144A, 145, 14
Sandy Gl	leved Matrix (S4)		Depleted Dark	Surface	, (F7)		Red Par	ent Material (F21)
Sandy Re	edox (S5)		Redox Depres	sions (F	8)		Very Sh	allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K. L)	- /		Other (E	xplain in Remarks)
Dark Sur	face (S7)			, _,				· · · · · · · · · · · · · · · · · · ·
³ Indicators of	hydrophytic vegetat	ion and v	wetland hydrology mu	ust be pi	resent, ur	nless dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (in	ches):						Hvdric Soil Prese	nt? Yes No X
Remarks:	n is revised from No	rthoontro	l and Northaast Dag	ional Cu	nnlaman	+ Voraian	2.0 to include the ND	CC Field Indiantors of Lludrin Coils
Version 7.0.2	2015 Errata (http://w		usda gov/Internet/F	SE DOC	IPPIEMEN CLIMENT	S/nrcs14	2.0 to include the NRV 2n2 (051293 docx)	CS Field Indicators of Hydric Solis
v croion 7.0, 2		///////////////////////////////////////	.uouu.gov/internet/1	02_000	SOMENT	0/11/0014	202_001200.00000)	
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Project/Site: Bar	on Winds Projec	.t.		City/Count	y: Steuber	າ County		Sampling Date: 10	/03/2016
Applicant/Owner:	Everpower '	Wind Holdings, Inc.				State:	NY	Sampling Point:	1W@WetB
Investigator(s): M	IK, RF			S(ection, Tov	wnship, Range: T	own of	Cohocton	
Landform (hillside,	, terrace, etc.):	Depression/ toe of	i slope	Local relief (conca	ave, conve	x, none): <u>concav</u>	е	Slope %	o: <u>0</u>
Subregion (LRR or	r MLRA): LRR	. R, MLRA 140 La	at: 42.497355		Long:	-77.523828		Datum: W	GS 84
Soil Map Unit Nam	ne: FL - Fluvaq	uents and Ochrepts	,			NWI classif	ication:	PEM	
Are climatic / hydro	ologic conditions	s on the site typical f	ior this time of y	year?	Yes X	No	(If no, e	əxplain in Remarks.)	
Are Vegetation	, Soil	, or Hydrology	significantly	/ disturbed?	Are "Norm	al Circumstance	s" pres	ent? Yes <u>X</u> N	0
Are Vegetation	, Soil	, or Hydrology	naturally pr	oblematic?	(If needed	l, explain any ans	swers in	ı Remarks.)	
SUMMARY OF		– Attach site ma	ap showing	J sampling poi	nt locati	ions, transec	:ts, im	portant feature	s, etc.
Hydrophytic Vege	etation Present?	Yes >	X No	Is the Sa	ampled Ar	ea			

Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No	within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland B
Remarks: (Explain alternative procedu	ures here or in a separate report.)	

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

Sampling Point: 1W@WetB

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3				Total Number of Dominant Species Across All Strata: 1 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
	:	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1.				FACW species 100 x 2 = 200
2.				FAC species $0 x 3 = 0$
3.				FACU species $0 x 4 = 0$
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 100 (A) 200 (B)
6				$\frac{1}{2} = \frac{1}{2} = \frac{1}$
7				Hydronhytic Vegetation Indicators:
··	·	-Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1 Pholoris arundingcoo	100	Voc		$\frac{1}{2}$ 2 Dominance results > 00 /0
	100	163	1700	4 - Morphological Adaptations1 (Provide supporting
2.				data in Remarks or on a separate sheet)
S				Decklemetic I hydrophytic) (contation ¹ (Cycleic)
4				
5.				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7	<u> </u>			Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9		. <u> </u>		diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11	. <u> </u>			and greater than or equal to 3.28 ft (1 m) tall.
12	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL	
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FIOINE Des	cription: (Describe	to the dep	oth needed to doc	ument th	ne indica	tor or co	onfirm the absence of	indicators.)
Depth	Matrix		Redo	x Featur	es1	2	_	
(inches)	Color (moist)	%	Color (moist)	%	Туре	Loc ²	Texture	Remarks
0-2	10YR 3/3	100					Loamy/Clayey	
2-14	10YR 3/2	90	10YR 3/6	10	<u> </u>	PL/M	Loamy/Clayey	Prominent redox concentrations
		· ·			_	_		
		· ·			_			
		· ·			\square			
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Masl	ked Sand	l Grains.	² Location: PI	L=Pore Lining, M=Matrix.
Hydric Soil Histosol Histic E Black H Hydroge Stratified Deplete Thick Da Sandy N Sandy C Sandy F Stripped Dark Su	Indicators: (A1) bipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) Aucky Mineral (S1) Bleyed Matrix (S4) Redox (S5) I Matrix (S6) rface (S7) f hydrophytic vegetai	Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri X Redox Dark So Depleted Dark Redox Depres Marl (F10) (LR	w Surfac) ace (S9) Sands (S Mineral (Matrix (x (F3) urface (F Surface sions (F R K, L)	ce (S8) (l (LRR R (F1) (LRI (F1) (LRI (F1) (LRI (F7) (F7) 3)	LRR R, , MLRA 1 R K, L) R K, L)	Indicators fo 2 cm Mu Coast Pr 49B) 5 cm Mu Polyvalue Thin Darl Iron-Man Piedmon Mesic Sp Red Pare Very Sha Other (Es	br Problematic Hydric Soils": ck (A10) (LRR K, L, MLRA 149B) airie Redox (A16) (LRR K, L, R) cky Peat or Peat (S3) (LRR K, L, R) e Below Surface (S8) (LRR K, L) k Surface (S9) (LRR K, L) iganese Masses (F12) (LRR K, L, R) t Floodplain Soils (F19) (MLRA 149B) bodic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) xplain in Remarks)	
Restrictive	Layer (if observed):						•	
Type: Depth (i	nches):						Hydric Soil Presen	nt? Yes <u>X</u> No
Remarks: This data for Version 7.0,	m is revised from No 2015 Errata. (http://v	orthcentral www.nrcs.u	and Northeast Reg usda.gov/Internet/F	ional Su SE_DOC	pplemen CUMENT	t Version S/nrcs14:	2.0 to include the NRC 2p2_051293.docx)	CS Field Indicators of Hydric Soils,

Project/Site: Baron \	Winds Proje	ct		(City/County: Steuber	County		Sampling Date:	0/03/2016
Applicant/Owner:	Everpower	Wind Holdings, Ir	nc.			State:	NY	Sampling Point:	1U@WetB
Investigator(s): MK, I	RF				Section, Tov	nship, Range:]	Town of	Cohocton	
Landform (hillside, ter	race, etc.):	Flat/ Oldfield		Local re	lief (concave, conve	, none): <u>convex</u>		Slope	%: 0
Subregion (LRR or ML	_RA): <u>LRF</u>	R R, MLRA 140	Lat:	42.497289	Long:	-77.523770		Datum:	NGS 84
Soil Map Unit Name:	FL - Fluva	quents and Ochre	ots			NWI classif	ication:	none	
Are climatic / hydrolog	gic condition	s on the site typic	al for t	this time of year?	Yes X	No	(If no, e	explain in Remarks	.)
Are Vegetation	, Soil	, or Hydrology		significantly disturbe	ed? Are "Norm	al Circumstance	es" prese	ent? Yes X	No
Are Vegetation	, Soil	, or Hydrology		naturally problemation	c? (If needed	, explain any ans	swers in	Remarks.)	
SUMMARY OF F	INDINGS	- Attach site	map	showing samp	ling point locati	ons, transec	ts, im	portant featur	es, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes NoX If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indicators:		<u>-</u>	Secondary Indicators (mining	mum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks (B	6)
Surface Water (A1)	Water-Stained Leaves (B9)	_	Drainage Patterns (B10))
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Tab	ole (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on A	erial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Pla	ants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (I	D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relie	f (D4)
Sparsely Vegetated Concave Surface (B8	3)	_	FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes	No X Depth (inches):			
Saturation Present? Yes	No X Depth (inches):	Wetland	Hydrology Present?	Yes No X
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mon	itoring well, aerial photos, previous inspe-	ctions), if av	/ailable:	
Remarks:				

Sampling Point: 1U@WetB

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3 4				Total Number of Dominant Species Across All Strata: 1 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =0
1				FACW species 0 x 2 = 0
2				FAC species 0 x 3 = 0
3.				FACU species 35 x 4 = 140
4.				UPL species 100 x 5 = 500
5.				Column Totals: 135 (A) 640 (B)
6.				Prevalence Index = $B/A = 4.74$
7.				Hvdrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1 Vicia cracca	100	Yes	UPI	3 - Prevalence Index is < 3.01
2 Solidado sop	25	<u> </u>	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3 Publis spp	10	No	FACU	data in Remarks or on a separate sheet)
a. <u>Nubus spp.</u>		110	1700	Problematic Hydrophytic Vegetation ¹ (Evolution)
4				
5				¹ Indicators of hydric soil and wetland hydrology must
б				be present, unless disturbed or problematic.
/				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	135	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				
1,				Woody vines – All woody vines greater than 3.28 ft in height.
2				Hydrophytic
3				Vegetation
4				Present? Yes <u>No X</u>
	:	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Depth	Matrix		Redo	x Featur	res				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remark	(S
0-14	10YR 3/2	100					Loamy/Clayey		
	·								
	·								
	· ·								
	·								
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL=P	ore Lining, M=Mat	rix.
Hydric Soil	Indicators:						Indicators for P	oblematic Hydric	: Soils ³ :
Histoso	l (A1)		Polyvalue Belo	ow Surfa	ce (S8) (LRR R,	2 cm Muck (A10) (LRR K, L, N	ILRA 149B)
Histic E	pipedon (A2)		MLRA 1498	8)			Coast Prairie	Redox (A16) (LR	R K, L, R)
Black H	istic (A3)		Thin Dark Sur	face (S9) (LRR R	, MLRA 1	49B) 5 cm Mucky	Peat or Peat (S3)	(LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma	Sands (S	611) (LRI	R K, L)	Polyvalue Be	low Surface (S8)	(LRR K, L)
Stratifie	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark Su	Irface (S9) (LRR K	K, L)
Deplete	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Mangan	ese Masses (F12)	(LRR K, L, R)
Thick D	ark Surface (A12)		Depleted Matr	ix (F3)			Piedmont Flo	odplain Soils (F19	9) (MLRA 1491
Sandy M	Aucky Mineral (S1)		Redox Dark S	urface (F	-6)		Mesic Spodie	C (1A6) (MLRA 14	4A, 145, 149B
Sandy (Bleyed Matrix (S4)		Depleted Dark	Surface	e (⊢7)		Red Parent I	Aaterial (F21)	•
Sandy F	Kedox (S5)		Redox Depres		8)		Very Shallow	Dark Surface (F2	2)
Stripped	Matrix (S6)		Mari (F10) (LR	(R K, L)			Other (Expla	n in Remarks)	
Dark St	Inace (S7)								
³ Indiantoro d	f hydrophytic ycerotot	ion and w	atland budralagy m	uat ha n	rocont in	alaaa diat	urbad ar problematic		
Restrictive	l aver (if cheerved)	ion and w	eliand hydrology m	ust be p	resent, u	liess dist	urbed of problematic.		
Type	Layer (il observeu).								
Type.									
Depth (i	nches):						Hydric Soil Present?	Yes	<u>No X</u>
Remarks:									
This data fo	rm is revised from No	orthcentral	and Northeast Reg	ional Su	Ipplemen	t Version	2.0 to include the NRCS F	ield Indicators of H	Hydric Soils,
version 7.0,	2015 Errata. (http://v	ww.nrcs.u	Isda.gov/Internet/F	SE_DOU	JUMENT	S/nrcs14	2p2_051293.docx)		

Project/Site: Baron Winds Project	ect	City/County: Steuben County Samp				
Applicant/Owner: Everpowe	r Wind Holdings, Inc.	State:	NY Sampling Point: 1W @ Wet C			
Investigator(s): MK, RF		Section, Township, Range: Township, Range: Township, Range: Township, Range: Township, Range: Township, Range:	wn of Cohocton			
Landform (hillside, terrace, etc.):	Depression, hillside seep	Local relief (concave, convex, none): concave	Slope %: 1-3			
Subregion (LRR or MLRA): LRI	R, MLRA 140 Lat: 42.497879	Long: -77.523612	Datum: WGS 84			
Soil Map Unit Name: FL - Fluva	quents and Ochrepts	NWI classifica	ation: PSS/PEM			
Are climatic / hydrologic condition	is on the site typical for this time of	year? Yes X No (If	f no, explain in Remarks.)			
Are Vegetation, Soil	, or Hydrologysignificantl	y disturbed? Are "Normal Circumstances"	present? Yes X No			
Are Vegetation, Soil	, or Hydrology naturally p	roblematic? (If needed, explain any answ	ers in Remarks.)			
SUMMARY OF FINDINGS	– Attach site map showing	g sampling point locations, transects	s, important features, etc.			
Hydrophytic Vegetation Present	? Yes X No	Is the Sampled Area				
Hydric Soil Present?	Yes X No	within a Wetland? Yes	X No			
Wetland Hydrology Present?	Yes X No	If yes, optional Wetland Site ID: We	etland C			
Remarks: (Explain alternative p Hillside seep that drains down s	rocedures here or in a separate rep ope and east.	port.)				

Wetland Hydrology Indicators:						Secondary Indicators (mini	imum of two required)
Primary Indicators (minimum of c	one is requi	red; check all	that apply)			Surface Soil Cracks (E	36)
X Surface Water (A1) Water-Stained Leaves (B9)						Drainage Patterns (B1	0)
X High Water Table (A2)		Aquatio	c Fauna (B13)			Moss Trim Lines (B16))
X Saturation (A3)		Marl D	eposits (B15)			Dry-Season Water Tal	ble (C2)
Water Marks (B1)		X Hydrog	gen Sulfide Odor (C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on	Living Ro	oots (C3)	X Saturation Visible on A	Aerial Imagery (C9)
Drift Deposits (B3)		Preser	ice of Reduced Iron	(C4)		Stunted or Stressed P	lants (D1)
Algal Mat or Crust (B4)		Recent	t Iron Reduction in T	illed Soils	s (C6)	Geomorphic Position ((D2)
Iron Deposits (B5)		Thin M	uck Surface (C7)			Shallow Aquitard (D3)	
Inundation Visible on Aerial I	Imagery (B7) Other (Explain in Remarks)		Microtopographic Relie	ef (D4)
Sparsely Vegetated Concave	e Surface (E	38)				X FAC-Neutral Test (D5))
Field Observations:							
Surface Water Present? Ye	s X	No	Depth (inches):	1			
Water Table Present? Ye	es X	No	Depth (inches):	0			
Saturation Present? Ye	s X	No	Depth (inches):	0	Wetlan	d Hydrology Present?	Yes X No
(includes capillary fringe)							
Describe Recorded Data (stream	n gauge, mo	nitoring well,	aerial photos, previo	ous inspe	ections), if a	available:	
Remarks:							

Sampling Point: <u>1W @ Wet C</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:4 (A)
3 4				Total Number of Dominant Species Across All Strata:4(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
	:	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species X 1 = 40
1. Salix spp.	25	Yes	FACW	FACW species 145 x 2 = 290
2				FAC species 0 x 3 = 0
3				FACU species 0 x 4 = 0
4				UPL species 0 x 5 = 0
5				Column Totals: 185 (A) 330 (B)
6				Prevalence Index = B/A = 1.78
7				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	60	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^1$
2. Typha angustifolia	40	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Symphyotrichum novae-angliae	40	Yes	FACW	data in Remarks or on a separate sheet)
4. Eupatorium perfoliatum	20	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree Woody plants 3 in (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	160	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3				Hydrophytic
4				Vegetation Present? Yes X No
T	:	=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL	
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Profile Desc	ription: (Describe	to the de	oth needed to doc	ument tl	he indica	ator or c	onfirm the absence of inc	licators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-1	10YR 3/2	100					Mucky Loam/Clay	
1-18	10YR 2/1	100					Mucky Loam/Clay	
							i	
¹ Type: C=Co	ncentration. D=Dep	letion. RM	=Reduced Matrix.	//S=Mas	ked Sand	d Grains.	² Location: PL=P	ore Lining, M=Matrix.
Hydric Soil I	ndicators:	,	,				Indicators for P	roblematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (I	LRR R.	2 cm Muck (A10) (LRR K. L. MLRA 149B)
Histic En	inedon (A2)		MI RA 1498	()	() (-	,	Coast Prairie	Bedox (A16) (I BB K I B)
Black His	stic $(\Delta 3)$		Thin Dark Surf	") "ace (99)		MIRA	149B) 5 cm Mucky	Peat or Peat (S3) (IRR K I R)
				ace (Se)				(33) (LKKK, L, K)
			High Chroma	Sands (S	(LR)	K K, L)		
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark St	urface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mangan	ese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	ix (F3)			Piedmont Flo	oodplain Soils (F19) (MLRA 149B)
Sandy M	ucky Mineral (S1)		Redox Dark S	urface (F	6)		Mesic Spodi	c (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent I	Material (F21)
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Very Shallov	/ Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Expla	in in Remarks)
Dark Sur	face (S7)		、 、 、 、	. ,			、	,
³ Indicators of	hydrophytic yogotat	ion and w	otland hydrology m	ust bo pr	iocont ur	aloce die	turbod or problematic	
Restrictive L	ayer (if observed):		eliand hydrology m	usi be pi	esent, ui	11633 013		
Туре:								
Depth (in	ches):						Hydric Soil Present?	Yes X No
Remarks:								
This data for	n is revised from No	orthcentral	and Northeast Reg	ional Su		t Version	2.0 to include the NRCS F	ield Indicators of Hydric Soils,
VCISION 7.0, 7		www.mcs.				0/11/0314	zpz_001200.000x)	

Project/Site: Baron Winds	Project	City/County: Steub	en County	Sampling Date: 10/03/2016
Applicant/Owner: Ever	power Wind Holdings, Inc.		State: NY	Sampling Point: 10 @ Wet C
Investigator(s): MK, RF		Section, T	ownship, Range: <u>Town of</u>	f Cohocton
Landform (hillside, terrace,	etc.): Flat/ Oldfield	Local relief (concave, conv	ex, none): <u>convex</u>	Slope %: 0
Subregion (LRR or MLRA):	LRR R, MLRA 140 Lat:	42.497780 Long	: -77.523570	Datum: WGS 84
Soil Map Unit Name: FL -	Fluvaquents and Orchrepts		NWI classification:	none
Are climatic / hydrologic cor	nditions on the site typical for t	this time of year? Yes X	No (If no,	explain in Remarks.)
Are Vegetation, Soil	I, or Hydrology	significantly disturbed? Are "No	mal Circumstances" pres	sent? Yes X No
Are Vegetation, Soil	I, or Hydrology	naturally problematic? (If need	ed, explain any answers ir	n Remarks.)
SUMMARY OF FINDI	NGS – Attach site map	showing sampling point loca	tions, transects, in	nportant features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	·

Wetland Hydrology Indicators:			Secondary Indicators (mir	nimum of two required)
Primary Indicators (minimum of one	Surface Soil Cracks (B6)		
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B	10)
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16	6)
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Ta	able (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Liv	ing Roots (C3)	Saturation Visible on	Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4	4)	Stunted or Stressed F	Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tille	d Soils (C6)	Geomorphic Position	(D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3))
Inundation Visible on Aerial Ima	agery (B7) Other (Explain in Remarks)		Microtopographic Reli	ief (D4)
Sparsely Vegetated Concave S	Surface (B8)		FAC-Neutral Test (D5	5)
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes	No X Depth (inches):			
Saturation Present? Yes	No X Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X
(includes capillary fringe)				
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos, previous	inspections), if	available:	
Remarks:				

Sampling Point: 1U @ Wet C

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =0
1				FACW species0 x 2 =0
2.				FAC species 0 x 3 = 0
3.				FACU species 145 x 4 = 580
4.				UPL species $0 x5 = 0$
5.				Column Totals: 145 (A) 580 (B)
6.				$\frac{1}{2}$
7				Hydrophytic Vegetation Indicators:
		-Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1 Trifolium protonoo	70	Voo	EACU	$\frac{2}{2} = \frac{2}{2} = \frac{1}{2} = \frac{1}{2}$
		Vee		$3 - \text{Frevalence index is } \leq 3.0$
	50	res	FACU	data in Remarks or on a separate sheet)
3. Taraxacum officinale	15	No	FACU	
4. <u>Galium sp.</u>	10	No	FACU	Problematic Hydrophytic Vegetation' (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All berbaceous (non-woody) plants, regardless
	145	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Weady vince All weady vince greater than 2.29 ft in
1.				height.
2.				
3.				Hydrophytic
4				Vegetation Present? Yes No X
		-Total Cover		
Pomorka: (Include photo numbero horo or on o cono	rate cheat)			
Remarks. (include photo numbers here of on a sepa	rate sheet.)			

SOIL	
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Profile Desc	cription: (Describe	to the dep	oth needed to doc	ument t	he indica	ator or co	onfirm the absence of	f indicators.)	
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-3	10YR 4/3	100					Loamy/Clayey		
3-16	10YR 4/3	80	10YR 4/6	5	С	М	Loamy/Clayey	Distinct redox concentrations	
			10yr 4/3	15	С	M		Faint redox concentrations	
		·							
-									
		·					,		
		·							
		·					·		
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	NS=Mas	ked Sand	d Grains.	² Location: P	L=Pore Lining, M=Matrix.	
Hydric Soil	Indicators:						Indicators for	or Problematic Hydric Soils ³ :	
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (I	LRR R,	2 cm Mu	ick (A10) (LRR K, L, MLRA 149B)	
Histic E	pipedon (A2)		MLRA 149B	5)			Coast Pr	rairie Redox (A16) (LRR K, L, R)	
Black Hi	istic (A3)		Thin Dark Surf	face (S9)) (LRR R	, MLRA 1	149B)5 cm Mu	icky Peat or Peat (S3) (LRR K, L, R)	
Hydroge	en Sulfide (A4)		High Chroma	Sands (S	511) (LRF	Κ, L)	Polyvalue Below Surface (S8) (LRR K, L)		
Stratified	d Layers (A5)	~ (^ 4 4)	Loamy Mucky	Mineral	(F1) (LRI	κκ, L)	Thin Dark Surface (S9) (LRR K, L)		
Depieted	a Below Dark Surface	e (A11)	Loamy Gleyed	i Matrix (FZ)		Iron-Manganese Masses (F12) (LRR K, L, R)		
Thick Da	Aik Sullace (A12)		Depleted Math	ix (F3) urfaca (E	6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
Sandy G	Sleved Matrix (S4)		Neulox Dark Si		0) (F7)		Red Parent Material (F21)		
Sandy F	Redox (S5)		Beday Depres	sions (F)	8)		Very Shallow Dark Surface (F22)		
Stripped	Matrix (S6)		Marl (F10) (LR	R K. L)	0)		Other (Explain in Remarks)		
Dark Su	rface (S7)		(1.1.0) (, _,			0	, , , , , , , , , , , , , , , , , , ,	
³ Indicators o	f hydrophytic vegetat	tion and w	etland hydrology m	ust be pi	resent, ur	nless dist	urbed or problematic.		
Restrictive	Layer (if observed):								
Туре:									
Depth (i	nches):						Hydric Soil Preser	nt? Yes No X	
Remarks:									
This data for	m is revised from No	orthcentral	and Northeast Reg	ional Su	pplemen	t Version	2.0 to include the NRC	CS Field Indicators of Hydric Soils,	
Version 7.0,	2015 Errata. (http://v	www.nrcs.u	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)		

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/05/2016
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet G
Investigator(s): VZ, RF	Section, Township, Range: Town of Cohocton
Landform (hillside, terrace, etc.): Depression Local	relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.472723	Long: -77.542685 Datum: WGS 84
Soil Map Unit Name: Pa - Palms muck	NWI classification: PSS
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 Hydrologysignificantly distur	rbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem:	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area

Hydrophytic Vegetation Present?	Yes_	<u>×</u>	INO	is the Sampled Area
Hydric Soil Present?	Yes	Х	No	within a Wetland? Yes X No
Wetland Hydrology Present?	Yes	Х	No	If yes, optional Wetland Site ID: Wetland G
Remarks: (Explain alternative procedures	s here or i	n a se	eparate report.)	

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

Sampling Point: <u>1W @ Wet G</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet
1. Acer saccharum	15	Yes	FACU	
2. Populus tremuloides	10	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
3.				
4.				I otal Number of Dominant Species Across All Strata: 4 (B)
5.				
6.				That Are OBL, FACW, or FAC: 50.0% (A/B)
7.				Prevalence Index worksheet:
	25	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Alnus incana	90	Yes	FACW	FACW species 108 x 2 = 216
2.				FAC species 0 x 3 = 0
3.				FACU species 25 x 4 = 100
4.				UPL species 0 x 5 = 0
5.				Column Totals: 133 (A) 316 (B)
6.				Prevalence Index = $B/A = 2.38$
7.				Hydrophytic Vegetation Indicators:
	90	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Alnus incana	15	Yes	FACW	X_3 - Prevalence Index is ≤3.0 ¹
2. Carex spp.	3	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wotland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sanling/shruh – Woody plants less than 3 in DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	18	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3 28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separation	rate sheet.)			

SOIL	
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Profile Desc	ription: (Describe	to the dep	oth needed to docu	ument t	he indica	ator or co	onfirm the absence o	of indicators.)	
Depth	Matrix	-	Redox	x Featur	res				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-6	10YR 2/2	100					Loamy/Clayey		
6-12	10YR 4/2	100					Loamy/Clayey		
12-14	10YR 2/2	95	7.5YR 4/6	5	С	PL/M	Loamy/Clayey	Prominent redox concentrations	
¹ Type: C=C	oncentration, D=Depl	etion. RM	=Reduced Matrix, M	/S=Mas	ked Sand	d Grains.	² l ocation: F	PI =Pore Lining, M=Matrix,	
Hydric Soil	Indicators:			10 11140			Indicators f	or Problematic Hydric Soils ³ :	
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm M	uck (A10) (LRR K, L, MLRA 149B)	
Histic Ep	oipedon (A2)		MLRA 149B)			Coast Prairie Redox (A16) (LRR K, L, R)		
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9)) (LRR R	, MLRA 1	49B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)		
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRI	R K, L)	Polyvalue Below Surface (S8) (LRR K, L)		
Stratified	l Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)	
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Ma	nganese Masses (F12) (LRR K, L, R)	
Thick Da	ark Surface (A12)		X Depleted Matri	x (F3)			Piedmo	nt Floodplain Soils (F19) (MLRA 149B)	
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149B)	
Sandy G	ileyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pa	rent Material (F21)	
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Sh	allow Dark Surface (F22)	
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	Explain in Remarks)	
Dark Su	rface (S7)								
³ Indicators of	f hydrophytic vegetat	ion and w	etland hydrology mu	ust be pi	resent, ur	nless dist	urbed or problematic.		
Restrictive	Layer (if observed):								
Type.							Ubudria Cail Draaa		
Depth (ir	iches).						Hydric Soli Prese		
Remarks:	m is revised from No	rthoontrol	and Northaast Desi	ional Cu	nnlaman	t Varaian	2.0 to include the ND	CC Field Indiantors of Lludric Coils	
Version 7.0.	2015 Errata. (http://w	ww.nrcs.u	usda.gov/Internet/FS	SE DOC	CUMENT	S/nrcs14	2p2 051293.docx)	CS Field Indicators of Hydric Solis,	
,			<u>j</u>	_			1,		

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/05/2016
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet G
Investigator(s): RF, VZ	Section, Township, Range: Town of Cohocton
Landform (hillside, terrace, etc.): Flat Loca	al relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.472790	Long: <u>-77.542726</u> Datum: <u>WGS 84</u>
Soil Map Unit Name: BaB - Bath channery sitl loam, 3-12% slopes	NWI classification: none
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 Hydrologysignificantly distr	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

Wetland Hydrology Indicators:			Secondary Indicators (min	imum of two required)	
Primary Indicators (minimum of one is requ	ired; check all that apply)		Surface Soil Cracks (B	36)	
Surface Water (A1)	Water-Stained Leaves (B9)	es (B9) Drainage Patterns (B10)			
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16	5)	
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Ta	ble (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8))	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on A	Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed P	Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (E	7) Other (Explain in Remarks)		Microtopographic Reli	ef (D4)	
Sparsely Vegetated Concave Surface	(B8)		FAC-Neutral Test (D5)	
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetlan	/etland Hydrology Present? Yes No X		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspec	ctions), if a	available:		
Remarks:					

Sampling Point: 1U @ Wet G

Trop Stratum (Plot size: 20)	Absolute	Dominant	Indicator	Dominanco Tost workshoot:
1 Populus tromuloidos	<u>% Cover</u>	Species?		Dominance Test worksneet:
	10	165	FACU	Number of Dominant Species
2				
5				Total Number of Dominant
4				
5				Percent of Dominant Species
o		·		Provelence Index workshoet:
/	10			Total % Cover of:
Sapling/Shrub Stratum (Plot size: 15)	10			
1 Physityphina	20	Ves	IIDI	EACW species $0 \times 2 = 0$
1. <u>Kitus typinina</u>	20	165	UFL	$\frac{1}{12} = \frac{1}{12}$
2				$FACL appendix = \frac{80}{15} \times 4 = -\frac{320}{15}$
S		. <u> </u>		$\frac{1}{100} = \frac{1}{100} = \frac{1}$
4.				$\begin{array}{c} \text{OPL species} \\ \text{OPL species} \\$
5		. <u> </u>		Column Lotals: 125 (A) 515 (B)
6				Prevalence Index = B/A = 4.12
7				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Phleum pratense	30	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Solidago canadensis	15	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Aster sp.	15	Yes	FAC	data in Remarks or on a separate sheet)
4. Rubus sp.	15	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Daucus carota	10	No	UPL	The directions of building of the duration of building to the second
6. Plantago major	5	No	FACU	be present, unless disturbed or problematic.
7. Plantago lanceolata	5	No	FACU	Definitions of Vegetation Strata:
8				
o		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
10				diameter at breast height (DDH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than of equal to 3.28 it (1 m) tail.
12				Herb – All herbaceous (non-woody) plants, regardless
	95	= I otal Cover		of size, and woody plants less than 3.28 ft fall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hudronbutio
3				Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Depth Matrix Redox Features (inches) Color (moils) % Color (moils) % Type Loarny/Clayey (b6 10YR 3/4 100	Profile Des	cription: (Describe	to the de	oth needed to doc	ument t	he indica	ator or co	onfirm the absence o	of indicators.)
(inches) Color (moist) % Calor (moist) % Type' Loc ² Texture Remarks 0.6 10YR 3/4 100	Depth	Matrix		Redo	x Featu	res			
0-6 10YR 3/4 100 Loamy/Clayey	(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
Image: Indicators Image: I	0-6	10YR 3/4	100					Loamv/Clavev	
"Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix, Indicators for Polematic Hydric Solls? Hydric Soll Indicators: Indicators: Indicators for Polematic Hydric Solls? Histos (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) S cm Mucky Peat or Peat (S3) (LRR K, L, R) Phydrogen Suffed (A4) High Chroma Sands (S1) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Depleted Bow Dark Surface (A11) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Dark Surface (A12) Depleted Dark Surface (F7) Reed Parent Material (F12) (LR K, L) Stripped Matrix (S6) Redox Depressions (F8) Were Space (T2) (LRR K, L) Stripped Matrix (S6) Matri (F10) (LRR K, L) Other (Explain in Remarks) "Andicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Remarks: "Type: Rody substrate More Space (S1) CRR K, L) Depleted matrix S(A) Depleted Dark Surface (F7) Reed Parent Material (F21) Second Matrix (F2) Stripped Matrix (S6) Redox Depressions (F8) User Space (F22) Dark Surfac									
Image:									
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	Deplete	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Ma	nganese Masses (F12) (LRR K, L, R)
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Stripped Matrix (S6)Marl (F10) (LRR K, L)Other (Explain in Remarks) 	Sandy F	Redox (S5)		Redox Depres	sions (F	8)		Very Sh	nallow Dark Surface (F22)
Dark Surface (S7) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: <u>Rocky substrate</u> Depth (inches): <u>6</u> Hydric Soil Present? Yes <u>No X</u> Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	Stripped	d Matrix (S6)		Marl (F10) (LF	RR K, L)			Other (I	Explain in Remarks)
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Rocky substrate Depth (inches): 6 Hydric Soil Present? Yes Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	Dark Su	ırface (S7)							
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Rocky substrate Depth (inches): 6 Hydric Soil Present? Yes Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	_								
Restrictive Layer (if observed): Type: Rocky substrate Depth (inches): 6 Hydric Soil Present? Yes No Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	³ Indicators o	of hydrophytic vegetat	tion and w	etland hydrology m	ust be p	resent, ur	nless dist	urbed or problematic.	
Type: Rocky substrate Depth (inches): 6 Hydric Soil Present? Yes Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	Restrictive	Layer (if observed):	:						
Depth (inches): 6 Hydric Soil Present? Yes No X Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx) Version 7.0, 2015 Errata.	Type:	Rocky su	ubstrate						
Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	Depth (i	nches):	6					Hydric Soil Prese	ent? Yes No X
This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	Remarks:								
Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	This data for	rm is revised from No	orthcentral	and Northeast Reg	jional Su	Ipplemen	t Version	2.0 to include the NR	CS Field Indicators of Hydric Soils,
	Version 7.0,	2015 Errata. (http://v	www.nrcs.u	usda.gov/Internet/F	SE_DO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/05/2016						
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet H						
Investigator(s): RF, VZ	Section, Township, Range: Town of Wayland						
Landform (hillside, terrace, etc.): Depression/ swale	Local relief (concave, convex, none): concave Slope %: 3-5						
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 4	Long: -77.542497 Datum: WGS 84						
Soil Map Unit Name: MdC - Mardin channery silt loam, 8-	15% NWI classification: PEM						
Are climatic / hydrologic conditions on the site typical for th	is time of year? Yes X No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrologys	significantly disturbed? Are "Normal Circumstances" present? Yes X No						
Are Vegetation, Soil, or Hydrologyn	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 X	No Is the Sampled Area						
Hydric Soil Present? Yes X	No within a Wetland? Yes X No						
Wetland Hydrology Present? Yes X	No If yes, optional Wetland Site ID: Wetland H						
Remarks: (Explain alternative procedures here or in a sep	parate report.)						
Depressional drainage that flows west.							

	Secondary Indicators (minimum of two required)								
Primary Indicators (minimum of one is required; check all that apply)									
Surface Water (A1) Water-Stained Leaves (B9)									
Aquatic Fauna (B13)	Moss Trim Lines (B16)								
Marl Deposits (B15)	X Dry-Season Water Table (C2)								
Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)								
X Oxidized Rhizospheres on Living Ro	Roots (C3) Saturation Visible on Aerial Imagery (C9)								
X Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)								
Recent Iron Reduction in Tilled Soils	ils (C6) Geomorphic Position (D2)								
Thin Muck Surface (C7)	Shallow Aquitard (D3)								
) Other (Explain in Remarks)	Microtopographic Relief (D4)								
8)	X FAC-Neutral Test (D5)								
No X Depth (inches):									
No X Depth (inches):									
No X Depth (inches):	Wetland Hydrology Present? Yes X No								
nitoring well, aerial photos, previous inspec	ections), if available:								
	ed; check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) Marl Deposits (B15) Hydrogen Sulfide Odor (C1) X Yresence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks) 8) No X No X Depth (inches): No X Depth (inches): No X Depth (inches): No X Depth (inches): No X Depth (inches):								

Sampling Point: <u>1W @ Wet H</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
	:	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species <u>5</u> x 1 = <u>5</u>
1				FACW species 70 x 2 = 140
2				FAC species 60 x 3 = 180
3				FACU species 0 x 4 = 0
4				UPL species 0 x 5 = 0
5				Column Totals: 135 (A) 325 (B)
6				Prevalence Index = B/A =2.41
7				Hydrophytic Vegetation Indicators:
	:	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Ranunculus repens	60	Yes	FAC	X_3 - Prevalence Index is ≤3.0 ¹
2. Impatiens capensis	40	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Epilobium hirsutum	25	No	FACW	data in Remarks or on a separate sheet)
4. Onoclea sensibilis	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. <i>Polygonum sagittatum</i> 6.	5	No	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	135	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL	
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Profile Des	cription: (Describe	to the de	oth needed to doc	ument tl	he indica	ator or co	onfirm the absence o	f indicators.)	
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-1	10YR 2/2	100					Loamy/Clayey		
1-10	10YR 4/2	80	7.5YR 4/6	20	С	PL/M	Loamy/Clayey	Prominent redox concentrations	
	·						·		
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	MS=Masl	ked Sand	d Grains.	² Location: P		
Hydric Soil Histosol Histic E Black H Hydroge Stratifie Deplete Thick D Sandy N Sandy C Sandy F Stripped Dark Su	Indicators: (A1) pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) Aucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Inface (S7)	∋ (A11)	Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed X Depleted Matr Redox Dark S Depleted Dark Redox Depres Marl (F10) (LR	bw Surfa face (S9) Sands (S Mineral Matrix (ix (F3) urface (F Surface sions (F8 R K, L)	ce (S8) () (LRR R (F1) (LRI (F1) (LRI F2) (F7) (F7) 8)	LRR R, , MLRA 1 R K, L) R K, L)	s. ***Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 1498		
Restrictive Type: Depth (i Remarks:	nches):				esent, ur		Hydric Soil Preser	nt? Yes <u>X</u> No	
This data for Version 7.0,	rm is revised from Nc 2015 Errata. (http://v	vrthcentral	and Northeast Reg usda.gov/Internet/F	jional Su SE_DOC	pplemen CUMENT	t Version S/nrcs14	2.0 to include the NR(2p2_051293.docx)	CS Field Indicators of Hydric Soils,	

Project/Site: Baron \	Ninds Projec	ct		City/County: Steuber	County	:	Sampling Date:	0/05/2016
Applicant/Owner:	Everpower	Wind Holdings, Inc			State:	NY	Sampling Point:	1U @ Wet H
Investigator(s): RF, VZ Section, Township, Range: Town of Cohocton								
Landform (hillside, terrace, etc.): Slight hillslope Local relief (concave, convex, none): convex Slope %								%: <u>2-5</u>
Subregion (LRR or ML	_RA): <u>LRR</u>	R, MLRA 140 L	at: 42.465941	Long:	-77.542460		Datum:	NGS 84
Soil Map Unit Name:	MdC - Marc	lin channery silt loa	m, 8-15% slope		NWI classif	ication:	none	
Are climatic / hydrolog	jic conditions	s on the site typical	for this time of year?	Yes X	No	(If no, e	xplain in Remarks	.)
Are Vegetation	, Soil	, or Hydrology	significantly distur	bed? Are "Norm	al Circumstance	es" prese	nt? Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally problema	tic? (If needed	, explain any ans	swers in	Remarks.)	
SUMMARY OF F	INDINGS	– Attach site m	ap showing sam	pling point locati	ons, transec	cts, imp	portant featur	es, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu Fallow agriculture field.	ıres here or in a	separate report.)	

Wetland Hydrology Indica	tors:	Secondary Indicators (min	nimum of two required)						
Primary Indicators (minimu	n of one is requir	ed; check all	that apply)		Surface Soil Cracks (I	Surface Soil Cracks (B6)			
Surface Water (A1)		Drainage Patterns (B	10)						
High Water Table (A2)		Aquati	c Fauna (B13)		Moss Trim Lines (B16	6)			
Saturation (A3)		Marl D	eposits (B15)		Dry-Season Water Ta	able (C2)			
Water Marks (B1)		Hydrog	gen Sulfide Odor (C1)		Crayfish Burrows (C8))			
Sediment Deposits (B2)	Oxidize	ed Rhizospheres on Living I	Roots (C3)	Saturation Visible on	Aerial Imagery (C9)			
Drift Deposits (B3)		Preser	nce of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)			
Algal Mat or Crust (B4)		Recen	t Iron Reduction in Tilled So	oils (C6)	Geomorphic Position	(D2)			
Iron Deposits (B5)		Thin M	luck Surface (C7)		Shallow Aquitard (D3))			
Inundation Visible on A	erial Imagery (B7) Other ((Explain in Remarks)		Microtopographic Reli	ief (D4)			
Sparsely Vegetated Co	ncave Surface (E	8)			FAC-Neutral Test (D5	5)			
Field Observations:									
Surface Water Present?	Yes	No X	Depth (inches):						
Water Table Present?	Yes	No X	Depth (inches):						
Saturation Present?	Yes	No X	Depth (inches):	Wetla	nd Hydrology Present?	Yes No X			
(includes capillary fringe)			· · · /	-					
Describe Recorded Data (s	tream gauge, mo	nitoring well,	aerial photos, previous insp	pections), if	available:				
Remarks:									

Sampling Point: 1U @ Wet H

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =0
1				FACW species 10 x 2 = 20
2				FAC species 15 x 3 = 45
3				FACU species 120 x 4 = 480
4.				UPL species 0 x 5 = 0
5.				Column Totals: 145 (A) 545 (B)
6.				Prevalence Index = $B/A = 3.76$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Phleum pratense	80	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Solidago canadensis	30	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Cirsium vulgare	10	No	FACU	data in Remarks or on a separate sheet)
4 Ranunculus repens	10	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5 Onoclea sensibilis	10	No	FACW	
6 Rumex crispus	5	No	FAC	Indicators of hydric soil and wetland hydrology must
7				Definitions of Vegetation Strata
8				Definitions of Vegetation offata.
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	145	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in
2				grit
3				Hydrophytic
0. 				Vegetation Present? Ves No X
4		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	epth needed to docu	ument tl	he indica	ator or co	onfirm the absence o	of indicators.)
Depth (inchos)	Matrix Color (moist)	0/.	Color (moist)	x Featur	Typo ¹	1 oc^2	Toxturo	Pomorko
(inches)		70		70	туре	LUC	Texture	Rellidiks
0-8	10YR 3/3	95	2.5Y 5/6	5	C	M	Loamy/Clayey	Prominent redox concentrations
		·						
	ncontration D-Dop	otion Pl	M-Roducod Matrix		kod Sand	d Graine	² Location:	
	ndicators:			10=11185	Keu Sano	d Grains.	Indicators f	or Problematic Hydric Soils ³
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (2 cm Mi	uck (A10) (I RR K I MI RA 149B)
Histic En	ipedon (A2)		NI RA 1498)		LINIX IX,	Coast P	$\frac{1}{2}$
Black His	stic (A3)		Thin Dark Surf	, ace (S9)		. MLRA 1	(49B) 5 cm Mi	ucky Peat or Peat (S3) (LRR K. L. F
Hvdroger	n Sulfide (A4)		High Chroma S	Sands (S	511) (LR	,	Polvvalu	Je Below Surface (S8) (LRR K. L)
Stratified	Lavers (A5)		Loamv Muckv	Mineral	(F1) (LR	R K. L)	Thin Da	rk Surface (S9) (LRR K. L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleved	Matrix (F2)	, ,	Iron-Mai	nganese Masses (F12) (LRR K, L, I
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)	,		Piedmor	nt Floodplain Soils (F19) (MLRA 14
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Par	rent Material (F21)
Sandy R	edox (S5)		Redox Depress	sions (Fa	8)		Very Sh	allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	Explain in Remarks)
Dark Sur	face (S7)							
³ Indicators of	hydrophytic vegetat	ion and v	wetland hydrology mu	ust be pr	resent, ur	nless dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Туре:								
Depth (in	ches):						Hydric Soil Prese	nt? Yes <u>No X</u>
Remarks:								
This data for	n is revised from No	rthcentra	al and Northeast Regi	ional Su	pplemen	t Version	2.0 to include the NR	CS Field Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://w	/ww.nrcs	usda.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)	
1								
I								

Project/Site: Baron	Winds Project	ct	unty: Steuben Cou	Sampling Date:	10/05/2016						
Applicant/Owner:	Everpower	Wind Holdings, Ind	.			State:	NY	Sampling Poin	t: 1W @ Wet I		
Investigator(s): RF,	VZ				Section, Townshi	p, Range: T	own of	Cohocton			
Landform (hillside, te	errace, etc.):	hillslope	L	ocal relief (co	ncave, convex, no	ne): <u>none</u>		Slop	e %: <u>5-8</u>		
Subregion (LRR or M	ILRA): LRR	R, MLRA 140	Lat: 42.464466		Long: -77.	543873		Datum:	WGS 84		
Soil Map Unit Name:	il Map Unit Name: LoC - Lordstown channery silt loam, 12-20% slopes						NWI classification: PFO				
Are climatic / hydrold	gic conditions	s on the site typical	I for this time of ye	ear?	Yes X	No	(If no, e	explain in Remark	:s.)		
Are Vegetation	, Soil	, or Hydrology	significantly o	disturbed?	Are "Normal Ci	rcumstance	s" prese	ent? Yes <u>X</u>	No		
Are Vegetation	, Soil	, or Hydrology	naturally prol	blematic?	(If needed, exp	lain any ans	swers in	Remarks.)			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.											
Hydrophytic Vegeta	tion Present?	Yes	X No	Is the	e Sampled Area						
Hydric Soil Present	?	Yes	X No	withi	n a Wetland?	Yes	Х	No			
Wetland Hydrology	Present?	Yes	X No	If yes	, optional Wetland	Site ID: V	Vetland	I			
Domorkov (Evaloin	altornativa pr	anduran hara ar ir	a concrete repor	+)							

Remarks: (Explain alternative procedures here or in a separate report.) Hillside seep that drains west/northwest.

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)		
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	X Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	X Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes	No X Depth (inches):		
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No
(includes capillary fringe)			
(includes capillary fringe) Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	vailable:
(includes capillary fringe) Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	vailable:
(includes capillary fringe) Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe	ctions), if a	wailable:
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspe	ctions), if a	wailable:
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspe	ctions), if a	wailable:
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspe	ctions), if a	wailable:
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspe	ctions), if a	wailable:
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspe	ctions), if a	wailable:
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspe	ctions), if a	ıvailable:
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspe	ctions), if a	wailable:
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspe	ctions), if a	vailable:
(includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	nitoring well, aerial photos, previous inspe	ctions), if a	wailable:

Sampling Point: 1W @ Wet I

	Absolute	Dominant	Indicator	
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test worksheet:
1. Fraxinus pennsylvanica		Yes	FACW	Number of Dominant Species
2. Betula alleghaniensis	5	Yes	FAC	That Are OBL, FACVV, or FAC:4 (A)
3 4		·		Total Number of Dominant Species Across All Strata: <u>4</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
	15	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
1				FACW species <u>125</u> x 2 = <u>250</u>
2				FAC species X 3 =90
3				FACU species x 4 =
4				UPL species 0 x 5 = 0
5		·		Column Totals: 155 (A) 340 (B)
6				Prevalence Index = B/A =2.19
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Impatiens capensis	80	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Onoclea sensibilis	30	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Symphyotrichum spp.	10	No	FAC	data in Remarks or on a separate sheet)
4. Ranunculus repens	10	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Rumex crispus	5	No	FAC	¹ Indicators of hydric soil and wetland hydrology must
6. Symphyotrichum novae-angliae	5	No	FACW	be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sanling/shrub – Woody plants less than 3 in DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	-			Herb – All herbaceous (non-woody) plants regardless
	140	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3 28 ft in
1				height.
2.				
3.				Hydrophytic
4.		·		Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)	<u>.</u>		

Profile Des	cription: (Describe	to the de	pth needed to doc	ument t	he indica	ator or co	onfirm the absence o	f indicators.)		
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-1	10YR 2/2	100					Loamy/Clayey			
1-8	10YR 3/1	70	7.5YR 5/8	30	С	PL/M	Loamy/Clayey	Prominent redox concentrations		
		·								
	·	·								
		·								
		·								
	·	·								
	<u></u>									
¹ Type: C=C	oncentration, D=Dep	letion, RN	/I=Reduced Matrix, N	NS=Mas	ked Sand	d Grains.	² Location: F	PL=Pore Lining, M=Matrix.		
Hydric Soil	Indicators:						Indicators f	or Problematic Hydric Soils ³ :		
Histoso	I (A1)		Polyvalue Belo	ow Surfa	ce (S8) (LRR R,	2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)		
Histic E	pipedon (A2)		MLRA 149B	8)			Coast P	rairie Redox (A16) (LRR K, L, R)		
Black H	istic (A3)		Thin Dark Surf	face (S9)) (LRR R	, MLRA 1	149B)5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)		
Hydroge	en Sulfide (A4)		High Chroma	Sands (S	511) (LRI	R K, L)	Polyvalu	le Below Surface (S8) (LRR K, L)		
Stratifie	d Layers (A5)	- () 4 4)	Loamy Mucky	Mineral	(F1) (LR ∣ (F0)	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)		
Depiete	d Below Dark Surface	e (A11)	Loamy Gleyed	i Matrix (F2)			nganese Masses (F12) (LRR K, L, R)		
	ark Surface (A12)		Depleted Matri	IX (F3)			Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
Sandy r	NUCKY MINERAL (ST)				·()		Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (E21)			
Sandy C	Dedex (SE)		Depieted Dark		e (F7) o)		Red Parent Material (F21)			
Sanuy r	A Motrix (SG)		Marl (E10) (LB		0)		Very Snallow Dark Surrace (F22)			
Oark Si	urface (S7)			. n n, ∟)						
³ Indicators of	of hydrophytic vegeta	tion and v	vetland hydrology m	ust be pi	resent, ur	nless dist	urbed or problematic.			
Restrictive	Layer (if observed):		, ,,				·			
Type:	Ro	ck								
Depth (i	inches):	8					Hydric Soil Prese	nt? Yes <u>X</u> No		
Remarks:										
This data fo	rm is revised from No	orthcentra	I and Northeast Reg	ional Su	pplemen	t Version	2.0 to include the NR	CS Field Indicators of Hydric Soils,		
version 7.0,	2015 Enala. (http://	www.mcs.	.usua.gov/internet/F	SE_DOU		5/nrcs14	2p2_051293.000x)			

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10//2016
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet I
Investigator(s): RF, VZ	Section, Township, Range: Town of Cohocton
Landform (hillside, terrace, etc.): hillslope Local	I relief (concave, convex, none): none Slope %: 8-10
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.464368	Long: -77.543632 Datum: WGS 84
Soil Map Unit Name: BaB - Bath channery silt loam, 3-12% slopes	NWI classification: none
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 Hydrologysignificantly distu	rbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing san	npling 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative proced Wooded hillslope to the east of Wetlan	ures here or in a nd I.	separate report.)	

Wetland Hydrology Indicato	ors:	Secondary Indicators (min	nimum of two required)			
Primary Indicators (minimum	of one is require	Surface Soil Cracks (I	Surface Soil Cracks (B6)			
Surface Water (A1)		Drainage Patterns (B	10)			
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16	5)
Saturation (A3)		Marl D	eposits (B15)		Dry-Season Water Ta	ble (C2)
Water Marks (B1)		Hydrog	gen Sulfide Odor (C1)		Crayfish Burrows (C8))
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on Living F	Roots (C3)	Saturation Visible on	Aerial Imagery (C9)
Drift Deposits (B3)		Presen	nce of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)
Algal Mat or Crust (B4)		Recent	t Iron Reduction in Tilled So	ils (C6)	Geomorphic Position	(D2)
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3)	1
Inundation Visible on Aer	ial Imagery (B7)) Other (Explain in Remarks)		Microtopographic Reli	ef (D4)
Sparsely Vegetated Conc	ave Surface (B	8)			FAC-Neutral Test (D5)
Field Observations:	-					
Surface Water Present?	Yes	No X	Depth (inches):			
Water Table Present?	Yes	No X	Depth (inches):			
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X
(includes capillary fringe)			,			
Describe Recorded Data (stre	am gauge, mor	nitoring well,	aerial photos, previous insp	ections), if	available:	
		-				
Remarks:						

Sampling Point: 1U @ Wet I

Trac Stratum (Plat aiza: 20)	Absolute	Dominant	Indicator	Dominance Test workshoot							
<u>Tree Stratum</u> (Plot size. <u>30</u>)	% Cover	Species?	EACU	Dominance Test worksheet:							
	20	Vee		Number of Dominant Species							
				That are OBL, FACW, of FAC. 2 (A)							
 4. 	5		FACW	Total Number of Dominant Species Across All Strata:4 (B)							
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)							
7.				Prevalence Index worksheet:							
	95	=Total Cover		Total % Cover of: Multiply by:							
Sapling/Shrub Stratum (Plot size:15)				OBL species 0 x 1 = 0							
1. Acer saccharum	10	Yes	FACU	FACW species 5 x 2 = 10							
2. Betula alleghaniensis	10	Yes	FAC	FAC species 40 x 3 = 120							
3				FACU species 70 x 4 = 280							
4.				UPL species 0 x 5 = 0							
5.				Column Totals: 115 (A) 410 (B)							
6.				Prevalence Index = B/A = 3.57							
7.				Hydrophytic Vegetation Indicators:							
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation							
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%							
1.				3 - Prevalence Index is ≤3.0 ¹							
2.				4 - Morphological Adaptations ¹ (Provide supporting							
3.				data in Remarks or on a separate sheet)							
4.				Problematic Hydrophytic Vegetation ¹ (Explain)							
5.				¹ Indiastors of hydric coil and watland hydrology must							
6.				be present, unless disturbed or problematic.							
7.				Definitions of Vegetation Strata:							
8.				Tree – Woody plants 3 in (7.6 cm) or more in							
9.				diameter at breast height (DBH), regardless of height.							
10				Sapling/shrub – Woody plants less than 3 in. DBH							
11				and greater than or equal to 3.28 ft (1 m) tall.							
12		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.							
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.							
2.											
3.				Hydrophytic Vegetation							
4.				Present? Yes No X							
		=Total Cover									
Remarks: (Include photo numbers here or on a sepa	arate sheet.)										
Profile Desc	cription: (Describe t	the dept	h needed to docu	ument ti	ne muica	itor or co	onfirm the absence	of indicator	'S.)		
---------------	--------------------------------	--------------	--------------------	------------	-------------------	------------------	-------------------------------	---------------	-------------------------	--------------	------
Depth	Matrix		Redo	x Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remar	ks	
0-6	10YR 4/4	100					Loamy/Clavey				
	1011(4)4	100					Loamy/olayoy				
1						<u> </u>	2				
'Type: C=C	oncentration, D=Depl	etion, RM=	Reduced Matrix, M	/IS=Mas	ked Sand	Grains.	² Location:	PL=Pore Lir	ning, M=Ma	trix.	
Hydric Soil	Indicators:			- <i>(</i>	(0.0) (1		Indicators	for Problen	natic Hydri	c Soils":	
Histosol	(A1)	_	Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm M	luck (A10) (I		/LRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B)				rairie Redo	x (A16) (LF	(R K, L, R)	-
Black Hi	istic (A3)	_	Thin Dark Surf	ace (S9)) (LRR R	, MLRA 1	49B)5 cm M	lucky Peat c	or Peat (S3)	(LRR K, L,	R)
Hydroge	en Sulfide (A4)	_	High Chroma	Sands (S	511) (LRI	(K, L)		ue Below Si	urface (S8)	(LRR K, L)	
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	Κ Κ, L)		ark Surface	(S9) (LRR	K, L)	-
	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)			anganese M	asses (F12) (LRR K, L	, R)
	ark Surface (A12)	_	Depleted Matri	x (F3)				ont Floodpla		9) (MLRA 1	49B)
Sandy N	Aucky Mineral (S1)	-	Redox Dark St	urface (F	·6)			Spoale (TA6) (IVILKA 14	I4A, 145, 14	9B)
Sandy G	Bieyed Matrix (54)	_	Depleted Dark	Surface	e (F7)			irent Materia	al (F21) Ourfaur (F/		
Sandy R	(S5)	_	Redox Depress		8)		Very Sr	hallow Dark	Surface (F.	22)	
Stripped	1 Matrix (S6)	_	Mari (F10) (LR	R K, L)			Other (Explain in R	emarks)		
Dark Su	ifface (S7)										
3	f hander a hard's see so to t'		1				where the second data and the				
Indicators o	t nydropnytic vegetat	on and we	land hydrology mu	ust be pr	resent, ur	ness dist	urbed or problematic.				
Restrictive	Layer (if observed):										
Type.											
Depth (ii	nches):		<u> </u>				Hydric Soil Prese	ent?	Yes	<u>No X</u>	
Remarks:											
This data for	rm is revised from No	rthcentral a	nd Northeast Reg	ional Su	pplemen	Version	2.0 to include the NR	CS Field In	dicators of	Hydric Soils	,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.us	da.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs142	2p2_051293.docx)				

Project/Site: Baro	n Winds Proje	ct		City/County: Steuben Cour	nty	Sampling Date: 10/05/2016
Applicant/Owner:	Everpower	Wind Holdings, Inc.			State: NY	Sampling Point: 1W @ Wet J
Investigator(s): RF	, VZ			Section, Township	, Range: <u>Town of</u>	Wayland
Landform (hillside, t	terrace, etc.):	Hillslope	Local	relief (concave, convex, none	e): <u>none</u>	Slope %: <u>5-7</u>
Subregion (LRR or	MLRA): LRR	R, MLRA 140 La	at: 42.463478	Long: -77.54	45093	Datum: WGS 84
Soil Map Unit Name	e: LoC - Lords	stown channery silt lo	oam, 12 to 20% slope	N	WI classification:	PFO
Are climatic / hydro	logic conditions	s on the site typical f	or this time of year?	Yes <u>X</u>	No (If no, e	explain in Remarks.)
Are Vegetation	, Soil	, or Hydrology	significantly disturb	Ded? Are "Normal Circ	cumstances" prese	ent? Yes X No
Are Vegetation	, Soil	, or Hydrology	naturally problema	tic? (If needed, expla	ain any answers in	Remarks.)
SUMMARY OF	FINDINGS	 Attach site ma 	ap showing sam	pling point locations,	transects, im	portant features, etc.
Hydrophytic Veget	ation Present?	Yes >	K No	Is the Sampled Area		
Hydric Soil Presen	nt?	Yes >	K No	within a Wetland?	Yes X	No
Wetland Hydrolog	y Present?	Yes >	KNo	If yes, optional Wetland S	Site ID: Wetland	J
Romarka: (Evalair	a alternative pr	anduran hara ar in i	a concrete report)	· · · · · · · · · · · · · · · · · · ·		

Remarks: (Explain alternative procedures here or in a separate report.) Hillside seep that drains to the northwest.

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

Sampling Point: 1W @ Wet J

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant	Indicator	Dominance Test worksheet:
1 Fravinus pennsylvanica	15	Ves	EACW/	Dominance rest worksheet.
2. Acer saccharum	15	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant Species Across All Strata:3(B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)
7				Prevalence Index worksheet:
	30	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 15 x 1 = 15
1				FACW species 115 x 2 = 230
2				FAC species x 3 =
3				FACU species 15 x 4 =60
4				UPL species x 5 =0
5.				Column Totals: 145 (A) 305 (B)
6.				Prevalence Index = $B/A = 2.10$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Impatiens capensis	60	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Onoclea sensibilis	20	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Polygonum sagittatum	15	No	OBL	data in Remarks or on a separate sheet)
4. Symphyotrichum novae-angliae	15	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Equisetum palustre	5	No	FACW	1
6.				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				
	115	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				Live and stin
3				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separation	rate sheet.)			

Profile Desc	cription: (Describe	to the de	epth needed to docu	ument t	he indica	ator or c	onfirm the absence	of indicate	ors.)	
Depth	Matrix		Redo	x Featu		. 2				
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc-	l exture		Remarks	8
0-12	10YR 2/1	100					Mucky Loam/Clay			
					· <u> </u>					
					·					
					·					
					· <u> </u>					
·					·					
<u> </u>										
					·					
					·					
¹ Type: C=Co	oncentration, D=Depl	etion, RM	M=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location:	PL=Pore L	_ining, M=Matri	x.
Hydric Soil	Indicators:						Indicators	for Proble	ematic Hydric	Soils ³ :
X Histosol	(A1)		Polyvalue Belo	w Surfa	ice (S8) (LRR R,	2 cm N	/luck (A10)	(LRR K, L, MI	LRA 149B)
Histic Ep	oipedon (A2)		MLRA 149B)			Coast	Prairie Rec	dox (A16) (LRF	R K, L, R)
Black Hi	stic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA	149B) 5 cm N	lucky Peat	t or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	S11) (LRI	R K, L)	Polyva	lue Below	Surface (S8) (I	LRR K, L)
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin D	ark Surfac	e (S9) (LRR K ,	, L)
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-M	anganese	Masses (F12)	(LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmo	ont Floodp	lain Soils (F19)) (MLRA 149B
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic	Spodic (TA	A6) (MLRA 144	A, 145, 149B)
Sandy G	leved Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pa	arent Mate	rial (F21)	, -, -,
Sandy R	edox (S5)		Redox Depres	sions (F	(8)		Verv S	hallow Dar	k Surface (F22	2)
Stripped	Matrix (S6)		Marl (F10) (LR	R K . L)	-)		Other (Explain in	Remarks)	-,
Dark Su	rface (S7)			, _/					rtomanto)	
³ Indicators of	f bydropbytic vegetat	ion and v	vetland hydrology m	ist ha n	recent ur	aloee die	turbed or problematic			
Restrictive	aver (if observed).		votario riyorology mi	ior ne h	i cocni, ul	1000 015		•		
Typo	Layer (il Observeu).									
Type.										
Depth (ir	nches):						Hydric Soil Pres	ent?	Yes X	No
Remarks:										
This data for	m is revised from No	rthcentra	I and Northeast Reg	ional Su	Ipplemen	t Versior	2.0 to include the NF	RCS Field	Indicators of H	ydric Soils,
Version 7.0,	2015 Errata. (http://w	/ww.nrcs	.usda.gov/Internet/F	SE_DO	CUMENT	S/nrcs14	2p2_051293.docx)			

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/05/2016
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet J
Investigator(s): RF, VZ	Section, Township, Range: Town of Wayland
Landform (hillside, terrace, etc.): Hillslope Loca	al relief (concave, convex, none): <u>convex</u> Slope %: <u>5-8</u>
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.463324	Long:77.544951 Datum: WGS 84
Soil Map Unit Name: LoC - Lordstown channery silt loam, 12-20% sloper	sNWI 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 Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ures here or in a	separate report.)	

		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requ	ired; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roo	ts (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspect	ions), if available:
Remarks:		

Sampling Point: 1U @ Wet J

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Tsuga canadensis	80	Yes	FACU	Number of Dominant Species
2. Ostrya virginiana	20	No	FACU	That Are OBL, FACW, or FAC: 0 (A)
3. Populus tremuloides	5	No	FACU	
4. Fraxinus pennsylvanica	5	No	FACW	Species Across All Strata: 1 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:0.0% (A/B)
7.				Prevalence Index worksheet:
	110	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1.				FACW species 5 $x 2 = 10$
2.				FAC species 0 x 3 = 0
3.				FACU species 105 x 4 = 420
4.				UPL species 0 x 5 = 0
5.				Column Totals: 110 (A) 430 (B)
6.				Prevalence Index = $B/A = 3.91$
7.				Hvdrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1				3 - Prevalence Index is <3.01
2				4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
3				Problematic Hydrophytic Vegetation ¹ (Explain)
5				
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree Weeds plants 2 in (7.0 err.) er mere in
9.				diameter at breast height (DBH), regardless of height.
10				Sanling/shrub – Woody plants less than 3 in DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

(inches) Color (moist) % Color (moist) % T 0-8 10YR 4/4 100	Type ¹ Loc ²		xture	Rema	rks
0-8 10YR 4/4 100		Loamy	y/Clayey		
Image:		·			
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LI Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)					
Image: Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LI Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)		 			
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (L1) Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)	d Sand Grains				
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (Ll Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)	d Sand Grains	 S.			
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LI Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)	d Sand Grains	 S.			
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LI Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)	d Sand Grains				
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LI Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)	d Sand Grains	 S.			
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LI Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)	d Sand Grains	 5.			
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LI Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)	d Sand Grains	 S.			
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LI Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)	d Sand Grains				
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LI Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)	d Sand Grains	 3.			
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LI Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)	d Sand Grains (S8) (LRR R,	 6.			
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators:	d Sand Grains	 S.			
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators:	d Sand Grains	5. 	² Location: PL-Pr		
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LI Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)	d Sand Grains (S8) (LRR R,	 5.	² l ocation: Pl =Pr		
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LI Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)	d Sand Grains (S8) (LRR R,	6.	² Location: PL =Pc		
Hydric Soil Indicators: Polyvalue Below Surface (Histosol (A1) Polyvalue Below Surface (Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (L) Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)	e (S8) (LRR R,			ore Lining, ivi=ivia	atrix.
Histosol (A1) Polyvalue Below Surface (Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (Ll Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)	(S8) (LRR R ,		Indicators for Pr	oblematic Hydr	ic Soils ³ :
Histic Epipedon (A2)MLRA 149B)Black Histic (A3)Thin Dark Surface (S9) (LiHydrogen Sulfide (A4)High Chroma Sands (S11)Stratified Layers (A5)Loamy Mucky Mineral (F1)			2 cm Muck (A	A10) (LRR K, L,	MLRA 149B)
Black Histic (A3) Thin Dark Surface (S9) (L) Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)			Coast Prairie	Redox (A16) (LI	RR K, L, R)
Hydrogen Sulfide (A4) High Chroma Sands (S11) Stratified Layers (A5) Loamy Mucky Mineral (F1)	LRR R, MLRA	149B)	5 cm Mucky I	Peat or Peat (S3) (LRR K, L, R)
Stratified Layers (A5) Loamy Mucky Mineral (F1)	1) (LRR K, L)		Polyvalue Be	low Surface (S8)	(LRR K, L)
	1) (LRR K, L)		Thin Dark Su	rface (S9) (LRR	K, L)
Depleted Below Dark Surface (A11)Loamy Gleyed Matrix (F2)	2)		Iron-Mangane	ese Masses (F12	2) (LRR K, L, R
Thick Dark Surface (A12) Depleted Matrix (F3)			Piedmont Flo	odplain Soils (F1	9) (MLRA 149
Sandy Mucky Mineral (S1) Redox Dark Surface (F6)	1		Mesic Spodic	(TA6) (MLRA 1	44A, 145, 149E
Sandy Gleyed Matrix (S4)Depleted Dark Surface (F7	=7)		Red Parent M	/laterial (F21)	
Sandy Redox (S5) Redox Depressions (F8)			Very Shallow	Dark Surface (F	22)
Stripped Matrix (S6)Marl (F10) (LRR K, L)			Other (Explai	n in Remarks)	
Dark Surface (S7)					
³ Indicators of hydrophytic vegetation and wetland hydrology must be prese	sent, unless di	sturbed or p	problematic.		
Restrictive Layer (if observed):					
Туре:					
Depth (inches):			c Sail Procont?	Yes	No X
		Hydrid	C Son Fresent?		

Stream Inventory

EDR

Observer: Name: Weather:	VZ+RF	lear		Project Name: Number:	Informatio Baron Wind P	n: roject	10/5/2016
Stream Nai	me:	Stream M		i vuinder.	15055	- Dute.	10/ 5/ 2010
Stream Location	n (nearest 1	oad, structure, etc.) :	Route 21 (Jones Roa	ıd)		-	
Adjacent Comn	nunity:	Upland Deciduous/Ag	g Row crops				
Stream Gradier	nt - gentle - mode - steep	rrate X					
Bank Width:	50'						
Stream Width:	10'						
Water Depth:	0-2"						
Substrate: - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	X X X					
Instream Cover	:: - Unde - Over - Logs - Deep - Othe	rcut bank hanging vegetation /woody debris pools r	x x x				
Flow: - Perm - Inter	nanent rmittent	X					
Photo # Flag #'s	Stream M	-					
Additional Con	nments:	Stream flows southeas	t, intermittent starts at roc	ky area and	l contains hydr	ophytic	vegetation

Environmental Design & Research

Project/Site: Baron	Winds Project			City/County: Steuber	County	s	Sampling Date:	10/12/2016
Applicant/Owner:	Everpower V	Vind Holdings, Inc.			State:	NY	Sampling Point	1W @ Wet R
Investigator(s): RF, \	/Z			Section, Tow	/nship, Range: <u>T</u>	owns of I	Dansville and Fr	emont
Landform (hillside, ter	race, etc.):	Terrace/hillslope	Local re	elief (concave, conve	k, none): <u>concav</u>	е	Slope	%: 3
Subregion (LRR or MI	_RA): <u>LRR F</u>	R, MLRA 140 Lat:	42.443408	Long:	-77.585812		Datum:	WGS 84
Soil Map Unit Name:	VoC - Volusi	a channery silt loam,	8-15% slopes		NWI classifi	ication: I	PSS	
Are climatic / hydrolog	gic conditions	on the site typical for	this time of year?	Yes X	No	(If no, ex	plain in Remarks	s.)
Are Vegetation	, Soil	, or Hydrology	significantly disturbe	ed? Are "Norm	al Circumstance	s" presen	nt? Yes <u>X</u>	No
Are Vegetation	, Soil	, or Hydrology	naturally problemat	ic? (If needed	, explain any ans	swers in F	Remarks.)	
SUMMARY OF F	INDINGS -	Attach site map	o showing samp	oling point locati	ons, transec	ts, imp	ortant featu	res, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes X No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland R
Remarks: (Explain alternative procedur Wetland seep that collects and flows no	es here or in a separate report.) orth and becomes Stream R	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)			
X Surface Water (A1)	Drainage Patterns (B10)			
High Water Table (A2)	Moss Trim Lines (B16)			
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (B	3)		X FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes X	No Depth (inches): 1			
Water Table Present? Yes	No X Depth (inches):			
Saturation Present? Yes X	No Depth (inches):	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches):	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor	No Depth (inches): itoring well, aerial photos, previous inspec	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor	No Depth (inches): itoring well, aerial photos, previous inspec	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor	No Depth (inches): No Depth (inches): itoring well, aerial photos, previous inspec	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): No Depth (inches): itoring well, aerial photos, previous inspec	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): No Depth (inches): itoring well, aerial photos, previous inspec	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): itoring well, aerial photos, previous inspec	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): itoring well, aerial photos, previous inspec	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): nitoring well, aerial photos, previous inspec	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): itoring well, aerial photos, previous inspec	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): itoring well, aerial photos, previous inspec	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): nitoring well, aerial photos, previous inspec	Wetlan	d Hydrology Present? Yes X No	
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): itoring well, aerial photos, previous inspec	Wetlan	d Hydrology Present? Yes X No	

Sampling Point: <u>1W @ Wet R</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
	:	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15)				OBL species 0 x 1 = 0
1. Cornus amomum	95	Yes	FACW	FACW species 130 x 2 = 260
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 130 (A) 260 (B)
6.				Prevalence Index = $B/A = 2.00$
7.				Hydrophytic Vegetation Indicators:
	95	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	25	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Equisetum palustre		No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3 Carex son	5	No	FACW	data in Remarks or on a separate sheet)
а. <u>оагол эрр.</u>			1700	Problematic Hydrophytic Vegetation ¹ (Explain)
T.				
3				¹ Indicators of hydric soil and wetland hydrology must
o				Definitions of Vegetation Strate:
<i>1</i>				Deminions of vegetation Strata.
o 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	35	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL	
------	--

- 000	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 3/2	95	7.5YR 5/6	5	С	PL	Loamy/Clayey	Prominent redox concentrations
3-14	5Y 5/1	70	5YR 3/4		<u> </u>	PL/M	Loamy/Clayey	Prominent redox concentrations
						_		
						_		
						_		
¹ Type: C=Co	ncentration, D=Dep	etion, RM	=Reduced Matrix, N	/IS=Masł	ked Sand	d Grains.	² Location: P	PL=Pore Lining, M=Matrix.
Histosol (Histic Ep Black His Stratified X Depleted Thick Da Sandy M Sandy M Sandy Re Stripped Dark Sur	(A1) ipedon (A2) stic (A3) n Sulfide (A4) Layers (A5) Below Dark Surface rk Surface (A12) ucky Mineral (S1) leyed Matrix (S4) edox (S5) Matrix (S6) face (S7)	e (A11)	 Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 14 High Chroma Sands (S11) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2) X Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Marl (F10) (LRR K, L) 			LRR R, , MLRA 1 R K, L) R K, L)	2 cm Mu Coast P 5 cm Mu Polyvalu Thin Dau Iron-Mar Piedmor Mesic S Red Par Very Sh Other (E	uck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R ue Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, F nt Floodplain Soils (F19) (MLRA 145 podic (TA6) (MLRA 144A, 145, 149 rent Material (F21) allow Dark Surface (F22) Explain in Remarks)
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology m	ust be pr	esent, ur	nless dist	urbed or problematic.	
Type: _	ches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks: This data forr Version 7.0, 2	n is revised from No 2015 Errata. (http://v	rthcentral /ww.nrcs.	and Northeast Reg usda.gov/Internet/F	ional Su SE_DOC	pplemen CUMENT	t Version S/nrcs14	2.0 to include the NR(2p2_051293.docx)	CS Field Indicators of Hydric Soils,
³ Indicators of Restrictive L Type: Depth (in Remarks: This data forr Version 7.0, 2	hydrophytic vegetat ayer (if observed): ches): n is revised from No 2015 Errata. (http://w	rthcentral	etland hydrology mi	ust be pr ional Su SE_DOC	esent, ur pplemen CUMENT	hless dist	urbed or problematic. Hydric Soil Preser 2.0 to include the NR(2p2_051293.docx)	nt? Yes <u>X</u> N CS Field Indicators of Hydri

Stream Inventory

Observer:					Project	Informatio	n:	
Name:	VZ+RF				Name:	Baron Wind Pr	oject	
Weather:	70 F and (Clear			Number:	13039	Date:	10/12/2016
Stream Na	ne:	Stream R						
Stream Location	n (nearest r	oad, structur	e, etc.) :	Upland scrub shrub forest				
Adjacent Comm	nunity:	Upland Dec	iduous (m	nostly fagus grandifolia)	_			
Stream Gradier	nt - gentle - mode - steep	rate	X	-				
Bank Width:	5-7'	-						
Stream Width:	3-4'	-						
Water Depth:	0-3"	-						
Substrate: - - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	X X X						
Instream Cover	:: - Unde - Over - Logs, - Deep - Other	rcut bank hanging vege /woody debr pools	tation is	<u>X</u> <u>x</u>				
Flow: - Perm - Inter	nanent mittent	<u>X</u>						
Photo # Flag #'s	Stream R	-						
Additional Con	nments:	<u>Stream flow</u>	s north ou	ut of Wetland R				

Project/Site: Baron	n Winds Proje	ect		City/County: Steuber	n County		Sampling Date:	10/12/2016
Applicant/Owner:	Everpower	r Wind Holdings, In	IC.		State:	NY	Sampling Point:	1U @ Wet R
Investigator(s): RF,	VZ			Section, Tov	vnship, Range:	Fown of E	Dansville	
Landform (hillside, te	errace, etc.):	hillslope	Local	elief (concave, conve	k, none): <u>convex</u>		Slope	%: 3
Subregion (LRR or M	/ILRA): LRF	R R, MLRA 140	Lat: 42.443423	Long:	-77.586220		Datum:	WGS 84
Soil Map Unit Name	: VoC - Volu	usia channery silt lo	pam, 8 to 15 percent slop	bes	NWI classif	ication:	none	
Are climatic / hydrold	ogic condition	ns on the site typica	al for this time of year?	Yes <u>X</u>	No	(If no, ex	xplain in Remarks	.)
Are Vegetation	, Soil	, or Hydrology	significantly distur	oed? Are "Norm	al Circumstance	es" presei	nt? Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally problema	tic? (If needed	, explain any ans	swers in I	Remarks.)	
SUMMARY OF	FINDINGS	– Attach site	map showing sam	pling point locati	ons, transec	cts, imp	portant featur	es, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

	Wetland Hydrology Indicators:					
Primary Indicators (minimum of one i	Surface Soil Cracks (B6)					
Surface Water (A1)	Drainage Patterns (B1	10)				
High Water Table (A2)	High Water Table (A2) Aquatic Fauna (B13)					
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Ta	ble (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8))		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on A	Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed P	Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position	(D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)			
Inundation Visible on Aerial Imag	ery (B7) Other (Explain in Remarks)		Microtopographic Reli	ef (D4)		
Sparsely Vegetated Concave Su	rface (B8)		FAC-Neutral Test (D5)		
Field Observations:						
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes	No X Depth (inches):	Wetlan	d Hydrology Present?	Yes No X		
(includes capillary fringe)						
Describe Recorded Data (stream dau	ige, monitoring well, aerial photos, previous inspe	ctions) if	available:			
		010113), 11 0				

Sampling Point: 1U @ Wet R

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer saccharum 2.	80	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3 4				Total Number of Dominant Species Across All Strata:1(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
	80	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 $x 1 = 0$
1. · · · · · · · · · · · · · · · · · · ·				FACW species $0 x^2 = 0$
2.				FAC species $0 x 3 = 0$
3				FACU species $80 \times 4 = 320$
4			·	$\frac{1100 \text{ species}}{100 \text{ species}} = 0 \qquad x = 0$
5				Column Totals: 80 (A) 320 (B)
5			·	$\frac{1}{2} = \frac{1}{2} = \frac{1}$
o				Prevalence index = B/A = 4.00
/				Hydrophytic vegetation indicators:
		= I otal Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: <u>5</u>)				2 - Dominance Test is >50%
1				3 - Prevalence Index is ≤3.0 ¹
2				4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9				linee – Woody plants 3 in. (7.6 cm) or more in diameter at breast beight (DBH), regardless of beight
10				
11				Sapling/shrub – Woody plants less than 3 in. DBH
10				and greater than of equal to 3.26 it (1 iii) tail.
12		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4				Vegetation Present? Yes No X
		=Total Cover		
Pomarka: (Includa photo numbero horo or on o cono	rate aboat)			
Remarks. (include photo numbers here of on a sepa	arate sheet.)			

Profile Des	cription: (Describe	to the de	pth needed to docu	ment t	he indica	tor or co	onfirm the absence of inc	dicators.)
Depth	Matrix		Redox	Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-1	10YR 3/1	100					Loamy/Clayey	
1-8	10YR 5/3	100					Loamy/Clayey	
	·	·						
	·							
		·						
		·						
	·	·						
		·						
'Type: C=C	concentration, D=Dep	letion, RN	I=Reduced Matrix, M	S=Mas	ked Sand	Grains.	² Location: PL=P	Pore Lining, M=Matrix.
Hydric Soil	Indicators:		Daharaha Dalar		aa (CO) (I		Indicators for P	roblematic Hydric Solls":
HISTOSO	I (A1) ninadan (A2)			N Suna	ce (58) (I	_RR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Black H	pipedon (A2) istic (Δ3)		Thin Dark Surfa	02) 22		MIRA	L49B) 5 cm Mucky	Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma S	ands (S	511) (I RF	K.I.)	Polyvalue B	elow Surface (S8) (LRR K, L, K)
Stratifie	d Lavers (A5)		Loamy Mucky M	Aineral	(F1) (LRI	R K. L)	Thin Dark S	urface (S9) (LRB K. L)
Deplete	d Below Dark Surface	e (A11)	Loamy Gleved	Matrix ((F2)	, _/	Iron-Mangar	nese Masses (F12) (LRR K. L. R)
Thick D	ark Surface (A12)	• (/)	Depleted Matrix	(F3)	/		Piedmont Fl	oodplain Soils (F19) (MLRA 149B)
Sandy M	Mucky Mineral (S1)		Redox Dark Su	rface (F	-6)		Mesic Spodi	c (TA6) (MLRA 144A. 145. 149B)
Sandy (Gleved Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent	Material (F21)
Sandy F	Redox (S5)		Redox Depress	ions (F	8)		Very Shallov	w Dark Surface (F22)
Stripped	d Matrix (S6)		Marl (F10) (LRI	R K, L)			Other (Expla	ain in Remarks)
Dark Su	ırface (S7)							
³ Indicators c	of hydrophytic vegetat	tion and w	etland hydrology mu	st be p	resent, ur	less dist	urbed or problematic.	
Restrictive	Layer (if observed):							
Туре:	Roo	ck						
Depth (i	inches):	8					Hydric Soil Present?	Yes No_X
Remarks:								
This data fo	rm is revised from No	orthcentral	and Northeast Regi	onal Su	pplement	Version	2.0 to include the NRCS F	Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (http://v	www.nrcs.	usda.gov/internet/FS	E_DOU	JUMENT	5/nrcs14	2p2_051293.docx)	

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/13/2016
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet S
Investigator(s): VZ	Section, Township, Range: Town of Dansville
Landform (hillside, terrace, etc.): Flat Loc	al relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.442688	Long: -77.593646 Datum: WGS 84
Soil Map Unit Name: FrB - Fremont silt loam, 2 to 8 percent slopes	NWI classification: PFO
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 Hydrologysignificantly dis	turbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally proble	matic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	impling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland S
Hydric Soil Present?	Yes X	No	
Wetland Hydrology Present?	Yes X	No	
Remarks: (Explain alternative procedure	es here or in a se	parate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)	
Surface Water (A1)	Water-Stained Leaves (B9)	X Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	bots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	X Presence of Reduced Iron (C4)	X Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	X Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8	3)	X FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe)	No X Depth (inches):	Wetland Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mon	No X Depth (inches):	Wetland Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mon	No X Depth (inches):	Wetland Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mon	No X Depth (inches):	Wetland Hydrology Present? Yes X No ctions), if available:
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mon Remarks:	No X Depth (inches):	Wetland Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mon Remarks: Shallow aquitard at 6 inches, clay/compacted	No X Depth (inches):	Wetland Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mon Remarks: Shallow aquitard at 6 inches, clay/compacted	No X Depth (inches):	Wetland Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mon Remarks: Shallow aquitard at 6 inches, clay/compacted	No X Depth (inches):	Wetland Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mon Remarks: Shallow aquitard at 6 inches, clay/compacted	No X Depth (inches):	Wetland Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mon Remarks: Shallow aquitard at 6 inches, clay/compacted	No X Depth (inches):	Wetland Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mon Remarks: Shallow aquitard at 6 inches, clay/compacted	No X Depth (inches):	Wetland Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mon Remarks: Shallow aquitard at 6 inches, clay/compacted	No X Depth (inches):	Wetland Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mon Remarks: Shallow aquitard at 6 inches, clay/compacted	No X Depth (inches):	Wetland Hydrology Present? Yes X No

Sampling Point: 1W @ Wet S

1. <u>Accer advam</u> 35 Yes FAC 2.	Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
2	1. Acer rubrum	35	Yes	FAC	Number of Dominant Species
3.	2				That Are OBL, FACW, or FAC:4 (A)
4. Species Across All Strate: 4 (B) 5.	3				Total Number of Dominant
5.	4				Species Across All Strata: 4 (B)
6.	5				Percent of Dominant Species
7.	6				That Are OBL, FACW, or FAC: 100.0% (A/B)
38 = Total Cover Total % Cover of: Multiply by: 1 Acer rubrum 10 Yes FAC 2. Fraxinus pennsylvanica 10 Yes FAC 3.	7				Prevalence Index worksheet:
SapilagShub Stratum (Plot size: 15) 10 Yes FAC FACW spacies 0 x1 = 0 1. Acar ubrum 10 Yes FACW FAC Species 0 x1 = 0 2. Fraxinus pennsylvanica 10 Yes FACW FAC Species 0 x1 = 0 3.		35	=Total Cover		Total % Cover of: Multiply by:
1. Acer rubrum 10 Yes FAC FACW FACW species 30 x 2 = 60 2. Fraxirus pennsylvanica 10 Yes FACW FAC species 30 x 2 = 60 4.	Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
2. Fraxinus pennsylvanica 10 Yes FAC species 45 x 3 = 135 3.	1. Acer rubrum	10	Yes	FAC	FACW species <u>30</u> x 2 = <u>60</u>
3.	2. Fraxinus pennsylvanica	10	Yes	FACW	FAC species 45 x 3 =135
4.	3				FACU species x 4 =
5.	4				UPL species x 5 =
6. Prevalence Index = B/A =2.60 7.	5				Column Totals: 75 (A) 195 (B)
7.	6				Prevalence Index = B/A = 2.60
20 =Total Cover	7				Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size:		20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
1. Carex sp. 20 Yes FACW X. 3 - Prevalence Index is <3.0 ¹ 2.	Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
2.	1. Carex sp.	20	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
3.	2.				4 - Morphological Adaptations ¹ (Provide supporting
4.	3.				data in Remarks or on a separate sheet)
5.	4.				Problematic Hydrophytic Vegetation ¹ (Explain)
6. Inductors of information information information information information information information. 7. Information information information information information information. 9. Information information information information information information. 10. Information information information information information information. 11. Information information information information information information information. 12. Information information information information information information information information information information. 12. Information inform	5.				¹ Indicators of hydric soil and wetland hydrology must
7.	6.				be present, unless disturbed or problematic.
8.	7.				Definitions of Vegetation Strata:
9.	8				Tree – Woody plants 3 in. (7.6 cm) or more in
10.	9				diameter at breast height (DBH), regardless of height.
11.	10				Sapling/shrub – Woody plants less than 3 in. DBH
I2.	12				
Woody Vine Stratum (Plot size:30) 1.	12	20	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
1.	Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
2.	1				height.
3.	2				
4.	3.				Hydrophytic Vegetation
=Total Cover Remarks: (Include photo numbers here or on a separate sheet.)	4.				Present? Yes X No
Remarks: (Include photo numbers here or on a separate sheet.)			=Total Cover		
	Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	ator or co	onfirm the absence of	indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 2/1	100					Loamy/Clayey	
6-14	5Y 5/2	70	7.5YR 5/6	30	С	M	Loamy/Clayey	Prominent redox concentrations
1								
'Type: C=Co	oncentration, D=Dep	letion, RM	A=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	² Location: PL	_=Pore Lining, M=Matrix.
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R.	2 cm Mu	ck (A10) (LRR K. L. MLRA 149B)
Histic Er	pipedon (A2)		MLRA 149B)))		,	Coast Pra	airie Redox (A16) (LRR K. L. R)
Black Hi	stic (A3)		Thin Dark Surf) ace (S9)		MLRA	(49B) 5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	511) (I RE	RK.I)	Polyvalue	e Below Surface (S8) (I BR K I)
Stratified				Minoral	(E1) (ERI	, , , , ,	T biy Value	k Surface (S9) (I PP K I)
	Below Dark Surface	ο (Δ11)	Loamy Gleved	Matrix ((1 1) (EIXI E2)	(I (, L)	Iron-Man	
	rk Surfood (A12)	= (ATT)	Loany Gleyeu	(E2)	[2]		IIOII-Main	t Eloodoloin Soile (E10) (MI DA 1400)
				х (го) 			Fleamon	
Sandy IV				unace (F	·0)		Wesic Sp	bodic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(⊢7)		Red Pare	ent Material (F21)
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Very Sha	Illow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E>	xplain in Remarks)
Dark Su	face (S7)							
³ Indicators of	f hydrophytic vegetat	tion and v	vetland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive I	_ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Presen	t? Yes <u>X</u> No
Remarks:								
This data for	m is revised from No	orthcentra	and Northeast Reg	ional Su	pplemen	t Version	2.0 to include the NRC	S Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	www.nrcs	.usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/13/2016
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet S
Investigator(s): VZ	Section, Township, Range: Town of Dansville
Landform (hillside, terrace, etc.): Flat	Local relief (concave, convex, none): <u>convex</u> Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.442314	Long: <u>-77.593539</u> Datum: <u>WGS 84</u>
Soil Map Unit Name: FrB - Fremont silt loam, 2 to 8 percent slopes	NWI classification: none
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 Hydrologysignificantly	y disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally placed	roblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

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

Sampling Point: 10 @ Wet S

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Fagus grandifolia Z.	90	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:0.0% (A/B)
7				Prevalence Index worksheet:
	90	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2.				FAC species $0 \times 3 = 0$
3.				FACU species 100 x 4 = 400
4.				UPL species $0 \times 5 = 0$
5.		·		Column Totals: 100 (A) 400 (B)
6				$\frac{1}{2} = \frac{1}{2} = \frac{1}$
7		<u> </u>		
/:				1 Popid Test for Hydrophytic Vegetation
		= rotar Cover		
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Dryopteris marginalis	5	Yes	FACU	3 - Prevalence Index is ≤3.0
2. Lycopodium dendroideum	5	Yes	FACU	4 - Morphological Adaptations' (Provide supporting
3				uata in Remarks of on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Trace Weather starts 2 in (7.0 are) as more in
9.				diameter at breast height (DBH), regardless of height.
10				······································
11		·		Sapling/shrub – Woody plants less than 3 in. DBH
10		·		
12	10	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic Versteller
4.			•	Vegetation Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sens	arate sheet)			
Remarks. (include proto numbers here of on a sepa	arate sheet.)			

Profile Desc	cription: (Describe	to the de	epth needed to doc	ument t	he indica	ator or co	onfirm the absence of inc	licators.)		
Depth	Matrix		Redo	x Featur	res					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-4	10YR 4/1	100					Loamy/Clayey			
4-10	10YR 5/4	50					Loamy/Clayey			
	10YR 4/1	50								
		·								
		·								
		·								
		·								
		·								
<u> </u>										
¹ Type: C=C	oncentration, D=Dep	letion, RI	M=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL=P	ore Lining, M=Matrix.		
Hydric Soil	Indicators:		Polyacius Role		co (S8) (Indicators for P	Oblematic Hydric Soils":		
Histosof	(AI)			w Sulla	ce (30) (LKK K,		$(\mathbf{A} 10) (\mathbf{L} \mathbf{R} \mathbf{R} \mathbf{R}, \mathbf{L}, \mathbf{M} \mathbf{L} \mathbf{R} \mathbf{A} 1430)$		
) 						
Black Hi	stic (A3)		I hin Dark Surf	ace (S9) (LRR R	, MLRA 1	149B) 5 cm Mucky	Peat or Peat (S3) (LRR K, L, R)		
Hydroge				Sanus (a Minorol)) (LRI (E1) (LRI	K K, L)	Polyvalue Be			
	d Bolow Dark Surfac	0 (111)		Motrix ((FI) (LK I (E2)	Κ Κ, Ľ)		$(\mathbf{L}\mathbf{K}\mathbf{K},\mathbf{L})$		
	a Below Dark Sullac	e (ATT)	Loany Gleyed	v (E2)	[[2]		IIOII-Mangan Diodmont Ele	(12) (LRR R, L, R)		
Thick Da	Ark Sunace (A12) Aucky Mineral (S1)		Depleted Math	rface (F	6)		Fleamont Fic	(TA6) (MI PA 144A 145 149B)		
Sandy G	loved Matrix (S4)		Neoleted Dark	Surface (I	0) (F7)		Red Parent I	(170) (MERA 144A , 14 3 , 14 3 D)		
Sandy R			Depleted Dark	sione (F	s (i 7) 8)		Very Shallow	v Dark Surface (E22)		
Stripped	Matrix (S6)		Marl (E10) (I P		0)		Very Shallow Dark Surface (F22)			
Dark Su	rface (S7)			.ix ix, ⊑)						
³ Indicators o	f hydrophytic vegeta	tion and v	vetland hydrology mu	ust be pi	resent, ur	nless dist	urbed or problematic.			
Restrictive I	Layer (if observed):									
Depth (ir	nches):						Hvdric Soil Present?	Yes No X		
Pomarka:										
This data for	m is revised from No	orthcentra	I and Northeast Reg	ional Su	Innlemen	t Version	2.0 to include the NRCS F	ield Indicators of Hydric Soils		
Version 7.0,	2015 Errata. (http://	www.nrcs	.usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)			

Stream Inventory

Observer:	WZ					Project Inf	ormation:	
Weather:	VZ Overcast	and Rainy, 5	50 F			Number:	13039 Date:	10/13/2016
Stream Na	me	Stream II	-					
	inc.	Stream O	-					
Stream Locatio	n (nearest	road, structu	re, etc.) :	Derevees	Road			
Adjacent Com	munity:	Mixed hare	lwood fore	est	_			
Stream Gradier	nt - gentle - mod - steep	e erate	X	-				
Bank Width:	15-35'	_						
Stream Width:	8-20'	_						
Water Depth:	0-3"	_						
Substrate: - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	x x x x	- - - - -					
Instream Cove	r: - Unde - Ove - Log - Dee - Othe	ercut bank rhanging veg s/woody del p pools er	getation pris	$\begin{array}{c} x \\ \hline x \\ \hline x \\ \hline \end{array}$				
Flow: - Pern - Inter	nanent rmittent	<u>x</u>	-					
Photo # Flag #'s	Stream U	ſ						
		Stream flow	vs east alo	ng the Dereveese	Rd and cr	osses under rt 2	1 before exiting stu	dv corridor.

Environmental Design & Research

Project/Site: Baron \	Ninds Project			City/County: Steuber	n County	Sa	ampling Date:	10//2016
Applicant/Owner:	Everpower V	/ind Holdings, In	C.		State:	NY	Sampling Point:	1W @ Wet V
Investigator(s): VZ				Section, Tov	vnship, Range: <u>T</u>	own of Fre	emont	
Landform (hillside, ter	race, etc.):	Flat	Local	relief (concave, conve	x, none): <u>Conca</u>	/e	Slope	%: 0
Subregion (LRR or ML	_RA): <u>LRR F</u>	R, MLRA 140	Lat: 42.447375	Long:	-77.580170		Datum:	WGS 84
Soil Map Unit Name:	FrB - Fremor	nt silt loam, 2 to	8 percent slopes		NWI classif	ication: P	PEM	
Are climatic / hydrolog	ic conditions	on the site typica	al for this time of year?	Yes X	No	(If no, exp	lain in Remarks	.)
Are Vegetation	, Soil	, or Hydrology	significantly distur	bed? Are "Norm	al Circumstance	s" present	? Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally problema	tic? (If needed	, explain any ans	swers in R	emarks.)	
SUMMARY OF F	INDINGS -	Attach site	map showing sam	pling point locati	ions, transec	ts, impo	ortant featur	es, etc.

Hydrophytic Vegetation Present?	Yes	X	No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland V
Hydric Soil Present?	Yes	X	No	
Wetland Hydrology Present?	Yes	X	No	
Remarks: (Explain alternative procedure	es here or i	in a se	eparate report.)	

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

Sampling Point: 1W @ Wet V

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Populus tremuloides	10	Yes	FACU	Number of Dominant Species
2.				That Are OBL, FACW, or FAC:(A)
3				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species
7.				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 120 x 1 = 120
1. Populus tremuloides	10	Yes	FACU	FACW species 10 $x 2 = 20$
2.				FAC species 0 x 3 = 0
3.				FACU species 20 x 4 = 80
4.				UPL species 0 x 5 = 0
5.				Column Totals: 150 (A) 220 (B)
6				Prevalence Index = B/A =1.47
7.				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Typha latifolia	95	Yes	OBL	X_3 - Prevalence Index is ≤3.0 ¹
2. Onoclea sensibilis	10	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Carex sp.	25	No	OBL	data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	130	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3	,			Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	cription: (Describe	to the de	pth needed to doc	ument t	he indica	ator or c	onfirm the absence of	indicators.)
Depth	Matrix		Redo	x Featu	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2								Root mat
2-8	10YR 4/2	100					Loamy/Clayey	Dense root network
8-18	10YR 4/1	100					Loamy/Clayey	Organic material
-								
		· <u> </u>	·		·			
-								
		·						
		·						
		·						
¹ Type: C=C	oncentration, D=Dep	letion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL	_=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators fo	r Problematic Hydric Soils ³ :
X Histosol	(A1)		Polyvalue Belo	ow Surfa	ice (S8) (LRR R,	2 cm Muc	ck (A10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)		MLRA 149B	5)			Coast Pra	airie Redox (A16) (LRR K, L, R)
Black Hi	istic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA [·]	149B)5 cm Muc	cky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	311) (LRI	R K, L)	Polyvalue	e Below Surface (S8) (LRR K, L)
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark	<pre>Surface (S9) (LRR K, L)</pre>
Deplete	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Man	ganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		X Depleted Matri	ix (F3)			Piedmont	t Floodplain Soils (F19) (MLRA 149B)
Sandy N	/lucky Mineral (S1)		Redox Dark Su	urface (F	=6)		Mesic Sp	odic (TA6) (MLRA 144A, 145, 149B)
Sandy G	Bleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pare	ent Material (F21)
Sandy F	Redox (S5)		Redox Depres	sions (F	8)		Very Sha	llow Dark Surface (F22)
Stripped	I Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Ex	plain in Remarks)
Dark Su	rface (S7)							
³ Indicators o	f hydrophytic vegetat	tion and w	etland hydrology mu	ust be p	resent, ur	nless dist	urbed or problematic.	
Restrictive	Layer (if observed):							
Type:								
Depth (i	nches):						Hydric Soil Presen	t? Yes <u>X</u> No
Remarks:								
This data for	rm is revised from No	orthcentral	and Northeast Reg	ional Su	Ipplemen	t Version	2.0 to include the NRC	S Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	www.nrcs.	usda.gov/Internet/F	SE_DO	CUMENT	S/nrcs14	2p2_051293.docx)	
Organic mat	erials found througho	out soil lay	/er					

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/13/2016
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet V
Investigator(s): VZ	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Flat I	_ocal relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.447271	Long: -77.580340 Datum: WGS 84
Soil Map Unit Name: FrB - Fremont silt loam, 2 to 8 percent slopes	NWI classification: none
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly	disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally prof	blematic? (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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is requi	Surface Soil Cracks (B6)					
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)				
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)				
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)				
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots	(C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C	C6) Geomorphic Position (D2)				
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (I	38)	FAC-Neutral Test (D5)				
Field Observations:						
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X				
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspectio	ons), if available:				
Remarks:						

Sampling Point: 10 @ Wet V

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3 4				Total Number of Dominant Species Across All Strata:4 (B)
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B)
7.				Prevalence Index worksheet:
		-Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				
1 Populus deltoides	40	Yes	FAC	FACW species $0 \times 2 = 0$
2			17.0	FAC species $40 \times 3 = 120$
3				$FACU \text{ species} \qquad 10 \qquad x 4 - 40$
3				$\frac{110}{10} \times 4 = \frac{40}{10}$
4				$\begin{array}{c} \text{OPL species} \underline{20} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} \underline{70} x \text{ 5} = \underline{100} \\ \text{OPL species} x \text{ 5} = \underline{100} \\ x $
5				Column Totals: 70 (A) 260 (B)
6				Prevalence Index = B/A =3.71
7				Hydrophytic Vegetation Indicators:
	40	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Fragaria vesca	10	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
2. Solidago canadensis	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3 Daucus carota	10	Yes	LIPI	data in Remarks or on a separate sheet)
		100		Problematic Hydrophytic Vagatation ¹ (Evaluin)
4				
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10.				Sanling/obrub Woody plants loss than 2 in DPH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	30	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic
4				Vegetation Present? Yes No X
		-Total Cover		
Demoder (herbede abete anabere berriere e				
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	tor or co	onfirm the absence of	f indicators.)		
Depth	Matrix		Redo	x Featur	res					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-8	2.5Y 5/3	95	7.5YR 5/8	5	С	M	Loamy/Clayey	Prominent redox concentrations		
		. <u> </u>								
		·								
		· <u> </u>								
			. <u></u>				·			
		·								
¹ Type: C=Co	oncentration, D=Dep	letion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sanc	I Grains.	² Location: Pl	L=Pore Lining, M=Matrix.		
Hydric Soil I	Indicators:						Indicators for	or Problematic Hydric Soils ³ :		
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)		
Histic Ep	oipedon (A2)		MLRA 149B)			Coast Pr	airie Redox (A16) (LRR K, L, R)		
Black His	stic (A3)		Thin Dark Surf	ace (S9)) (LRR R	, MLRA 1	149B) 5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)		
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue	e Below Surface (S8) (LRR K, L)		
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)		
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Man	iganese Masses (F12) (LRR K, L, R)		
	ark Surface (A12)		Depleted Matri	X (F3) urfana /F	- (1)		Pleamon	a Fioodplain Solis (F19) (MLRA 1498)		
Sandy G	lucky Mineral (ST)		Redux Dark St	Surface (F	-0) (E7)		Niesic Sp	Dodic (TAO) (MILRA 144A, 145, 1496)		
Sandy B	adox (S5)		Depieted Dark	sions (E)	; (F7) 8)			Very Shallow Dark Surface (F22)		
Oandy R	Matrix (S6)		Marl (F10) (LR	R K. L)	0)		Other (E)	xplain in Remarks)		
Dark Sur	rface (S7)			, _/			001 (2)			
	()									
³ Indicators of	f hydrophytic vegetat	tion and w	etland hydrology mu	ust be pi	resent, ur	nless dist	urbed or problematic.			
Restrictive L	_ayer (if observed):									
Type:	Roc	ck								
Depth (ir	nches):	8					Hydric Soil Presen	nt? Yes <u>No X</u>		
Remarks:										
This data for	m is revised from No	orthcentra	and Northeast Reg	ional Su	pplement	Version	2.0 to include the NRC	CS Field Indicators of Hydric Soils,		
Version 7.0,	2015 Errata. (http://v	www.nrcs.	usda.gov/Internet/FS	SE_DOC	JUMENT	S/nrcs14	2p2_051293.docx)			

Project/Site: Ba	iron Winds Proje	ect		City/County: Steuben County Sampling Date: 10/18/20						10/18/2016
Applicant/Owner:	Everpowe	r Wind Holdings, Ir	nc.				State:	NY	Sampling Poin	It: 1W @ Wet Y
Investigator(s):	estigator(s): RF, VZ Section, Township, Range: Town of Wayland									
Landform (hillside	e, terrace, etc.):	Bowl Depressic	n		Local relief (conc	ave, convex	د, none): <u>Conca</u>	/e	Slop	e %: 0
Subregion (LRR	or MLRA): LR	.R R, MLRA 140	Lat:	42.452118		Long:	-77.554094		Datum:	WGS 84
Soil Map Unit Na	me: <u>FL - Fluv</u> a	aquents and Ochre	pts				NWI classif	ication:	PEM	
Are climatic / hyd	rologic conditior	ns on the site typic	al for	this time of y	/ear?	Yes X	No	(lf no, e	explain in Remark	<s.)< td=""></s.)<>
Are Vegetation	, Soil	, or Hydrology		significantly	/ disturbed?	Are "Norm:	al Circumstance	s" prese	ent? Yes <u>X</u>	No
Are Vegetation	, Soil	, or Hydrology		_naturally pro	oblematic?	(If needed,	, explain any ans	swers in	Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.										
Hydrophytic Veç	jetation Present	i? Yes	х	No	Is the S	Sampled Are	ea			

Hydric Soil Present?	Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present?	Yes X No	If yes, optional Wetland Site ID: Wetland Y
Remarks: (Explain alternative procedur	es here or in a separate report.)	

	Wetland Hydrology Indicators:					
Primary Indicators (minimum of one is requi	Surface Soil Cracks (B6)					
Surface Water (A1)	Water-Stained Leaves (B9)	X Drainage Patterns (B10)				
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)				
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)				
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3) X Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6) X Geomorphic Position (D2)				
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7	7) Other (Explain in Remarks)	Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (E	38)	X FAC-Neutral Test (D5)				
Field Observations:		—				
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes X	No Depth (inches): 4	Wetland Hydrology Present? Yes X No				
(includes capillary fringe)	, ,					
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspec	ctions), if available:				
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspec	ctions), if available:				
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspec	ctions), if available:				
Describe Recorded Data (stream gauge, mo Remarks:	nitoring well, aerial photos, previous inspec	ctions), if available:				
Describe Recorded Data (stream gauge, mo Remarks:	nitoring well, aerial photos, previous inspec	ctions), if available:				
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspec	ctions), if available:				
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Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspec	ctions), if available:				
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspec	ctions), if available:				
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspec	ctions), if available:				

Sampling Point: <u>1W @ Wet Y</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 80 x 1 = 80
1				FACW species 25 x 2 = 50
2				FAC species x 3 =
3				FACU species x 4 =0
4				UPL species 0 x 5 = 0
5				Column Totals: 105 (A) 130 (B)
6				Prevalence Index = B/A =1.24
7				Hydrophytic Vegetation Indicators:
	:	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Typha angustifolia	80	Yes	OBL	X 3 - Prevalence Index is $≤3.0^1$
2. Onoclea sensibilis	25	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3				Broklomatia Hydrophytia Magatatian ¹ (Evaluin)
4				
5 6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
89.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.	105	-Total Covor		Herb – All herbaceous (non-woody) plants, regardless
Woody Vine Stratum (Plot size: 30)				
1,				woody vines – All woody vines greater than 3.28 ft in height.
2				Hydrophytic
3				Vegetation
4				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	cription: (Describe	to the de	pth needed to doc	ument t	he indica	ator or co	onfirm the absence of i	indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 3/2	100					Loamy/Clayey	
3-18	10YR 3/1	80	5YR 4/4	15	С	PL/M	Loamy/Clayey	Prominent redox concentrations
	10YR 6/8	5						
		·						
<u> </u>								
		_			_			
¹ Type: C=C	oncentration. D=Dep	letion. RN		MS=Mas	ked Sand	Grains.	² Location: PL:	=Pore Lining, M=Matrix,
Hydric Soil	Indicators:	,	,				Indicators for	Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (l	LRR R,	2 cm Muc	k (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B	6)			Coast Pra	irie Redox (A16) (LRR K, L, R)
Black Hi	istic (A3)		Thin Dark Surf	face (S9)) (LRR R	, MLRA 1	49B) 5 cm Muc	ky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma	Sands (S	611) (LRF	R K, L)	Polyvalue	Below Surface (S8) (LRR K, L)
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark	Surface (S9) (LRR K, L)
Depleted	d Below Dark Surfac	e (A11)	Loamy Gleyed	l Matrix (F2)		Iron-Mang	anese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	ix (F3)			Piedmont	Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		X Redox Dark S	urface (F	-6)		Mesic Spo	odic (TA6) (MLRA 144A, 145, 149B)
Sandy G	Bleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parer	nt Material (F21)
Sandy R	Redox (S5)		Redox Depres	sions (F	8)		Very Shall	low Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Exp	plain in Remarks)
Dark Su	nace (S7)							
³ Indicators o	f hydrophytic vegeta	tion and w	etland hydrology m	ust be pi	resent. ur	nless dist	urbed or problematic.	
Restrictive	Layer (if observed):		ionana nyarotogy m					
Type:								
Depth (ir	nches):						Hydric Soil Present	? Yes <u>X</u> No
Remarks:								
This data for	m is revised from No	orthcentra	I and Northeast Reg	ional Su	pplemen	t Version	2.0 to include the NRCS	S Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://	www.nrcs.	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Baron Winds Proje	ect	City/County: Steuber	n County	Sampling Date: 10/18/2016
Applicant/Owner: Everpowe	r Wind Holdings, Inc.		State: NY	Sampling Point: 10 @ Wet Y
Investigator(s): RF, VZ		Section, Tov	vnship, Range: <u>Town of</u>	f Wayland
Landform (hillside, terrace, etc.):	Slight hillslope	Local relief (concave, conve	x, none): <u>convex</u>	Slope %: 1-3
Subregion (LRR or MLRA): LR	R R, MLRA 140 Lat: 42.4520	098 Long:	-77.553955	Datum: WGS 84
Soil Map Unit Name: HrB - How	vard-Madrid complex, undulating		NWI classification:	none
Are climatic / hydrologic condition	ns on the site typical for this time	of year? Yes X	No (If no,	explain in Remarks.)
Are Vegetation, Soil	, or Hydrologysignifica	antly disturbed? Are "Norm	al Circumstances" pres	sent? Yes X No
Are Vegetation, Soil	, or Hydrologynaturall	y problematic? (If needed	l, explain any answers i	n Remarks.)
SUMMARY OF FINDINGS	S – Attach site map show	ing sampling point locat	ions, transects, in	nportant features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requ	ired; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	coots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	ils (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (E	37) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface	(B8)	FAC-Neutral Test (D5)
Field Observations:		<u> </u>
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X
(includes capillary fringe)		
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspe	ections), if available:
Remarks:		

Sampling Point: 1U @ Wet Y

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3. 4.				Total Number of Dominant Species Across All Strata:4 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species X 1 =0
1				FACW species 0 x 2 = 0
2				FAC species x 3 =
3				FACU species x 4 = 460
4				UPL species 40 x 5 =200
5				Column Totals: 155 (A) 660 (B)
6				Prevalence Index = B/A = 4.26
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Poa pratensis	40	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Rubus sp.	15	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Fragaria vesca	15	No	UPL	data in Remarks or on a separate sheet)
4. Trifolium pratense	25	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Plantago lanceolata	25	Yes	FACU	
6 Daucus carota	25	Yes	UPL	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7 Gallium sn	<u> </u>	No	FACU	Definitions of Vegetation Strata:
8.				
9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12		,		Herb – All herbaceous (non-woody) plants, regardless
	155	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes No X
		=Total Cover		
Pemarke: (Include photo numbers here or on a sepa	arate sheet)			
	nate sheet.)			

Depth	Matrix		Redo	x Featur	es				···· ·	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remai	ks
0.5	10VP 3/4	100						_		
0-5	1011 3/4	100					Loaniy/Glayey			
		· ·								
		· ·								
		· ·								
		· ·								
		· ·								
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.	² Location:	PL=Por	e Lining, M=Ma	trix.
Hydric Soil	Indicators:						Indicator	s for Pro	blematic Hydri	ic Soils ³ :
Histosol	(A1)	-	Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm	Muck (A1	0) (LRR K, L, I	MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B	5)			Coas	t Prairie F	Redox (A16) (LF	RR K, L, R)
Black Hi	stic (A3)	-	Thin Dark Surf	ace (S9) (LRR R	, MLRA 1	49B) 5 cm	Mucky Pe	eat or Peat (S3)) (LRR K, L, R)
Hydroge	n Sulfide (A4)	-	High Chroma S	Sands (S	611) (LRF	R K, L)	Polyv	alue Belo	w Surface (S8)	(LRR K, L)
Stratified	d Layers (A5)	-	Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin I	Dark Surf	ace (S9) (LRR	K, L)
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-M	/langanes	e Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedr	nont Floo	dplain Soils (F1	9) (MLRA 1498
Sandy M	lucky Mineral (S1)	-	Redox Dark Su	urface (F	⁻ 6)		Mesio	: Spodic (TA6) (MLRA 1 4	44A, 145, 149B)
Sandy G	Bleyed Matrix (S4)	-	Depleted Dark	Surface	e (F7)		Red F	Parent Ma	aterial (F21)	
Sandy R	Redox (S5)	-	Redox Depres	sions (F	8)		Very	Shallow D	Dark Surface (F	22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other	(Explain	in Remarks)	
Dark Su	rface (S7)	•								
_										
³ Indicators o	f hydrophytic vegetat	tion and we	etland hydrology mi	ust be pi	resent, ur	nless dist	urbed or problemat	с.		
Restrictive	Layer (if observed):									
Type:	Roc	:k								
Depth (ir	nches):	5					Hydric Soil Pre	sent?	Yes	No X
		ů.								
Remarks:	m is revised from No	rtheoptrol	and Northaast Dag	ional Cu	nnlaman	Varaian	2.0 to include the N		ld Indiactors of	Lludria Caila
Version 7.0	2015 Errata (http://w		and Northeast Reg	SE DOC	DIMENT.	S/nrcs14	2.0 to include the h 2n2 051293 docs)	IRUS FIE	id maicators of	nyunc Solis,
version 7.0,	2010 Enata. (http://	www.inco.c	isua.gov/internet/1			0/11/0314	2p2_001200.000x)			

Stream Inventory

Observer	•			Project	Information:	
Name:	VZ + RF			Name:	Baron Wind Project	
Weather:	Overcast	Warm		Number:	13039 Date:	10/18/2016
Stream N	ame:	Stream AA				
Stream Locat	ion (nearest	road, structure, etc.)	: Rex Road			
Adjacent Con	nmunity:	Mowed Lawn/scru	ub shrub			
Stream Gradi	ent - gentle	x <u>X</u>				
	- mod	erate				
	- steep	·				
Bank Width	5'					
Dank Width:		_				
Stream Width	ı [.] 2'					
Stream What	I. <u> </u>	_				
Water Depth:	0-3"					
		-				
Substrate .	. Bed Rock	<i>,</i>				
Substrate.	- Boulder	`				
	- Cobble	X				
	- Cobble					
	- Glavel	<u> </u>				
	- Sand					
	- 511t	λ				
	- Clay					
Instream Cov	er: - Unde	ercut bank	х			
instream cov	- Ovo	rhanging vegetation	$\frac{x}{x}$			
	- Ove	woody dobris	$\frac{\lambda}{\mathbf{y}}$			
	- Luga Door	n pools	<u></u>			
	- Deej	p poors				
	- Oth	er				
Flow: - Per	rmanent					
- Int	ermittent	X				
Photo #						
Flag #'s	Stream A	Ā				
Ū		-				
Additional C	omments: _	_Stream flows west	passing through culver	t under Rex Road	<u>.</u>	

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/19/2016
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet CC
Investigator(s): RF, VZ	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Terrace/Pond Loca	al relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: -77.583781	Long: <u>42.391105</u> Datum: <u>WGS 84</u>
Soil Map Unit Name: Volusia channery silt loam, 8 to 15 percent slope	NWI classification: PEM
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 Hydrologysignificantly distu	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sar	npling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	X	No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland CC
Hydric Soil Present?	Yes	X	No	
Wetland Hydrology Present?	Yes	X	No	
Remarks: (Explain alternative procedures	s here or i	n a se	parate report.)	

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

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1. Betula populifolia	25	Yes	FAC	Number of Dominant Species
2. Acer rubrum	15	Yes	FAC	That Are OBL, FACW, or FAC: <u>6</u> (A)
3. Fraxinus americana	15	Yes	FACU	Total Number of Dominant
4. Betula alleghaniensis	15	Yes	FAC	Species Across All Strata: 7 (B)
 <u>Carpinus caroliniana</u> 6. 	5	No	FAC	Percent of Dominant Species That Are OBL, FACW, or FAC: 85.7% (A/B)
7.				Prevalence Index worksheet:
	75	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Carpinus caroliniana	15	Yes	FAC	FACW species 30 x 2 = 60
2. Acer rubrum	15	Yes	FAC	FAC species 90 x 3 = 270
3.				FACU species 15 x 4 = 60
4.				UPL species 0 x 5 = 0
5.				Column Totals: 135 (A) 390 (B)
6.				Prevalence Index = $B/A = 2.89$
7.				Hydrophytic Vegetation Indicators:
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	30	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2.				4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				
6 6				Indicators of hydric soil and wetland hydrology must
7				Definitions of Vagetation Strate:
8				Definitions of Vegetation Strata.
0				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
10				and greater than of equal to 3.26 it (1 iii) tail.
12.		Tatal Causer		Herb – All herbaceous (non-woody) plants, regardless
Westheld's a Obstance (Distained and a Obstance)	30	= 1 otal Cover		of size, and woody plants less than 3.28 it tall.
<u>woody vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				Hydrophytic
3				Vegetation
4.				Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

lor (moist) % 0YR 2/2 100 N 6/ 50	Color (moist) 7.5YR 5/8	30	Type ¹ C	Loc ²	Texture Loamy/Clayey Loamy/Clayey	Remarks
0YR 2/2 100 N 6/ 50	7.5YR 5/8	30	C	М	Loamy/Clayey	
N 6/ 50	7.5YR 5/8	30		М	Loamy/Clayey	
ation D=Depletion [RM=Reduced Matrix N	MS=Masl	ed Sand	Grains	² Location: PL=Po	re Lining M=Matrix
rs:				- or cannot	Indicators for Pro	oblematic Hydric Soils ³ :
	Polyvalue Belo	ow Surfac	ce (S8) (I	LRR R,	2 cm Muck (A	10) (LRR K, L, MLRA 149B)
(A2)	MLRA 149B	6)			Coast Prairie	Redox (A16) (LRR K, L, R)
)	Thin Dark Sur	face (S9)	(LRR R	, MLRA 1	49B) 5 cm Mucky F	Peat or Peat (S3) (LRR K, L, R)
e (A4)	High Chroma	Sands (S	11) (LR F	R K, L)	Polyvalue Bel	ow Surface (S8) (LRR K, L)
(A5)	Loamy Mucky	Mineral ((F1) (LRI	R K, L)	Thin Dark Sur	face (S9) (LRR K, L)
Dark Surface (A11)	x Loamy Gleved	Matrix (I	F2)		Iron-Mangane	se Masses (F12) (LRR K, L, R)
ace (A12)	Depleted Matr	ix (E3)	,		Piedmont Flor	odolain Soils (F19) (MI RA 149
ineral (S1)		urface (F	6)		Mesic Spodic	(TA6) (MI RA 144A 145 149B
latrix (S4)	Depleted Dark	Surface	(F7)		Nedle Opedie Red Parent M	(17.0) (merce 1444, 140, 140
allix (34)			(F7) 2)			
5)	Redox Depres		3)			Dark Surface (F22)
<u>(</u> S6)	Marl (F10) (LR	R K, L)			Other (Explain	n in Remarks)
7)						
hytic vegetation and	l wetland hydrology m	ust be pr	esent, ur	nless dist	urbed or problematic.	
i observed):						
					Hydric Soil Present?	Yes X No
					-	
	ation, D=Depletion, F ors: (A2)) e (A4) ; (A5) Dark Surface (A11) ace (A12) ineral (S1) fatrix (S4) ;5) (S6) 7) whytic vegetation and f observed): N/A	ation, D=Depletion, RM=Reduced Matrix, Nors: (A2) (A2) Thin Dark Surface (A1) (A5) Dark Surface (A11) x Loamy Mucky Dark Surface (A11) x Loamy Gleyed ace (A12) Depleted Matrix ineral (S1) Redox Dark Si Matrix (S4) Depleted Dark (S6) Marl (F10) (LR 7) N/A	ation, D=Depletion, RM=Reduced Matrix, MS=Masl ors: (A2) NLRA 149B)) (A1) (A2) Thin Dark Surface (S9) (A2) (A2) Thin Dark Surface (S9) (A2) Dark Surface (A11) X Loamy Mucky Mineral (S1) Dark Surface (A11) X Loamy Gleyed Matrix (F3) ineral (S1) Redox Dark Surface (F Matrix (S4) Depleted Dark Surface (F (S6) Marl (F10) (LRR K, L) 7) Marl (F10) (LRR K, L) whytic vegetation and wetland hydrology must be pr f observed): N/A	ation, D=Depletion, RM=Reduced Matrix, MS=Masked Sance ors: (A2) (A2) Dark Surface (S9) (A4) High Chroma Sands (S11) (A5) Loamy Mucky Mineral (F1) Dark Surface (A11) x Loamy Gleyed Matrix (F2) Depleted Matrix (F3) ineral (S1) Redox Dark Surface (F6) Matrix (S4) Depleted Dark Surface (F7) (S6) Marl (F10) (LRR K, L) 7)	ation, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ors: Polyvalue Below Surface (S8) (LRR R, MLRA 149B))	ation, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Po ors: Indicators for Pro (A2) MLRA 149B) Coast Prairie) Thin Dark Surface (S9) (LRR R, MLRA 149B) S cm Muck (A (A2) MLRA 149B) Coast Prairie) Thin Dark Surface (S9) (LRR R, MLRA 149B) S cm Muck P (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below (A5) Loamy Gleyed Matrix (F2) Iron-Mangane ace (A12) Depleted Matrix (F3) Piedmont Floor ineral (S1) Redox Dark Surface (F6) Mesic Spodic (S6) Marl (F10) (LRR K, L) Other (Explain 7) Marl (F10) (LRR K, L) Other (Explain 7) Marl (F10) (LRR K, L) Other (Explain 7) M/A Hydric Soil Present?

Stream Inventory

Observer:		Pro	oject I	nformation:	
Name: $VZ + R$	2F	Nar	ne: B	aron Wind Project	
Weather: 60F Cle	oudy	Nu	mber:	13039 Date:	10/19/2016
Stream Name:	Stream EE				
Stream Location (neare	st road, structure, etc.) :	North of Back Street, We	est of T 9	1	
Adjacent Community:	Upland Deciduous For	rest			
Stream Gradient - gen - mo - ste	tle oderate rep				
Bank Width: 10-15	5'				
Stream Width:5-6'					
Water Depth: 0					
Substrate: - Bed Ro - Bould - Cobbl - Grave - Sand - Silt - Clay	ock er X e X 1 X X				
Instream Cover: - Ur - O - La - D - O	ndercut bank verhanging vegetation ogs/woody debris eep pools ther	X X X			
Flow: - Permanent - Intermittent	X				
Photo # Flag #'s Stream	EE				
Additional Comments:	<u>Stream flows south and</u>	d bisects study area. In ravine v	vith stee	p banks. NYSDEC Cla	ss C unprotected
Environ	mental Design & Research	h			

Project/Site: Baron W	inds Project		City/County: St	euben County	Samp	ling Date:	10/19/2016
Applicant/Owner: E	Everpower Wind Holdings, Ir	1C.		State:	NY San	npling Point	t: 1W @ Wet GG
Investigator(s): RF, VZ	<u></u>		Section	n, Township, Range: <u>T</u>	own of Fremc	ont	
Landform (hillside, terra	ace, etc.): Flat		Local relief (concave, c	convex, none): <u>Concav</u>	/e	Slope	ə %: <u>1</u>
Subregion (LRR or MLF	₹A): LRR R, MLRA 140	Lat: <u>-77.5803</u>	<u>03</u> L	.ong: 42.386469	<u> </u>	Datum:	WGS 84
Soil Map Unit Name: (Chippewa channery silt loam	<u>i</u>		NWI classifi	cation: PEM	1	
Are climatic / hydrologic	c conditions on the site typica	al for this time c	of year? Yes	X No	(If no, explain	in Remark	s.)
Are Vegetation,	, Soil, or Hydrology	significar	Itly disturbed? Are '	'Normal Circumstance	s" present?	Yes X	No
Are Vegetation,	, Soil, or Hydrology _	naturally	problematic? (If ne	əeded, explain any ans	wers in Rema	arks.)	
	NDINGS – Attach site	map showir	ng sampling point l	ocations, transec	ts, importa	ant featu	res, etc.
Hydrophytic Vegetatior	n Present? Yes	X No	Is the Sampl	ed Area			

Hydric Soil Present?	Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present?	Yes X No	If yes, optional Wetland Site ID: Wetland GG
Remarks: (Explain alternative procedu	ures here or in a separate report.)	

Wetland Hydrology Indicators:					Secondary Indicators (min	nimum of two required)		
Primary Indicators (minimum of one is required; check all that apply)					Surface Soil Cracks (B6)			
Surface Water (A1) Water-Stained Leaves (B9)				Drainage Patterns (B1	Drainage Patterns (B10)			
High Water Table (A2)	Vater Table (A2) Aquatic Fauna (B13)				Moss Trim Lines (B16	5)		
Saturation (A3)		Marl Deposits (B15)			Dry-Season Water Ta	ble (C2)		
Water Marks (B1)		Hydrogen Sulf	Hydrogen Sulfide Odor (C1))		
Sediment Deposits (B2)	1	X Oxidized Rhize	ospheres on Living Root	ts (C3)	Saturation Visible on A	Aerial Imagery (C9)		
Drift Deposits (B3)		X Presence of R	educed Iron (C4)		Stunted or Stressed F	Plants (D1)		
Algal Mat or Crust (B4)		Recent Iron Re	eduction in Tilled Soils ((C6)	Geomorphic Position	(D2)		
Iron Deposits (B5)		Thin Muck Sur	face (C7)		Shallow Aquitard (D3))		
Inundation Visible on A	erial Imagery (B7)	Other (Explain	in Remarks)		Microtopographic Reli	ief (D4)		
Sparsely Vegetated Cor	ncave Surface (B	8)			FAC-Neutral Test (D5	5)		
Field Observations:								
Surface Water Present?	Yes	No X Depth	n (inches):					
Water Table Present?	Yes	No X Depth	n (inches):					
Saturation Present?	Yes	No X Depth	n (inches):	Wetlan	d Hydrology Present?	Yes X No		
(includes capillary fringe)			(includes capillary fillinge) Describe Recorded Data (stream dauge, monitoring well, perial photos, previous inspections), if available:					
(includes capillary fringe) Describe Recorded Data (st	ream gauge, mor	nitoring well, aerial p	hotos, previous inspecti	ions), if a	available:			
(includes capillary fringe) Describe Recorded Data (st	ream gauge, mor	nitoring well, aerial p	hotos, previous inspect	ions), if a	available:			
(includes capillary fringe) Describe Recorded Data (st	ream gauge, mor	itoring well, aerial p	hotos, previous inspecti	ions), if a	available:			
(includes capillary fringe) Describe Recorded Data (st Remarks:	ream gauge, mor	itoring well, aerial p	hotos, previous inspecti	ions), if a	available:			
(includes capillary fringe) Describe Recorded Data (st Remarks: Wetland receives water from	ream gauge, mor	iitoring well, aerial p ge and adjacent agr	hotos, previous inspecti	ions), if a	available:			
(includes capillary fringe) Describe Recorded Data (st Remarks: Wetland receives water from	ream gauge, mor	iitoring well, aerial p ge and adjacent agr	hotos, previous inspecti	ions), if a	available:			
(includes capillary fringe) Describe Recorded Data (st Remarks: Wetland receives water from	ream gauge, mor	iitoring well, aerial p ge and adjacent agr	hotos, previous inspecti	ions), if a	available:			
(includes capillary fringe) Describe Recorded Data (st Remarks: Wetland receives water from	ream gauge, mor	itoring well, aerial p ge and adjacent agr	hotos, previous inspecti icultural lands.	ions), if a	available:			
(includes capillary fringe) Describe Recorded Data (st Remarks: Wetland receives water from	ream gauge, mor	itoring well, aerial p ge and adjacent agr	hotos, previous inspecti	ions), if a	available:			
(includes capillary fringe) Describe Recorded Data (st Remarks: Wetland receives water from	ream gauge, mor	iitoring well, aerial p ge and adjacent agr	hotos, previous inspecti	ions), if a	available:			
(includes capillary fringe) Describe Recorded Data (st Remarks: Wetland receives water from	ream gauge, mor ז roadside draina	iitoring well, aerial p ge and adjacent agr	hotos, previous inspecti	ions), if a	available:			
(includes capillary fringe) Describe Recorded Data (st Remarks: Wetland receives water from	ream gauge, mor	iitoring well, aerial p ge and adjacent agr	hotos, previous inspecti	ions), if a	available:			

Sampling Point: 1W @ Wet GG

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =0
1				FACW species 55 x 2 = 110
2.				FAC species 20 x 3 = 60
3.				FACU species $0 x 4 = 0$
4.				UPL species $0 \times 5 = 0$
5				Column Totals: 75 (A) 170 (B)
6				$\frac{1}{2} = \frac{1}{2} = \frac{1}$
7				Hydrophytic Vegetation Indicators:
···				1 Papid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				$\frac{X}{2}$ - Dominance Test is >50%
1. Epilobium ciliatum	30	Yes	FACW	$\frac{X}{2}$ 3 - Prevalence Index is $\leq 3.0^{\circ}$
2. <u>Solidago</u>	25	Yes	FACW	4 - Morphological Adaptations' (Provide supporting
3. Symphyotrichum puniceum	10	No	FAC	data in itemarks of on a separate sheety
4. Eutrochium purpureum	10	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Or the determine We are related to a three 0 in DDU
11.				and greater than or equal to 3.28 ft (1 m) tall.
12				
		-Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3 28 ft tall
Woody Vine Stratum (Plot size: 30)				
(riot size. <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in
·				neight.
2.				Hydrophytic
3				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	cription: (Describe	to the de	pth needed to docu	ument t	he indica	ator or co	onfirm the absence of	of indicators.)
(inches)	Color (moist)	%	Color (moist)	x r eatur %	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 4/2	95	5YR 3/4	2	С	PL/M	Loamy/Clayey	Organic Matter
			7.5YR 5/6	3	С	PL/M		Prominent redox concentrations
¹ Type: C=Co	oncentration, D=Dep	letion, RN	A=Reduced Matrix, N	IS=Mas	ked Sand	d Grains.	² Location: F	PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators f	or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (l	LRR R,	2 cm M	uck (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B)			Coast P	Prairie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surf	ace (S9)) (LRR R	, MLRA 1	1 49B) 5 cm M	ucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalu	ue Below Surface (S8) (LRR K, L)
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Ma	nganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		X Depleted Matri	x (F3)			Piedmo	nt Floodplain Soils (F19) (MLRA 149B)
 Sandv M	luckv Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leved Matrix (S4)		Depleted Dark	Surface	· (F7)		Red Par	rent Material (F21)
Candy C			Depicted Bark	ione (E	, (i <i>i)</i>			
					0)			
Dark Su	rface (S7)		Mari (F10) (LR	R K, L)				-xplain in Remarks)
³ Indicators of	f hydrophytic vegetat	tion and v	vetland hydrology mu	ust be pr	resent, ur	nless dist	urbed or problematic.	
Restrictive I	Layer (if observed):							
Type:	N//	4						
Depth (ir	nches):	5					Hydric Soil Prese	nt? Yes X No
Remarks: This data for Version 7.0.	m is revised from No 2015 Errata, (http://v	orthcentra	I and Northeast Reg	ional Su	pplemen	t Version S/nrcs14	2.0 to include the NR 2p2_051293.docx)	CS Field Indicators of Hydric Soils,

Project/Site: Baron Wir	nds Project	City/County: Steuben County	Sampling Date: 10/19/2016
Applicant/Owner: Ev	verpower Wind Holdings, Inc.		State: NY Sampling Point: 1U @ Wet GG
Investigator(s): RF, VZ		Section, Township, Ra	ange: Town of Fremont
Landform (hillside, terrac	e, etc.): Hillslope I	_ocal relief (concave, convex, none):	10ne Slope %: 2
Subregion (LRR or MLRA	A): LRR R, MLRA 140 Lat: -77.580212	Long: 42.48654	A Datum: WGS 84
Soil Map Unit Name: ch	ippewa channery silt loam	NWI	classification: none
Are climatic / hydrologic	conditions on the site typical for this time of ye	ear? Yes X No	(If no, explain in Remarks.)
Are Vegetation,	Soil, or Hydrologysignificantly	disturbed? Are "Normal Circum	stances" present? Yes X No
Are Vegetation,	Soil, or Hydrologynaturally pro	blematic? (If needed, explain a	any answers in Remarks.)
SUMMARY OF FIN	DINGS – Attach site map showing	sampling point locations, tra	ansects, 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

	ors:				Secondary Indicators (min	imum of two required)	
Primary Indicators (minimum	of one is require	Surface Soil Cracks (B6)					
Surface Water (A1) Water-Stained Leaves (B9)				Drainage Patterns (B1	10)		
High Water Table (A2) Aquatic Fauna (B13)					Moss Trim Lines (B16	5)	
Saturation (A3)	Saturation (A3) Marl Deposits (B15)				Dry-Season Water Ta	ble (C2)	
Water Marks (B1)	(s (B1) Hydrogen Sulfide Odor (C1)			Crayfish Burrows (C8))		
Sediment Deposits (B2)	(B2) Oxidized Rhizospheres on Living Roots (C3)			Saturation Visible on A	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)		Presen	ce of Reduced Iron (C4)		Stunted or Stressed P	Plants (D1)	
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled Soi	ls (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3)	1	
Inundation Visible on Ae	rial Imagery (B7)) Other (Explain in Remarks)		Microtopographic Reli	ef (D4)	
Sparsely Vegetated Con	icave Surface (B	8)			FAC-Neutral Test (D5)	
Field Observations:							
Surface Water Present?	Yes	No X	Depth (inches):				
Water Table Present?	Yes	No X	Depth (inches):				
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	d Hydrology Present?	Yes No X	
(includes capillary fringe)			,				
Describe Recorded Data (str	eam gauge, mor	nitoring well,	aerial photos, previous inspe	ections), if	available:		
		•					
Remarks:							
Remarks:							
Remarks:							
Remarks:							
Remarks:							
Remarks:							
Remarks:							
Remarks:							
Remarks:							
Remarks:							

Sampling Point: 1U @ Wet GG

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1. Populus tremuloides	40	Yes	FACU	Number of Dominant Species
2. <u>Malus sp</u>	10	Yes	FACU	That Are OBL, FACW, or FAC:(A)
3				Total Number of Dominant
4				Species Across All Strata: 5 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC:(A/B)
7.				Prevalence Index worksheet:
	50	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species $0 x 1 = 0$
1. Cornus racemosa	10	Yes	FAC	FACW species 5 $x 2 = 10$
2. Lonicera morrowii	10	Yes	FACU	FAC species $30 \times 3 = 90$
3.		·		FACU species $105 \times 4 = 420$
4		·		$\frac{112}{112} \text{ species } 0 \text{ species } 0$
5				$\begin{array}{c} column Totals: 140 (A) 520 (B) \end{array}$
· · · · · · · · · · · · · · · · · · ·		·		$\frac{1}{100} \frac{1}{100} \frac{1}$
0		<u> </u>		Prevalence index = B/A =
/				Hydrophytic vegetation indicators:
	20	= I otal Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Canadian Goldenrod	45	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Cornus racemosa	10	No	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Wild Strawberry	10	No	FAC	data in Remarks or on a separate sheet)
4. Fraxinus pennsylvanica	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree Woody plants 3 in (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.		·		
11.				and greater than or equal to 3.28 ft (1 m) tall.
12		·		
	70	-Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall
Woody Vine Stratum (Plot size: 20)				
(1 lot size)				Woody vines – All woody vines greater than 3.28 ft in
		·		neight.
2				Hydrophytic
3		·		Vegetation
4		·		Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument tl	he indica	tor or co	onfirm the absence of indi	cators.)			
Depth Matrix Redox Features											
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
0-6	10YR 4/3	100					Loamy/Clavey				
							Louiny, olayoy				
·											
¹ Type: C=Co	oncentration, D=Dep	letion, RN	A=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.	² Location: PL=Po	re Lining, M=Matrix.			
Hydric Soil I	ndicators:						Indicators for Pro	oblematic Hydric Soils ³ :			
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck (A	10) (LRR K, L, MLRA 149B)			
Histic Ep	ipedon (A2)		MLRA 149B)			Coast Prairie	Redox (A16) (LRR K, L, R)			
Black His	stic (A3)		Thin Dark Surf	ace (S9)) (LRR R	, MLRA 1	149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)				
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue Below Surface (S8) (LRR K, L)				
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark Sur	face (S9) (LRR K, L)			
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mangane	ese Masses (F12) (LRR K, L, R)			
Thick Da	rk Surface (A12)	. ,	Depleted Matri	x (F3)			Piedmont Flo	odplain Soils (F19) (MLRA 149B)			
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Spodic	(TA6) (MLRA 144A, 145, 149B)			
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent M	laterial (F21)			
Sandy R	edox (S5)		Redox Depress	sions (Fa	8)		Very Shallow Dark Surface (F22)				
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)	,		Other (Explain in Remarks)				
Dark Sur	face (S7)			, ,				,			
	()										
³ Indicators of	hvdrophytic vegetat	tion and v	vetland hydrology mu	ust be pr	esent. ur	nless dist	urbed or problematic.				
Restrictive I	aver (if observed):		, , , , , , , , , , , , , , , , , , , ,								
Type:	Roc	ks									
Dopth (ir	choc):	6					Hydric Soil Procont?	Yas No Y			
Deptil (il		0					nyunc son Fresent?				
Remarks:											
This data for	m is revised from No	orthcentra	I and Northeast Reg	ional Su	pplement	t Version	2.0 to include the NRCS Fi	eld Indicators of Hydric Soils,			
version 7.0,	2015 Enala. (http://v	ww.nics	usua.gov/internet/F3			5/nics14	2p2_051293.docx)				

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/19/2016
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet HH
Investigator(s): RF, VZ	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Flat/undulating	Local relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: -77.579315	Long: <u>42.381294</u> Datum: <u>WGS 84</u>
Soil Map Unit Name: Mardin channery list loam, 2 to 8 percent slope	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of	rear? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly	disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally pr	oblematic? (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 X	No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland HH
Hydric Soil Present?	Yes X	No	
Wetland Hydrology Present?	Yes X	No	
Remarks: (Explain alternative procedur	es here or in a s	eparate report.)	

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)					
Surface Water (A1)	Drainage Patterns (B10)					
High Water Table (A2)		Moss Trim Lines (B16)				
X Saturation (A3)	Dry-Season Water Table (C2)					
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)	X Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7	Other (Explain in Remarks)		Microtopographic Relief (D4)			
X Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes X	No Depth (inches): 12					
		and Hydrology Present? Yes X No				
Saturation Present? Yes X	No Depth (inches):0	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches):0	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): nitoring well, aerial photos, previous inspe	Wetlan ctions), if a	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor	No Depth (inches): nitoring well, aerial photos, previous inspe	Wetlan ctions), if a	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor	No Depth (inches):0	Wetlan ctions), if a	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches):0	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mod Remarks: Portions of wetland are within man made swa	No Depth (inches):0	Wetlan ctions), if a	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): nitoring well, aerial photos, previous inspe	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, more Remarks: Portions of wetland are within man made swale	No Depth (inches):0 nitoring well, aerial photos, previous inspe	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, modes) Remarks: Portions of wetland are within man made swale	No Depth (inches):0	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks: Portions of wetland are within man made swa	No Depth (inches):0 hitoring well, aerial photos, previous inspe ale.	Wetlan ctions), if a	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mod Remarks: Portions of wetland are within man made swa	No Depth (inches):0 nitoring well, aerial photos, previous inspe	Wetlan ctions), if a	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks: Portions of wetland are within man made swa	No Depth (inches):0 nitoring well, aerial photos, previous inspe	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks: Portions of wetland are within man made swa	No Depth (inches):0 nitoring well, aerial photos, previous inspe	Wetlan ctions), if a	d Hydrology Present? Yes X No			

Sampling Point: 1W @ Wet HH

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 10 x 1 = 10
1				FACW species20 x 2 =40
2.				FAC species $0 \times 3 = 0$
3.				FACU species $0 x 4 = 0$
4.			,	UPL species $0 \times 5 = 0$
5.				Column Totals: 30 (A) 50 (B)
·				$\frac{B}{B} = \frac{B}{A} = \frac{167}{B}$
7				
/		Tatal Causer		Denid Test for Undershutie Verstation
		= I olar Cover		
Herb Stratum (Plot size: 5)				$\frac{X}{2}$ - Dominance Test is >50%
1. Impatiens capensis	20	Yes	FACW	X 3 - Prevalence Index is ≤3.0
Onoclea sensibilis	10	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5			·	
3			·	¹ Indicators of hydric soil and wetland hydrology must
б				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Senting (shuth Wood), plants loss than 2 in DDU
11				and greater than or equal to 3.28 ft (1 m) tall.
12			. <u> </u>	Herb – All herbaceous (non-woody) plants, regardless
	30	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in
1				neight.
2				Hydrophytic
3				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ument ti	he indica	tor or co	onfirm the absence of i	ndicators.)			
Depth	oth Matrix Redox Features										
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
0-14	10YR 3/1	75	5YR 3/4	25	С	PL/M	Loamy/Clayey				
14-18	5YR 5/1	95	5YR 5/8	5	C	M	Loamy/Clayey	Prominent redox concentrations			
¹ Type: C=Co	ncentration, D=Dep	letion, RM	=Reduced Matrix, N	1S=Mas	ked Sand	Grains.	² Location: PL=	Pore Lining, M=Matrix.			
Histosol Histic Ep Black His Hydroger Stratified Depleted Thick Da Sandy M Sandy G Sandy Re Stripped Dark Sur	(A1) ipedon (A2) stic (A3) n Sulfide (A4) Layers (A5) Below Dark Surface rk Surface (A12) ucky Mineral (S1) leyed Matrix (S4) edox (S5) Matrix (S6) face (S7) hydrophytic vegetat	e (A11) tion and w	Polyvalue Belo MLRA 149B; Thin Dark Surfa High Chroma S Loamy Mucky I Loamy Gleyed Depleted Matrix X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	w Surfar) ace (S9) Sands (S Mineral / Matrix (x (F3) urface (F Surface sions (F R K, L) ust be pr	ce (S8) (I) (LRR R S11) (LRF (F1) (LRF (F1) (LRF (F1) (LRF (F7) 8)	LRR R, , MLRA 1 R K, L) R K, L)	Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 1498 Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L) Piedmont Floodplain Soils (F19) (MLRA 1 Mesic Spodic (TA6) (MLRA 144A, 145, 14 Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks)				
Restrictive L	ayer (if observed):										
Type: Depth (in	ches):						Hydric Soil Present	? Yes <u>X</u> No			
Remarks: This data forr Version 7.0, 2	n is revised from Nc 2015 Errata. (http://v	orthcentral	and Northeast Regi usda.gov/Internet/FS	ional Su SE_DOC	pplemen	Version S/nrcs14	2.0 to include the NRCS 2p2_051293.docx)	Field Indicators of Hydric Soils,			

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/19/2016
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet HH
Investigator(s): RF, VZ	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Hillslope Loca	al relief (concave, convex, none): none Slope %: 2
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: -77.579265	Long: <u>42.381469</u> Datum: <u>WGS 84</u>
Soil Map Unit Name: Mardin channery silt loam, 2 to 8 percent slope	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 Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes NoX If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

Wetland Hydrology Indica	itors:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimu	m of one is requ	Surface Soil Cracks (I	B6)				
Surface Water (A1)			Drainage Patterns (B10)				
High Water Table (A2)		Moss Trim Lines (B16)					
Saturation (A3)		Dry-Season Water Ta	ble (C2)				
Water Marks (B1)		Crayfish Burrows (C8))				
Sediment Deposits (B2)	Oxidize	d Rhizospheres on Living	Roots (C3)	Saturation Visible on	Aerial Imagery (C9)	
Drift Deposits (B3)		Presen	ce of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)	
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled S	oils (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3))	
Inundation Visible on A	erial Imagery (E	37) Other (Explain in Remarks)		Microtopographic Reli	ief (D4)	
Sparsely Vegetated Co	ncave Surface	(B8)			FAC-Neutral Test (D5	i)	
Field Observations:							
Surface Water Present?	Yes	No X	Depth (inches):				
Water Table Present?	Yes	No X	Depth (inches):				
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X	
(includes capillary fringe)							
Describe Recorded Data (s	tream gauge, m	nonitoring well,	aerial photos, previous ins	spections), if	available:		
Demoder							
Remarks.							

Sampling Point: 1U @ Wet HH

Trace Otrature (Dist size) 20	Absolute	Dominant	Indicator	Deminence Test worksheet
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance lest worksneet:
1. Fagus granditolia	/5	Yes	FACU	Number of Dominant Species
2. Isuga canadensis	20	No	FACU	That Are OBL, FACW, or FAC: 0 (A)
3. Acer saccharum 4.	15	No	FACU	Total Number of Dominant Species Across All Strata: <u>5</u> (B)
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
	110	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Fagus grandifolia	10	Yes	FACU	FACW species $0 x 2 = 0$
2. Tsuga canadensis	10	Yes	FACU	FAC species 0 x 3 = 0
3.		·		FACU species $140 \times 4 = 560$
4.		·		UPL species $0 \times 5 = 0$
5.				Column Totals: 140 (A) 560 (B)
6.				Prevalence Index = $B/A = 4.00$
7.				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Polystichum acrostichoides	5	Yes	FACU	$3 - Prevalence Index is \leq 3.0^{1}$
2 Dryopteris marginalis	5	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				
6				Indicators of hydric soil and wetland hydrology must
7				Definitions of Vegetation Strata:
8				
o				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH) regardless of height
3				diameter at breast height (DDH), regardless of height.
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	10	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3				Hydrophytic
а				Vegetation Present? Yes No X
		-Total Cover		
Demarka, (Include abete numbere bare er en e enne	roto oboot)			
Remarks. (Include photo humbers here of on a sepa	rate sneet.)			

Depth Color (0-14 10YF	Matrix noist) % 4/3 100	Redox Color (moist)	Features % Type	Loc ²	Texture	Remarks			
(inches) Color (0-14 10YF	noist) <u>%</u> 4/3 100 	Color (moist)	<u>%</u> <u>Type</u>	<u>Loc²</u>	Texture	Remarks			
0-14 10YF	<u>4/3</u> <u>100</u>	·	 		Loamy/Clayey				
		·	 	·					
		· ·	 	·					
		·		·					
		·							
	·	·							
	·								
		·							
	·								
	·				·				
1				·	2				
'Type: C=Concentration	, D=Depletion, RM	=Reduced Matrix, MS	S=Masked Sai	nd Grains.	² Location: PL=Por	e Lining, M=Matrix.			
Hydric Soil Indicators:			o ((oo)		Indicators for Problematic Hydric Soils ³ :				
Histosol (A1)		Polyvalue Below	Surface (S8)	(LRR R,	2 CITI MUCK (ATU) (LKK K, L, MLKA 149B)				
Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (I									
Black Histic (A3)		Thin Dark Surfac	ce (S9) (LRR	R, MLRA 149	9B) 5 cm Mucky Pe	eat or Peat (S3) (LRR K, L, R)			
Hydrogen Sulfide (A	4)	High Chroma Sa	ands (S11) (LF	RRK,L)	Polyvalue Belo	w Surface (S8) (LRR K, L)			
Stratified Layers (At)	Loamy Mucky M	lineral (F1) (LI	RR K, L)	Thin Dark Surf	ace (S9) (LRR K, L)			
Depleted Below Dar	k Surface (A11)	Loamy Gleyed N	Aatrix (F2)			e Masses (F12) (LRR K, L, R)			
Thick Dark Surface	A12)	Depleted Matrix	(F3) (F3)		Piedmont Floo	dplain Soils (F19) (MLRA 1498			
Sandy Mucky Miner	al (S1)	Redox Dark Surf	face (F6)		Mesic Spodic (A6) (MLRA 144A, 145, 149B)			
Sandy Gleyed Matri	(S4)	Depleted Dark S	Surface (F7)		Red Parent Ma	aterial (F21)			
Sandy Redox (S5)		Redox Depression	ons (F8)		Very Shallow Dark Surface (F22)				
Stripped Matrix (S6)		Marl (F10) (LRR	K, L)		Other (Explain in Remarks)				
Dark Surface (S7)									
3									
Indicators of hydrophyti	c vegetation and we	etland hydrology mus	t be present,	unless disturl	bed or problematic.				
Restrictive Layer (if ob	served):								
Type:									
Depth (inches):					Hydric Soil Present?	Yes No_X_			

Stream Inventory

Observer: Name:	VZ + RF							Proj Name	ect	Info Baron	orm n Wi	nd Pi	n: roiect		
Weather:	70F Cloue	dy	_					Numl	ber:		1	.3039	Date:	10/	/19/2016
Stream Na	me:	Stream HH													
Stream Locatic	on (nearest	road, structu	re, etc.) :		West	t of Ro	se Hill I	Road							
Adjacent Com	munity:	Upland Bee	ech Forest												
Stream Gradie	nt - gentle - mode - steep	erate	X												
Bank Width:	7'	_													
Stream Width:	3'	_													
Water Depth:	0	_													
Substrate: - - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	x x x	- - - - -												
Instream Cove	er: - Unde - Ove - Logs - Deep - Othe	ercut bank rhanging veg s/woody deb o pools er	getation pris	X X X	-										
Flow: - Perr - Inte	manent ermittent	x													
Photo # Flag #'s	Stream H	Н													
Additional Co	mments: _	<u>Flows nortl</u>	nwest conne	ecting	with	wetla	nd HH								

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/19/2016								
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet II								
Investigator(s): RF, VZ Section, Township, Range: Town of Fremont									
Landform (hillside, terrace, etc.): Hillslope/Terrace Loc	cal relief (concave, convex, none): concave Slope %: 2								
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: -77.565666	Long: <u>42.394215</u> Datum: WGS 84								
Soil Map Unit Name: Fremont silt loam, 2 to 8 percent slope	NWI classification: PEM								
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 Hydrologysignificantly dis	sturbed? Are "Normal Circumstances" present? Yes X No								
Are Vegetation, Soil, or Hydrologynaturally proble	ematic? (If needed, explain any answers in Remarks.)								
SUMMARY OF FINDINGS – Attach site map showing sa	ampling point locations, transects, important features, etc.								

Hydrophytic Vegetation Present?	Yes	X	No	Is the Sampled Area	
Hydric Soil Present?	Yes	Х	No	within a Wetland? Yes X No	
Wetland Hydrology Present?	Yes	Х	No	If yes, optional Wetland Site ID: Wetland II	
Remarks: (Explain alternative procedures	here or	in a se	parate report.)		

Wettand Hydrology maleators.		Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; check all that apply	Surface Soil Cracks (B6)			
X Surface Water (A1) X Water-Stained L	eaves (B9)	X Drainage Patterns (B10)		
High Water Table (A2) Aquatic Fauna (B	313)	Moss Trim Lines (B16)		
X Saturation (A3) Marl Deposits (B	15)	Dry-Season Water Table (C2)		
Water Marks (B1) Hydrogen Sulfide	e Odor (C1)	Crayfish Burrows (C8)		
Sediment Deposits (B2) X Oxidized Rhizos	pheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3) Presence of Red	luced Iron (C4)	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4) Recent Iron Red	uction in Tilled Soils (C6)	X Geomorphic Position (D2)		
Iron Deposits (B5) Thin Muck Surfa	ce (C7)	Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in	Remarks)	Microtopographic Relief (D4)		
X Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D5)		
Field Observations:				
Surface Water Present? Yes X No Depth (inches): 6			
Water Table Present? Yes X No Depth (inches): 8			
Saturation Present? Yes X No Depth (d Hydrology Present? Yes X No			
Saturation Present? Yes X No Depth ((includes capillary fringe)	inches): 0 Wetland	d Hydrology Present? Yes X No		
Saturation Present? Yes X No Depth ((includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho	otos, previous inspections), if a	d Hydrology Present? Yes X No No vailable:		
Saturation Present? Yes X No Depth ((includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho	otos, previous inspections), if a	vailable:		
Saturation Present? Yes X No Depth ((includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho	otos, previous inspections), if a	vailable:		
Saturation Present? Yes X No Depth ((includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho Remarks:	otos, previous inspections), if a	vailable:		
Saturation Present? Yes X No Depth ((includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho Remarks: Remarks:	otos, previous inspections), if a	vailable:		
Saturation Present? Yes X No Depth ((includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho Remarks:	otos, previous inspections), if a	vailable:		
Saturation Present? Yes <u>X</u> No Depth ((includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho Remarks:	otos, previous inspections), if a	vailable:		
Saturation Present? Yes <u>x</u> No Depth ((includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho Remarks:	otos, previous inspections), if a	vailable:		
Saturation Present? Yes <u>X</u> No Depth ((includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho Remarks:	otos, previous inspections), if a	vailable:		
Saturation Present? Yes <u>X</u> No Depth ((includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho Remarks:	otos, previous inspections), if a	vailable:		
Saturation Present? Yes <u>x</u> No Depth ((includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho Remarks:	otos, previous inspections), if a	vailable:		
Saturation Present? Yes <u>x</u> No Depth ((includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho Remarks:	otos, previous inspections), if a	vailable:		
Saturation Present? Yes <u>X</u> No Depth ((includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho Remarks:	otos, previous inspections), if a	vailable:		

Sampling Point: 1W @ Wet II

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3				Total Number of Dominant Species Across All Strata:2(B)
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 65 x 1 = 65
1.				FACW species 10 $x 2 = 20$
2.				FAC species 85 x 3 = 255
3.				FACU species $0 x 4 = 0$
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 160 (A) 340 (B)
6.				Prevalence Index = $B/A = 2.13$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
	60	Vos	FAC	X_{3} = Prevalence Index is <3.0 ¹
2 Typha angustifolia		Ves		4 - Morphological Adaptations ¹ (Provide supporting
		No		data in Remarks or on a separate sheet)
				Darble metic likelande die Mansterie 1 (Earleie)
4. Eutrochium purpureum		<u>N0</u>	FAC	Problematic Hydrophytic Vegetation (Explain)
5. Symphyotrichum puniceum	10	No	FACW	¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	160	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3 28 ft in
1				height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	tor or c	onfirm the absence of in	ndicators.)		
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-8	2.5Y 4/1	100					Loamy/Clayey			
8-18	N 5/	80					Mucky Loam/Clay	Gley 1 5/N		
	10Y 4/1	20						Glav 1 4/10Y		
		·								
		·								
		·								
¹ Type: C=Co	oncentration, D=Dep	letion, R	A=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	² Location: PL=	Pore Lining, M=Matrix.		
Hydric Soil	Indicators:						Indicators for	Problematic Hydric Soils ³ :		
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck	: (A10) (LRR K, L, MLRA 149B)		
Histic Ep	oipedon (A2)		MLRA 149B)			Coast Prai	rie Redox (A16) (LRR K, L, R)		
Black Hi	stic (A3)		Thin Dark Surf	ace (S9) (LRR R	MLRA	49B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)			
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue Below Surface (S8) (LRR K, L)			
Stratified	l Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark	Surface (S9) (LRR K, L)		
Depleted	Below Dark Surface	e (A11)	X Loamy Gleyed	Matrix (F2)		Iron-Manganese Masses (F12) (LRR K, L, R)			
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont F	Floodplain Soils (F19) (MLRA 149B)		
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic Spo	dic (TA6) (MLRA 144A, 145, 149B)		
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Paren	t Material (F21)		
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Shallow Dark Surface (F22)			
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in Remarks)			
Dark Su	face (S7)									
3										
Indicators of	nydropnytic vegetai	tion and v	vetiand hydrology mi	ust be pi	resent, ur	ness als	turbed or problematic.			
Type:	-ayer (if observed):	i								
Type.										
Depth (ir	nches):						Hydric Soil Present?	? Yes <u>X</u> No		
Remarks:										
This data for	m is revised from No	orthcentra	I and Northeast Reg	ional Su	pplemen	t Versior	1 2.0 to include the NRCS	Field Indicators of Hydric Soils,		
	2015 Enala. (http://v	www.mcs	.usua.yov/internet/F			5/11/05/14	i2p2_051295.000x)			

Project/Site: Ba	ron Winds	Project		City	/County: Steuber	n County		Sampling Date: 10/19/20		
Applicant/Owner:	Everp	ower Wind Holdings, I	nc.			State:	NY	Sampling Point	1U @ Wet II	
Investigator(s): RF, VZ Section, Township, Range: Town of Fremont										
Landform (hillside	e, terrace, e	tc.): Slight Hillslope		Local relief	f (concave, conve	k, none): <u>None</u>		Slope	%: <u>0-3</u>	
Subregion (LRR o	or MLRA):	LRR R, MLRA 140	Lat: -77.56	5607	Long:	42.394251		Datum:	WGS 84	
Soil Map Unit Nar	me: Frem	ont silt loam, 2 to 8 per	cent slope			NWI classi	fication:	none		
Are climatic / hyd	rologic con	ditions on the site typic	al for this tim	e of year?	Yes X	No	(If no, e	explain in Remarks	s.)	
Are Vegetation	, Soil	, or Hydrology	signific	cantly disturbed?	Are "Norm	al Circumstance	es" prese	ent? Yes X	No	
Are Vegetation	, Soil	, or Hydrology	natura	Ily problematic?	(If needed	, explain any an	swers in	Remarks.)		
SUMMARY O		IGS – Attach site	map show	ving samplir	ng point locati	ons, transed	cts, im	portant featu	res, etc.	

Hydrophytic Vegetation Present? Hydric Soil Present?	Yes Yes	No X No X	Is the Sampled Area within a Wetland? Yes No X
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative proced	ures here or in a	separate report.)	

Wetland Hydrology Indicate	ors:	Secondary Indicators (min	imum of two required)			
Primary Indicators (minimum	of one is requir	Surface Soil Cracks (B6)				
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B1	0)
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16)
Saturation (A3)		Marl De	eposits (B15)		Dry-Season Water Ta	ble (C2)
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8))
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on Living R	Roots (C3)	Saturation Visible on A	Aerial Imagery (C9)
Drift Deposits (B3)		Presen	ce of Reduced Iron (C4)		Stunted or Stressed P	Plants (D1)
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled Soi	ils (C6)	Geomorphic Position	(D2)
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Ae	rial Imagery (B7) Other (Explain in Remarks)		Microtopographic Reli	ef (D4)
Sparsely Vegetated Con	cave Surface (B	8)			FAC-Neutral Test (D5)
Field Observations:						
Surface Water Present?	Yes	No X	Depth (inches):			
Water Table Present?	Yes	No X	Depth (inches):			
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X
(includes capillary fringe)						
Describe Recorded Data (str	eam gauge, mo	nitoring well,	aerial photos, previous insp	ections), if	available:	
Remarks:						
Romano.						

Sampling Point: 1U @ Wet II

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.		·		Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)		'		OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2.				FAC species $0 \times 3 = 0$
3.				FACU species 50 x 4 = 200
4.				UPL species 40 x 5 = 200
5.		·		Column Totals: 90 (A) 400 (B)
6.				Prevalence Index = $B/A = 4.44$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Fragaria vesca	30	Yes	UPL	3 - Prevalence Index is $\leq 3.0^1$
2 Taraxacum officinale	30	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
2. Daucus carota	10	No.		data in Remarks or on a separate sheet)
A Diantara langalata	10	No		Problematic Hydrophytic Vegetation ¹ (Explain)
	10			
5. <u>Solidago</u>	10		FACU	¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	90	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			
	,			

SOIL	
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Profile Desc	Motrix	to the de	pth needed to doc	ument t	ne indica	itor or co	onfirm the absence of Ind	icators.)	
(inches)	Color (moist)	%	Color (moist)	% realur	Type ¹	\log^2	Texture	Rema	arks
0-12	10VR 4/1	100			1990			Rome	
12-16	10YR 5/2							Glev 1	5/N
12-10	1011 3/2	40					Loamy/Clayey	Gley I	5/IN
	5Y 6/3	47	7.5YR 5/8	5		_		Glay 1 4	4/10Y
		·					<u> </u>		
		·							
¹ Type: C=Co		letion RM		//S=Mas	ked Sand	Grains	² l ocation: Pl =P	ore Lining M=M	atrix
Hydric Soil I	Indicators:			10-111a0			Indicators for Pr	oblematic Hyd	ric Soils ³ :
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (I	LRR R,	2 cm Muck (A	10) (LRR K, L ,	MLRA 149B)
Histic Ep	bipedon (A2)			5)	()(,	Coast Prairie	Redox (A16) (L	RR K, L, R)
Black His	stic (A3)		Thin Dark Surf	, ace (S9) (LRR R	MLRA 1	49B) 5 cm Mucky	Peat or Peat (S3	3) (LRR K, L, R)
Hvdroge	n Sulfide (A4)		High Chroma	Sands (S	, (511) (LRF	, R K. L)	Polvvalue Be	low Surface (S8) (LRR K. L)
Stratified	Lavers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K. L)	Thin Dark Su	rface (S9) (LRR	K . L)
Depleter	Below Dark Surface	≏ (A11)	Loamy Gleved	Matrix ((F2)	,,	Iron-Mangan	se Masses (F1	2) (IRRKIR)
Thick Da	ark Surface (A12)	0 (7711)	Depleted Matri	iv (E3)	(12)		Riedmont Flo	odolain Soils (F	10) (MI PA 1/0R
Sandy M	lucky Mineral (S1)		Depicted Math	urface (F	6)		Mesic Spodic		10) (MERA 1498)
Sandy G	loved Matrix (S4)		Neutox Dark St	Surface (I	(E7)		Bod Parent M		144A, 145, 145D)
Sandy B	adax (SE)		Depieted Dark	oiono (E	; (F <i>T</i>) 0)			Dork Surface (
Salidy K	Motrix (S6)		Mort (E10) (LB		0)		Very Shallow	Dark Sunace (i	22)
Dark Sur	fface (S7)		Man (F10) (LR	ικ κ, L)				n in Kenlarks)	
³ Indicators of	f hydrophytic vegetat	tion and w	etland hydrology mi	ust be pi	resent, ur	less dist	urbed or problematic.		
Tupo:	Layer (if observed):								
Depth (ir	nches):						Hydric Soil Present?	Yes	<u>No X</u>
Remarks:									· · · ·
This data for Version 7.0,	m is revised from No 2015 Errata. (http://v	orthcentral www.nrcs.	and Northeast Reg usda.gov/Internet/F	ional Su SE_DO(ipplemen CUMENT	t Version S/nrcs14	2.0 to include the NRCS F 2p2_051293.docx)	eld Indicators o	f Hydric Soils,

Stream Inventory

Observer:						Project	Information:	
Name:	RF+VZ	_				Name:	Baron Wind Project	
Weather:	50F Rainy	7				Number:	13039 Date:	10/19/2016
Stream Na	me:	Stream II						
Stream Location	n (nearest 1	road, structu	re, etc.) :		T118, Ag field			
Adjacent Comm	nunity:	Ag field and	d upland m	ixed hardv	vood forest			
Stream Gradier	nt - gentle - mode - steep	erate	X					
Bank Width:	10'	-						
Stream Width:	6'	-						
Water Depth:	0	-						
Substrate: - - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	X X X X X						
Instream Cover	:: - Unde - Over - Logs - Deep - Othe	rcut bank hanging veg /woody deb pools r	ris	X				
Flow: - Perm - Inter	nanent mittent	X						
Photo # Flag #'s	Stream II	-						
Additional Cor	nments:							
 I	Environme	ntal Design	& Research	1				

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/20/2016								
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet JJ								
Investigator(s): RF, VZ Section, Township, Range: Town of Fremont									
Landform (hillside, terrace, etc.): Flat Loca	al relief (concave, convex, none): <u>None</u> Slope %: <u>2</u>								
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: -77.588012	Long: <u>42.423351</u> Datum: <u>WGS 84</u>								
Soil Map Unit Name: Fremont silt loam, 2 to 8 percent slope	NWI classification: PEM								
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 Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No								
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)								
SUMMARY OF FINDINGS – Attach site map showing sa	npling point locations, transects, important features, etc.								

Hydrophytic Vegetation Present?	Yes <u>X</u> No	Is the Sampled Area
Hydric Soil Present?	Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present?	Yes X No	If yes, optional Wetland Site ID: Wetland JJ
Remarks: (Explain alternative procedure:	s here or in a separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)	
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Moss Trim Lines (B16)	
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	X Oxidized Rhizospheres on Living Roo	ots (C3) X Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (E	38)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes X	No Depth (inches): 0	Wetland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspec	tions), if available:
Remarks:		
4		

Sampling Point: <u>1W @ Wet JJ</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet
1.				
2.				That Are OBL, FACW, or FAC:(A)
3				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 90 x 1 = 90
1				FACW species 25 x 2 = 50
2				FAC species x 3 =
3				FACU species x 4 =0
4				UPL species x 5 =0
5.				Column Totals: 115 (A) 140 (B)
6.				Prevalence Index = $B/A = 1.22$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1 Lograio enzeiden	00	Voo		$\frac{1}{2}$ 2 Dominance results > 00 /0
	90	Yes		$\frac{1}{2}$ 5 - Prevalence index is \geq 5.0
2. Carex bromoides	25	Yes	FACW	data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
б				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12		-Total Cover		Herb – All herbaceous (non-woody) plants, regardless
Woody Vine Stratum (Plat size: 20)	110			
(Flot size. <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in bound
·				neight.
2.				Hydrophytic
3			·	Vegetation
4				Present? Yes <u>X</u> No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL	
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Profile Des	cription: (Describe	to the de	epth needed to doc	ument t	he indica	ator or co	onfirm the absence of ind	icators.)		
Depth (in the table	Matrix		Redo	x Featur	res	1 2	Tautura			
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc	lexture	Remarks		
0-18	10YR 2/1	65			·		Loamy/Clayey	Silty/loamy		
	10YR 3/2	30	7.5YR 5/8	5	С	PI/M				
	10111(0/2		1.011(0/0							
		_		_	_	_				
1										
'Type: C=C	Concentration, D=Dep	letion, R	M=Reduced Matrix, N	MS=Mas	ked Sand	d Grains.	Location: PL=Pc	ore Lining, M=Matrix.		
Hydric Soil	Indicators:		Debaselus Deb	0 (Indicators for Pr	oblematic Hydric Soils":		
Histoso	I (A1)			ow Surfa	ice (S8) (LRR R,	2 cm Muck (A	(10) (LRR K, L, MLRA 149B)		
	ipipedon (A2)		MILRA 1498	6) 1000 (80			Coast Prairie	Redox (A16) (LRR K, L, R)		
	nslic (AS)		Ligh Chromo	ace (59) (LKK K 211) /I DI		Bohwoluo Bo	Pear of Pear (SS) (LRR K, L, R)		
Hydroge	en Suinde (A4)			Sanus (a Minorol	511) (LRI (E1) (LRI	KK,L)	Thin Dork Su			
Stratilie	d Bolow Dark Surface	- (A 1 1)		Motrix ((F1) (LK) (E2)	κ κ , μ)		$(\mathbf{L}\mathbf{K}\mathbf{K},\mathbf{L})$		
Depiete	ark Surface (A12)	= (ATT)	Loany Gleyed	i Wallix (iv (E3)	(12)			odplain Soils (F10) (MI PA 1/0R		
Sandy I	Mucky Mineral (S1)		X Redox Dark Si	urface (F	-6)		Mesic Spodic	(TA6) (MI RA 144A 145 149B)		
Sandy (Gleved Matrix (S4)		X Depleted Dark	Surface	• (F7)		Red Parent M	(1740) (MERA 144A , 145, 145 <i>b</i>) laterial (F21)		
Candy I	Redox (S5)		Redox Depres	sions (F	8)		Very Shallow Dark Surface (F22)			
Strippe	d Matrix (S6)		Marl (F10) (LR	R K. L)	0)		Other (Explain	n in Remarks)		
Dark Si	urface (S7)			, _/						
³ Indicators of	of hydrophytic vegetat	tion and	wetland hydrology m	ust be p	resent. ur	nless dist	urbed or problematic.			
Restrictive	Layer (if observed):		,	- 1-	.,					
Type:										
Depth (inches):						Hvdric Soil Present?	Yes X No		
Remarks:	rm is revised from No	rthoontr	and Northaast Bag	ional Su	nnlomon	t Voroion	2.0 to include the NPCS Fi	ald Indiantors of Hudrin Spile		
Version 7.0	. 2015 Frrata, (http://v	vww.nrcs	usda.gov/Internet/F	SF DO		S/nrcs14	2.0 10 Include the NRCS FI 2p2 (051293.docx)	eld malcalors of Hydric Solis,		
	, _010 _110101 (111p1/)		in a catal go the internet in	00		0,	_p001_0010000			

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/20/2016								
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet JJ								
Investigator(s): RF, VZ Section, Township, Range: Town of Fremont									
Landform (hillside, terrace, etc.): Flat	.ocal relief (concave, convex, none): None Slope %: 0								
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: -77.588282	Long: 24.423388 Datum: WGS 84								
Soil Map Unit Name: Mardin channery silt loam/fremont silt loam, bot	h 2 to 8 percent slope NWI classification: none								
Are climatic / hydrologic conditions on the site typical for this time of ye	ar? Yes X No (If no, explain in Remarks.)								
Are Vegetation, Soil, or Hydrologysignificantly of	disturbed? Are "Normal Circumstances" present? Yes X No								
Are Vegetation, Soil, or Hydrologynaturally prof	olematic? (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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

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

Sampling Point: 1U @ Wet JJ

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3				Total Number of Dominant Species Across All Strata: 1 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =0
1				FACW species 0 x 2 = 0
2				FAC species 0 x 3 = 0
3				FACU species 15 x 4 = 60
4.				UPL species 85 x 5 = 425
5.				Column Totals: 100 (A) 485 (B)
6.				Prevalence Index = $B/A = 4.85$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Phleum pratence	80	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
2. Trifolium arvense	15	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Taraxacum officinale	5	No	UPL	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				· · · · · · · · · · · · · · · ·
6				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4				Vegetation Present? Yes No X
••		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	cription: (Describe	to the de	oth needed to doc	ument t	he indica	tor or co	onfirm the absence of ind	icators.)
Depth	Matrix		Redo	x Featu	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 3/3	100					Loamy/Clayey	
3-6	10YR 3/6	100					Loamy/Clayey	
					·			
					<u> </u>			
					·			
. <u> </u>					. <u> </u>			
					· <u> </u>			
					·			
¹ Type: C=C	oncentration, D=Depl	letion, RM	=Reduced Matrix, M	/IS=Mas	ked Sand	l Grains.	² Location: PL=Po	ore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for Pr	oblematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ice (S8) (I	_RR R,	2 cm Muck (A	A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B	5)			Coast Prairie	Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surf	ace (S9) (LRR R,	MLRA 1	149B)5 cm Mucky I	Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma	Sands (S	511) (LRF	κ κ, L)	Polyvalue Be	low Sufface (S8) (LRR K, L)
	d Bolow Dark Surface	(A11)	Loamy Mucky	Motrix	(F1) (LR (E2)	κ κ, L)		mace (S9) (LRR K, L)
Depieted	ark Surface (A12)	= (ATT)	Depleted Matri	v (F3)	(12)		Piedmont Flo	podplain Soils (E19) (MI RA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Si	urface (F	-6)		Mesic Spodic	: (TA6) (MLRA 144A, 145, 149B)
Sandy G	Bleved Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent N	Aaterial (F21)
Sandy R	Redox (S5)		Redox Depres	sions (F	8)		Very Shallow	Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explai	n in Remarks)
Dark Su	rface (S7)							
2								
°Indicators o	f hydrophytic vegetat	ion and w	etland hydrology m	ust be p	resent, ur	less dist	urbed or problematic.	
Restrictive	Layer (if observed):							
Type.		<u>, </u>					Ukudnia Cail Dressort?	Vac Na V
Depth (ii		0					Hydric Soll Present?	
Remarks:	m in rovined from No	rthoontrol	and Northagat Bag	ional Si	nnlomont	Voroion	2.0 to include the NPCS E	iold Indiantors of Hudris Soils
Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/F	SE DO	CUMENT	S/nrcs14	2p2 051293.docx)	ield indicators of Hydric Solis,
,			5				,	

Stream Inventory

Observer :	:					Project	Information:	
Name:	RF					Name:	Baron Wind Project	
Weather:	50F Rain	/				Number:	13039 Date	e: 10/20/2016
Stream N	ame:	Stream LL						
Stream Locati	ion (nearest	road, structu	re, etc.) :		T68, Cenfield Ro	ad		
Adjacent Con	nmunity:	Ag field and	d upland m	nixed ha	ardwood forest	_		
Stream Gradi	ent - gentle - mod - steep	erate	Х					
Bank Width:	15-20'	_						
Stream Width	n: <u>5-8'</u>	_						
Water Depth:	6"	-						
Substrate: -	 Bed Rock Boulder Cobble Gravel Sand Silt Clay 	$ \begin{array}{c} x \\ x \\$						
Instream Cov	rer: - Unde - Ove - Logs - Deej - Othe	ercut bank rhanging veg s/woody deb o pools er	etation ris	X X X				
Flow: - Per - Int	rmanent ermittent	X						
Photo #								
Flag #'s	Stream L	L						
Additional Co	omments: _							

Environmental Design & Research

Project/Site: Baro	n Winds Proje	ct		(City/County: Steuber	n County	Sa	ampling Date:	10/12/	/2016
Applicant/Owner:	Everpower	Wind Holdings, Ir	۱C.			State:	NY	Sampling Poin	it: <u>1w @</u>	Wet PP
Investigator(s): RF	, VZ				Section, Tov	wnship, Range: <u>T</u>	own of Fr	emont		
Landform (hillside, f	terrace, etc.):	Terrace		Local re	lief (concave, conve	x, none): concave	e	Slop	e %: _	0
Subregion (LRR or	MLRA): LRF	₹ R, MLRA 140	Lat:	-77.572865	Long:	42.439767		Datum:	WGS	84
Soil Map Unit Name	e: Bath chanr	nery silt loam, 12 t	.o 20 j	percent slopes		NWI classifi	cation: <u>C</u>)W		
Are climatic / hydro	logic condition	s on the site typic	al for	this time of year?	Yes X	No	(If no, exp	blain in Remark	<s.)< td=""><td></td></s.)<>	
Are Vegetation	, Soil	, or Hydrology		significantly disturbe	ed? Are "Norm	nal Circumstance	s" present	t? Yes X	_No_	
Are Vegetation	, Soil	, or Hydrology		_naturally problematic	c? (If needed	l, explain any ans	wers in R	emarks.)		
SUMMARY OF	FINDINGS	- Attach site	map	showing samp	ling point locat	ions, transec	ts, impo	ortant featu	ires, e	etc.
Hydrophytic Veget	ation Present?	? Yes	X	No	Is the Sampled Ar	rea				

Hydric Soil Present?	Yes	Х	No	within a Wetland? Yes X No
Wetland Hydrology Present?	Yes	Х	No	If yes, optional Wetland Site ID: Wetland PP
Remarks: (Explain alternative procedu Wetland consists of a ponded terrace a	es here or rea existing	in a se g withir	eparate report.) n a larger sloping a	area.

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

Sampling Point: 1W @ Wet PP

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species
2.				That Are OBL, FACW, or FAC:3 (A)
3				Total Number of Dominant
4				Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		= I otal Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 25 $x_1 = 25$
·				FAC species 65 $x_2 = 130$
2				$FACUspecies \qquad 0 \qquad x = 0$
3				$\frac{112}{112} = \frac{112}{112} = $
				Column Totals: 90 (A) 155 (B)
				$\frac{172}{2}$
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Leersia orvzoides	25	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^1$
2. Onoclea sensibilis	25	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Impatiens capensis	40	Yes	FACW	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree Weady plants 3 in (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sanling/shrub – Woody plants less than 3 in DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	90	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hudronhutio
3				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	epth needed to docu	ument t	he indica	tor or co	onfirm the absence of ind	icators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	5Y 2.5/1	100					Mucky Peat	Black Mucky Organic
3-18	5Y 5/3	50	2.5Y 5/6	5	С	PL/M	Loamy/Clayey F	Prominent redox concentrations
	10BG 2.5/1	45						
<u> </u>								
¹ Type: C=Co	oncentration, D=Dep	letion, RM	M=Reduced Matrix, M	/IS=Mas	ked Sand	Grains.	² Location: PL=P	pre Lining, M=Matrix.
Hydric Soil I	Indicators:				(20) (Indicators for Pi	oblematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck (/	A10) (LRR K, L, MLRA 149B)
Histic Ep	opedon (A2)		MLRA 149B)				Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9)) (LRR R	, MLRA 1	49B) <u>5 cm Mucky</u>	Peat or Peat (S3) (LRR K, L, R)
X Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L)						Polyvalue Be	low Surface (S8) (LRR K, L)	
Stratified	Layers (A5)	<i></i>	Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark Su	rface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	X Loamy Gleyed	Matrix (F2)		Iron-Mangan	ese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont Flo	odplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	-6)			(TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)			Naterial (F21)
Sandy R	edox (SS)		Redox Depress		8)		Very Snallow	Dark Surface (F22)
						n in Remarks)		
Dark Sur								
³ Indicators of	bydrophytic vogotal	ion and y	wotland bydrology mu	ict ha ni	rocont ur	loce dict	urbod or problematic	
Restrictive I	aver (if observed):		vetiana nyarology ma	ust be pi	esent, u	11633 0131		
Type:								
Depth (ir	nches):						Hydric Soil Present?	Yes <u>X</u> No
Remarks:								
This data for	m is revised from No	orthcentra	I and Northeast Regi	ional Su	pplemen	Version	2.0 to include the NRCS F	ield Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	ww.nrcs	.usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Baron Wind	ls Project	City/County: Steuber	n County	Sampling Date: 10/12/2016
Applicant/Owner: Eve	erpower Wind Holdings, Inc.		State: NY	Sampling Point: 10 @ Wet PP
Investigator(s): RF, VZ		Section, Tor	wnship, Range: Town of	Fremont
Landform (hillside, terrace	, etc.): <u>Hillslope</u>	Local relief (concave, conve	x, none): <u>convex</u>	Slope %: 8
Subregion (LRR or MLRA)	: LRR R, MLRA 140 Lat: -77.57292	21 Long:	42.439710	Datum: WGS 84
Soil Map Unit Name: Bat	th channery silt loam, 12 to 20 percent slo	ре	NWI classification:	
Are climatic / hydrologic c	onditions on the site typical for this time o	f year? Yes X	No (If no, e	explain in Remarks.)
Are Vegetation, Se	oil, or Hydrologysignifican	tly disturbed? Are "Norm	nal Circumstances" prese	ent? Yes X No
Are Vegetation, Se	oil, or Hydrologynaturally	problematic? (If needed	l, explain any answers in	Remarks.)
SUMMARY OF FIND	NNGS – Attach site map showir	ig sampling point locat	ions, transects, im	portant features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indica	tors:				Secondary Indicators (min	imum of two required)	
Primary Indicators (minimur	n of one is require	ed; check all	that apply)		Surface Soil Cracks (I	B6)	
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B	10)	
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16	5)	
Saturation (A3)		Marl D	eposits (B15)		Dry-Season Water Ta	ble (C2)	
Water Marks (B1)		Hydrog	gen Sulfide Odor (C1)		Crayfish Burrows (C8))	
Sediment Deposits (B2))	Oxidize	ed Rhizospheres on Living F	Roots (C3)	Saturation Visible on	Aerial Imagery (C9)	
Drift Deposits (B3)		Presen	nce of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)	
Algal Mat or Crust (B4)		Recent	t Iron Reduction in Tilled So	ils (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on A	erial Imagery (B7)) Other ((Explain in Remarks)		Microtopographic Reli	ef (D4)	
Sparsely Vegetated Co	ncave Surface (B	8)			FAC-Neutral Test (D5)	
Field Observations:							
Surface Water Present?	Yes	No X	Depth (inches):				
Water Table Present?	Yes	No X	Depth (inches):				
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X	
(includes capillary fringe)							
Describe Recorded Data (st	ream gauge, mor	nitoring well,	aerial photos, previous insp	ections), if	available:		
Remarks:							

Sampling Point: 1U @ Wet PP

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet
1. Fraxinus pennsylvanica	20	Yes	FACW	
2. Populus tremuloides	60	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
3.				Tatal Number of Deminant
4.				Species Across All Strata: 6 (B)
5.				Percent of Deminent Species
6.				That Are OBL, FACW, or FAC: 33.3% (A/B)
7.				Prevalence Index worksheet:
	80	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =0
1. Fraxinus americana	15	Yes	FACU	FACW species 20 x 2 = 40
2. Cornus racemosa	5	Yes	FAC	FAC species <u>5</u> x 3 = <u>15</u>
3				FACU species 145 x 4 = 580
4				UPL species 0 x 5 = 0
5				Column Totals: 170 (A) 635 (B)
6				Prevalence Index = B/A =3.74
7.				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Solidago canadensis	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Rubus sp.	50	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indiastors of hydric soil and watland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree Woody plants 2 in (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Continue (about a Manda and the 2 in DDU
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	70	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				We advising All we advise a greater than 2.20 ft in
1.				height.
2.				
3.				Hydrophytic
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			
	,			

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ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. dric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 1498) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L, R) Thick Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Mad (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Mad (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Thin Dark Surface (F7) Red Parent Material (F21) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) <td>¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Marl (F10) (LRR K, L) 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</td> <td></td>	¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Marl (F10) (LRR K, L) ³ 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										
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Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Strippe: Type:	Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Type:	Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	511) (LRI	R K, L)	Polyvalue B	elow Surface (S8) (LRR	K, L)
Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Type: Type: Type: Type: Type:	Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) If observed): Type: Depth (inches): Depth (inches): Hydric Soil Present? Yes No X	Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark S	urface (S9) (LRR K, L)	
Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. strictive Layer (if observed): Type: Type: Type: Type:		Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Mangar	nese Masses (F12) (LRR	K, L, R)
Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. strictive Layer (if observed): Type: Type: Type: Type:	Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): NoX_	Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont Fl	oodplain Soils (F19) (ML	RA 149B)
Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. strictive Layer (if observed): Type:	Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Depth (inches): Yes	Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic Spodi	c (TA6) (MLRA 144A, 1 4	i 5, 149B)
Sandy Redox (S5)Redox Depressions (F8)Very Shallow Dark Surface (F22) Stripped Matrix (S6)Marl (F10) (LRR K, L)Other (Explain in Remarks) Dark Surface (S7) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. strictive Layer (if observed): Type:	Sandy Redox (S5)Redox Depressions (F8)Very Shallow Dark Surface (F22) Stripped Matrix (S6)Marl (F10) (LRR K, L)Other (Explain in Remarks)Other (Explain in Remarks) 	Sandy G	Bleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent	Material (F21)	
Stripped Matrix (S6)Marl (F10) (LRR K, L)Other (Explain in Remarks)Dark Surface (S7) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. strictive Layer (if observed): Type:	Stripped Matrix (S6)Marl (F10) (LRR K, L)Other (Explain in Remarks) Dark Surface (S7) ³ 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	Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Shallov	v Dark Surface (F22)	
_ Dark Surface (S7) dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. strictive Layer (if observed): Type:	Dark Surface (S7) ³ 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	Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Expla	iin in Remarks)	
dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. strictive Layer (if observed): Type: Type:	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed):	Dark Su	rface (S7)								
dicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. strictive Layer (if observed): Type: Destrict (is because of the base of the b	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	_									
Type:	Restrictive Layer (if observed): Type: Hydric Soil Present? Yes No X	³ Indicators o	f hydrophytic vegetat	tion and w	etland hydrology mu	ust be pi	resent, u	nless dist	urbed or problematic.		
	Type:	Restrictive	Layer (if observed):								
	Depth (inches): Yes No X	Type:									
Depth (inches): Hydric Soil Present? Yes No X		Depth (ir	nches):						Hydric Soil Present?	Yes No	• X
Depth (inches): I Hydric Soil Present? Yes		³ Indicators o Restrictive I Type:	f hydrophytic vegetat Layer (if observed):	ion and w	etland hydrology mu	ust be pi	resent, ui	nless dist	urbed or problematic.	Yes	Nc
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marks: is data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, rsion 7.0, 2015 Errata, (http://www.nrcs.usda.gov/Internet/ESE_DOCUMENTS/nrcs14202_051293.docx)	Version 7.0. 2015 Errata (http://www.nrcs.usda.gov/Internet/ESE_DOCUMENTS/nrcs142p2_051293.docx)		2010 2000 (mp.//		loadige i, internet i			0,1110011	_poooo.uoo.y		
emarks: is data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, rsion 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)										
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Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/12/2016										
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Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet RR										
Investigator(s): RF, VZ Section, Township, Range: Town of Fremont											
Landform (hillside, terrace, etc.): FLAT Local relief (concave, convex, none): concave Slope %: 0											
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: -77.581698	Long: <u>42.439482</u> Datum: <u>WGS 84</u>										
Soil Map Unit Name: Fremont silt loam, 2 to 8 percent slope	NWI classification: PFO										
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 Hydrologysignificantly distu	rbed? Are "Normal Circumstances" present? Yes X No										
Are Vegetation, Soil, or Hydrologynaturally problem	atic? (If needed, explain any answers in Remarks.)										
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.										

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland RR
Hydric Soil Present?	Yes X	No	
Wetland Hydrology Present?	Yes X	No	
Remarks: (Explain alternative procedure	es here or in a s	eparate report.)	

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks (B6)		
Surface Water (A1)	Drainage Patterns (B10)				
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)		
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relief (D4)		
X Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetlan	d Hydrology Present? Yes X No		
Saturation Present? Yes (includes capillary fringe)	No X Depth (inches):	Wetlan	d Hydrology Present? Yes X No		
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, more	No X Depth (inches):	Wetlan ctions), if a	d Hydrology Present? Yes X No		
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mor	No X Depth (inches):	Wetlan ctions), if a	d Hydrology Present? Yes X No		
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mor	No X Depth (inches):	Wetlan ctions), if a	d Hydrology Present? Yes X No		
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No X Depth (inches):	Wetlan ctions), if a	d Hydrology Present? Yes X No		
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No X Depth (inches):	Wetlan ctions), if a	d Hydrology Present? Yes X No		
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod Remarks:	No X Depth (inches):	Wetlan ctions), if a	d Hydrology Present? Yes X No Available:		
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod Remarks:	No X Depth (inches):	Wetlan ctions), if a	d Hydrology Present? Yes X No Available:		
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod Remarks:	No X Depth (inches):	Wetlan ctions), if a	d Hydrology Present? Yes X No		
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod Remarks:	No X Depth (inches):	Wetlan ctions), if a	d Hydrology Present? Yes X No		
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod Remarks:	No X Depth (inches):	Wetlan ctions), if a	d Hydrology Present? Yes X No		
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod Remarks:	No X Depth (inches):	Wetlan ctions), if a	d Hydrology Present? Yes X No		
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mod Remarks:	No X Depth (inches):	Wetlan ctions), if a	d Hydrology Present? Yes X No		

Sampling Point: <u>1W @ Wet RR</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
 Populus tremuloides 2. 	75	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
3.			·	Total Number of Dominant Species Across All Strata: 5 (B)
5.			·	Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: <u>60.0%</u> (A/B)
7				Prevalence Index worksheet:
Carling/Charle Charling (Distained AC	/5	= I otal Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)	10	Vaa	EACU	$\begin{array}{c} \text{OBL species} \\ \text{EACW species} \\ \text{AU} \\ AU$
Populus tremuloides Fraxinus popper/lyanica	10	Voc		FAC species 40 $x_2 = 80$
		165	TACW	FACUL species $\frac{95}{100}$ $x_3 = \frac{340}{100}$
3				$\frac{1100}{100} = \frac{100}{100} =$
4				$\begin{array}{c} \text{OFL species} 0 x \text{ 5} = 0 \\ \text{Column Totals:} 165 (A) 460 (B) \end{array}$
5				Column Totals. <u>165</u> (A) <u>460</u> (B)
o				Prevalence index = D/A = 2.79
<i>1</i>				A Denid Test for Undershutis Vegetation
		= Total Cover		- 1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)	00	N	54.014/	$\frac{1}{2}$ 2 - Dominance Test is >50%
1. Carex bromoides		Yes		\underline{X} 3 - Prevalence index is ≤ 3.0
2. Carex lurida	30	Yes		data in Remarks or on a separate sheet)
3. Juncus effusus	10	No	OBL	1
4.				Problematic Hydrophytic Vegetation' (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10		<u> </u>		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				
	70	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
·				neight.
2.				Hydrophytic
3				Vegetation
4				Present? Yes <u>×</u> No
		= I otal Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Profile Des	cription: (Describe	to the de	oth needed to doc	ument t	he indica	ator or co	onfirm the absence o	f indicators.)	
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remark	S
0-1								Leaf litte	er
1-16	10YR 4/2	92	7.5YR 5/8	5	С	PL/M	Loamy/Clayey	Prominent redox co	ncentrations
			5YR 3/4	3	С	PL		Prominent redox co	ncentrations
	·	·							
		· <u> </u>							
1	·	·							
1							2		
'Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	MS=Mas	ked Sand	Grains.	² Location: P	L=Pore Lining, M=Matr	ix.
Hydric Soil	Indicators:		Debushus Deb		aa (CO) (I		Indicators fo	or Problematic Hydric	Solls":
HISTOSO	rianden (AQ)			ow Suna	ce (58) (I	LRR R,		ICK (A10) (LRR K, L, M Initia Dadau (A40) (LDI	
	pipedon (A2)		Thin Dark Sud	5) face (60)			Coast Pl	alrie Redox (A16) (LR	$(\mathbf{R}, \mathbf{L}, \mathbf{K})$
	istic (A3)		Thin Dark Sun	lace (59) Sondo (5		, WILKA I		a Polow Surface (SS) (
Flyuroge	d Lovers (A5)			Minoral	/E1) (LRF	х к , L)	FOiyvaiu	e Delow Suilace (So) ($(\mathbf{K} \mathbf{K} \mathbf{K}, \mathbf{L})$
	d Below Dark Surface	o (A11)		Matrix ((F1) (LKI (F2)	Κ Κ, Ľ)	Iron-Mar	k Sullace (S9) (LKK K Masses (E12)	,L) (IPPKIP)
Depiete	ark Surface (A12)	e (ATT)	X Depleted Matr	i Matrix (iv (E3)	12)			nyanese Masses (172) at Eloodolain Soils (E19	(LKK K, L, K)) (mi pa 1/0 8
	Mucky Mineral (S1)		Depleted Math	urface (F	6)		Nesic Si	ndic (TA6) (MI RA 14 4	14 145 149B
Candy in Sandy (Reved Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	ent Material (F21)	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Sandy F	Redox (S5)		Bedox Depres	sions (F	8)		Verv Sh	allow Dark Surface (F2)	2)
Stripped	d Matrix (S6)		Marl (F10) (LR	2R K. L)	0)		Other (F	xplain in Remarks)	_/
Dark Su	urface (S7)			, _, _,					
³ Indicators c	of hydrophytic vegetat	tion and w	etland hydrology m	ust be pi	resent, ur	nless dist	urbed or problematic.		
Restrictive	Layer (if observed):								
Type:									
Depth (i	nches):						Hydric Soil Preser	nt? Yes_X_	No
Remarks:									
This data for	rm is revised from No	orthcentral	and Northeast Reg	ional Su	pplemen	t Version	2.0 to include the NRC	CS Field Indicators of H	lydric Soils,
Version 7.0,	2015 Errata. (http://w	www.nrcs.	usda.gov/Internet/F	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)		-
Loose and d	dry soil throughout. in	undation li	kely occuring prima	arily in th	e spring				

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 10/12/2016
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet RR
Investigator(s): RF, VZ	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Flat Loca	al relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: -77.581599	Long: <u>42.439557</u> Datum: <u>WGS 84</u>
Soil Map Unit Name: Fremont silt loam, 2 to 8 percent slope	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 Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present?	Yes Yes	No X No X	Is the Sampled Area within a Wetland? Yes	NoX
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedu	ures here or in a	separate report.)		

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is rec	uired; check all that apply)	Surface Soil Cracks (B6)	
Surface Water (A1)	Drainage Patterns (B10)		
High Water Table (A2)	High Water Table (A2) Aquatic Fauna (B13)		
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ts (C3) Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6) Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery	(B7) Other (Explain in Remarks)	Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface	e (B8)	FAC-Neutral Test (D5)	
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes	No X 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 inspec	tions), if available:	
Remarks:			

Sampling Point: 1U @ Wet RR

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1. Acer rubrum	20	Yes	FAC	Number of Dominant Species
2. <u>Betula populifolia</u>	10	No	FAC	That Are OBL, FACW, or FAC:(A)
 <i>Picea abies</i> 	50	Yes	UPL	Total Number of Dominant Species Across All Strata: <u>5</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B)
7.				Prevalence Index worksheet:
	80	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Acer rubrum	5	Yes	FAC	FACW species 0 x 2 = 0
2. Fagus grandifolia	10	Yes	FACU	FAC species 35 x 3 =105
3.				FACU species15x 4 =60
4.				UPL species x 5 =
5.				Column Totals: 100 (A) 415 (B)
6.				Prevalence Index = B/A = 4.15
7.				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Dryopteris marginalis	5	Yes	FACU	$3 - Prevalence Index is \le 3.0^1$
2.				4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Carling / charts Weathy plants loss than 2 in DPH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	5	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Meady vince All woody vince greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)	-		1

		Redo	x Featur	es			
(inches) Color (moist)	% (Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
1-14 10YR 2/2	100					Loamy/Clayey	loose dry
							· · · · · · · · · · · · · · · · · · ·
					·		
					·		
					<u> </u>		
					·		
Type: C=Concentration, D=Depleti	ion, RM=Re	duced Matrix, N	/IS=Mas	ked Sand	l Grains.	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil Indicators:				(- -) (Indicators for	Problematic Hydric Soils ³ :
Histosol (A1)		Polyvalue Belo	w Surfa	ce (S8) (I	_RR R,	2 cm Muck	(A10) (LRR K, L, MLRA 149B)
Histic Epipedon (A2)		MLRA 149B) (00)			Coast Prai	rie Redox (A16) (LRR K, L, R)
Black Histic (A3)		I nin Dark Sur	ace (59) Dende (5			49B) 5 cm Muck	Relation Peat (S3) (LRR K, L, R)
Hydrogen Sunde (A4)			Sanus (S Minorol	(E1) (LRI	(r , L)	Polyvalue	Surface (S0) (LRR R, L)
Stratified Edgers (AS)	A11)		Motrix ((FI) (LKI E2)	Κ Κ, Ľ)		
Thick Dark Surface (A12)	<i)< td=""><td>Depleted Matri</td><td>(E3)</td><td>12)</td><td></td><td> IIOII-Mariya</td><td>Eloodolain Soils (F10) (MI BA 149</td></i)<>	Depleted Matri	(E3)	12)		IIOII-Mariya	Eloodolain Soils (F10) (MI BA 149
Sandy Mucky Mineral (S1)		_ Depleted Math	rface (F	6)		Nesic Sno	dic (TA6) (MI RA 144A 145 149B)
Sandy Gleved Matrix (S4)		Depleted Dark	Surface	(F7)		Mesic Opo Red Paren	it Material (E21)
Sandy Redox (S5)		Redox Depres	sions (Fi	8)		Verv Shall	ow Dark Surface (F22)
Stripped Matrix (S6)		Marl (F10) (I R	R K . I)	0)		Other (Exp	lain in Remarks)
Dark Surface (S7)			, _/				
Indicators of hydrophytic vegetatior	n and wetla	nd hydrology mu	ust be pr	resent, ur	less distu	urbed or problematic.	
Restrictive Layer (if observed):						·	
Type:							
21° -							
Depth (inches):						Hvdric Soil Present	? Yes No X

Stream Inventory

Observer:			Project Info	ormation:	
Name: RF+VZ	_		Name: Baro	n Wind Project	
Weather: Clear, 60	F		Number:_	13039 Date:	10/12/2016
Stream Name:	Stream SS				
Stream Location (nearest	road, structure, etc.) :	Northeast of Mack Scho	ool Road		
Adjacent Community:	Upland deciduous for	rest			
Stream Gradient - gentle - mod - steep	e X erate	- - -			
Bank Width: 8-10'	-				
Stream Width: <u>5-8</u> '	-				
Water Depth: 0-2"	-				
Substrate: - Bed Rock - Boulder - Cobble - Gravel - Sand - Silt - Clay					
Instream Cover: - Unde - Ove - Log - Dee - Oth	ercut bank rhanging vegetation s/woody debris p pools er	$\frac{\frac{X}{x}}{x}$			
Flow: - Permanent - Intermittent	X				
Photo # Flag #'s Stream St	5				
Additional Comments: _	<u>Stream bisects sudy c</u>	orridor running SW within	<u>ravine</u>		

Environmental Design & Research

Stream Inventory

Observer:		Project	Information:	
Name: RF+VZ		Name:	Baron Wind Project	
Weather: Clear/B	reezy 70 F	Number:	13039 Date:	10/18/2016
Stream Name:	Stream TT			
Stream Location (neares	t road, structure, etc.) : Nort	heast of Akins Road		
Adjacent Community:	Upland hardwood forest			
Stream Gradient - gent - moo - stee	le derate X p			
Bank Width: 3-10'	_			
Stream Width: <u>3-8</u> '	_			
Water Depth: 0	_			
Substrate: - Bed Roo - Boulde - Cobble - Gravel - Sand - Silt - Clay	$ \frac{x}{x} \\ x$			
Instream Cover: - Unc - Ov - Log - Dec - Oth	dercut bank X erhanging vegetation X gs/woody debris X ep pools			
Flow: - Permanent - Intermittent	<u>x</u>			
Photo # Flag #'s Stream	п			
Additional Comments:	Stream flows SW begginning fror	n small wetland at bottom	of sloping ag fields.	
Environn	nental Design & Research			

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 5/4/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W@ WetWW
Investigator(s): RF, SZ	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): hillslope Local	relief (concave, convex, none): concave Slope %: 0-5
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.393085	Long: <u>-77.561151</u> Datum: <u>WGS 84</u>
Soil Map Unit Name: Fremont silt loam, 2 to 8 percent	NWI classification: PFO
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 Hydrologysignificantly distu	rbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Undersets the Versetation Dresent?	In the Completion

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

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

Sampling Point: <u>1W@ WetWW</u>

Tree Otreture (District) 20	Absolute	Dominant	Indicator	Deminence Test worksheet
<u>Iree Stratum</u> (Plot size: <u>30</u>)		Species	Status	Dominance lest worksneet:
	40	Yes		Number of Dominant Species
2. Fagus grandifolia	25	Yes	FACU	That Are OBL, FACW, or FAC:(A)
 Carpinus caroliniana 4. 	15	No	FAC	Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)
7.				Prevalence Index worksheet:
	80	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1.				FACW species 95 x 2 = 190
2.				FAC species $15 \times 3 = 45$
3.				FACU species 65 x 4 = 260
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 175 (A) 495 (B)
6.				Prevalence Index = $B/A = 2.83$
7.				Hvdrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1 Impatiens capensis	95	Yes	FACW	\times 3 - Prevalence Index is $\leq 3.0^1$
2				4 - Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
аа				Problematic Hydrophytic Vegetation ¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must
7				Definitions of Vegetation Strata
γ				Definitions of Vegetation offata.
0				Tree – Woody plants 3 in. (7.6 cm) or more in
9 10				Udificier at breast hoight (DDH), regulatoos of hoight
10				Sapling/shrub – Woody plants less than 3 in. DBH
11 12				
12	95	-Total Cover		Herb – All herbaceous (non-woody) plants, regardless
Waadu Vina Stratum (Plat size: 30)	30			
<u>woody while Stratum</u> (Fior Size,				Woody vines – All woody vines greater than 3.28 ft in
· · · · · · · · · · · · · · · · · · ·				neight.
2.				Hydrophytic
3				Vegetation
4				
		= I otal Cover		
Remarks: (Include photo numbers nere or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	ator or c	onfirm the absence of	of indicators.)	
Depth	Matrix		Redo	x Featur	res				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-2	10YR 2/1	100					Mucky Loam/Clay		
2-3	10YR 4/2	100					Mucky Loam/Clay		
3-16	10YR 2/1	85	5YR 3/3	15	С	Μ	Mucky Loam/Clay	Prominent redox concentrations	
		·							
		·							
		·							
		·							
¹ Type: C=Co	oncentration. D=Dep	letion. RM	I=Reduced Matrix. M	/IS=Mas	ked Sand	d Grains.	² Location:	PL=Pore Lining, M=Matrix.	
Hydric Soil	Indicators:						Indicators	for Problematic Hydric Soils ³ :	
Histosol	(A1)		Polyvalue Belo	w Surfa	ice (S8) (LRR R,	2 cm M	uck (A10) (LRR K, L, MLRA 149B)	
Histic Ep	pipedon (A2)		MLRA 149B)	. , ,		Coast F	Prairie Redox (A16) (LRR K, L, R)	
Black His	stic (A3)		Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R						
Hydroge	n Sulfide (A4)		High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L)						
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Da	ark Surface (S9) (LRR K, L)	
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Ma	Inganese Masses (F12) (LRR K, L, R)	
Thick Da	ark Surface (A12)		Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MI						
Sandy M	lucky Mineral (S1)		X Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 1444 14/						
Sandy G	leved Matrix (S4)		Depleted Dark	Surface	, (F7)		 Red Pa	rent Material (F21)	
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Verv Sh	nallow Dark Surface (F22)	
Stripped	Matrix (S6)		Marl (F10) (LR	R K. L)	- /		Other (I	Explain in Remarks)	
Dark Sur	face (S7)			, ,					
31		C	a the state of the state of the second						
Restrictive I	aver (if observed):	tion and w	etiand hydrology mu	ust be pi	resent, ur	liess dis	turbed of problematic.		
Туре:	bedro	ock							
Depth (ir	nches):	16					Hydric Soil Prese	ent? Yes <u>X</u> No	
Remarks:									
This data for Version 7.0,	m is revised from No 2015 Errata. (http://v	orthcentral www.nrcs.	l and Northeast Regi usda.gov/Internet/F\$	ional Su SE_DO0	ipplemen CUMENT	t Versior S/nrcs14	n 2.0 to include the NR 42p2_051293.docx)	CS Field Indicators of Hydric Soils,	

City/County: Steuben County Samp	ling Date: 5/4/2017
State: <u>NY</u> San	npling Point: 2W@Wet WW
Section, Township, Range: Town of Fremo	ont
relief (concave, convex, none): concave	Slope %: 0-3
Long: -77.561120	Datum: WGS 84
NWI classification: PFO	
Yes X No (If no, explain	in Remarks.)
bed? Are "Normal Circumstances" present?	Yes X No
atic? (If needed, explain any answers in Rema	arks.)
pling point locations, transects, importa	ant features, etc.
	City/County: Steuben County Samp State: NY Samp Section, Township, Range: Town of Fremo relief (concave, convex, none): concave Long: -77.561120 NWI classification: PFO Yes X No Uff no, explain (If no, explain) bed? Are "Normal Circumstances" present? atic? (If needed, explain any answers in Remainstances) pling point locations, transects, importances

Hydrophytic Vegetation Present?	Yes	Х	No	Is the Sampled Area
Hydric Soil Present?	Yes	Х	No	within a Wetland? Yes X No
Wetland Hydrology Present?	Yes	Х	No	If yes, optional Wetland Site ID: Wetland WW
Remarks: (Explain alternative procedures h				

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

Sampling Point: 2W@Wet WW

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Carpinus caroliniana	40	Yes	FAC	
2. Fraxinus pennsylvanica	10	No	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)
3. Salix sp.	5	No	FACW	
4.				Species Across All Strata: 7 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: <u>85.7%</u> (A/B)
7				Prevalence Index worksheet:
	55	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 40 x 1 = 40
1. Rosa multiflora	15	Yes	FACU	FACW species 45 x 2 = 90
2. Lonicera morrowii	10	Yes	FAC	FAC species 80 x 3 = 240
3. Carpinus caroliniana	10	Yes	FAC	FACU species <u>15</u> x 4 = <u>60</u>
4.				UPL species 0 x 5 = 0
5				Column Totals: 180 (A) 430 (B)
6				Prevalence Index = B/A = 2.39
7				Hydrophytic Vegetation Indicators:
	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Glyceria sp	40	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Onoclea sensibilis	30	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Equisetum arvense	20	Yes	FAC	data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sanling/shrub – Woody plants less than 3 in DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb - All herbaceous (non-woody) plants, regardless
	90	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3 28 ft in
1				height.
2				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			,

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Profile Des	cription: (Describe	to the de	pth needed to doc	ument th	ne indica	ator or co	onfirm the absence of	indicators.)
Depth	 Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 2/1	90	7.5YR 4/4	10	С	PL/M	Loamy/Clayey	Prominent redox concentrations
4-12	10YR 2/1	100					Loamy/Clayey	
		·						
		· <u> </u>						
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	· · · · · · · · · · · · · · · · · · ·	·						
¹ Type: C=C	oncentration, D=Dep	letion, RN	I=Reduced Matrix, N	/IS=Masl	ked Sand	d Grains.	² Location: PL	=Pore Lining, M=Matrix.
Hydric Soil	Indicators:			o (Indicators for	Problematic Hydric Soils ³ :
Histosol	l (A1)			w Surfac	ce (S8) (LRR R,	2 cm Muc	K (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 1498) (200 (20)			Coast Pra	lirie Redox (A16) (LRR K, L, R)
	ISTIC (A3)			ace (59) Sanda (S			149B) 5 cm Muc	Ry Peat of Peat (S3) (LRR K, L, R)
Hyuloge	d Lovera (A5)			Minoral (TR, L)	Folyvalue	Surface (S0) (LRR R, L)
	d Dalaw Dark Surface	~ (^ 1 1)			(FI) (LR I FO)	κ κ , L)		
	u Below Dark Surface	e (ATT)	Loany Gleyed		FZ)		IIOn-Iviang	Floodploin Soile (F12) (LRR R, L, R)
	Augler Mineral (S1)			х (гз) urfagg (Г	(C)		Pleamont	
Sandy in	Nucky Mineral (ST)				0) (F7)		Iviesic Spo	Duic (1A6) (MILRA 144A, 145, 149B)
Sandy C	Sleyed Matrix (S4)		Depleted Dark	Sunace	(F7)			$\int \frac{1}{2} \int $
	Redox (S5)		Redox Depres		3)		Very Shai	IOW Dark Sufface (F22)
Stripped	Matrix (S6)		Mari (F10) (LR	R K, L)			Other (Ex	plain in Remarks)
Dark Su	Ifface (S7)							
³ Indicators o	of hydrophytic vegetat	tion and w	etland hydrology mi	ist be pr	esent ur	nless dist	urbed or problematic	
Restrictive	Laver (if observed):		ionana nyarology m			1000 000		
Type:	bedro	ock						
Depth (i	nches):	12					Hydric Soil Present	? Yes <u>X</u> No
Remarks:								
This data for	rm is revised from No	orthcentral	and Northeast Reg	ional Su	pplemen	t Version	2.0 to include the NRC	S Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	www.nrcs.	usda.gov/Internet/F	SE_DOC	UMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Baron Winds Project	City/County: Steuben County	Sampling Date: 5/4/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY	Sampling Point: 10@wetww
Investigator(s): RF, SZ	Section, Township, Range: Town of	Fremont
Landform (hillside, terrace, etc.): hillslope	Local relief (concave, convex, none): <u>convex</u>	Slope %: 0-5
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat:	42.394753 Long: -77.592586	Datum: WGS 84
Soil Map Unit Name: Fremont silt loam, 2 to 8 percent sl	ope NWI classification:	N/A
Are climatic / hydrologic conditions on the site typical for t	his time of year? Yes X No (If no, e	explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal Circumstances" prese	ent? 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, im	portant features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	-

Wetland Hydrology Indicators:	Wetland Hydrology Indicators:				
Primary Indicators (minimum of one is requir		Surface Soil Cracks (B6)			
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)			
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)			
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on A	Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed P	lants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position ((D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Relie	ef (D4)	
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D5))	
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetlan	d Hydrology Present?	Yes No X	
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspe	ctions), if a	available:		
Remarks:					

Sampling Point: 1U@WetWW

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Tsuga canadensis	100	Yes	FACU	
2.				That Are OBL, FACW, or FAC:0 (A)
3				Total Number of Dominant
4.				Species Across All Strata: 2 (B)
5		·	. <u> </u>	Percent of Dominant Species
6		·		That Are OBL, FACW, or FAC: 0.0% (A/B)
7				Prevalence Index worksheet:
	100	= I otal Cover		I otal % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)	r	Vee	FACU	$\begin{array}{c} \text{OBL species} \\ \hline 0 \\ \hline \end{array} \\ \begin{array}{c} x \\ 1 \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \hline \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \end{array} \\ \end{array} \\ \begin{array}{c} x \\ 2 \\ \end{array} \\ \end{array}$
1. Isuga canadensis	5	Yes	FACU	FACW species 0 $x^2 = 0$
2		·		FAC species 0 $x_3 = 0$
3				FACU species 105 $x 4 = 420$
4.				$\begin{array}{c} \text{UPL species} 0 x \text{ 5} = 0 \\ \text{Ople T (1)} (0) $
5				Column Totals: 105 (A) 420 (B)
6				$\frac{1}{2} \text{Prevalence Index} = B/A = \frac{4.00}{2}$
7				Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1				3 - Prevalence Index is ≤3.0 ¹
2				4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks of on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5		·		¹ Indicators of hydric soil and wetland hydrology must
6		·		be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12		Total Course		Herb – All herbaceous (non-woody) plants, regardless
Weedy Vine Stratum (Plat size: 20)				of size, and woody plants less than 3.26 it tail.
<u>woody vine stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sep	arate sheet.)	r		

Profile Des	cription: (Describe	to the dep	oth needed to docu	ument t	he indica	ator or co	onfirm the absence o	of indicators.)
Depth	Matrix		Redo	x Featur	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	7.5YR 2.5/3	100					Peat	dry
3-4	10YR 3/2	100					Loamy/Clavey	
	10111(0/2						Loamy, olayoy	
		·						
	·	·						
		·						
-								
		·		—				
		. <u> </u>						
	·	·						
	<u></u>	·						
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, M	/IS=Mas	ked Sand	d Grains.	² Location: F	PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:	,					Indicators f	or Problematic Hydric Soils ³ :
Histoso	l (A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)		MLRA 149B)			Coast P	Prairie Redox (A16) (LRR K, L, R)
Black H	istic (A3)		Thin Dark Surf	ace (S9)) (LRR R	, MLRA 1	49B) 5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	611) (LRI	R K, L)	Polyvalu	ue Below Surface (S8) (LRR K, L)
Stratifie	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)
Deplete	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Ma	nganese Masses (F12) (LRR K, L, R)
Thick D	ark Surface (A12)		Depleted Matri	x (F3)			Piedmo	nt Floodplain Soils (F19) (MLRA 149B
Sandy M	Mucky Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic S	Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy (Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Par	rent Material (F21)
Sandy F	Redox (S5)		Redox Depress	sions (F	8)		Very Sh	allow Dark Surface (F22)
Stripped	d Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	Explain in Remarks)
Dark Su	irface (S7)							
³ Indicators	of hydrophytic ycarte	tion and	atland hydrology	int ha r	rocont	aloog diet	urbod or problemstic	
Restrictivo	aver (if observed)		enanu nyurology mt	isi ne bi	iesent, ur	ness uist		
Type	Roc	ots						
Dopth (i		1					Hudria Sail Braca	nt? Voc No v
Deptin (i		4					Hydric Soli Frese	
Remarks:	rm is revised from No	rthoontrol	and Northaast Desi	ional Cu	nnlaman	t Varaian	2.0 to include the ND	CC Field Indiantors of Lludrin Colla
Version 7.0.	2015 Errata. (http://v	www.nrcs.u	usda.gov/Internet/FS	SE DOC	CUMENT	S/nrcs14	2.0 10 Include the NR 2p2 051293.docx)	
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Project/Site: Baron	Winds Proje	ct		City/County: Steuber	County	S	ampling Date:	5/4/2017
Applicant/Owner:	Everpower	Wind Holdings, In	IC.		State:	NY	Sampling Point:	2U@WetWW
Investigator(s): RF, S	SZ			Section, Tov	vnship, Range:]	Fown of Fr	emont	
Landform (hillside, ter	race, etc.):	hillslope	Local	relief (concave, convex	k, none): <u>convex</u>	[Slope	%: <u>0-5</u>
Subregion (LRR or M	LRA): <u>LRF</u>	R R, MLRA 140	Lat: 42.393088	Long:	-77.560830		Datum:	WGS 84
Soil Map Unit Name:	Fremont S	ilt Loam, 2 ot 8 pe	rcent		NWI classif	ication: <u>N</u>	N/A	
Are climatic / hydrolog	gic condition	s on the site typica	al for this time of year?	Yes X	No	(If no, exp	olain in Remarks	.)
Are Vegetation	, Soil	, or Hydrology	significantly distur	bed? Are "Norm	al Circumstance	es" presen	t? Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally problema	atic? (If needed	, explain any ans	swers in R	emarks.)	
SUMMARY OF F	INDINGS	– Attach site	map showing sam	pling point locati	ons, transec	cts, imp	ortant featur	es, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	·

	Wetland Hydrology Indicators:					
Primary Indicators (minimum of one is requ	Surface Soil Cracks (B6)					
Surface Water (A1)	Surface Water (A1) Water-Stained Leaves (B9)					
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)				
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)				
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roo	ts (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)				
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:						
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes No X				
(includes capillary fringe)						
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspect	ions), if available:				
Describe Necorded Data (Stream gauge, monitoring well, aenal protos, previous inspections), il available.						
Remarks:						
Remarks:						
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Remarks:						
Remarks:						
Remarks:						
Remarks:						

Sampling Point: 2U@WetWW

	Absolute	Dominant	Indicator	
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test worksheet:
1. Fagus grandifolia	90	Yes	FACU	Number of Dominant Species
2. Fraxinus pennsylvanica	5	No	FACW	That Are OBL, FACW, or FAC:(A)
 <u>Betula alleghaniensis</u> <u>4</u>. 	5	No	FAC	Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
	100	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)		-		OBL species 0 x 1 = 0
1. Fagus grandifolia	30	Yes	FACU	FACW species 5 $x 2 = 10$
2.				FAC species 5 x 3 = 15
3.				FACU species 205 x 4 = 820
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 215 (A) 845 (B)
6				$\frac{1}{2}$ Prevalence Index = B/A = 3.93
7.		·		Hydrophytic Vegetation Indicators:
	.30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1 Convelleria sp	85	Vec	FACU	$\frac{2}{3} = \frac{2}{2} = \frac{1}{2} = \frac{1}$
1. Convaliana sp.	00	165	TACO	5 - Frevalence index is \$5.0
2.		·		data in Remarks or on a separate sheet)
3				Decklere etter Underscheidte Manstertier 1 (Erscheide)
4.		·		Problematic Hydrophytic Vegetation (Explain)
5.		·		¹ Indicators of hydric soil and wetland hydrology must
6		·		be present, unless disturbed or problematic.
7		·		Definitions of Vegetation Strata:
8		·		Tree – Woody plants 3 in. (7.6 cm) or more in
9		<u> </u>		diameter at breast height (DBH), regardless of height.
10		·		Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	85	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1		<u> </u>		height.
2				
3				Hydrophytic Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Profile Desc	ription: (Describe	to the de	oth needed to docu	ument t	he indica	tor or co	onfirm the absence of i	ndicators.)	
Depth	Matrix		Redo	x Featu	res				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks
0-2	10YR 3/2	100					Loamy/Clayey	dry	,
2-16	10YR 5/3	50	7.5YR 5/8	5	С	Μ	Loamy/Clayey	Prominent redox	concentrations
	10YR 5/6	45							
		·							
17			Deduced Metric				² l a setiert. Dl	Dava Lining M. Ma	- 4 min -
Type: C=C	Indicators:	letion, Riv	Reduced Matrix, N	/IS=IVIAS	ked Sand	Grains.	Location: PL=	Pore Lining, M=Ma	ic Soile ³ .
Histosol	$(\Delta 1)$		Polyvalue Belo	w Surfa	ce (S8) (I	RRR			MI RA 149B)
Histic Fr	(A1)		ΡΟΙγναίαε Βείο ΜΙ ΒΔ 149Β		Ce (30) (I		Coast Prai	rie Redox (A16) (I I	RRKIR)
Black Hi	stic (A3)		Thin Dark Surf) ace (S9		MIRA	(49B) 5 cm Muck	v Peat or Peat (S3	$(\mathbf{I}, \mathbf{R}, \mathbf{E}, \mathbf{R})$
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	511) (I RF	8 K. I.)	Polyvalue	Below Surface (S8)	$(\mathbf{I} \mathbf{R} \mathbf{R} \mathbf{K}, \mathbf{I})$
Stratified	1 avers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K. L)	Thin Dark	Surface (S9) (LRR	K. L)
Depleted	d Below Dark Surface	e (A11)	Loamy Gleved	Matrix ((F2)	,,	Iron-Manga	anese Masses (F12	2) (LRR K. L. R)
Thick Da	ark Surface (A12)	- ()	Depleted Matri	x (F3)	/		Piedmont	Floodplain Soils (F	19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic Spo	dic (TA6) (MLRA 1	44A, 145, 149B)
Sandy G	Bleved Matrix (S4)		Depleted Dark	Surface	, (F7)		Red Paren	t Material (F21)	,
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Very Shall	ow Dark Surface (F	22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Exp	lain in Remarks)	
Dark Su	rface (S7)								
³ Indicators o	f hydrophytic vegeta	tion and w	etland hydrology mu	ust be p	resent, ur	nless dist	urbed or problematic.		
Restrictive	Layer (if observed):								
Type:									
Depth (ir	nches):						Hydric Soil Present	? Yes	<u>No x</u>
Remarks:									
This data for	m is revised from No	orthcentral	and Northeast Reg	ional Su	pplement	t Version	2.0 to include the NRCS	Field Indicators of	Hydric Soils,
Version 7.0,	2015 Errata. (http://v	www.nrcs.	usda.gov/Internet/F	SE_DO	CUMENT	S/nrcs14	2p2_051293.docx)		
1									

Project/Site: Baron	Winds Project	•	C	ity/County: Steuber	n County		Sampling Date: 4/26/2017
Applicant/Owner:	Everpower V	Vind Holdings, Inc.			State:	NY	Sampling Point: 1W @ Wet X
Investigator(s): RF, C	CL			Section, Tov	wnship, Range: <u>T</u>	Fown of I	Fremont
Landform (hillside, ter	race, etc.):	Saddle	Local rel	ief (concave, conve	x, none): <u>concav</u>	/e	Slope %: 0
Subregion (LRR or MI	LRA): LRR I	R, MLRA 140 Lat	: 42.406314	Long:	-77.579768		Datum: WGS 84
Soil Map Unit Name:	Howard-Mad	Irid complex, undula	ting		NWI classif	ication:	PFO/PEM
Are climatic / hydrolog	gic conditions	on the site typical for	r this time of year?	Yes X	No	(If no, e	explain in Remarks.)
Are Vegetation	, Soil	, or Hydrology	significantly disturbed	d? Are "Norm	nal Circumstance	s" prese	ent? Yes X No
Are Vegetation	, Soil	, or Hydrology	naturally problematic	?? (If needed	l, explain any ans	swers in	Remarks.)
SUMMARY OF F	INDINGS -	- Attach site ma	p showing sampl	ing point locat	ions, transec	cts, im	portant features, etc.

Hydrophytic Vegetation Present?	Yes	Х	No	Is the Sampled Area
Hydric Soil Present?	Yes	Х	No	within a Wetland? Yes X No
Wetland Hydrology Present?	Yes	Х	No	If yes, optional Wetland Site ID: Wetland XX
Remarks: (Explain alternative procedure	s here or i	in a se	parate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)	
X Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roo	ots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6) X Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)	X FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes X	No Depth (inches): 1	
Water Table Present? Yes X	No Depth (inches): 1	
Water Table Present? Yes X Saturation Present? Yes X	No Depth (inches): 1 No Depth (inches): 0	Wetland Hydrology Present? Yes X No
Water Table Present? Yes X Saturation Present? Yes X (includes capillary fringe) X	No Depth (inches):1 No Depth (inches):0	Wetland Hydrology Present? Yes X No
Water Table Present? Yes X Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, morth	No Depth (inches):1 No Depth (inches):0 nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No ctions), if available:
Water Table Present? Yes X Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, more	No Depth (inches):1 No Depth (inches):0 nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No stions), if available:
Water Table Present? Yes X Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches):1 No Depth (inches):0 nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No stions), if available:
Water Table Present? Yes X Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches):1 No Depth (inches):0 nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No
Water Table Present? Yes X Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches):1 No Depth (inches):0 nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No
Water Table Present? Yes X Saturation Present? Yes X (includes capillary fringe)	No Depth (inches):1 No Depth (inches):0 hitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No
Water Table Present? Yes X Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches):1 No Depth (inches):0 nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No
Water Table Present? Yes X Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches):1 No Depth (inches):0 hitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No
Water Table Present? Yes X Saturation Present? Yes X (includes capillary fringe)	No Depth (inches):1 No Depth (inches):0 nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No
Water Table Present? Yes X Saturation Present? Yes X (includes capillary fringe)	No Depth (inches):1 No Depth (inches):0 nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No
Water Table Present? Yes X Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches):1 No Depth (inches):0 nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No
Water Table Present? Yes X Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches):1 No Depth (inches):0 hitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No

Sampling Point: <u>1W @ Wet XX</u>

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1. Fraxinus pennsylvanica	35	Yes	FACW	Number of Dominant Species
2. Tsuga canadensis	25	Yes	FACU	That Are OBL, FACW, or FAC:3 (A)
3. Betula alleghaniensis	15	No	FAC	Total Number of Dominant
4. Carpinus caroliniana	5	No	FAC	Species Across All Strata: 5 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 60.0% (A/B)
7				Prevalence Index worksheet:
	80	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Lonicera morrowii	5	Yes	FACU	FACW species 110 x 2 = 220
2				FAC species x 3 =75
3				FACU species 30 x 4 =120
4.				UPL species 0 x 5 = 0
5.				Column Totals: 165 (A) 415 (B)
6.				Prevalence Index = $B/A = 2.52$
7.			,	Hydrophytic Vegetation Indicators:
	5	=Total Cover	,	1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Poa palustris	35	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Impatiens capensis	20	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Equisetum palustre	15	No	FACW	data in Remarks or on a separate sheet)
4. Ranunculus acris	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Onoclea sensibilis	5	No	FACW	The directory of business of and writered business must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree Woody plants 2 in (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Senting / shouth Weady plants loss than 2 in DDU
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				Hark All borbassous (non woody) planta, regardless
	80	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Weedwainer Allweedwainer medanther 2.20 ft in
1.				height.
2.			,	
3.				Hydrophytic
4.				Vegetation Present? Yes X No
···		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet)			
	uie eneen,			

Profile Des	cription: (Describe	to the de	pth needed to doc	ument t	he indica	itor or co	onfirm the absence of	findicators.)
Depth (inches)	Matrix	0/	Redo	x Featur	res	1 2	Tautuna	Demedia
(inches)		- 70		70	Туре	LOC	Texture	Remarks
0-18	N 3/	90	7.5YR 4/4	10	С	PL/M	Loamy/Clayey	Prominent redox concentrations
					·			
	·							
					·			
	·							
					·			
¹ Type: C=C	concentration, D=Depl	etion, RM	I=Reduced Matrix, N	∕IS=Mas	ked Sand	l Grains.	² Location: Pl	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for	or Problematic Hydric Soils ³ :
Histoso	I (A1)		Polyvalue Belo	ow Surfa	ice (S8) (I	LRR R,	2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)		MLRA 149B	6)			Coast Pr	airie Redox (A16) (LRR K, L, R)
Black H	listic (A3)		Thin Dark Surf	face (S9)) (LRR R	, MLRA 1	49B) 5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma	Sands (S	511) (LRF	R K, L)	Polyvalue	e Below Surface (S8) (LRR K, L)
Stratifie	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)
Deplete	d Below Dark Surface	e (A11)	X Loamy Gleyed	l Matrix ((F2)		Iron-Man	iganese Masses (F12) (LRR K, L, R)
Thick D	ark Surface (A12)		Depleted Matr	ix (F3)			Piedmon	t Floodplain Soils (F19) (MLRA 149B)
Sandy M	Mucky Mineral (S1)		X Redox Dark S	urface (F	=6)		Mesic Sp	bodic (TA6) (MLRA 144A, 145, 149B)
Sandy (Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pare	ent Material (F21)
Sandy F	Redox (S5)		Redox Depres	sions (F	8)		Very Sha	allow Dark Surface (F22)
Stripped	d Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Su	urface (S7)							
³ Indicators of	of hydrophytic vegetat	ion and w	etland hydrology m	ust be pi	resent, ur	nless dist	urbed or problematic.	
Restrictive	Layer (if observed):							
Type:								
Depth (i	inches):						Hvdric Soil Presen	nt? Yes X No
Remarks:			Land Nathaast Das				0.0 to include the NDC	C Field Indianters of Undria Cails
Version 7.0	2015 Errata (http://w		usda.gov/Internet/F	SF DOC		S/nrcs14	2.0 10 Include the NRC 2p2 051293 docx)	S Field Indicators of Hydric Solls,
v 0101011 1.0,			doualgovinternetin	02_000	COMENT	0,11100111	()	

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 4/26/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet XX
Investigator(s): RF, CL	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Saddle Loca	al relief (concave, convex, none): none Slope %: 0-2
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.406545	Long: <u>-77.579780</u> Datum: <u>WGS 84</u>
Soil Map Unit Name: Howard-Madrid complex, undulating	NWI classification: None
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 Hydrologysignificantly distr	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

		Sec	ondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6)						
Surface Water (A1)		Drainage Patterns (B10)				
High Water Table (A2)		Moss Trim Lines (B16)				
Saturation (A3)		Dry-Season Water Table (C2)				
Water Marks (B1)		Crayfish Burrows (C8)				
Sediment Deposits (B2)	Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3)					
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6)	Geomorphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B8			FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes	No X Depth (inches):	Wetland Hy	drology Present? Yes No X			
(includes capillary fringe)		-				
Describe Recorded Data (stream gauge, mon	itoring well, aerial photos, previous inspec	ions), if availa	adle:			
Describe Recorded Data (stream gauge, mon	itoring well, aerial photos, previous inspec	ions), if availa	adie:			
Describe Recorded Data (stream gauge, mon	toring well, aerial photos, previous inspec	ions), if availa	adie:			
Describe Recorded Data (stream gauge, mon Remarks:	itoring well, aerial photos, previous inspec	ions), if availa	10ie:			
Describe Recorded Data (stream gauge, mon Remarks:	toring well, aerial photos, previous inspec	ions), if availa	adie:			
Describe Recorded Data (stream gauge, mon Remarks:	itoring well, aerial photos, previous inspec	ions), if availa	adie:			
Describe Recorded Data (stream gauge, mon Remarks:	itoring well, aerial photos, previous inspec	ions), if availa	adie:			
Describe Recorded Data (stream gauge, mon Remarks:	itoring well, aerial photos, previous inspec	ions), if availa	adie:			
Describe Recorded Data (stream gauge, mon Remarks:	itoring well, aerial photos, previous inspec	ions), if availa	adie:			
Describe Recorded Data (stream gauge, mon Remarks:	itoring well, aerial photos, previous inspec	ions), if availa	adie:			
Describe Recorded Data (stream gauge, mon Remarks:	itoring well, aerial photos, previous inspec	ions), if availa	adie:			
Describe Recorded Data (stream gauge, mon Remarks:	itoring well, aerial photos, previous inspec	ions), if availa	adie:			
Describe Recorded Data (stream gauge, mon	itoring well, aerial photos, previous inspec	ions), if availa	adie:			

Sampling Point: 1U @ Wet XX

Tree Streture (Diet size) 20	Absolute	Dominant	Indicator	Deminence Test werkeheet
<u>Tree stratum</u> (Plot size. <u>30</u>)	% Cover	Species?		Dominance Test worksheet:
	20	<u>Yes</u>		Number of Dominant Species
3. Ostrya virginiana 4.	5	NO	FACU	Total Number of Dominant Species Across All Strata: 5 (B)
5				Percent of Dominant Species That Are OBL_FACW_ or FAC: 20.0% (A/B)
7				Prevalence Index worksheet:
	35	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				$\begin{array}{c c c c c c c c c c c c c c c c c c c $
1. Rubus idaeus	15	Yes	FACU	FACW species $20 x 2 = 40$
2. Lonicera morrowii	20	Yes	FACU	FAC species $0 \times 3 = 0$
3.				FACU species 135 x 4 = 540
4.				UPL species 15 x 5 = 75
5.				Column Totals: 170 (A) 655 (B)
6.				Prevalence Index = $B/A = 3.85$
7.				Hydrophytic Vegetation Indicators:
	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Allium tricoccum	75	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Caulophyllum thalictroides	15	No	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Cardamine diphylla	10	No	FACU	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				The direction of the data and the data direction of the data and
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree Weedy plants 2 in (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Serling/abruh Weady plants loss than 2 in DDU
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb All borbassaus (non woody) planta, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vince All woody vince greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			,

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ument t	he indica	ator or co	onfirm the absence of i	ndicators.)		
Depth	Matrix		Redo	x Featur	res					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-10	10YR 3/2	100					Loamy/Clayey	No redox present		
10-18	10YR 4/4	100					Loamy/Clayey			
		·								
		.								
		·								
		·								
		• <u> </u>								
		·								
			_	_	_					
		·								
¹ Type: C=C(ncentration D-Den	letion RM	-Reduced Matrix M	/S-Mas	ked San	d Grains	² l ocation: Pl -	Pore Lining M-Matrix		
Hydric Soil	Indicators:			10-11103	ited Oan		Indicators for	Problematic Hydric Soils ³ :		
Histosol	(A1)		Polvvalue Belo	w Surfa	ce (S8) (LRR R.	2 cm Muck	(A10) (LRR K. L. MLRA 149B)		
Histic Ep	bipedon (A2)		MLRA 149B)	() (,	Coast Prai	rie Redox (A16) (LRR K, L, R)		
Black Hi	stic (A3)		Thin Dark Surf	, ace (S9) (LRR R	, MLRA	149B) 5 cm Muck	y Peat or Peat (S3) (LRR K, L, R)		
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	511) (LR	R K, L)	Polyvalue I	Below Surface (S8) (LRR K, L)		
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark Surface (S9) (LRR K, L)			
Depleted	Below Dark Surfac	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Manga	Iron-Manganese Masses (F12) (LRR K, L, R)		
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont I	Floodplain Soils (F19) (MLRA 149B		
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic Spo	dic (TA6) (MLRA 144A, 145, 149B)		
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Paren	t Material (F21)		
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Shallow Dark Surface (F22)			
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in Remarks)			
Dark Su	rface (S7)									
_										
³ Indicators of	f hydrophytic vegeta	tion and w	etland hydrology mu	ust be pi	resent, u	nless dist	urbed or problematic.			
Restrictive I	_ayer (if observed):									
Туре:										
Depth (ir	nches):						Hydric Soil Present?	? Yes <u>No X</u>		
Remarks:										
This data for	m is revised from No	orthcentral	and Northeast Regi	ional Su	Ipplemen	t Version	2.0 to include the NRCS	Field Indicators of Hydric Soils,		
Version 7.0,	2015 Errata. (http://	www.nrcs.u	usda.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)			

Stream Inventory

Observer:						Project Info	rmation:	
Name:	RF+CL	-				Name: Baron	Wind Project	4/06/0017
Weather:	70° F, Sur	ny				Number:_	13039 Date:	4/26/2017
Stream Na	me:	Stream XX						
Stream Locatio	n (nearest	road, structu	re, etc.) :	West of	f Jones Roa	ıd		
Adjacent Com	nunity:	Upland dec	iduous		-			
Stream Gradier	nt - gentle - mode - steep	erate	X					
Bank Width:	15-28'	_						
Stream Width:	15-25'	_						
Water Depth:	0-8"	-						
Substrate: - - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	X X X X X						
Instream Cove	r: - Unde - Over - Logs - Deep - Othe	ercut bank rhanging veg s/woody deb o pools er	etation ris	X X X				
Flow: - Perm - Inter	nanent rmittent	X						
Photo # Flag #'s	Stream X	x						
Additional Con Other stream fo	mments: eatures dra	<u>Several stre</u> in into wetla	ams in the nd/stream	area, main strean 1 XX	n feature i	s within Wetland	XX and drains we	<u>st.</u>

Environmental Design & Research

Project/Site: Baron Winds F	Project	ounty: Steuben County	Sa	ampling Date: 4/2	27/17	
Applicant/Owner: Everpo	ower Wind Holdings, Inc.		Sta	ate: NY	Sampling Point:	1W @ Wet YY
Investigator(s): RF, CL	Section, Township, Ran	ge: Town of Fr	emont			
Landform (hillside, terrace, et	c.): Depression/ seep	Local relief (co	oncave, convex, none): <u>co</u>	ncave	Slope %	: 3
Subregion (LRR or MLRA):	LRR R, MLRA 140 Lat:	: 42.407827	Long: -77.581357	,	Datum: W	GS 84
Soil Map Unit Name: Lordst	own-Arnot association, stee	ер	NWI cl	assification: P	PEM	
Are climatic / hydrologic conc	litions on the site typical for	r this time of year?	Yes <u>X</u> No	(If no, exp	olain in Remarks.)	
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Normal Circumst	ances" present	t? Yes <u>X</u> No	ວ <u> </u> ເ
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed, explain an	y answers in R	emarks.)	
SUMMARY OF FINDIN	GS – Attach site ma	p showing sampling	point locations, tran	sects, impo	ortant features	, etc.
Hydrophytic Vegetation Pres	sent? Yes X	No Is th	e Sampled Area			
Hydric Soil Present?	Yes X	No with	in a Wetland?	Yes X M	No	

Hydric Soil Present?	Yes X	No	within a Wetland? Yes X No							
Wetland Hydrology Present?	Yes X	No	If yes, optional Wetland Site ID: Wetland YY							
Remarks: (Explain alternative procedures here or in a separate report.)										

Wetland Hydrology Indicators:	Sec	ondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; check all that apply)		Surface Soil Cracks (B6)		
X Surface Water (A1) X Water-Stained Leaves (B	9) X	X Drainage Patterns (B10)		
X High Water Table (A2) Aquatic Fauna (B13)		Moss Trim Lines (B16)		
X Saturation (A3) Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1) Hydrogen Sulfide Odor (C	1)	Crayfish Burrows (C8)		
Sediment Deposits (B2) Oxidized Rhizospheres of	Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3) Presence of Reduced Iron	(C4)	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4) Recent Iron Reduction in	Filled Soils (C6)	Geomorphic Position (D2)		
Iron Deposits (B5) Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	s)	Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B8)	X	FAC-Neutral Test (D5)		
Field Observations:				
Surface Water Present? Yes X No Depth (inches):	5			
Water Table Present? Yes X No Depth (inches):	1			
Saturation Present? Yes X No Depth (inches):	0 Wetlend Uk	drology Present? Yes X No		
	0 wetiand Hy			
(includes capillary fringe)				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	ous inspections), if availa	ble:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	ous inspections), if availa	ible:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	ous inspections), if availa	able:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	ous inspections), if availa	uble:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev Remarks:	ous inspections), if availa	ible:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev Remarks:	ous inspections), if availa	ible:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev Remarks:	ous inspections), if availa	ible:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev Remarks:	ous inspections), if availa	uble:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev Remarks:	ous inspections), if availa	uble:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev Remarks:	ous inspections), if availa	ible:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev Remarks:	ous inspections), if availa	ible:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev Remarks:	ous inspections), if availa	ible:		

Sampling Point: <u>1W @ Wet YY</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3				Total Number of Dominant Species Across All Strata: 2 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1.				FACW species $45 \times 2 = 90$
2.				FAC species 25 x 3 = 75
3				FACU species $0 \times 4 = 0$
4				$\frac{1}{100} \text{ species} \qquad 0 \qquad x 5 = 0$
5				$\frac{1}{2} = \frac{1}{2} = \frac{1}$
3				
o				Prevalence index = B/A = 2.30
/				Hydrophytic vegetation indicators:
		= I otal Cover		1 - Rapid Test for Hydrophytic Vegetation
<u>Herb Stratum</u> (Plot size: <u>5</u>)				X 2 - Dominance Test is >50%
1. Impatiens capensis	35	Yes	FACW	X_3 - Prevalence Index is ≤3.0 ¹
2. Solidago sp.	25	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Poa palustris	10	No	FACW	data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric call and watland hydrology must
6.				be present, unless disturbed or problematic.
7.			,	Definitions of Vegetation Strata:
8.				
o				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height
3				diameter at breast height (DDH), regardless of height.
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12		=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				Undeenbadie
3			,	Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			•
	,			

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)									
Depth	Matrix		Redo	k Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-2	10YR 2/2	100					Loamy/Clayey		
2-10	10B 4/1	90	7.5YR 4/6	90	С	Μ	Loamy/Clayey	Prominent redox concentrations	
			<u> </u>						
¹ Tvpe: C=Co	ncentration. D=Dep	letion. RM		IS=Masl	ked Sand	Grains.	² Location: PL=	Pore Lining, M=Matrix,	
Hydric Soil I	ndicators:	,					Indicators for	Problematic Hydric Soils ³ :	
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck	(A10) (LRR K, L, MLRA 149B)	
Histic Ep	ipedon (A2)		MLRA 149B)			Coast Prair	ie Redox (A16) (LRR K, L, R)	
Black His	stic (A3)		Thin Dark Surf	ace (S9)	(LRR R	, MLRA 1	149B) 5 cm Muck	y Peat or Peat (S3) (LRR K, L, R)	
Hydrogei	n Sulfide (A4)		High Chroma S	Sands (S	511) (LRF	R K, L)	Polyvalue E	Below Surface (S8) (LRR K, L)	
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark Surface (S9) (LRR K, L)		
X Depleted	Below Dark Surface	e (A11)	X Loamy Gleyed	Matrix (F2)		Iron-Manga	anese Masses (F12) (LRR K, L, R)	
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmont F	Floodplain Soils (F19) (MLRA 149B)	
Sandy M	ucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic Spoo	dic (TA6) (MLRA 144A, 145, 149B)	
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent	t Material (F21)	
Sandy R	edox (S5)		Redox Depress	sions (F8	3)		Very Shallo	ow Dark Surface (F22)	
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Expl	lain in Remarks)	
Dark Sur	face (S7)								
3									
Indicators of	hydrophytic vegetat	tion and w	etland hydrology mu	ist be pr	esent, ur	iless dist	urbed or problematic.		
Type.	ayer (if observed):								
Dopth (in	abaa):						Hydria Sail Bracant?		
Depth (in	icnes).						Hydric Soll Present?		
Remarks:									
I his data for	n is revised from No 2015 Errata (http://v	orthcentral	and Northeast Regi	onal Su	Diemeni	Version	2.0 to include the NRCS	Field Indicators of Hydric Solis,	
Version 7.0, 7		ww.mcs.				0/11/0314	2p2_001200.000x)		

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 4/27/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet YY
Investigator(s): RF, CL	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Hillslope Loca	al relief (concave, convex, none): none Slope %: 3
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.407836	Long:77.581386 Datum: WGS 84
Soil Map Unit Name: Lordstown-Arnot association, steep	NWI classification: None
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 Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	matic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	·

Wetland Hydrology Indicators:					Secondary Indicators (min	imum of two required)		
Primary Indicators (minimum of one is required; check all that apply)					Surface Soil Cracks (E	36)		
Surface Water (A1) Water-Stained Leaves (B9)					Drainage Patterns (B10)			
High Water Table (A2) Aquatic Fauna (B13)					Moss Trim Lines (B16)	Moss Trim Lines (B16)		
Saturation (A3)		Marl De	eposits (B15)	Dry-Season Water Ta	Dry-Season Water Table (C2)			
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on Living R	oots (C3)	Saturation Visible on A	Aerial Imagery (C9)		
Drift Deposits (B3)		Presen	ce of Reduced Iron (C4)		Stunted or Stressed P	lants (D1)		
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled Soi	ls (C6)	Geomorphic Position ((D2)		
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3)			
Inundation Visible on Aeria	al Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relie	ef (D4)		
Sparsely Vegetated Conca	ave Surface (Ba	8)			FAC-Neutral Test (D5))		
Field Observations:								
Surface Water Present?	Yes	No X	Depth (inches):					
Water Table Present?	Yes	No X	Depth (inches):					
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X		
(includes capillary fringe)								
Describe Recorded Data (strea	am gauge, mor	nitoring well,	aerial photos, previous insp	ections), if	available:			
Remarks:								

Sampling Point: 1U @ Wet YY

	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test worksheet:		
1. Fagus grandifolia	80	Yes	FACU	Number of Dominant Species		
2. Acer saccharum	25	Yes	FACU	That Are OBL, FACW, or FAC: 0 (A)		
 Ostrya virginiana 	10	No	FACU	Total Number of Dominant Species Across All Strata: 5 (B)		
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)		
7.				Prevalence Index worksheet:		
	115	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15)		•		OBL species 0 x 1 = 0		
1. Fagus grandifolia	25	Yes	FACU	FACW species $0 x 2 = 0$		
2.				FAC species $0 \times 3 = 0$		
3.				FACU species 215 x 4 = 860		
4.	-			UPL species 25 x 5 = 125		
5.				Column Totals: 240 (A) 985 (B)		
6				$\frac{1}{2} = \frac{1}{2} = \frac{1}$		
7.		·		Hydrophytic Vegetation Indicators:		
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%		
1 Allium tricocoum	75	Voc	FACU	$\frac{2}{3} \operatorname{Provolence Index is < 30^{1}}$		
2 Enthronium amaricanum	- 75	<u> </u>		5 - Prevalence index is \$5.0		
2. Erythronium americanum	20	<u> </u>	UFL	data in Remarks or on a separate sheet)		
4	10			Problematic Hydrophytic Vegetation ¹ (Explain)		
5				¹ Indicators of hydric soil and wetland hydrology must		
6		·		be present, unless disturbed or problematic.		
/				Definitions of Vegetation Strata:		
9.		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
10		·		Sapling/shrub – Woody plants less than 3 in. DBH		
12		·				
12	110	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.		
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.		
2.						
3.				Hydrophytic		
4.				Vegetation Present? Yes No X		
		=Total Cover				
Remarks: (Include photo numbers here or on a sena	urate sheet)					

Profile Des	cription: (Describe	to the de	pth needed to docu	iment t	he indica	tor or co	onfirm the absence of i	indicators.)
Depth	Matrix		Redox	<pre>< Featur</pre>	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 3/2	100					Loamy/Clayey	
6-8	10YR 4/3	50					Loamy/Clayey	
	10YR 3/2	50						
8-12	10YR 4/4	100					Loamy/Clayey	
1 T urney C C							21 a satismy DI	Dava Lining M. Matrix
Hydric Soil	Indicators	ielion, Riv	I=Reduced Matrix, IV	io=ivias	keu Sand	Grains.	Indicators for	Problematic Hydric Soils ³
Histosol	(A1)		Polvvalue Belo	w Surfa	ce (S8) (LRR R.	2 cm Muc	k (A10) (LRR K. L. MLRA 149B)
Histic E	pipedon (A2)		MLRA 149B)	()(,	Coast Pra	airie Redox (A16) (LRR K, L, R)
Black H	istic (A3)		Thin Dark Surfa	ace (S9) (LRR R	MLRA 1	49B) 5 cm Muc	ky Peat or Peat (S3) (LRR K. L. R)
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	511) (I RI	8 K. I.)	Polyvalue	Below Surface (S8) (I BB K, I)
Stratifie	d Lavers (A5)		Loamy Mucky I	Mineral	(F1) (I R	акі) акі)	Thin Dark	Surface (S9) (I RR K I)
	d Below Dark Surface	- (Δ11)	Loamy Gleved	Matrix ((F2)	ιι, μ)	Iron-Mang	(E12) (EREK, E)
Depiete	ark Surface (A12)	5 (ATT)	Loainy Cleyed	(E2)	12)		lion-many	Eloodolain Soile (E10) (MI DA 1400)
	Arr Sullace (A12)		Depleted Math	х (ГЗ) штааа (Г	-0)		Pieumoni	
Sandy in	Nucky Mineral (S1)		Redux Dark Su	mace (F	-0) (F7)		Nesic Spc	Juic (176) (MLRA 144A, 145, 149B)
Sandy C	Sieyed Matrix (S4)		Depleted Dark	Sunace	e (F7)		Red Parer	ht Material (F21)
Sandy F	Redox (S5)		Redox Depress		8)		Very Shall	low Dark Surface (F22)
Stripped Dark Su	d Matrix (S6) Irface (S7)		Marl (F10) (LR	R K, L)			Other (Exp	plain in Remarks)
³ Indicators c	of hydrophytic vegetat	tion and w	etland hydrology mu	ist be pi	resent, ur	nless dist	urbed or problematic.	
Type:	Rocky St	ubstrate						
Depth (i	nches):	12					Hydric Soil Present	? Yes <u>No X</u>
Remarks: This data for Version 7.0,	rm is revised from No 2015 Errata. (http://v	orthcentral vww.nrcs.	and Northeast Regi usda.gov/Internet/FS	onal Su SE_DOC	ipplemen CUMENT	t Version S/nrcs14	2.0 to include the NRCS 2p2_051293.docx)	S Field Indicators of Hydric Soils,

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 4/27/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet ZZ
Investigator(s): RF, CL	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Hill slope/seep Local	relief (concave, convex, none): convex Slope %: 5
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.408403	Long: -77.581308 Datum: WGS 84
Soil Map Unit Name: Lordstown-Arnot association, steep	NWI classification: PEM
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 Hydrologysignificantly distu	rbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	Х	No	Is the Sampled Area
Hydric Soil Present?	Yes	Х	No	within a Wetland? Yes X No
Wetland Hydrology Present?	Yes	Х	No	If yes, optional Wetland Site ID: Wetland ZZ
Remarks: (Explain alternative procedures h	ere or	in a se		

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)					
X Surface Water (A1)	Drainage Patterns (B10)					
X High Water Table (A2)	High Water Table (A2) Aquatic Fauna (B13)					
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface (C7)		X Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present? Yes X	No Depth (inches): 2					
Water Table Present? Yes X						
	iration Present? Yes X No Depth (inches): 0 Wetlan					
Saturation Present? Yes X	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, more	No Depth (inches):	Wetlan ctions), if a	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor	No Depth (inches):	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor	No Depth (inches):	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches):	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches):	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches):	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches):	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches):	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No			
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): 0	Wetlan	d Hydrology Present? Yes X No			

Sampling Point: <u>1W @ Wet ZZ</u>

1.	Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
3.	1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
5.	3. 4.				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
7.	5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
	7				Prevalence Index worksheet:
Saeling/Shrub Stratum (Plot size:1 1 FAC species			=Total Cover		Total % Cover of: Multiply by:
1.	Sapling/Shrub Stratum (Plot size: 15)				OBL species <u>5</u> x 1 = <u>5</u>
2.	1				FACW species 90 x 2 = 180
3.	2				FAC species 0 x 3 = 0
4.	3				FACU species <u>15</u> x 4 = <u>60</u>
5.	4				UPL species x 5 =
6.	5				Column Totals: 110 (A) 245 (B)
7.	6				Prevalence Index = B/A =2.23
Herb Stratum (Plot size:5.)	7				Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size:			=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
1. Carex sp. 60 Yes FACW X 3 - Prevalence Index is ≤3.0 ¹ 2. Impatiens capensis 30 Yes FACW 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 3. Solidago sp. 15 No FACU - Problematic Hydrophytic Vegetation ¹ (Explain) 5. No OBL Problematic Hydrophytic Vegetation ¹ (Explain) 6.	Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
2. Impatiens capensis 30 Yes FACW 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 3. Solidago sp. 15 No FACU Problematic Hydrophytic Vegetation ¹ (Explain) 5. No OBL Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6.	1. Carex sp.	60	Yes	FACW	X_3 - Prevalence Index is $\leq 3.0^1$
3. Solidago sp. 15 No FACU data in Remarks or on a separate sheet) 4. Rumex orbiculatus 5 No OBL Problematic Hydrophytic Vegetation ¹ (Explain) 5.	2. Impatiens capensis	30	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
4. Rumex orbiculatus 5 No OBL Problematic Hydrophytic Vegetation ¹ (Explain) 5.	3. Solidago sp.	15	No	FACU	data in Remarks or on a separate sheet)
5.	4. Rumex orbiculatus	5	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
6.	5.				1 Indiantana af hudaia a sil and wattan d hudaala muanut
7.	6.				be present, unless disturbed or problematic.
8.	7.				Definitions of Vegetation Strata:
9.	8.				Tree Weeds plants 2 in (7.0 em) en mens in
10.	9.				diameter at breast height (DBH), regardless of height.
11.	10.				
12.	11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
	12				Herb – All herbaceous (non-woody) plants, regardless
Woody Vine Stratum (Plot size:30) 1.		110	=Total Cover		of size, and woody plants less than 3.28 ft tall.
2.	Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
3.	2.				
4	3				Hydrophytic Vegetation
Remarks: (Include photo numbers here or on a separate sheet.)	4				Present? Yes X No
Remarks: (Include photo numbers here or on a separate sheet.)			=Total Cover		
	Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redox	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR 2/1	100					Loamy/Clayey	
2-6	10B 2.5/1	100	10YR 4/6	30	С	М	Loamy/Clayey	Prominent redox concentrations
		·						
		·						
		·						
		·						
		·						
		·						
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, M	1S=Mas	ked Sanc	l Grains.	² Location: Pl	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators fo	or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	_RR R,	2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B)			Coast Pr	airie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9)			149B)5 cm Muo	cky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma S	ands (S	511) (LRF (E4) (LRF	(K,L)	Polyvalue	
Stratified	d Layers (A5)	- (Matrix	(F1) (LRI F0)	κκ, L)	Inin Dari	K Sufface (S9) (LRR K, L)
Depieted	a Below Dark Surface	e (ATT)	Loamy Gleyed	Matrix (FZ)		Iron-Man	t Floodploin Soile (F12) (LRR K, L, R)
Thick Da	AIK SUITACE (ATZ)		Depieted Math	х (го) urfo.co. (Б	()		Pleamon	
Sandy N	Nucky Milleral (ST)		Redux Dark St	Surface (F	(E7)		Niesic Sp	Dould (TAO) (MERA 144A, 145, 149B)
Sandy G	Beyeu Mainx (54)		Depleted Dark	Sunace	(<i>Г1</i>)			ent Material (F21)
Sandy R	(edux (SS)		Mart (F10) (LB		0)		Very Sha	allow Dark Sullace (F22)
Supped Dark Su	rface (S7)		Man (F10) (LR	r r, l)				xplain in Remarks)
³ Indicators o	f hydrophytic vegetat	tion and w	etland hydrology mu	ist be pr	resent, ur	less dist	urbed or problematic.	
Restrictive	Layer (if observed):							
Type:	Rocky su	lbstrate						
Depth (ii	nches):	6					Hydric Soil Presen	nt? Yes X No
Remarks:								
This data for	m is revised from No	orthcentral	and Northeast Regi	ional Su	pplement	Version	2.0 to include the NRC	CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	www.nrcs.	usda.gov/Internet/FS	SE_DOC	JUMENT	S/nrcs14	2p2_051293.docx)	
Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 4/27/2017							
---	---							
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet ZZ							
Investigator(s): RF, CL	Section, Township, Range: Town of Fremont							
Landform (hillside, terrace, etc.): Hillslope Loc	al relief (concave, convex, none): none Slope %: 5							
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.408304	Long: -77.581296 Datum: WGS 84							
Soil Map Unit Name: Lordstown-Arnot association, steep	NWI classification: none							
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 Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No							
Are Vegetation, Soil, or Hydrologynaturally problem	matic? (If needed, explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map showing sa	mpling 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	·

Wetland Hydrology Indicators:		<u>-</u>	Secondary Indicators (mining	mum of two required)	
Primary Indicators (minimum of one is require		Surface Soil Cracks (B6)			
Surface Water (A1)	Water-Stained Leaves (B9)	_	Drainage Patterns (B10)		
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)		
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on A	erial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)	_	Stunted or Stressed Pla	ants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (I	D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relie	f (D4)	
Sparsely Vegetated Concave Surface (B8	3)	_	FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes	No X Depth (inches):				
Water Table Present? Yes	No X Depth (inches):				
Saturation Present? Yes	No X Depth (inches):	Wetland	Hydrology Present?	Yes No X	
(includes capillary fringe)					
Describe Recorded Data (stream gauge, mon	itoring well, aerial photos, previous inspe-	ctions), if av	/ailable:		
Remarks:					

Sampling Point: 1U @ Wet ZZ

	Absolute	Dominant	Indicator	Deminence Test werkehest			
<u>Tree stratum</u> (Plot size. <u>30</u>)	% Cover	Species?		Dominance Test worksneet:			
		Vec		Number of Dominant Species			
	30	res	FACU	$\begin{array}{c} \text{That Ale OBL, FACW, of FAC.} \\ $			
4.				Total Number of Dominant Species Across All Strata: 4 (B)			
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)			
7.				Prevalence Index worksheet:			
	85	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0			
1.				FACW species $0 x 2 = 0$			
2.				FAC species $0 \times 3 = 0$			
3.				FACU species 135 x 4 = 540			
4.				UPL species 55 x 5 = 275			
5.				Column Totals: 190 (A) 815 (B)			
6.				Prevalence Index = $B/A = 4.29$			
7.				Hydrophytic Vegetation Indicators:			
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%			
1. Allium tricoccum	50	Yes	FACU	$3 - Prevalence Index is \leq 30^{1}$			
2. Dicentra canadensis	35	Yes	UPL	4 - Morphological Adaptations ¹ (Provide supporting			
3. Erythronium americanum	10	No	UPL	data in Remarks or on a separate sheet)			
4. Caulophyllum thalictroides	10	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)			
5.				¹ Indiastars of hydric coil and watland hydrology must			
6.				be present, unless disturbed or problematic.			
7.				Definitions of Vegetation Strata:			
8.				Tree Woody plants 2 in (7.6 cm) or more in			
9.				diameter at breast height (DBH), regardless of height.			
10.				Senting / shrub Weady plants loss than 2 in DDU			
11.				and greater than or equal to 3.28 ft (1 m) tall.			
12.				Herb All berbasseus (non weedu) plante, regardiese			
	105	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in			
1				height.			
2.							
3.				Hydrophytic			
4.				Present? Yes No X			
		=Total Cover					
Remarks: (Include photo numbers here or on a sepa	rate sheet.)						

Profile Desc	cription: (Describe	to the dep	oth needed to docu	ument t	he indica	ator or co	onfirm the absence of	of indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-1	10YR 3/2	100					Loamy/Clayey	
1-3	10YR 4/4	100					Loamy/Clayey	
¹ Type: C=C	oncentration. D=Dep	letion. RM	=Reduced Matrix. M	1S=Mas	ked Sand	d Grains.	² Location:	PL=Pore Lining, M=Matrix,
Hydric Soil	Indicators:						Indicators	for Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm M	uck (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B)			Coast F	Prairie Redox (A16) (LRR K, L, R)
Black Hi	istic (A3)		Thin Dark Surf	ace (S9)) (LRR R	, MLRA 1	49B) <u>5 cm M</u>	ucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	511) (LRI	R K, L)	Polyval	ue Below Surface (S8) (LRR K, L)
	d Layers (A5) d Bolow Dork Surfoor	(A11)		Motrix ((F1) (LR I	κκ, L)	I nin Da	Ark Sufface (S9) (LRR K, L)
Depieted	u Below Dark Sullace	e (ATT)	Loany Gleyeu	wanx (v (F3)	FZ)		IIOII-IVIa Piedmo	nganese Masses (F12) (LKK K, L, K)
Sandy M	Aucky Mineral (S1)		Bedox Dark Si	rface (F	-6)		Nesic S	Spodic (TA6) (MI RA 144A 145 149B)
Sandy G	Sleved Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pa	rent Material (F21)
Sandy B	2edox (\$5)		Bedox Depress	sions (F	8)		Verv St	pallow Dark Surface (E22)
Oandy N	Matrix (S6)		Marl (E10) (I P		0)		Other (I	Evolain in Remarks)
Dark Su	Inface (S7)			IX IX, ⊑)				
³ Indicators o	f hydrophytic vegetat	ion and w	etland hydrology mu	ist be pi	resent, ur	nless dist	urbed or problematic.	
Restrictive	Layer (if observed):							
Type:	Rocky Substrate	and tree i	oots					
Depth (ii	nches):						Hydric Soil Prese	ent? Yes <u>No X</u>
Remarks:	un in un in al fuero Na	where a setural	and Narthaast Daai	anal Cu		/ :	0.0 to include the ND	CC Field Indicators of Lindric Colle
Version 7.0,	2015 Errata. (http://v	ww.nrcs.u	usda.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)	CS Field indicators of Hydric Solis,
	· ·		0				, _ ,	

Stream Inventory

Observer:					Projec	t Infor	mation:	
Name:	RF+CL	_			Name:	_ Baron V	Vind Project	
Weather:	70° F, Sui	nny			Number	:_	13039 Date:	4/27/2017
Stream Na	me:	Stream ZZ						
Stream Location	n (nearest	road, structu	re, etc.) :	South of Canfie	eld Rd, Turbine 65			
Adjacent Comr	nunity:	Upland dec	iduous					
Stream Gradier	nt - gentle - mode - steep	erate	X X					
Bank Width:	3-5'	-						
Stream Width:	2-4'	-						
Water Depth:	1-6"	-						
Substrate: - - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	x x x x x x						
Instream Cover	r: - Unde - Ove - Logs - Deej - Othe	ercut bank rhanging veg s/woody deb p pools er	retation pris	X X				
Flow: - Perm - Inter	nanent rmittent	X						
Photo # Flag #'s	Stream Z	Z						
Additional Cor	nments: _	<u>Stream flow</u>	<u>vs south</u>					

Environmental Design & Research

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 4/27/2017							
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet 3B							
Investigator(s): RF, CL Section, Township, Range: Town of Fremont								
Landform (hillside, terrace, etc.): saddle depression Loca	I relief (concave, convex, none): <u>concave</u> Slope %: <u>0-2</u>							
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.406963	Long: <u>-77.580013</u> Datum: <u>WGS 84</u>							
Soil Map Unit Name: Chenango channery silt loam, fan	NWI classification: PFO							
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 Hydrologysignificantly distu	urbed? Are "Normal Circumstances" present? Yes X No							
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map showing sar	npling point locations, transects, important features, etc.							

Hydrophytic Vegetation Present?	Yes		No <u>X</u>	Is the Sampled Area				
Hydric Soil Present?	Yes	Х	No	within a Wetland? Yes X No				
Wetland Hydrology Present?	Yes	Х	No	If yes, optional Wetland Site ID: Wetland 3B				
Remarks: (Explain alternative procedures here or in a separate report.)								

		Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; check all that ap	pply)	Surface Soil Cracks (B6)		
X Surface Water (A1) Water-Staine	Drainage Patterns (B10)			
X High Water Table (A2) Aquatic Faun	Moss Trim Lines (B16)			
X Saturation (A3) Marl Deposits	s (B15)	Dry-Season Water Table (C2)		
Water Marks (B1) Hydrogen Sul	lfide Odor (C1)	Crayfish Burrows (C8)		
Sediment Deposits (B2) X Oxidized Rhiz	zospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3) Presence of F	Reduced Iron (C4)	Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4) Recent Iron F	Reduction in Tilled Soils (C6)	X Geomorphic Position (D2)		
Iron Deposits (B5) Thin Muck Su	urface (C7)	Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain	n in Remarks)	Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D5)		
Field Observations:				
Surface Water Present? Yes X No Dep	th (inches): 5			
Water Table Present? Yes X No Dep	th (inches): 2			
Saturation Present? Yes X No Dep	th (inches): 0 Wetland	Hydrology Present? Yes X No		
	· · · · ·			
(includes capillary fringe)				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial	photos, previous inspections), if a	vailable:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial	photos, previous inspections), if a	vailable:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial	photos, previous inspections), if a	vailable:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial Remarks:	photos, previous inspections), if a	vailable:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial Remarks:	photos, previous inspections), if a	vailable:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial Remarks:	photos, previous inspections), if a	vailable:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial Remarks:	photos, previous inspections), if a	vailable:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial Remarks:	photos, previous inspections), if a	vailable:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial Remarks:	photos, previous inspections), if a	vailable:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial Remarks:	photos, previous inspections), if a	vailable:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial Remarks:	photos, previous inspections), if a	vailable:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial Remarks:	photos, previous inspections), if a	vailable:		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial Remarks:	photos, previous inspections), if a	vailable:		

Sampling Point: <u>1W @ Wet 3B</u>

	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:			
1. Fraxinus pennsylvanica	40	Yes	FACW	Number of Dominant Species			
2. Fagus grandifolia	5	No	FACU	That Are OBL, FACW, or FAC:(A)			
3. <u>Carpinus</u>	5	No	FAC	Total Number of Dominant Species Across All Strata: 2 (B)			
5							
6				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)			
7				Prevalence Index worksheet:			
	50	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0			
1				FACW species 50 x 2 = 100			
2				FAC species 5 x 3 = 15			
3				FACU species 70 x 4 = 280			
4.				UPL species 0 x 5 = 0			
5.				Column Totals: 125 (A) 395 (B)			
6.				Prevalence Index = B/A = 3.16			
7.				Hydrophytic Vegetation Indicators:			
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%			
1. Geranium maculatum	60	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹			
2. Carex sp.	10	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting			
3. Solidado sp.	5	No	FACU	data in Remarks or on a separate sheet)			
4				Problematic Hydrophytic Vegetation ¹ (Explain)			
5		. <u> </u>		¹ Indicators of hydric soil and wetland hydrology must			
6				be present, unless disturbed or problematic.			
<i>1.</i>				Definitions of vegetation Strata:			
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10				Sanling/shrub – Woody plants less than 3 in DBH			
11				and greater than or equal to 3.28 ft (1 m) tall.			
12				Herb – All herbaceous (non-woody) plants, regardless			
	75	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in			
1				height.			
2				Liverante dia			
3				Vegetation			
4				Present? Yes No X			
		=Total Cover					
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			•			

SOIL

Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 3/1	95	7.5YR 4/4	5	С	PL/M	Loamy/Clayey	Prominent redox concentrations
8-12	10YR 5/1	70	10YR 5/8	30	C	M	Loamy/Clayey	Prominent redox concentrations
						·		
¹ Type: C=Co	ncentration, D=Dep	letion, RM	I=Reduced Matrix, N	MS=Masl	ked Sand	d Grains.	² Location: F	PL=Pore Lining, M=Matrix.
Hydric Soil Ir	ndicators:						Indicators f	or Problematic Hydric Soils ³ :
Histosol ((A1)		Polyvalue Belo	ow Surfa	ce (S8) (LRR R,	2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)
Histic Epi	pedon (A2)		MLRA 149B	B)			Coast P	rairie Redox (A16) (LRR K, L, R)
Black His	tic (A3)		Thin Dark Surf	face (S9)) (LRR R	, MLRA 1	1 49B) 5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)
Hydrogen	n Sulfide (A4)		High Chroma	Sands (S	511) (LR	R K, L)	Polyvalu	ue Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)
X Depleted	Below Dark Surface	e (A11)	Loamy Gleved	Matrix (F2)	. ,	Iron-Ma	nganese Masses (F12) (LRR K. L. R)
Thick Dar	rk Surface (A12)		Depleted Matri	ix (F3)	,		Piedmo	nt Floodplain Soils (F19) (MLRA 149E
Sandy M	ucky Mineral (S1)		X Redox Dark Si	urface (F	6)		Mesic S	Spodic (TA6) (MI RA 144A 145 1498)
Sandy Gl	eved Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	rent Material ($F21$)
Sandy Br	odox (S5)		Depicted Dark	cione (E	D)		Non/ Sh	vallow Dark Surface (E22)
Sanuy Re					5)		very Sn	
Stripped I Dark Surf	face (S7)		Mari (F10) (LR	(R K, L)				xplain in Remarks)
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology m	ust be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (inc	ches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks: This data forn	n is revised from No	orthcentral	and Northeast Reg	jional Su	pplemen	t Version	2.0 to include the NR	CS Field Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/F	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Baron Winds Project	City/County:	Steuben County	Sampling Date: 4/27/2017
Applicant/Owner: Everpower Wind Holding	gs, Inc.	State:	NY Sampling Point: 10 @ Wet 3B
Investigator(s): RF, CL	Sec	ion, Township, Range: <u>Tov</u>	vn of Fremont
Landform (hillside, terrace, etc.): Slight hills	ppe Local relief (concave	, convex, none): <u>none</u>	Slope %: 0-5
Subregion (LRR or MLRA): LRR R, MLRA 14	0 Lat: <u>42.406862</u>	Long: -77.579865	Datum: WGS 84
Soil Map Unit Name: Chenango channery silt	loam, fan	NWI classifica	ition: none
Are climatic / hydrologic conditions on the site t	ypical for this time of year? Ye	s <u>X</u> No(If	no, explain in Remarks.)
Are Vegetation, Soil, or Hydrold	ogysignificantly disturbed? A	e "Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrold	ogynaturally problematic? (If	needed, explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS – Attach s	ite map showing sampling point	locations, transects	, important features, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes NoX If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indicators	5:				Secondary Indicators (min	nimum of two required)			
Primary Indicators (minimum of one is required; check all that apply)					Surface Soil Cracks (I	Surface Soil Cracks (B6)			
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B	10)			
High Water Table (A2)		Aquatio	: Fauna (B13)		Moss Trim Lines (B16	6)			
Saturation (A3)		Marl De	eposits (B15)		Dry-Season Water Ta	able (C2)			
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8))			
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on Living F	Roots (C3)	Saturation Visible on	Aerial Imagery (C9)			
Drift Deposits (B3)		Presen	ce of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)			
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled So	ils (C6)	Geomorphic Position	(D2)			
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3))			
Inundation Visible on Aeria	l Imagery (B7)	Other (Explain in Remarks)		Microtopographic Reli	ief (D4)			
Sparsely Vegetated Concar	ve Surface (B8	8)			FAC-Neutral Test (D5	5)			
Field Observations:									
Surface Water Present? Y	'es	No X	Depth (inches):						
Water Table Present? Y	′es	No X	Depth (inches):						
Saturation Present? Y	′es	No X	Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X			
(includes capillary fringe)									
Describe Recorded Data (stread	m gauge, mon	nitoring well,	aerial photos, previous insp	pections), if	available:				
Remarks:									

Sampling Point: 1U @ Wet 3B

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet
1. Fagus grandifolia	50	Yes	FACU	Dominance rest worksheet.
2. Tsuga canadensis	10	<u> </u>	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
3.				()
4.				Species Across All Strata: 2 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
	60	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =0
1				FACW species 0 x 2 = 0
2				FAC species 0 x 3 = 0
3				FACU species <u>150</u> x 4 = <u>600</u>
4				UPL species 10 x 5 = 50
5				Column Totals: 160 (A) 650 (B)
6				Prevalence Index = B/A = 4.06
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Allium tricoccum	90	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Erythronium americanum	5	No	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Caulophyllum thalictroides	5	No	UPL	data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a separation of the sep	rate sheet.)			

Profile Des	cription: (Describe	to the dep	oth needed to docu	ument ti	he indica	ator or co	onfirm the absence	e of indica	ators.)	
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rema	rks
0-5	10YR 3/2	100					Loamy/Clayey			
5-12	10YR 4/4	100					Loamy/Clayey			
								-		
	- <u></u>									
	<u></u>									
								_		
	·									
	<u></u>									
								_		
	· ·									
¹ Type: C=C	oncentration, D=Dep	pletion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location:	PL=Pore	e Lining, M=Ma	atrix.
Hydric Soil	Indicators:						Indicator	s for Prob	plematic Hydr	ic Soils ³ :
Histosol	l (A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm	Muck (A1	0) (LRR K, L,	MLRA 149B)
Histic E	pipedon (A2)		MLRA 149B)				Prairie R	edox (A16) (L	RR K, L, R)
Black H	istic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA 1	149B) <u>5</u> cm	Mucky Pe	at or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	611) (LRI	R K, L)	Polyv	alue Belov	w Surface (S8)) (LRR K, L)
Stratifie	d Layers (A5)	(.)	Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin [Dark Surfa	ace (S9) (LRR	K, L)
	d Below Dark Surfac	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-N	langanes	e Masses (F12	2) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri	X (F3)			Plean		apiain Solis (F	19) (MLRA 149B)
Sandy N	Nucky Mineral (S1)		Redux Dark St	Surfooo	·0)		IVIESIC	; Spould (Parant Mai	IAO) (IVILKA I toriol (E21)	44A, 145, 149D)
Sandy E	Podox (S5)		Depieted Dark		;(<i>Г1)</i> 9)				ark Surface (F	222)
Stripper	Matrix (S6)		Marl (F10) (I R		0)		Very 5	(Evolain i	in Remarks)	22)
Dark Su	Inface (S7)			.ix ix, ⊑)					in Remarks)	
	(
³ Indicators o	of hydrophytic vegeta	tion and w	etland hydrology mu	ust be pi	resent, ui	nless dist	urbed or problemati	с.		
Restrictive	Layer (if observed):	:								
Туре:										
Depth (i	nches):						Hydric Soil Pres	sent?	Yes	<u>No X</u>
Remarks:										
This data for	rm is revised from No	orthcentral	and Northeast Reg	ional Su	pplemen	t Version	2.0 to include the N	IRCS Fiel	d Indicators of	Hydric Soils,
Version 7.0,	2015 Errata. (http://	www.nrcs.u	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)			

Project/Site: Baron Winds Project	City/Co	City/County: <u>Steuben County</u> Sampling Date: <u>1</u>						
Applicant/Owner: Everpower Wind Holdi	ngs, Inc.	State: NY	Sampling Point: 1W @ Wet 3C					
Investigator(s): RF, CL		Section, Township, Range: Town of Fr	emont					
Landform (hillside, terrace, etc.): Hilltop	Local relief (cr	oncave, convex, none): <u>concave</u>	Slope %: 1					
Subregion (LRR or MLRA): LRR R, MLRA 1	140 Lat: 42.428031	Long: -77.599998	Datum: WGS 84					
Soil Map Unit Name: VoC - Volusia channer	ry silt loam, 8 to 15 percent slopes	NWI classification: C)W					
Are climatic / hydrologic conditions on the site	e typical for this time of year?	Yes X No (If no, exp	olain in Remarks.)					
Are Vegetation, Soil, or Hydro	ologysignificantly disturbed?	Are "Normal Circumstances" present	t? Yes X No					
Are Vegetation, Soil, or Hydro	ologynaturally problematic?	(If needed, explain any answers in R	.emarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.								
Hydrophytic Vegetation Present?	Yes X No Is th	e Sampled Area						

Hydric Soil Present?	Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present?	Yes X No	If yes, optional Wetland Site ID: Wetland 3C
Remarks: (Explain alternative procedures Wetland is a man-made pond located on t	s here or in a separate report.) the top of a hill	

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

Sampling Point: <u>1W @ Wet 3C</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species $30 \times 1 = 30$
, 1				FACW species $0 \times 2 = 0$
2				EAC species $20 \times 3 = 60$
2				$\frac{1}{20} \times 0 = \frac{1}{20}$
		·		
4				$\begin{array}{c} \text{OPL species} \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $
5				$\begin{array}{c} \text{Column I otals:} 50 \qquad (A) 90 (B) \\ \end{array}$
6				Prevalence Index = B/A =1.80
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Typha latifolia	30	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Echinochloa crus-galli	20	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
· · · · · · · · · · · · · · · · · · ·				¹ Indicators of hydric soil and wetland hydrology must
б		·		be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
				or size, and woody plants less than 3.20 it tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Depth	Matrix		Redo	ox Featu	res					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rema	arks
								Wetla	nd is an open	water feature witl
									l/rook outotro	to on the bottom
					·			grave	a/TOCK SUDSITA	
					·					
					·					
¹ Type: C=Co	oncentration, D=Dep	letion, RM	l=Reduced Matrix, I	MS=Mas	ked Sand	d Grains.	² Location:	PL=Pore	e Lining, M=M	atrix.
Hydric Soil I	ndicators:						Indicators	s for Prol	blematic Hyd	ric Soils ³ :
Histosol	(A1)		Polyvalue Bel	ow Surfa	ice (S8) (LRR R,	2 cm l	Muck (A1	0) (LRR K, L,	MLRA 149B)
Histic Ep	vipedon (A2)		MLRA 149E	B)			Coast	Prairie R	edox (A16) (L	.RR K, L, R)
Black His	stic (A3)		Thin Dark Sur	face (S9) (LRR R	, MLRA 1	1 49B) 5 cm l	Mucky Pe	eat or Peat (S3	B) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma	Sands (S	S11) (LRI	R K, L)	Polyva	alue Belo	w Surface (S8	6) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin D	Dark Surfa	ace (S9) (LRR	κ, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	d Matrix ((F2)		Iron-N	langanes	e Masses (F1	2) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matr	ix (F3)			Piedm	ont Flood	dplain Soils (F	19) (MLRA 149B
Sandy M	lucky Mineral (S1)		Redox Dark S	urface (F	-6)		Mesic	Spodic (TA6) (MLRA 1	144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red P	arent Ma	terial (F21)	
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Very S	Shallow D	ark Surface (I	=22)
Stripped	Matrix (S6)		Marl (F10) (LF	R K. L)	- /		Other	(Explain	in Remarks)	,
Dark Sur	face (S7)			, _/				(
³ Indicators of	bydrophytic vegetat	ion and w	etland hydrology m	ust he n	resent u	nless dist	urbed or problemativ	c		
Restrictive L	ayer (if observed):			usi be p		1033 0131		0.		
Type:										
Depth (ir	nches):						Hydric Soil Pres	sent?	Yes	No
Remarks:										
This data for	m is revised from No	orthcentral	and Northeast Reg	jional Su	ıpplemen	t Version	2.0 to include the N	RCS Fiel	d Indicators o	f Hydric Soils,
Version 7.0, 2	2015 Errata. (http://v	ww.nrcs.	usda.gov/Internet/F	SE_DO	CUMENT	S/nrcs14	2p2_051293.docx)			
			0				· _ ,			

Project/Site: Baron V	Vinds Projec	ct		City/C	ounty: Steuben	County	Sa	mpling Date:	4/28/2017
Applicant/Owner:	Everpower	Wind Holdings, Ir	IC.			State:	NY S	Sampling Poin	1U @ Wet 3C
Investigator(s): RF, C	L				Section, Tow	nship, Range:	Town of Fre	mont	
Landform (hillside, terr	ace, etc.):	Hill top		Local relief (c	oncave, conve	, none): <u>Conve</u>	ĸ	Slop	e %: 2
Subregion (LRR or ML	RA): LRR	R, MLRA 140	Lat: 42.4280	72	Long:	-77.599968		Datum:	WGS 84
Soil Map Unit Name:	VoC - Volus	sia channery silt lo	oam, 8 to 15 pe	ercent slopes		NWI classif	ication: N/	A	
Are climatic / hydrolog	ic conditions	s on the site typica	al for this time	of year?	Yes X	No	(If no, expl	ain in Remark	ks.)
Are Vegetation	, Soil	, or Hydrology	significa	ntly disturbed?	Are "Norm	al Circumstance	s" present?	Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally	problematic?	(If needed	, explain any an	swers in Re	marks.)	
SUMMARY OF FI	NDINGS	 Attach site 	map showi	ng sampling	point locati	ons, transed	ts, impo	rtant featu	ires, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	· ·

Wetland Hydrology Indicators:			Secondary Indicators (min	imum of two required)
Primary Indicators (minimum of one is requi	Surface Soil Cracks (E	36)		
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B1	0)
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Ta	ble (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on A	Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed P	lants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position	(D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)		Microtopographic Reli	ef (D4)
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D5)
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes	No X Depth (inches):			
Saturation Present? Yes	No X Depth (inches):	Wetland	d Hydrology Present?	Yes No X
(includes capillary fringe)	<u> </u>			
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous inspe	ections), if a	vailable:	
Remarks:				

Sampling Point: 1U @ Wet 3C

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant	Indicator	Dominance Test worksheet:
1 Ostava virginiana	20	Voc		Dominance rest worksheet.
Osuya virginiaria Populus tremuloides	10	Ves	FACU	Number of Dominant Species
	10	<u> </u>		
3. Acer saccharum 4.	10	Yes	FACU	Total Number of Dominant Species Across All Strata: <u>6</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 16.7% (A/B)
7.				Prevalence Index worksheet:
	50	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Ostrya virginiana	15	Yes	FACU	FACW species $0 x 2 = 0$
2.				FAC species 40 x 3 = 120
3.				FACU species 110 x 4 = 440
4.				UPL species 0 x 5 = 0
5.				Column Totals: 150 (A) 560 (B)
6.				Prevalence Index = $B/A = 3.73$
7.				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Solidago rugosa	40	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Fragaria virginiana	35	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Achillea millefolium	10	No	FACU	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				()
6		·		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7		·		Definitions of Vegetation Strata:
8.		·		
9		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10		·		
11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12		·		Herb – All herbaceous (non-woody) plants, regardless
	85	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.		·		Hydrophytic Vegetation
4.		·		Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)	r		
	,			

(inches) (0-4	10YR 4/3	<u>%</u> 100	Color (moist)	<u>~ r eatur</u>	Type ¹	Loc ²	Texture	Rem	arks
	10YR 4/3	<u> </u>			1990		Texture	Kon	
	10YR 4/3	<u> </u>							
		·					Loamy/Clayey		
¹ Type: C=Concer	ntration, D=Depl	etion. RM	=Reduced Matrix.	/IS=Mas	ked Sand	d Grains.	² Location: PL	_=Pore Lining. M=N	/atrix.
Hydric Soil Indic	ators:	,	,				Indicators fo	or Problematic Hyd	dric Soils ³ :
Histosol (A1)			Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Muc	ck (A10) (LRR K, L	., MLRA 149B)
Histic Epipede	on (A2)	•	MLRA 149B)			Coast Pra	airie Redox (A16) (LRR K, L, R)
Black Histic (/	43)		Thin Dark Surf	ace (S9) (LRR R	, MLRA 1	49B) 5 cm Muc	cky Peat or Peat (S	63) (LRR K, L, R)
Hydrogen Sul	fide (A4)	-	High Chroma	Sands (S	611) (LRI	R K, L)	Polyvalue	e Below Surface (S	8) (LRR K, L)
Stratified Laye	ers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark	k Surface (S9) (LR	R K, L)
Depleted Belo	ow Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Man	ganese Masses (F	12) (LRR K, L, R)
Thick Dark Sι	urface (A12)		Depleted Matri	x (F3)			Piedmont	t Floodplain Soils (F19) (MLRA 149 B
Sandy Mucky	Mineral (S1)		Redox Dark S	urface (F	6)		Mesic Sp	odic (TA6) (MLRA	144A, 145, 149B)
Sandy Gleyed	d Matrix (S4)	-	Depleted Dark	Surface	e (F7)		Red Pare	ent Material (F21)	
Sandy Redox	(S5)	-	Redox Depres	sions (F	8)		Very Sha	llow Dark Surface	(F22)
Stripped Matr	ix (S6)	-	Marl (F10) (LR	R K, L)			Other (Ex	kplain in Remarks)	
Dark Surface	(S7)								
2									
Indicators of hydr	ophytic vegetat	ion and we	etland hydrology m	ust be pi	resent, ui	nless dist	urbed or problematic.		
	(if observed):								
Type:	Rocky su	bstrate							
Depth (inches	s):	4					Hydric Soil Presen	t? Yes	No
Remarks: This data form is r Version 7.0, 2015	revised from No Errata. (http://w	rthcentral /ww.nrcs.u	and Northeast Reg Isda.gov/Internet/F	ional Su SE_DOC	pplemen CUMENT	t Version S/nrcs14	2.0 to include the NRC 2p2_051293.docx)	S Field Indicators	of Hydric Soils,

Stream Inventory

Observer:	DE O					Project Info	rmation:	
Name: Weather:	$\frac{\text{RF+CL}}{70^{\circ} \text{ F} \text{ Ov}}$	ercast				Name: Baron	13039 Date	4/28/2017
vveatilei.	70 1,00	ercast				Number	13037 Date.	4/20/2017
Stream Nat	me:	Stream 3C						
Stream Location	n (nearest 1	road, structu	re, etc.) :		East of Neu Roa	d		
Adjacent Comm	nunity:	Upland dec	iduous for	est				
Stream Gradier	nt - gentle - mode - steep	erate	X X					
Bank Width:	5-15'	-						
Stream Width:	4-10'	-						
Water Depth:	1-12"	-						
Substrate: - - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	$ \begin{array}{c} $						
Instream Cover	:: - Unde - Over - Logs - Deep - Othe	rcut bank changing veg /woody deb o pools rr	etation ris	X X X	_			
Flow: - Perm - Inter	nanent mittent							
Photo # Flag #'s	Stream 30							
Additional Con	nments: _ <u>Stream 30</u>	<u>Stream flow</u> S is an ephen	<u>vs southwe</u> neral drain	est, drainii age	ng Wetland 3C ar	nd draining into S	tream M.	

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 4/27/17
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet 3D
Investigator(s): RF, CL	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): hilltop depression Loca	I relief (concave, convex, none): concave Slope %: 5
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.410168	Long: <u>-77.577849</u> Datum: WGS 84
Soil Map Unit Name: Lordstown-Arnot association, steep	NWI classification: PEM
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 Hydrologysignificantly distu	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sar	npling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes		No X	Is the Sampled Area
Hydric Soil Present?	Yes	Х	No	within a Wetland? Yes X No
Wetland Hydrology Present?	Yes	Х	No	If yes, optional Wetland Site ID: Wetland 3D
Remarks: (Explain alternative procedures h	ere or in	a sep		

Wetland Hydrology Indica	Wetland Hydrology Indicators:						Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; check all that apply)						Surface Soil Cracks (B6)			
X Surface Water (A1) Water-Stained Leaves (B9)						X Drainage Patterns (B10)			
X High Water Table (A2)			Aqua	tic Fauna (B13)			Moss Trim Lines (B16)		
X Saturation (A3)			Marl	Deposits (B15)			Dry-Season Water Tal	ble (C2)	
Water Marks (B1)			Hydro	ogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)			X Oxidi	zed Rhizospheres on	Living Roc	ots (C3)	Saturation Visible on A	Aerial Imagery (C9)	
Drift Deposits (B3)			Prese	ence of Reduced Iron	(C4)		Stunted or Stressed P	lants (D1)	
Algal Mat or Crust (B4)			Rece	nt Iron Reduction in T	illed Soils	(C6)	Geomorphic Position ((D2)	
Iron Deposits (B5)			 Thin I	Muck Surface (C7)			Shallow Aquitard (D3)		
Inundation Visible on Ae	erial Imag	gery (B7) Other	(Explain in Remarks)		Microtopographic Relie	ef (D4)	
Sparsely Vegetated Cor	າcave Su	rface (B	8)				FAC-Neutral Test (D5))	
Field Observations:									
Surface Water Present?	Yes	х	No	Depth (inches):	2				
Water Table Present?	Yes	X	No	Depth (inches):	1				
Saturation Present?	Yes	X	No	Depth (inches):	0	Wetlan	d Hvdroloav Present?	Yes X No	
(includes capillary fringe)							, .,		
Describe Recorded Data (st	ream dai	uae. mo	nitorina wel	l. aerial photos, previo	ous inspect	tions), if a	available:		
	0	0 /	0		•				
Remarks:									

Sampling Point: <u>1W @ Wet 3D</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Rosa blanda	25	Yes	FACU	FACW species 50 x 2 = 100
2				FAC species 10 x 3 = 30
3				FACU species 75 x 4 = 300
4				UPL species x 5 = 0
5				Column Totals: 135 (A) 430 (B)
6				Prevalence Index = B/A = 3.19
7				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Dactylis glomerata	50	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Phalaris arundinacea	50	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Rumex crispus	5	No	FAC	data in Remarks or on a separate sheet)
4. Barbarea vulgaris	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	110	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in height
2				
3				Hydrophytic
·				Vegetation Present? Ves No X
4		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL

Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 2/1	95	7.5YR 4/6	5	С	Μ	Loamy/Clayey	Prominent redox concentrations
4-12	10YR 4/1	87	7.5YR 4/4	5	С	М	Loamy/Clayey	Prominent redox concentrations
			7.5YR 5/8	8	C	M		Prominent redox concentrations
							·	
¹ Type: C=Cc	oncentration, D=Depl	letion, RM	=Reduced Matrix, N	/IS=Mas	ked Sanc	Grains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil In Histosol	ndicators: (A1)		Polyvalue Belo	ow Surfa	ce (S8) (I	_RR R,	Indicators fo 2 cm Mu	or Problematic Hydric Soils ³ : ck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast Pr	rairie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9)) (LRR R	MLRA 1	1 49B) 5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma	Sands (S	611) (LRF	R K, L)	Polyvalu	e Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)
X Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Man	nganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		X Depleted Matri	x (F3)			Piedmon	nt Floodplain Soils (F19) (MLRA 149B
Sandy M	ucky Mineral (S1)		X Redox Dark Su	urface (F	⁻ 6)		Mesic Sp	bodic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pare	ent Material (F21)
Sandy R	edox (S5)		Redox Depres	sions (Fa	8)		Very Sha	allow Dark Surface (F22)
Stripped	Matrix (S6)		 Marl (F10) (LR	R K, L)	,		Other (E	xplain in Remarks)
Dark Sur	face (S7)			. ,			`	·
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology mi	ust be pr	resent, ur	less dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Туре:								
Danth (in	iches):						Hydric Soil Preser	nt? Yes X No
Depth (In								
Remarks: This data form	m is revised from No	orthcentral	and Northeast Reg	ional Su	pplement	Version	2.0 to include the NRC	CS Field Indicators of Hydric Soils,
Remarks: This data forr Version 7.0, 2	n is revised from No 2015 Errata. (http://w	orthcentral vww.nrcs.u	and Northeast Reg usda.gov/Internet/F	ional Su SE_DOC	pplement CUMENT	: Version S/nrcs14	2.0 to include the NRC 2p2_051293.docx)	CS Field Indicators of Hydric Soils,
Remarks: This data forr Version 7.0, 2	n is revised from No 2015 Errata. (http://w	orthcentral vww.nrcs.u	and Northeast Reg usda.gov/Internet/F	ional Su SE_DOC	pplement CUMENT	: Version S/nrcs14	2.0 to include the NRC 2p2_051293.docx)	CS Field Indicators of Hydric Soils,
Remarks: This data forr Version 7.0, 2	n is revised from No 2015 Errata. (http://w	orthcentral www.nrcs.u	and Northeast Reg usda.gov/Internet/F	ional Su SE_DOC	pplement CUMENT	: Version S/nrcs14	2.0 to include the NRC 2p2_051293.docx)	CS Field Indicators of Hydric Soils,
Depth (in Remarks: This data forr Version 7.0, 2	n is revised from No 2015 Errata. (http://w	orthcentral	and Northeast Reg usda.gov/Internet/Fa	ional Su SE_DOC	pplement CUMENT	: Version S/nrcs14	2.0 to include the NRC 2p2_051293.docx)	CS Field Indicators of Hydric Soils,
Remarks: This data forr Version 7.0, 2	m is revised from No 2015 Errata. (http://w	orthcentral	and Northeast Reg usda.gov/Internet/Fa	ional Su SE_DOC	pplement CUMENT	: Version S/nrcs14	2.0 to include the NRC 2p2_051293.docx)	CS Field Indicators of Hydric Soils,

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 4/27/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet 3D
Investigator(s): RF, CL	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Hilltop Loca	al relief (concave, convex, none): <u>convex</u> Slope %: <u>0</u>
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.410113	Long:77.577824 Datum: WGS 84
Soil Map Unit Name: Lordstown-Arnot association, steep	NWI classification: None
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 Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is rec	Surface Soil Cracks (B6)						
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)					
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)					
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)					
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ts (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6) Geomorphic Position (D2)					
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery	(B7) Other (Explain in Remarks)	Microtopographic Relief (D4)					
Sparsely Vegetated Concave Surface	e (B8)	FAC-Neutral Test (D5)					
Field Observations:							
Surface Water Present? Yes	No X Depth (inches):						
Water Table Present? Yes	No X 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 inspec	tions), if available:					
Remarks:							

Sampling Point: 1U @ Wet 3D

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
1. Prunus virginiana	25	Yes	FACU	FACW species 0 x 2 = 0
2				FAC species x 3 =
3				FACU species <u>185</u> x 4 = <u>740</u>
4				UPL species 0 x 5 = 0
5				Column Totals: 185 (A) 740 (B)
6				Prevalence Index = B/A =4.00
7.				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Dactvlis glomerata	55	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2 Phleum pratense		Ves	FACU	4 - Morphological Adaptations ¹ (Provide supporting
2. Achillos millofolium	15	<u> </u>	EACU	data in Remarks or on a separate sheet)
	10			Decklose die Underste die Mansterie 1 (Eesterie)
4. Solidago canadensis	15	<u>N0</u>	FACU	Problematic Hydrophytic Vegetation (Explain)
5. Fragaria virginiana	10	No	FACU	¹ Indicators of hydric soil and wetland hydrology must
6. Taraxacum officinale	10	No	FACU	be present, unless disturbed or problematic.
7. Taraxacum officinale	5	No	FACU	Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sanling/shrub – Woody plants less than 3 in DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	160	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3.				Hydrophytic Venetation
4.				Present? Yes No X
		=Total Cover		
Remarke: (Include photo numbers here or on a sena	rate sheet)			
	ate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	tor or co	onfirm the absence of indic	cators.)	
Depth	Matrix		Redo	x Featur		. 2		-	
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc	lexture	Rema	irks
0-6	10YR 3/4	100					Loamy/Clayey		
1							2		
'Type: C=Co	oncentration, D=Dep	etion, RM	Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	² Location: PL=Por	e Lining, M=M	atrix.
Hydric Soil	ndicators:				(- -) (Indicators for Pro	blematic Hyd	ric Soils":
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	_RR R,	2 cm Muck (A	10) (LRR K, L,	MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast Prairie F	Redox (A16) (L	RR K, L, R)
Black Hi	stic (A3)		Thin Dark Surf	ace (S9) (LRR R	MLRA 1	49B)5 cm Mucky P	eat or Peat (S3	B) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue Belo	ow Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark Sur	ace (S9) (LRR	K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Manganes	se Masses (F1	2) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmont Floc	dplain Soils (F	19) (MLRA 149B)
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic Spodic	(TA6) (MLRA 1	44A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent Ma	aterial (F21)	
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Shallow I	Dark Surface (F	-22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain	in Remarks)	
Dark Su	face (S7)								
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology mu	ust be pi	resent, ur	less dist	urbed or problematic.		
Restrictive I	.ayer (if observed):								
Type:	Gravel	Rock							
Depth (ir	iches):	6					Hvdric Soil Present?	Yes	No X
		-					.,		
Remarks:						., .			
This data for	m is revised from No	rthcentral	and Northeast Reg	ional Su		Version	2.0 to include the NRCS Fie	eld Indicators of	r Hydric Solls,
version 7.0,	2015 Enala. (http://v	www.mcs.u	usua.gov/internet/F			5/11/05/14	2p2_051295.000x)		

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 4/27/17							
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet 3D							
Investigator(s): RF, CL Section, Township, Range: Town of Fremont								
Landform (hillside, terrace, etc.): hilltop depression Local relief (concave, convex, none): concave Slope %:								
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.410168	Long: <u>-77.577849</u> Datum: WGS 84							
Soil Map Unit Name: Lordstown-Arnot association, steep	NWI classification: PEM							
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 Hydrologysignificantly distu	urbed? Are "Normal Circumstances" present? Yes X No							
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map showing sar	npling point locations, transects, important features, etc.							

Hydrophytic Vegetation Present?	Yes		No X	Is the Sampled Area
Hydric Soil Present?	Yes	Х	No	within a Wetland? Yes X No
Wetland Hydrology Present?	Yes	Х	No	If yes, optional Wetland Site ID: Wetland 3D
Remarks: (Explain alternative procedures h	ere or in	a sep	parate report.)	

Wetland Hydrology Indicators:						Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)							Surface Soil Cracks (E	Surface Soil Cracks (B6)			
X Surface Water (A1) Water-Stained Leaves (B9)						X Drainage Patterns (B10)					
X High Water Table (A2) Aquatic Fauna (B13)						Moss Trim Lines (B16)					
X Saturation (A3)			Marl	Deposits (B15)			Dry-Season Water Tal	ble (C2)			
Water Marks (B1)			Hydro	ogen Sulfide Odor (C1)		Crayfish Burrows (C8)				
Sediment Deposits (B2)			X Oxidi	zed Rhizospheres on	Living Roc	ots (C3)	Saturation Visible on A	Aerial Imagery (C9)			
Drift Deposits (B3)			Prese	ence of Reduced Iron	(C4)		Stunted or Stressed P	lants (D1)			
Algal Mat or Crust (B4)			Rece	nt Iron Reduction in T	illed Soils	(C6)	Geomorphic Position ((D2)			
Iron Deposits (B5)			 Thin I	Muck Surface (C7)			Shallow Aquitard (D3)				
Inundation Visible on Ae	erial Imag	gery (B7) Other	(Explain in Remarks)		Microtopographic Relie	ef (D4)			
Sparsely Vegetated Cor	າcave Su	rface (B	8)				FAC-Neutral Test (D5))			
Field Observations:											
Surface Water Present?	Yes	х	No	Depth (inches):	2						
Water Table Present?	Yes	X	No	Depth (inches):	1						
Saturation Present?	Yes	X	No	Depth (inches):	0	Wetlan	d Hvdroloav Present?	Yes X No			
(includes capillary fringe)							, .,				
Describe Recorded Data (st	ream dai	uae. mo	nitorina wel	l. aerial photos, previo	ous inspect	tions), if a	available:				
	0	0 /	0		•						
Remarks:											

Sampling Point: <u>1W @ Wet 3D</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Rosa blanda	25	Yes	FACU	FACW species 50 x 2 = 100
2				FAC species 10 x 3 = 30
3				FACU species 75 x 4 = 300
4				UPL species x 5 = 0
5				Column Totals: 135 (A) 430 (B)
6				Prevalence Index = B/A = 3.19
7				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Dactylis glomerata	50	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Phalaris arundinacea	50	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Rumex crispus	5	No	FAC	data in Remarks or on a separate sheet)
4. Barbarea vulgaris	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	110	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in height
2				
3				Hydrophytic
·				Vegetation Present? Ves No X
4		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL

Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 2/1	95	7.5YR 4/6	5	С	Μ	Loamy/Clayey	Prominent redox concentrations
4-12	10YR 4/1	87	7.5YR 4/4	5	С	М	Loamy/Clayey	Prominent redox concentrations
			7.5YR 5/8	8	C	M		Prominent redox concentrations
							·	
¹ Type: C=Cc	oncentration, D=Depl	letion, RM	=Reduced Matrix, N	/IS=Mas	ked Sanc	Grains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil In Histosol	ndicators: (A1)		Polyvalue Belo	ow Surfa	ce (S8) (I	_RR R,	Indicators fo 2 cm Mu	or Problematic Hydric Soils ³ : ck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast Pr	rairie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9)) (LRR R	MLRA 1	1 49B) 5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma	Sands (S	611) (LRF	R K, L)	Polyvalu	e Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)
X Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Man	nganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		X Depleted Matri	x (F3)			Piedmon	nt Floodplain Soils (F19) (MLRA 149B
Sandy M	ucky Mineral (S1)		X Redox Dark Su	urface (F	⁻ 6)		Mesic Sp	bodic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pare	ent Material (F21)
Sandy R	edox (S5)		Redox Depres	sions (Fa	8)		Very Sha	allow Dark Surface (F22)
Stripped	Matrix (S6)		 Marl (F10) (LR	R K, L)	,		Other (E	xplain in Remarks)
Dark Sur	face (S7)			. ,			`	
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology mi	ust be pr	resent, ur	less dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Туре:								
Danth (in	iches):						Hydric Soil Preser	nt? Yes <u>X</u> No
Depth (In								
Remarks: This data form	m is revised from No	orthcentral	and Northeast Reg	ional Su	pplement	Version	2.0 to include the NRC	CS Field Indicators of Hydric Soils,
Remarks: This data forr Version 7.0, 2	n is revised from No 2015 Errata. (http://w	orthcentral www.nrcs.u	and Northeast Reg usda.gov/Internet/F	ional Su SE_DOC	pplement CUMENT	: Version S/nrcs14	2.0 to include the NRC 2p2_051293.docx)	CS Field Indicators of Hydric Soils,
Remarks: This data forr Version 7.0, 2	n is revised from No 2015 Errata. (http://w	orthcentral vww.nrcs.u	and Northeast Reg usda.gov/Internet/F	ional Su SE_DOC	pplement CUMENT	: Version S/nrcs14	2.0 to include the NRC 2p2_051293.docx)	CS Field Indicators of Hydric Soils,
Remarks: This data forr Version 7.0, 2	n is revised from No 2015 Errata. (http://w	orthcentral www.nrcs.u	and Northeast Reg usda.gov/Internet/F	ional Su SE_DOC	pplement CUMENT	: Version S/nrcs14	2.0 to include the NRC 2p2_051293.docx)	CS Field Indicators of Hydric Soils,
Depth (in Remarks: This data forr Version 7.0, 2	n is revised from No 2015 Errata. (http://w	orthcentral	and Northeast Reg usda.gov/Internet/Fa	ional Su SE_DOC	pplement CUMENT	: Version S/nrcs14	2.0 to include the NRC 2p2_051293.docx)	CS Field Indicators of Hydric Soils,
Remarks: This data forr Version 7.0, 2	m is revised from No 2015 Errata. (http://w	orthcentral	and Northeast Reg usda.gov/Internet/Fa	ional Su SE_DOC	pplement CUMENT	: Version S/nrcs14	2.0 to include the NRC 2p2_051293.docx)	CS Field Indicators of Hydric Soils,

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 4/27/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet 3D
Investigator(s): RF, CL	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Hilltop Loca	al relief (concave, convex, none): <u>convex</u> Slope %: <u>0</u>
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.410113	Long:77.577824 Datum: WGS 84
Soil Map Unit Name: Lordstown-Arnot association, steep	NWI classification: None
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 Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is rec	Surface Soil Cracks (B6)	
Surface Water (A1)	Drainage Patterns (B10)	
High Water Table (A2)	Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ts (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	(C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery	(B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface	e (B8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X 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 inspec	tions), if available:
Remarks:		

Sampling Point: 1U @ Wet 3D

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
1. Prunus virginiana	25	Yes	FACU	FACW species 0 x 2 = 0
2				FAC species x 3 =
3				FACU species <u>185</u> x 4 = <u>740</u>
4				UPL species 0 x 5 = 0
5				Column Totals: 185 (A) 740 (B)
6				Prevalence Index = B/A =4.00
7.				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Dactvlis glomerata	55	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2 Phleum pratense		Ves	FACU	4 - Morphological Adaptations ¹ (Provide supporting
2. Achillos millofolium	15	<u> </u>	EACU	data in Remarks or on a separate sheet)
	10			Decklose die Underschafte Manstatien 1 (Easterie)
4. Solidago canadensis	15	<u>N0</u>	FACU	Problematic Hydrophytic Vegetation (Explain)
5. Fragaria virginiana	10	No	FACU	¹ Indicators of hydric soil and wetland hydrology must
6. Taraxacum officinale	10	No	FACU	be present, unless disturbed or problematic.
7. Taraxacum officinale	5	No	FACU	Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sanling/shrub – Woody plants less than 3 in DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	160	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3.				Hydrophytic Venetation
4.				Present? Yes No X
		=Total Cover		
Remarke: (Include photo numbers here or on a sena	rate sheet)			
	ate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	tor or co	onfirm the absence of indic	cators.)	
Depth	Matrix		Redo	x Featur		. 2	-	-	
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc	lexture	Rema	irks
0-6	10YR 3/4	100					Loamy/Clayey		
1							2		
'Type: C=Co	oncentration, D=Dep	etion, RM	Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	² Location: PL=Por	e Lining, M=M	atrix.
Hydric Soil	ndicators:				(- -) (Indicators for Pro	blematic Hyd	ric Soils":
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	_RR R,	2 cm Muck (A	10) (LRR K, L,	MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast Prairie F	Redox (A16) (L	RR K, L, R)
Black Hi	stic (A3)		Thin Dark Surf	ace (S9) (LRR R	MLRA 1	49B)5 cm Mucky P	eat or Peat (S3	B) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue Belo	ow Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark Sur	ace (S9) (LRR	K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Manganes	se Masses (F1	2) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmont Floo	dplain Soils (F	19) (MLRA 149B
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic Spodic	(TA6) (MLRA 1	44A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent Ma	aterial (F21)	
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Shallow I	Dark Surface (F	-22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain	in Remarks)	
Dark Su	face (S7)								
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology mu	ust be pi	resent, ur	less dist	urbed or problematic.		
Restrictive I	.ayer (if observed):								
Type:	Gravel/	Rock							
Depth (ir	iches):	6					Hvdric Soil Present?	Yes	No X
		-					.,		
Remarks:						., .			
This data for	m is revised from No	rthcentral	and Northeast Reg	ional Su		Version	2.0 to include the NRCS Fie	eld Indicators of	r Hydric Solls,
version 7.0,	2015 Enala. (http://v	www.mcs.u	usua.gov/internet/F			5/11/05/14	2p2_051295.000x)		

Stream Inventory

Observer: Name:	RF+CL	-				Pro Nam	ject Info ne: _ Baron	Wind Project	4/27/2017
Stream Na	<u>70° F, Pa</u>	Stream 3D	-			Inun	nder:_	13039 Date:	4/2//2017
Stream Locatio	n (nearest	road, structu	- ure, etc.) :		West of Jone	es Road			
Adjacent Com	munity:	Upland dec	ciduous. 1	Near Wetl	and 3D				
Stream Gradier	nt - gentle - mod - steep	erate	X X	_					
Bank Width:	10-20'	-							
Stream Width:	2-8'	_							
Water Depth:	0-1"	-							
Substrate: - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	$\begin{array}{c} x \\ \hline x \\ x \\$	- - - - -						
Instream Cove	r: - Unde - Ove - Log - Dee - Othe	ercut bank rhanging veş s/woody del p pools er	getation pris	X					
Flow: - Perm - Inter	nanent rmittent		-						
Photo # Flag #'s	Stream 3	D							
Additional Con	mments: _	<u>Stream app</u>	ears to be	ephemera	al drainage o	f Wetland 3	<u>3D.</u>		

Environmental Design & Research

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 4/27/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet 3E
Investigator(s): RF, CL	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Hilltop Loc	al relief (concave, convex, none): Concave/stream Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.416892	Long: -77.585995 Datum: WGS 84
Soil Map Unit Name: Fremont silt loam, 2 to 8 percent slopes	NWI classification: PSS
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 Hydrologysignificantly dis	turbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally proble	matic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	impling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	X N	Is the Samp	oled Area				
Hydric Soil Present?	Yes	X N	within a We	atland?	Ye	es _	Х	No
Wetland Hydrology Present?	Yes	X N	If yes, option	nal Wetland S	Site ID:	We	etlanc	d 3E
Wetland Hydrology Present? Remarks: (Explain alternative procedu	Yes	<u>x N</u>	If yes, option	hal wetland S	site ID:	We	etlanc	3 3 E

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

Sampling Point: <u>1W @ Wet 3E</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =0
1. Sambucus sp.	50	Yes	FAC	FACW species 80 x 2 = 160
2				FAC species 50 x 3 = 150
3				FACU species 20 x 4 = 80
4				UPL species 0 x 5 = 0
5.				Column Totals: 150 (A) 390 (B)
6.				Prevalence Index = $B/A = 2.60$
7.				Hydrophytic Vegetation Indicators:
	50	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Impatiens capensis	80	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Solidado canadensis	20	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
o				Definitions of Vanctation Strates
<i>1.</i>				Definitions of vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic
A.				Vegetation Present? Ves X No
4		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Depth	Matrix		Redo	x Featur	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks	\$
0-16	10YR 2/1	98	5YR 4/6	2	С	М	Loamy/Clayey Prominent redox cor	ncentrations
							·	
					kod Son		² l agestion: <u>Pl</u> – Para Lining M-Matri	~
Hydric Soil	Indicators:			/10=1VId5	keu Sano	i Grains.	Indicators for Problematic Hydric	x. Soils ³ .
Histosol	(A1)		Polyvalue Belo	w Surfa	ice (S8) (2 cm Muck (A10) (I RR K. L. MI	RA 149B)
Histic Er	pipedon (A2)		MLRA 149B)))			Coast Prairie Redox (A16) (LRR	K. L. R)
Black Hi	stic (A3)		Thin Dark Surf	, ace (S9) (LRR R	MLRA	149B) 5 cm Mucky Peat or Peat (S3) (1	LRR K. L. R)
Hvdroge	n Sulfide (A4)		High Chroma S	Sands (S	511) (LRI	R K. L)	Polyvalue Below Surface (S8) (L	_RR K. L)
Stratified	Lavers (A5)		Loamv Muckv	Mineral	(F1) (LR	R K. L)	Thin Dark Surface (S9) (LRR K.	L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleved	Matrix ((F2)	, ,	Iron-Manganese Masses (F12) (, (LRR K, L, R)
 Thick Da	ark Surface (A12)	· · /	Depleted Matri	x (F3)	`		Piedmont Floodplain Soils (F19)	(MLRA 149)
Sandy M	lucky Mineral (S1)		X Redox Dark Su	urface (F	-6)		Mesic Spodic (TA6) (MLRA 144	A, 145, 149B
Sandy G	ileyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent Material (F21)	
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Shallow Dark Surface (F22	<u>'</u>)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in Remarks)	
Dark Su	rface (S7)							
³ Indicators of	f hydrophytic vegetat	ion and w	etland hydrology mu	ust be pi	resent. ur	nless dist	sturbed or problematic.	
Restrictive I	Layer (if observed):				,			
Type:								
Depth (ir	nches):						Hydric Soil Present? Yes X	No
Remarks:	,							
This data for	m is revised from No	rthcentral	and Northeast Reg	ional Su	Ipplemen	t Version	n 2.0 to include the NRCS Field Indicators of H	ydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	42p2_051293.docx)	

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 4/27/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1U @ Wet 3E
Investigator(s): RF, CL	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Hilltop Loc	al relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.416834	Long: -77.585863 Datum: WGS 84
Soil Map Unit Name: Fremont silt loam, 2 to 8 percent slopes	NWI classification: None
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 Hydrologysignificantly dist	turbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	matic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indica	tors:				Secondary Indicators (min	nimum of two required)
Primary Indicators (minimu	<u>m of one is requ</u>	ired; check all	that apply)		Surface Soil Cracks (I	B6)
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B	10)
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16	5)
Saturation (A3)		Marl De	eposits (B15)		Dry-Season Water Ta	ble (C2)
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8))
Sediment Deposits (B2)	Oxidize	ed Rhizospheres on Living I	Roots (C3)	Saturation Visible on	Aerial Imagery (C9)
Drift Deposits (B3)		Presen	ce of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled Sc	oils (C6)	Geomorphic Position	(D2)
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3))
Inundation Visible on A	erial Imagery (B	57) Other (Explain in Remarks)		Microtopographic Reli	ief (D4)
Sparsely Vegetated Co	ncave Surface ((B8)			FAC-Neutral Test (D5	i)
Field Observations:						
Surface Water Present?	Yes	No X	Depth (inches):			
Water Table Present?	Yes	No X	Depth (inches):			
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X
(includes capillary fringe)						
Describe Recorded Data (s	tream gauge, m	onitoring well,	aerial photos, previous insp	pections), if	available:	
Remarks:						

Sampling Point: 1U @ Wet 3E

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test worksheet:
1. Pinus strobus	90	Yes	FACU	Number of Dominant Species
2. <u>Malus sp.</u>	15	No	FACU	That Are OBL, FACW, or FAC:0 (A)
 Fagus grandifolia 	5	No	FACU	Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
	110	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 $x 1 = 0$
1. <u> </u>				FACW species $0 x^2 = 0$
2.		·		FAC species $0 \times 3 = 0$
3		·		EACU species $185 \times 4 = 740$
·		·		$\frac{1100}{100} \times 1 = \frac{110}{100}$
T.		·		Column Totals: 185 (A) 740 (B)
5		·		Column Totals. <u>165</u> (A) <u>740</u> (B)
6				Prevalence index = $B/A = 4.00$
/				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Rosa multiflora	35	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Fragaria virginiana	25	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Geum sp.	10	No	FACU	data in Remarks or on a separate sheet)
4. Solidago canadensis	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5		. <u> </u>		¹ Indicators of hydric soil and wetland hydrology must
7		·	·	Definitions of Vegetation Strata:
8				
9.		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10		·		Sapling/shrub – Woody plants less than 3 in. DBH
11		·		and greater than or equal to 3.28 ft (1 m) tall.
12	75	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
··		·		neight.
2.				Hydrophytic
3		·		Vegetation
4		. <u> </u>	<u> </u>	Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

(inches) Color (moist) % Color (moist) % Type ¹ Loc ² Texture Remarks 0-14 10YR 3/2 100	(inches) Color (moist) % Color (moist) % Type ¹ Loc ² Texture Remarks 0-14 10YR 3/2 100	Remarks rey <
0-14 10YR 3/2 100 Loamy/Clayey 14-18 10YR 3/1 100 Loamy/Clayey 14-18 10YR 3/1 100 Loamy/Clayey 14-18 10YR 3/1 100 Loamy/Clayey 10YR 3/2 100 Loamy/Clayey 11-18 10YR 3/1 100 Loamy/Clayey 11-19 100 Loamy/Clayey Indicators: 11-19 100 100 100 11-19 100 100 100 11-19 100 100 100 11-19 100 100 100 11-19 100 100 100 11-19 100 100 100 11-19 100 100 100 11-19 100 100 100 11-19 100 100 100 11-19 100 100 100 11-19 100 100 100 11-19 100 100 100 11-19 100 100 100	0-14 10YR 3/2 100 Loamy/Clayey 14-18 10YR 3/1 100 Indicators 17ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Histic Soil Indicators: Indicators for Problematic Hydric Soils Histic Soil Indicators: Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, MLRA Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR	tion: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ : cm Muck (A10) (LRR K, L, MLRA 149B) ioast Prairie Redox (A16) (LRR K, L, R) cm Mucky Peat or Peat (S3) (LRR K, L, R)
14-18 10YR 3/1 100 Loamy/Clayey	14-18 10YR 3/1 100 Loamy/Clayey	tion: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ : cm Muck (A10) (LRR K, L, MLRA 149B) ioast Prairie Redox (A16) (LRR K, L, R) cm Mucky Peat or Peat (S3) (LRR K, L, R)
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¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soil Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, MLRA Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) S cm Mucky Peat or Peat (S3) (LRR K, L) Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F3) Piedmont Floodplain Soils (F19) (MI Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 1 Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Stripped or problematic. Restrictive Layer (if observed):	¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils	tion: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ : cm Muck (A10) (LRR K, L, MLRA 149B) coast Prairie Redox (A16) (LRR K, L, R) cm Mucky Peat or Peat (S3) (LRR K, L, R)
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soil Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Muck y Peat or Peat (S3) (LRR Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MI Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 14 Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restri	¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR	tion: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ : cm Muck (A10) (LRR K, L, MLRA 149B) coast Prairie Redox (A16) (LRR K, L, R) cm Mucky Peat or Peat (S3) (LRR K, L, R)
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soil Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, MLRA Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRF Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MI Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 1) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Matri (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Matri (F10) (LRR K, L) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR	tion: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ : cm Muck (A10) (LRR K, L, MLRA 149B) coast Prairie Redox (A16) (LRR K, L, R) cm Mucky Peat or Peat (S3) (LRR K, L, R)
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soil Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Dark Surface (S7) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Other (Explain in Remarks) Saripped: Type: Type: Type:	¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B)	tion: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ : cm Muck (A10) (LRR K, L, MLRA 149B) coast Prairie Redox (A16) (LRR K, L, R) cm Mucky Peat or Peat (S3) (LRR K, L, R)
'Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 'Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soil Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR Thick Dark Surface (A12) Depleted Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 12) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Thin Remarks) Other (Explain in Remarks) * Thin Dark Surface (S7) Siturbed or problematic.	'Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 'Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soil. Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B)	ttion: PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ : cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) cm Mucky Peat or Peat (S3) (LRR K, L, R)
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA Histosol (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, MLRA Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRF Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (ML Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 144	Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR	com Muck (A10) (LRR K, L, MLRA 149B) coast Prairie Redox (A16) (LRR K, L, R) cm Mucky Peat or Peat (S3) (LRR K, L, R)
Histosol (A1) Polyvalue below Surface (S8) (LRK K, 2 Crif Muck (A10) (LRK K, L, MLKA Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L] Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRF Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (ML Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14		Coast Prairie Redox (A16) (LRR K, L, MLRA 1496) coast Prairie Redox (A16) (LRR K, L, R) cm Mucky Peat or Peat (S3) (LRR K, L, R)
Inside Epipedon (k2) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L) Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (ML RA 144A, 14) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 14) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Thin Remarks) Other (Explain in Remarks) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Trype:	Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR	cm Mucky Peat or Peat (S3) (LRR K, L, R)
Black Histic (A3) Initi Dark Surface (39) (LKK K, MLKA 149B) S thi Midcky Pear of Pear (33) (LKK K, MLKA 149B) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (ML Ra 144A, 1) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRa 144A, 1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:		
Aydrogen Sunde (A4) Angh Chroma Sands (STT) (LRK K, L) Polyvalde Below Sunace (SS) (LRK Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MI Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 144A	Lindragon Sulfide (A4) Lindr Chrome Sande (C44) (LDB K L) Dehardus Delaw Surface (C9) (LDB	
Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Inin Dark Sufface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (ML Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A,	Hydrogen Sullide (A4)High Chroma Sands (S11) (LRR K, L)Polyvalue Below Surface (S8) (LRR	
Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRF Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (ML Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 1	Stratified Layers (A5)Loamy Mucky Mineral (F1) (LRR K, L) Inin Dark Surface (S9) (LRR K, L)	nin Dark Surface (S9) (LRR K, L)
Inick Dark Surface (A12) Depleted Matrix (F3) Pledmont Floodplain Soils (F19) (ML Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 1	Depieted Below Dark Surface (A11)Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR	on-Manganese Masses (F12) (LRR K, L, R)
Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 12) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	I hick Dark Surface (A12) Depieted Matrix (F3) Piedmont Floodplain Soils (F19) (ML	iedmont Floodplain Soils (F19) (MLRA 149E
Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 14	lesic Spodic (1A6) (MLRA 144A, 145, 149B
Sandy Redox (S5)Redox Depressions (F8)Very Shallow Dark Surface (F22)Stripped Matrix (S6)Marl (F10) (LRR K, L)Other (Explain in Remarks)Other (Explain in Remarks)Since (S7)	Sandy Gleyed Matrix (S4)Depleted Dark Surface (F7)Red Parent Material (F21)	ed Parent Material (F21)
Stripped Matrix (S6)Marl (F10) (LRR K, L)Other (Explain in Remarks) Dark Surface (S7) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22)	
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Stripped Matrix (S6)Marl (F10) (LRR K, L)Other (Explain in Remarks)	'ery Shallow Dark Surface (F22)
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Dark Sufface (S7)	/ery Shallow Dark Surface (F22))ther (Explain in Remarks)
Restrictive Layer (if observed): Type:	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	'ery Shallow Dark Surface (F22) Other (Explain in Remarks)
туре		/ery Shallow Dark Surface (F22) Dther (Explain in Remarks)
Death (instead)	Restrictive Layer (if observed):	/ery Shallow Dark Surface (F22))ther (Explain in Remarks) matic.
	Restrictive Layer (if observed): Type: Desth (inclusion)	/ery Shallow Dark Surface (F22) Other (Explain in Remarks)
Stream Inventory

Observer:			Project Inf	ormation:	
Name: RF+CL Weather: 75° E Si	1007		Name: Baro	n Wind Project	4/27/2017
Weather. 75 1,50	miny		inumber	13039 Date.	4/2//2017
Stream Name:	Stream 3E				
Stream Location (nearest	t road, structure, etc.) :	N of Canfield Rd, pro	posed laydown.		
Adjacent Community:	Upland deciduous/c	coniferous			
Stream Gradient - gentl - moo - stee	e X derate p	_ _ _			
Bank Width: 4-8'	_				
Stream Width: 2-6'	_				
Water Depth: 2-8"	_				
Substrate: - Bed Roo - Bouldes - Cobble - Gravel - Sand - Silt - Clay	$ \begin{array}{c} $				
Instream Cover: - Und - Ov - Log - Dec - Oth	lercut bank erhanging vegetation gs/woody debris ep pools her	X X			
Flow: - Permanent - Intermittent	X				
Photo # Flag #'s Stream 3	BE				
Additional Comments:	Stream flows north.	Stream is intermittent a	and connects to NYSE	DEC stream Seely Cr	reek
Environm	nental Design & Resear	rch			

Stream Inventory

Observer:	RF+CI					Project Inf	ormation:	
Weather:	75° F, Sur	- my				Number:_	13039 Date:	4/27/2017
Stream Na	me:	Stream 3G						
Stream Location	n (nearest :	road, structu	re, etc.) :	NW of Rou	te 21 and E of	Neu Road		
Adjacent Comr	nunity:	Upland dec	riduous (m	aple, beech) f	orest. Very li	ittle understory.		
Stream Gradier	nt - gentle - mode - steep	erate	X	- - -				
Bank Width:	2-12'	-						
Stream Width:	1-4'	_						
Water Depth:	2-6"	-						
Substrate: - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	X X X X						
Instream Cover	r: - Unde - Over - Loge - Deep - Othe	rcut bank changing veg /woody deb p pools rr	etation pris	<u>X</u> <u>X</u>				
Flow: - Pern - Inter	nanent rmittent	X						
Photo # Flag #'s	Stream 30							
Additional Cor	nments:	Some deep	cut banks	(up to 4"). Str	eam flows No	orthwest to South	neast. Several side d	<u>rainages</u>

Environmental Design & Research

Project/Site: Baron W	/inds Project			City/County: Steuber	n County		Sampling Date:	4/28/2017
Applicant/Owner:	Everpower W	/ind Holdings, Inc.			State:	NY	Sampling Point:	1W @ Wet 3H
Investigator(s): RF, CI	L			Section, Tov	vnship, Range: <u>T</u>	own of F	Fremont	
Landform (hillside, terra	ace, etc.):	Hilltop	Local r	elief (concave, conve	k, none): <u>Conca</u>	/e	Slope	%: <u>0-2</u>
Subregion (LRR or ML	RA): <u>LRR F</u>	R, MLRA 140 L	at: 42.428333	Long:	-77.598796		Datum:	WGS 84
Soil Map Unit Name:	Volusia chan	nery silt loam, 8 to	o 15 percent slopes		NWI classif	ication:	PFO	
Are climatic / hydrologi	c conditions o	on the site typical	for this time of year?	Yes X	No	(If no, ex	xplain in Remarks	.)
Are Vegetation	, Soil	, or Hydrology	significantly disturb	oed? Are "Norm	al Circumstance	s" prese	nt? Yes <u>X</u>	No
Are Vegetation	, Soil	, or Hydrology	naturally problema	tic? (If needed	, explain any ans	swers in I	Remarks.)	
SUMMARY OF FI	NDINGS –	Attach site m	ap showing sam	pling point locati	ons, transec	ts, imp	portant featur	es, etc.

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland 3H
Hydric Soil Present?	Yes X	No	
Wetland Hydrology Present?	Yes X	No	
Remarks: (Explain alternative procedur	es here or in a s	eparate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is	Surface Soil Cracks (B6)	
Surface Water (A1)	Drainage Patterns (B10)	
High Water Table (A2)	Moss Trim Lines (B16)	
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	X Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Livir	ng Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	X Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled	Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Shallow Aquitard (D3)	
Inundation Visible on Aerial Image	Microtopographic Relief (D4)	
X Sparsely Vegetated Concave Sur	face (B8)	X FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	X No Depth (inches): 3	
Water Table Present? Yes	X No Depth (inches): 1	
Saturation Present? Yes	X No Depth (inches): 0	Wetland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gau	ge, monitoring well, aerial photos, previous i	nspections), if available:
Remarks:		

Sampling Point: <u>1W @ Wet 3H</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1 Fraxinus pennsylvanica	60	Yes	FACW	
2 Acer rubrum	25	Yes	FAC	Number of Dominant Species
3				
4.				Total Number of Dominant Species Across All Strata: 4 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
	85	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 20 x 1 =20
1				FACW species 75 x 2 = 150
2				FAC species 25 x 3 =75
3.				FACU species 0 x 4 = 0
4				UPL species x 5 =0
5.				Column Totals: 120 (A) 245 (B)
6.				Prevalence Index = $B/A = 2.04$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Carex stricta	20	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^1$
2. Onoclea sensibilis	15	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				diameter at breast height (DBH), regardless of height.
10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	35	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				
<u> </u>				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic
4				Vegetation Present? Yes X No
*·		-Total Cover		
Pemarke: (Include photo numbers here or on a separ	ate sheet)			
	ale sheel.)			

Profile Desc	cription: (Describe	to the de	oth needed to doc	ument tl	ne indica	ator or co	onfirm the absence of	f indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR 3/2	100					Loamy/Clayey	
2-8	10YR 4/1	90	7.5YR 4/4	10	С	Μ	Loamy/Clayey	Prominent redox concentrations
8-12	10YR 5/2	100					Loamy/Clayey	
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Masl	ked Sand	d Grains.	² Location: Pl	L=Pore Lining, M=Matrix.
Histosol Histic Ep Black Hi X Hydroge Stratified Thick Da Sandy M Sandy R Sandy R Stripped Dark Su ³ Indicators o	(A1) bipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1) Bleyed Matrix (S4) Redox (S5) I Matrix (S6) rface (S7) f hydrophytic vegetat Layer (if observed):	e (A11) tion and w	Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed X Depleted Matri Redox Dark Su Depleted Dark Redox Depres Marl (F10) (LR	x, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils 3elow Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 1 19B) Coast Prairie Redox (A16) (LRR K, L Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR I na Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) yed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L) latrix (F3) Piedmont Floodplain Soils (F19) (MLI k Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 14 Park Surface (F7) Red Parent Material (F21) very Shallow Dark Surface (F22) Other (Explain in Remarks)			ck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) cky Peat or Peat (S3) (LRR K, L, R) e Below Surface (S8) (LRR K, L) k Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R) the Floodplain Soils (F19) (MLRA 149B) bodic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) xplain in Remarks)	
Type:								
Depth (ir	nches):						Hydric Soil Presen	nt? Yes <u>X</u> No
Remarks: This data for Version 7.0,	rm is revised from Nc 2015 Errata. (http://v	orthcentral vww.nrcs.u	and Northeast Reg usda.gov/Internet/F	ional Su SE_DOC	pplemen CUMENT	t Version S/nrcs14	2.0 to include the NRC 2p2_051293.docx)	CS Field Indicators of Hydric Soils,

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 4/28/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet 3H
Investigator(s): RF, CL	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Hilltop Loca	al relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.428422	Long:77.598969 Datum: WGS 84
Soil Map Unit Name: Volusia channery silt loam, 8 to 15 percent slopes	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 Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	matic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present?	Yes Yes	No X No X	Is the Sampled Area within a Wetland? Yes	No <u>X</u>
Wetland Hydrology Present?	Yes	No X	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative proced	lures here or in a	separate report.)		

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

Sampling Point: 1U @ Wet 3H

	Absolute	Dominant	Indicator	Deminence Test worksheet
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?		Dominance Test worksheet:
		Vee		Number of Dominant Species
2. Tagus granditolia	23	165	TACO	
4.				Total Number of Dominant Species Across All Strata: <u>4</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
	60	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2.				FAC species 0 x 3 = 0
3.				FACU species 130 x 4 = 520
4.				UPL species 25 x 5 = 125
5.				Column Totals: 155 (A) 645 (B)
6.				Prevalence Index = B/A = 4.16
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Allium tricoccum	60	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Erythronium americanum	25	Yes	UPL	4 - Morphological Adaptations ¹ (Provide supporting
3. Claytonia caroliniana	10	No	FACU	data in Remarks or on a separate sheet)
4. Rubus sp.	5	No		Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sanling/shrub – Woody plants less than 3 in DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All berbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3 28 ft in
1				height.
2.				
3				Hydrophytic Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

	Matrix	Redox	Featur	es			
(inches) Color (m	noist) %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4 10YR	3/3 100					Loamy/Clayey	
4-10 10YR	4/3 100					Loamy/Clavey	
					·	Loamy/oldycy	
					·		
		·					
¹ Type: C=Concentration,	D=Depletion, RM	=Reduced Matrix, MS	S=Masl	ked Sand	Grains.	² Location: PL=Po	ore Lining, M=Matrix.
Hydric Soil Indicators:						Indicators for Pr	oblematic Hydric Soils ³ :
Histosol (A1)		Polyvalue Below	/ Surfa	ce (S8) (L	.RR R,	2 cm Muck (A	(LRR K, L, MLRA 149B)
Histic Epipedon (A2)		MLRA 149B)	(00)			Coast Prairie	Redox (A16) (LRR K, L, R)
Black Histic (A3)	`	I hin Dark Surfa	ce (S9)	(LRR R,	MLRA 1	49B) 5 cm Mucky I	Peat or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4	•)	High Chroma Sa	ands (S lineral	(E4) (LRR	K, L)	Polyvalue Be	rfood (S0) (LRR K, L)
Stratilied Layers (A5)	Surface (A11)	Loamy Gleved N	Ineral Astrix ((FI) (LKF F2)	(K , L)		Hade (39) (LRR N, L)
Thick Dark Surface (Depleted Matrix	(F3)	12)			odplain Soils (F19) (MI RA 149)
Sandy Mucky Minera	(S1)	Bedox Dark Sur	(Fo) face (F	6)		Mesic Spodic	: (TA6) (MI RA 144A, 145, 149
Sandy Gleved Matrix	(S4)	Depleted Dark S	Surface	(F7)		Red Parent N	(1910) (11211) 1111, 110, 110, 110
Sandy Redox (S5)	()	Redox Depressi	ons (F	3)		Very Shallow	Dark Surface (F22)
Stripped Matrix (S6)		 Marl (F10) (LRR	. K , L)	,		Other (Explai	n in Remarks)
Dark Surface (S7)							
³ Indicators of hydrophytic	vegetation and w	etland hydrology mus	st be pr	esent, un	less dist	urbed or problematic.	
Restrictive Layer (if obs	erved):						
Туре:							

Stream Inventory

Observer: Name:	RF+CL				P: Na	roject Info ame: Baron	mation: Wind Project	
Weather:	70° F, Par	tly Cloudy			N	umber:_	13039 Date:	4/28/2017
Stream Na	ame:	Stream 3I						
Stream Locati	on (nearest :	road, structur	re, etc.) :	W of Macl	< School Road	d		
Adjacent Com	munity:	Upland deci	duous/conife	erous forest				
Stream Gradie	ent - gentle - mode - steep	erate	X					
Bank Width:	15-25'	_						
Stream Width	:5-10'	_						
Water Depth:	6-14'	-						
Substrate: - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	x x x x x x x x x						
Instream Cove	er: - Unde - Over - Logs - Deep - Othe	ercut bank rhanging vege s/woody debr p pools er	etation <u>></u> ris <u>></u>					
Flow: - Per - Inte	manent ermittent	<u>X</u>						
Photo # Flag #'s	Stream 31	-						
Additional Co	omments: _	Stream flow	s south-south	<u>east</u>				

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 4/28/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet 3J
Investigator(s): RF, CL	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Terrace/seep Local	relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.433459	Long: -77.588022 Datum: WGS 84
Soil Map Unit Name: Fluvaquents and Ochrepts	NWI classification: PEM
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 Hydrologysignificantly distur	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	Х	No	Is the Sampled Area
Hydric Soil Present?	Yes	Х	No	within a Wetland? Yes X No
Wetland Hydrology Present?	Yes	Х	No	If yes, optional Wetland Site ID: Wetland 3J
Remarks: (Explain alternative procedures h Wetland fed by hillside seeps. No surface	iere or vater c	in a se onnect		

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

Sampling Point: 1W @ Wet 3J

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1.				FACW species 75 x 2 = 150
2.			,	FAC species 35 x 3 = 105
3.				FACU species $15 \times 4 = 60$
4				$\frac{1}{1} = \frac{1}{1} = \frac{1}$
5				$\begin{array}{c} \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \hline \begin{array}{c} \hline \end{array} \\ \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \\ \hline \end{array} \\ \\ \\ \hline \end{array} \\ \\ \hline \end{array} \\ \\ \\ \hline \end{array} \\ \\ \hline \end{array} \\ \\ \\ \end{array} \\ \\ \end{array} $ \\ \\ \\ \end{array} \\ \\ \end{array} \\ \\ \\ \end{array} \\ \\ \end{array} \\ \\ \end{array} \\ \\ \end{array} \\ \\ \\ \end{array} \\ \\ \end{array} \\ \\ \\ \\ \end{array} \\ \\ \end{array} \\ \\ \end{array} \\ \\ \end{array} \\ \\ \end{array} \\ \\ \\ \end{array} \\ \\ \end{array} \\ \\ \end{array} \\ \\ \\ \end{array} \\ \\ \end{array} \\ \\ \end{array} \\ \\
6				$\frac{120}{120} (x) = \frac{120}{120} (x)$
7				Hudrophytic Vogetation Indicators
<i>I</i>		Tatal Causer		A Denid Test for Undershutin Verstation
		= I otal Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Impatiens capensis	50	Yes	FACW	X_3 - Prevalence Index is $\leq 3.0^{\circ}$
2. Solidago rugosa	35	Yes	FAC	4 - Morphological Adaptations' (Provide supporting
3. Onoclea sensibilis	25	Yes	FACW	uala in Kemarks of on a separate sheety
4. Alliaria petiolata	15	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10.				Septimalshrub Woody plants loss than 2 in DPH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	125	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3 28 ft in
1.				height.
2.				
3.			,	Hydrophytic
4				Vegetation Present? Yes X No
···		=Total Cover		
Pomarka: (Include photo numbers boro or on a sona	rate sheet)			
Remarks. (include photo numbers here of on a sepa	rate sheet.)			

Profile Des	cription: (Describe	to the dep	oth needed to docu	ument t	he indica	tor or co	onfirm the absence of	indicators.)		
Depth Matrix			Redox Features							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-2	10YR 2/1	100					Loamy/Clayey			
2-8	10YR 3/1	95	7.5YR 4/6	5	С	М	Loamy/Clayey	Prominent redox concentrations		
		·								
		·								
	·	·								
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	IS=Mas	ked Sanc	l Grains.	² Location: Pl	L=Pore Lining, M=Matrix.		
Hydric Soil	Indicators:			~ .			Indicators fo	or Problematic Hydric Soils ³ :		
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	_RR R,	2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)		
	pipedon (AZ)		Thin Dark Surf) 200 (SQ)		MIDA	Coast Pr	airie Redox (A16) (LRR K, L, R)		
Hydroge	an Sulfide (ΔA)		High Chroma S	ace (39) Sands (9) (ERR R; S11) (I RF		Polyvalue Below Surface (S3) (LRR K, L, K)			
Stratifie	d Lavers (A5)		Loamy Mucky	Mineral	(F1) (LR	RKI)	Thin Dar	k Surface (S9) (I RR K I)		
	d Below Dark Surface	≏ (A11)	Loamy Gleved	Matrix ((F2)	、 ι 、 μ)	Iron-Man	iganese Masses (E12) (I RR K I R)		
Thick D	ark Surface (A12)	0 (/(11)	Depleted Matri	x (F3)	12)		Piedmont Floodplain Soils (F12) (MR R, L, R)			
Sandy M	Aucky Mineral (S1)		X Redox Dark Su	irface (F	6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
Sandy (Gleved Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Material (F21)			
Sandy 6	Redox (S5)		Bedox Depress	sions (F	8)		Very Shallow Dark Surface (F22)			
Stripped	Matrix (S6)		Marl (F10) (I R	RKI)	0)		Other (F)	xplain in Remarks)		
Dark Su	Inface (S7)			i i i i i i i i i i i i i i i i i i i						
³ Indicators o	of hydrophytic vegetat	tion and w	etland hydrology mu	ıst be pı	resent, ur	less dist	urbed or problematic.			
Restrictive	Layer (if observed):									
Туре:	Rocky su	lbstrate								
Depth (i	nches):	8					Hydric Soil Presen	nt? Yes <u>X</u> No		
Remarks:										
This data for	rm is revised from No	orthcentral	and Northeast Regi	onal Su	pplement	Version	2.0 to include the NRC	CS Field Indicators of Hydric Soils,		
Version 7.0,	2015 Errata. (http://v	www.nrcs.u	usda.gov/Internet/FS	SE_DOC	JUMENT	S/nrcs14	2p2_051293.docx)			

Project/Site: Baron Winds F	Project	City/C	ounty: Steuben	County	S	ampling Date:	4/28/2017
Applicant/Owner: Everpo	ower Wind Holdings, Inc.			State:	NY	Sampling Point	1U @ Wet 3J
Investigator(s): RF, CL			Section, Tow	nship, Range:]	Town of Fr	emont	
Landform (hillside, terrace, et	tc.): hillside	Local relief (c	oncave, convex	, none): <u>none</u>		Slope	e %: 0
Subregion (LRR or MLRA):	LRR R, MLRA 140 Lat:	42.433521	Long:	-77.588124		Datum:	WGS 84
Soil Map Unit Name: Fluvad	quents and Ochrepts			NWI classif	fication: r	none	
Are climatic / hydrologic conc	litions on the site typical for	this time of year?	Yes X	No	(If no, exp	olain in Remark	s.)
Are Vegetation, Soil	, or Hydrology	significantly disturbed?	Are "Norma	al Circumstance	es" presen	t? Yes X	No
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed,	explain any an	swers in R	emarks.)	
SUMMARY OF FINDIN	IGS – Attach site map	showing sampling	point locati	ons, transed	cts, imp	ortant featu	res, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	·

Wetland Hydrology Indica	tors:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimur	m of one is requir	Surface Soil Cracks (B6)						
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B	Drainage Patterns (B10)		
High Water Table (A2)		Aquati	c Fauna (B13)		Moss Trim Lines (B16	6)		
Saturation (A3)		Marl D	eposits (B15)		Dry-Season Water Ta	ble (C2)		
Water Marks (B1)		Hydrog	gen Sulfide Odor (C1)		Crayfish Burrows (C8))		
Sediment Deposits (B2)	Oxidize	ed Rhizospheres on Living I	Roots (C3)	Saturation Visible on	Aerial Imagery (C9)		
Drift Deposits (B3)		Preser	nce of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)		
Algal Mat or Crust (B4)		Recen	t Iron Reduction in Tilled Sc	oils (C6)	Geomorphic Position	(D2)		
Iron Deposits (B5)		Thin M	luck Surface (C7)		Shallow Aquitard (D3))		
Inundation Visible on A	erial Imagery (B7) Other ((Explain in Remarks)		Microtopographic Reli	ief (D4)		
Sparsely Vegetated Co	ncave Surface (E	38)			FAC-Neutral Test (D5	i)		
Field Observations:								
Surface Water Present?	Yes	No X	Depth (inches):					
Water Table Present?	Yes	No X	Depth (inches):					
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X		
(includes capillary fringe)								
Describe Recorded Data (st	tream gauge, mo	nitoring well,	aerial photos, previous insp	pections), if	available:			
Remarks:								

Sampling Point: 1U @ Wet 3J

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)			
3. 4.				Total Number of Dominant Species Across All Strata: <u>3</u> (B)			
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)			
7				Prevalence Index worksheet:			
	,	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0			
1. Rubus allegheniensis	25	Yes	FACU	FACW species 0 x 2 = 0			
2				FAC species x 3 =			
3				FACU species 80 x 4 = 320			
4.				UPL species 45 x 5 = 225			
5				Column Totals: 125 (A) 545 (B)			
6.				Prevalence Index = B/A = 4.36			
7.				Hydrophytic Vegetation Indicators:			
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%			
1. Solidado canadensis	45	Yes	FACU	$3 - Prevalence Index is \leq 3.0^{1}$			
2 Frythronium americanum	45	Yes		4 - Morphological Adaptations ¹ (Provide supportir			
3 Drunus virginiana	10	<u> </u>	FACIL	data in Remarks or on a separate sheet)			
	10		FAGO	- Droblomatic Hydrophytic Magatation ¹ (Evaluin)			
4							
5				¹ Indicators of hydric soil and wetland hydrology must			
6				be present, unless disturbed or problematic.			
7				Definitions of Vegetation Strata:			
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12	100	-Total Cover		Herb – All herbaceous (non-woody) plants, regardless			
Weady Vina Stratum (Plot size: 30)	100	-10101 00101					
				Woody vines – All woody vines greater than 3.28 ft in			
· · · · · · · · · · · · · · · · · · ·				neigni.			
2				Hydrophytic			
3				Vegetation			
4				Present? Yes <u>No X</u>			
	;	=Total Cover					
Remarks: (Include photo numbers here or on a sepa	.rate sheet.)						

Depth Colo (inches) Colo 0-4 10' 4-16 10'	Matrix r (moist)	Redo						
(inches) Colo 0-4 10 4-16 10	r (moist)		x Featur	es1	2	_		
0-4 10 4-16 10	(D. 0./0	6 Color (moist)	%	Type'	Loc ²	Texture	Remarks	
4-16 10	YR 3/2 10	00				Loamy/Clayey		
	(R 4/4 1)	00				Loamy/Clavey		
						Loamy/olaycy		
1								
·								
<u> </u>								
¹ Type: C=Concentrat	on, D=Depletior	n, RM=Reduced Matrix, M	/IS=Masl	ked Sand	l Grains.	² Location: PL=Po	re Lining, M=Matrix.	
Hydric Soil Indicator	s:					Indicators for Pro	oblematic Hydric Soils ³ :	
Histosol (A1)		Polyvalue Belo	ow Surfa	ce (S8) (I	LRR R,	2 cm Muck (A	10) (LRR K, L, MLRA 149B)	
Histic Epipedon (42)	MLRA 149B	5)			Coast Prairie	Redox (A16) (LRR K, L, R)	
Black Histic (A3)		Thin Dark Surf	ace (S9)	(LRR R	, MLRA 1	149B)5 cm Mucky F	eat or Peat (S3) (LRR K, L, R)	
Hydrogen Sulfide	(A4)	High Chroma S	Sands (S	511) (LRF	R K, L)	Polyvalue Bel	ow Surface (S8) (LRR K, L)	
Stratified Layers (A5)	Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark Sur	face (S9) (LRR K, L)	
Depleted Below D	ark Surface (A1	1) Loamy Gleyed	Matrix (F2)		Iron-Manganese Masses (F12) (LRR K, L, R)		
Thick Dark Surface	e (A12)	Depleted Matri	ix (F3)			Piedmont Floodplain Soils (F19) (MLRA 149B		
Sandy Mucky Min	eral (S1)	Redox Dark Su	urface (F	6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
Sandy Gleyed Ma	trix (S4)	Depleted Dark	Surface	(F7)		Red Parent Material (F21)		
Sandy Redox (S5)	Redox Depress	sions (F8	3)		Very Shallow Dark Surface (F22)		
Stripped Matrix (S	6)	Marl (F10) (LR	R K, L)			Other (Explain	i in Remarks)	
Dark Surface (S7	1							
3								
Indicators of hydroph	ytic vegetation a	nd wetland hydrology mu	ust be pr	esent, ur	iless dist	urbed or problematic.		
Restrictive Layer (If	observed):							
Туре:								
Depth (inches):						Hydric Soil Present?	Yes NoX	

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 5/2/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W@ Wet 3L
Investigator(s): RF, SZ	Section, Township, Range: Town of Dansville
Landform (hillside, terrace, etc.): bowl depression	Local relief (concave, convex, none): concave Slope %: 0-1
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.43821	1 Long: -77.575916 Datum: WGS 84
Soil Map Unit Name: Fremont Silt Loam, 2 to 8 percent slopes	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of	f year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificant	tly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally p	problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	ig sampling point locations, transects, important features, etc.

Wetland Hydrology Present? Yes X No If yes, optional Wetland Site ID: Wetland 3L
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Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	cots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	X Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (E	38)	X FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes X	No Depth (inches): 6	
Water Table Present? Yes X	No Depth (inches): 6	
Saturation Present? Yes X	No Depth (inches): 0	Wetland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspe	ections), if available:
Remarks:		

Sampling Point: 1W@ Wet 3L

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3. 4.				Total Number of Dominant Species Across All Strata: 2 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
	:	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 120 x 1 = 120
1				FACW species 30 x 2 = 60
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 150 (A) 180 (B)
6.				Prevalence Index = $B/A = 1.20$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Scirpus atrovirens	60	Yes	OBI	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Juncus effusus	40	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3 Carex sp	25	No	FACW	data in Remarks or on a separate sheet)
4 Typha angustifolia	20	No	OBI	Problematic Hydrophytic Vegetation ¹ (Explain)
5 Enilobium sp	5	No	FACW	
6				Indicators of hydric soil and wetland hydrology must
7.				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3 28 ft (1 m) tall
12				
12.	150	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic Venetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument t	he indica	tor or co	onfirm the absence of	indicators.)
Depth	Matrix		Redo	x Featu	res			-
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 3/2	100					Loamy/Clayey	
6-12	10YR 5/2	60					Loamy/Clayey	
	5GY 6/1	40						
						·		
					·	·		
						<u> </u>		
						·		
						<u> </u>		
·							,	
¹ Type: C=Co	oncentration, D=Depl	etion, RN	I=Reduced Matrix, N	/IS=Mas	ked Sanc	l Grains.	² Location: PL	=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators for	r Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ice (S8) (I	_RR R,	2 cm Muc	ck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast Pra	airie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	ace (S9) (LRR R	MLRA 1	49B) 5 cm Muc	cky Peat or Peat (S3) (LRR K, L, R)
Hydrogei	n Sulfide (A4)		High Chroma S	Sands (S	S11) (LRF	R K, L)	Polyvalue	Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark	Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	X Loamy Gleved	Matrix	(F2)		Iron-Mano	ganese Masses (F12) (LRR K. L. R)
Thick Da	rk Surface (A12)	()	X Depleted Matri	x (F3)	()		 Piedmont	Floodplain Soils (F19) (MI RA 149B)
Sandy M	ucky Minoral (S1)		Bodox Dark Si	urfaco (l	-		Mosic Sp	$ \frac{1}{1000} (TA6) (MI BA 144A 145 149B) $
Sandy M	loved Metrix (S4)				0)		Niesic Opt	et Meterial (E21)
				Sunace	+ (F <i>1)</i>			
Sandy R	edox (S5)		Redox Depres	sions (F	8)		very Shai	llow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Ex	plain in Remarks)
Dark Sur	face (S7)							
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology mu	ust be p	resent, ur	less dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Туре:	Rocky su	bstrate						
Depth (in	iches):	12					Hydric Soil Present	t? Yes <u>X</u> No
Remarks:								
This data for	m is revised from No	rthcentra	I and Northeast Reg	ional Su	upplement	Version	2.0 to include the NRC	S Field Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://w	/ww.nrcs.	usda.gov/Internet/F	SE_DO	CUMENT	S/nrcs142	2p2_051293.docx)	

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 5/2/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1U @ Wet 3L
Investigator(s): RF, SZ	Section, Township, Range: Town of Dansville
Landform (hillside, terrace, etc.): hillslope Loca	al relief (concave, convex, none): <u>convex</u> Slope %: <u>0-5</u>
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.438211	Long:77.5775916 Datum: WGS 84
Soil Map Unit Name: Fremont Silt Loam, 2 to 8 percent slopes	NWI classification: N/A
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 Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	matic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

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

Sampling Point: 1U @ Wet 3L

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3				Total Number of Dominant Species Across All Strata: 2 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
1				FACW species 0 x 2 = 0
2				FAC species x 3 =
3				FACU species 110 x 4 = 440
4				UPL species20 x 5 =100
5.				Column Totals: 130 (A) 540 (B)
6.				Prevalence Index = B/A = 4.15
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Poa pratensis	60	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Solidago sp.	40	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Vicia cracca	20	No	UPL	data in Remarks or on a separate sheet)
4. Fragaria virginiana	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Taraxacum officinale	5	No	FACU	¹ Indicators of hydric soil and wotland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree Weadly plants 2 in (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sanling/shrub Woody plants loss than 3 in DPH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
Weady Vina Stratum (Plat aiza: 20)	130	=Total Cover		of size, and woody plants less than 3.28 ft tall.
1				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	irate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument t	he indica	tor or co	onfirm the absence o	of indicators.)	
Depth	Matrix		Redox	x Featur	res				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	ks
0.12	10VD 2/2	100							
	1018 3/3	100					Loamy/Clayey		<u> </u>
		·							
		·							
		·							
		·							
1		·					2		
'Type: C=Co	ncentration, D=Dep	letion, RN	I=Reduced Matrix, M	IS=Mas	ked Sand	Grains.	² Location: F	PL=Pore Lining, M=Mat	trix.
Hydric Soil I	ndicators:						Indicators f	or Problematic Hydri	c Soils':
Histosol	(A1)		Polyvalue Belo	w Surfa	ice (S8) (I	LRR R,	2 cm M	uck (A10) (LRR K, L, N	ILRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast P	rairie Redox (A16) (LR	R K, L, R)
Black His	stic (A3)		Thin Dark Surfa	ace (S9) (LRR R	, MLRA 1	149B) 5 cm M	ucky Peat or Peat (S3)	(LRR K, L, R)
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	511) (LRF	R K, L)	Polyvalu	e Below Surface (S8)	(LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Da	rk Surface (S9) (LRR I	K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Ma	nganese Masses (F12)) (LRR K, L, R)
Thick Da	rk Surface (A12)		Depleted Matrix	x (F3)			Piedmo	nt Floodplain Soils (F1	9) (MLRA 149B)
Sandy M	ucky Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic S	podic (TA6) (MLRA 14	4A, 145, 149B)
Sandy G	leved Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pa	ent Material (F21)	· · · ·
Sandy Re	edox (S5)		Redox Depress	sions (F	8)		Verv Sh	allow Dark Surface (F2	22)
Stripped	Matrix (S6)		Marl (F10) (I R	RKI)	-,		Other (F	xplain in Remarks)	,
Dark Sur	face (S7)			, _/					
³ Indicators of	hydrophytic yogota	tion and w	otland hydrology mu	ict bo pi	rocont ur	loce diet	urbod or problematic		
Restrictive I		uon anu w	elianu nyurology mu	ist be p	ieseni, ui				
Restrictive L	ayer (il observed):	.h.atuata							
Type: -	ROCKY SL	Ibstrate							
Depth (in	ches):	12					Hydric Soil Prese	nt? Yes	No <u>X</u>
Remarks:									
This data forr	n is revised from No	orthcentral	and Northeast Regi	ional Su	pplement	Version	2.0 to include the NR	CS Field Indicators of	Hydric Soils,
Version 7.0, 2	2015 Errata. (http://v	www.nrcs.	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)		

Project/Site: Ba	aron Winds Projec	Jt			City/County: Steube	n County		Sampling Date: 5/4/2017
Applicant/Owner	: Everpower	Wind Holdings, Ir	1C.			State:	NY	Sampling Point: 1W @ Wet 3U
Investigator(s):	RF, SZ				Section, To	wnship, Range: <u>T</u>	Town of	Fremont
Landform (hillsid	le, terrace, etc.):	hillside		Local r	elief (concave, conve	x, none): <u>concav</u>	e	Slope %: 0-2
Subregion (LRR	or MLRA): LRR	. R, MLRA 140	Lat:	42.391987	Long:	-77.593781		Datum: WGS 84
Soil Map Unit Na	ame: Fremont Sil	It Slopes, 2 to 8 %	6			NWI classif	ication:	PFO
Are climatic / hyd	drologic conditions	3 on the site typic	al for	this time of year?	Yes X	No	(If no, [,]	explain in Remarks.)
Are Vegetation	, Soil	, or Hydrology		significantly disturb	ed? Are "Norn	nal Circumstance	s" pres	ent? Yes X No
Are Vegetation	, Soil	, or Hydrology		naturally problema	tic? (If needed	d, explain any ans	swers ir	n Remarks.)
		- Attach site	map	showing sam	pling point locat	ions, transec	:ts, im	portant features, etc.
Hydrophytic Ve	actation Present?	Yes	x	No	Is the Sampled A	rea		

Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No	within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland 3U
Remarks: (Explain alternative procedur	res here or in a separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that	at apply)	Surface Soil Cracks (B6)
X_Surface Water (A1) Water-Sta	ained Leaves (B9)	Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fa	auna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Depo	osits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen	Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized F	Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence	of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Irc	on Reduction in Tilled Soils (C6)	Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck	s Surface (C7)	X Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Exp	plain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes X No E	Depth (inches): 6	
Water Table Present? Yes X No C	Penth (inches): 2	
	z = z	
Saturation Present? Yes X No E	Depth (inches): 0 Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X No E (includes capillary fringe)	Depth (inches): 0 Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X No E (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aer	Depth (inches): 0 Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X No E (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aer	Depth (inches): 0 Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X No E (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aer	Depth (inches): 0 Wetlan	d Hydrology Present? Yes X No
Vide Flace	Depth (inches): 0 Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X No E (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aer Remarks:	Depth (inches): 0 Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X No E (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aer Remarks:	Depth (inches): 0 Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X No E (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aer Remarks:	Depth (inches): 0 Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X No E (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aer Remarks:	Depth (inches): 0 Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X No E (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aer Remarks:	Depth (inches): 0 Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X No E (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aer Remarks:	Depth (inches): 0 Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X No E (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aer Remarks:	Depth (inches): 0 Wetlan	d Hydrology Present? Yes X No
Saturation Present? Yes X No E (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aer Remarks:	Depth (inches): 0 Wetlan	d Hydrology Present? Yes X No

Sampling Point: 1W @ Wet 3U

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet
1. Acer rubrum	25	Yes	FAC	
2. Carpinus caroliniana	25	Yes	FAC	Number of Dominant Species That Are OBL_EACW_ or EAC 5 (A)
3				
4				Total Number of Dominant Species Across All Strata: 5 (B)
5				
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
	50	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				$\begin{array}{c} \hline \\ \hline $
1. Acer rubrum	10	Yes	FAC	FACW species $30 \times 2 = 60$
2. Carpinus Carolinia	10	Yes	FAC	FAC species $70 \times 3 = 210$
3.				FACU species $0 x 4 = 0$
4.				UPL species $0 x5 = 0$
5.				Column Totals: 100 (A) 270 (B)
6.				Prevalence Index = $B/A = 2.70$
7.				Hvdrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Carex sp.	30	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^1$
2.				4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				(
6.				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	30	=Total Cover		Herb – All nerbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				We down a All we alw incompared then 2 20 ft in
1.				height.
2.				
3.				Hydrophytic
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Denth	Matrix	to the de	Pedo	v Footur				nuicators.)
(inches)	Color (moist)	%	Color (moist)	% i eatui	Type ¹	1 oc^2	Texture	Remarks
					1990			Komano
0-12	10YR 5/1	100					Loamy/Clayey	
		·						
		·						
		·						
		·						
	·	·						
¹ Type: C=C	oncentration, D=Dep	letion, RM	M=Reduced Matrix, N	1S=Mas	ked Sand	I Grains.	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for	Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Muck	(A10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)		 MLRA 149B)			Coast Prai	rie Redox (A16) (LRR K, L, R)
Black H	istic (A3)		Thin Dark Surf	ace (S9)) (LRR R	, MLRA 1	1 49B) 5 cm Muck	xy Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	611) (LRI	R K, L)	Polyvalue	Below Surface (S8) (LRR K, L)
Stratifie	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark	Surface (S9) (LRR K, L)
Deplete	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Manga	anese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		X Depleted Matri	x (F3)			Piedmont I	Floodplain Soils (F19) (MLRA 149B)
Sandy N	/lucky Mineral (S1)		Redox Dark Su	ırface (F	-6)		Mesic Spo	dic (TA6) (MLRA 144A, 145, 149B)
Sandy C	Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Paren	t Material (F21)
Sandy F	Redox (S5)		Redox Depress	sions (F	8)		Very Shall	ow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)	,		Other (Exp	lain in Remarks)
Dark Su	Irface (S7)			. ,			、	·
³ Indicators o	of hydrophytic vegetat	tion and v	vetland hydrology mu	ist be pi	resent, ur	nless dist	urbed or problematic.	
Restrictive	Layer (if observed):						·	
Type:	Ro	ck						
Depth (i	nches):	12					Hydric Soil Present?	? Yes_X_ No
Pomarks:								
This data for	rm is revised from No	orthcentra	I and Northeast Reg	ional Su	pplemen	Version	2.0 to include the NRCS	Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	www.nrcs	.usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Baron	Winds Proje	ect		City/County: Steuber	County	S	ampling Date:	5/4/2017
Applicant/Owner:	Everpower	r Wind Holdings, In	IC.		State:	NY	Sampling Point	1U @ Wet 3U
Investigator(s): RF, S	SZ			Section, Tov	/nship, Range:]	Fown of Fr	emont	
Landform (hillside, ter	race, etc.):	hillside	Loc	cal relief (concave, conve	k, none): <u>convex</u>	[Slope	%: 0-2
Subregion (LRR or MI	LRA): LRI	R R, MLRA 140	Lat: 42.3902041	Long:	-77.593596		Datum:	WGS 84
Soil Map Unit Name:	Fremont S	Silt Slopes, 2 to 8 %	0		NWI classif	ication: <u>N</u>	I/A	
Are climatic / hydrolog	gic conditior	ns on the site typica	al for this time of year	? Yes X	No	(If no, exp	blain in Remarks	s.)
Are Vegetation	, Soil	, or Hydrology	significantly dis	sturbed? Are "Norm	al Circumstance	es" present	t? Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally proble	ematic? (If needed	, explain any ans	swers in R	emarks.)	
SUMMARY OF F	INDINGS	– Attach site	map showing sa	ampling point locati	ons, transec	cts, imp	ortant featur	res, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No X No X No X	Is the Sampled Area within a Wetland? If yes, optional Wetland S	Yes	<u>No X</u>
Remarks: (Explain alternative procedu	res here or in a	separate report.)			

Wetland Hydrology Indicators:			Secondary Indicators (mir	nimum of two required)
Primary Indicators (minimum of on	ne is required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B	10)
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16	6)
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Ta	able (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living	Roots (C3)	Saturation Visible on	Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled S	oils (C6)	Geomorphic Position	(D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3))
Inundation Visible on Aerial Im	nagery (B7) Other (Explain in Remarks)		Microtopographic Reli	ief (D4)
Sparsely Vegetated Concave S	Surface (B8)		FAC-Neutral Test (D5	5)
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes	No X Depth (inches):	-		
Saturation Present? Yes	No X Depth (inches):	- Wetlar	nd Hydrology Present?	Yes No X
(includes capillary fringe)		-	, .,	
Describe Recorded Data (stream of	gauge, monitoring well, aerial photos, previous ins	pections), if	available:	
		. ,,		
Remarks:				

Sampling Point: 1U @ Wet 3U

	Absolute	Dominant	Indicator	Deminent Texture level
Tree Stratum (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test worksheet:
1. Acer rubrum	25	Yes	FAC	Number of Dominant Species
2. Prunus serotina	25	Yes	FACU	That Are OBL, FACW, or FAC: 2 (A)
 Fagus grandifolia 4. 	15	Yes	FACU	Total Number of Dominant Species Across All Strata: <u>4</u> (B)
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)
7.				Prevalence Index worksheet:
	65	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				$OBL \text{ species } 0 \qquad \text{x 1} = 0$
1. <u> </u>				FACW species $20 x 2 = 40$
2.				FAC species $25 \times 3 = 75$
3.				FACU species 40 x 4 = 160
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 85 (A) 275 (B)
6.				$\frac{1}{2}$ Prevalence Index = B/A = 3.24
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1 Carex sp	20	Yes	FAC:W/	$3 - $ Prevalence Index is $\leq 3.0^{1}$
2		103	TAOW	4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				
				¹ Indicators of hydric soil and wetland hydrology must
7				Definitions of Vogetation Strata
· · · · · · · · · · · · · · · · · · ·				Deminions of Vegetation Strata.
0				Tree – Woody plants 3 in. (7.6 cm) or more in
5				diameter at breast height (DDH), regardless of height.
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	20	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				
,,,,,				woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet)			
	ale sheet.)			

Profile Desc	cription: (Describe	to the de	oth needed to doc	ument tl	he indica	tor or co	onfirm the absence of	f indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR 3/2	100					Loamy/Clayey	
2-14	10YR 5/3	75	7.5YR 5/4	25	С	M	Loamy/Clayey	Faint redox concentrations
		·						
		·						
		· <u> </u>					·	
		·						
		·						
		·					·	
		·						
		·						
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	NS=Mas	ked Sanc	l Grains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for	or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (I	LRR R,	2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)		MLRA 149B	5) (0.0)			Coast Pr	airie Redox (A16) (LRR K, L, R)
Black Hi	istic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA 1	49B) <u>5 cm Mu</u>	cky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma	Sands (S	611) (LRF	R K, L)	Polyvalu	e Below Surface (S8) (LRR K, L)
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)
Deplete	d Below Dark Surface	e (A11)	Loamy Gleyed	l Matrix (F2)		Iron-Mar	iganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	ix (F3)			Piedmon	t Floodplain Soils (F19) (MLRA 149B)
Sandy N	/lucky Mineral (S1)		Redox Dark S	urface (F	-6)		Mesic Sp	oodic (TA6) (MLRA 144A, 145, 149B)
Sandy G	Eleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pare	ent Material (F21)
Sandy F	Redox (S5)		Redox Depres	sions (F	8)		Very Sha	allow Dark Surface (F22)
Stripped	I Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Su	rface (S7)							
31	Charles a bard's second st		- de a d'ha ala da ana an					
Restrictive	a nydropnylic vegelai	lion and w	etiand hydrology m	ust be pi	resent, ur	liess dist	urbed of problematic.	
Type:	Roc	ck						
Depth (i	nches):	12					Hydric Soil Preser	nt? Yes No X
Remarks:								
This data for	rm is revised from No	orthcentral	and Northeast Reg	ional Su	pplement	Version	2.0 to include the NRC	CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	www.nrcs.u	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Stream Inventory

Observer: Name:	RF+SZ	_				Project Infor	mation: Wind Project	
Weather:	65° F, Ov	ercast, Rain				Number:_	13039 Date:	5/4/2017
Stream Na	me:	Stream 3U						
Stream Locatio	n (nearest 1	road, structu	re, etc.) :	East	of Dutch St, nea	nr T71		
Adjacent Comr	nunity:	Upland dec	iduous for	est and agri	cultural fields			
Stream Gradier	nt - gentle - mode - steep	erate	X					
Bank Width:	12-22'	-						
Stream Width:	10-20'	_						
Water Depth:	0-16"	-						
Substrate: - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	X X X						
Instream Cover	r: - Unde - Over - Logs - Deep - Othe	rcut bank changing veg /woody deb pools rr	etation pris	<u>X</u> X				
Flow: - Pern - Inter	nanent rmittent	X						
Photo # Flag #'s	Stream 3U	J						
Additional Cor	nments:	Stream flow	vs south an	ld connectir	ng to a NYSDEC	C Class C stream		
				-				

Environmental Design & Research

Stream Inventory

Name: RF+5Z Name: Baron Wind Project Weather: 65° F, overcast, rain Number: 13039 Date: 5/ Stream Name: Stream 3W Stream Counters 5/ Stream Community: Upland deciduous forest 5/ Stream Gradient - gentle X - - noderate X - steep - Bank Width: 4-7 Stream Width: 3-5' Water Depth: 2-4" Substrate: - Boulder - - Cobble X - - - Substrate: - - Boulder - Cobble X - - Clay X - - Clay X - - - - - - - - - - - - - - -	
Weather: <u>6</u> ° F, overcast, rain Number:	
Stream Name: Stream 3W Stream Location (nearest road, structure, etc.):	4/2017
Stream Location (nearest road, structure, etc.): East of Dutch St, near T 90 Adjacent Community: Upland deciduous forest Stream Gradient - gentle X - moderate X - steep	
Adjacent Community: Upland deciduous forest Stream Gradient - gentle X - moderate X - steep	
Stream Gradient - gentle X - moderate X - steep X Bank Width: $4-7'$ Stream Width: $3-5'$ Water Depth: $2-4''$ Substrate: - Bed Rock - Cobble X - Gravel X - Sand X - Sit X - Clay X - Overhanging vegetation - - Logs/woody debris - - Other - Flow: - Permanent	
Bank Width: $4.7'$ Stream Width: $3.5'$ Water Depth: $2.4''$ Substrate: - Boulder	
Stream Width: 3.5' Water Depth: 2.4" Substrate: - Bed Rock	
Water Depth: 2.4" Substrate: - Boulder	
Substrate: - Bed Rock - Boulder	
Instream Cover: - Undercut bank	
Flow: - Permanent	
- Intermittent X	
Photo # Flag #'s Stream 3W	
Additional Comments: <u>Drainage begins at the edge of the agricultural field and flows southeast</u>	

Environmental Design & Research

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 11/06/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet 3X
Investigator(s): RF, SZ	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Flat Local	relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.394634	Long: -77.591024 Datum: WGS 84
Soil Map Unit Name: FrB - Fremont silt loam, 2 to 8 percent slopes	NWI classification: PFO
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 Hydrologysignificantly distur	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	X	No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland 3X
Hydric Soil Present?	Yes	X	No	
Wetland Hydrology Present?	Yes	X	No	
Remarks: (Explain alternative procedure	s here or i	n a se	eparate report.)	

	s:				Secondary Indicators (mining	mum of two required)
Primary Indicators (minimum o	f one is requi	red; check all that apply)			Surface Soil Cracks (B	6)
X Surface Water (A1)		X Water-Stained Leav	ves (B9)		Drainage Patterns (B10))
X High Water Table (A2)		Aquatic Fauna (B13	3)		Moss Trim Lines (B16)	
X Saturation (A3)		Marl Deposits (B15)		Dry-Season Water Tab	ole (C2)
Water Marks (B1)		X Hydrogen Sulfide C	dor (C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2)		Oxidized Rhizosphe	eres on Living Ro	oots (C3)	Saturation Visible on A	erial Imagery (C9)
Drift Deposits (B3)		Presence of Reduc	ed Iron (C4)		Stunted or Stressed Pla	ants (D1)
Algal Mat or Crust (B4)		Recent Iron Reduct	tion in Tilled Soils	s (C6)	Geomorphic Position (I	D2)
Iron Deposits (B5)		Thin Muck Surface	(C7)		Shallow Aquitard (D3)	
Inundation Visible on Aeria	al Imagery (B7) Other (Explain in R	emarks)		X Microtopographic Relie	f (D4)
Sparsely Vegetated Conca	ave Surface (E	38)			X FAC-Neutral Test (D5)	
Field Observations:						
Surface Water Present?	Yes X	No Depth (inc	hes): 12			
Water Table Present?	Yes X	No Depth (inc	hes): 3			
Saturation Present?	∕es X	No Depth (inc	hes): 0	Wetlan	nd Hydrology Present?	Yes X No
(includes capillary fringe)						
(includes capillary fringe) Describe Recorded Data (strea	am gauge, mo	nitoring well, aerial photos	s, previous inspe	ections), if	available:	
(includes capillary fringe) Describe Recorded Data (strea	am gauge, mc	nitoring well, aerial photo	s, previous inspe	ctions), if	available:	
(includes capillary fringe) Describe Recorded Data (streation of the streat str	am gauge, mc	nitoring well, aerial photos	s, previous inspe	ctions), if	available:	
(includes capillary fringe) Describe Recorded Data (streation of the streat str	am gauge, mc	nitoring well, aerial photos	s, previous inspe	ctions), if a	available:	
(includes capillary fringe) Describe Recorded Data (strea Remarks:	am gauge, mc	nitoring well, aerial photos	s, previous inspe	ections), if a	available:	
(includes capillary fringe) Describe Recorded Data (streation) Remarks:	am gauge, mc	nitoring well, aerial photos	s, previous inspe	Lections), if a	available:	
(includes capillary fringe) Describe Recorded Data (strea Remarks:	am gauge, mc	nitoring well, aerial photos	s, previous inspe	Lections), if a	available:	
(includes capillary fringe) Describe Recorded Data (streation of the streat str	am gauge, mc	nitoring well, aerial photos	s, previous inspe	Lections), if a	available:	
(includes capillary fringe) Describe Recorded Data (streation of the streat str	am gauge, mc	nitoring well, aerial photos	s, previous inspe	Lections), if a	available:	
(includes capillary fringe) Describe Recorded Data (strea Remarks:	am gauge, mc	nitoring well, aerial photos	s, previous inspe	Lections), if a	available:	
(includes capillary fringe) Describe Recorded Data (streation) Remarks:	am gauge, mc	nitoring well, aerial photos	s, previous inspe	Lections), if a	available:	
(includes capillary fringe) Describe Recorded Data (streation) Remarks:	am gauge, mc	nitoring well, aerial photos	s, previous inspe	Lections), if a	available:	

Sampling Point: <u>1W @ Wet 3X</u>

Tara Chataire (Plateire) 20	Absolute	Dominant	Indicator	Deminence Test werkehest
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test worksneet:
1. Acer rubrum	45	Yes	FAC	Number of Dominant Species
2. Fagus grandifolia	20	Yes	FACU	That Are OBL, FACW, or FAC:3(A)
 Fraxinus pennsylvanica 4. 	15	No	FACW	Total Number of Dominant Species Across All Strata: <u>4</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:75.0% (A/B)
7				Prevalence Index worksheet:
	80	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Lindera benzoin	15	Yes	FACW	FACW species $80 \times 2 = 160$
2.				FAC species 45 x 3 = 135
3.				FACU species $20 \times 4 = 80$
4.				UPL species $0 \times 5 = 0$
5				Column Totals: 145 (A) 375 (B)
6				$\frac{1}{2} = \frac{1}{2} = \frac{1}$
7				Hydrophytic Vogetation Indicators:
<i>I</i>		Total Cauar		Denid Test for Undershutin Vegetation
	15	= rotar Cover		
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Carex sp.	50	Yes	FACW	X_3 - Prevalence Index is $\leq 3.0^{\circ}$
2				4 - Morphological Adaptations' (Provide supporting
3			·	
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10.				Sonling/shrub Weady plants loss than 2 in DPH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	50	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				
, 1				Woody vines – All woody vines greater than 3.28 ft in height
2				noight
2				Hydrophytic
				Vegetation
4				Present? fes <u>×</u> No
		= I otal Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument t	he indica	tor or co	onfirm the absence of ind	icators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR 2/2	100					Loamy/Clayey	
2-16	10YR 5/2	60	7.5YR 4/4	10	С	М	Loamy/Clayey	Distinct redox concentrations
	10YR 4/1	30						
		·						
¹ Type: C=C	oncentration D=Dep	letion RN		//S=Mas	ked Sand	Grains	² Location: PL =Pr	pre Lining M=Matrix
Hydric Soil	Indicators:					<u>e</u> ranier	Indicators for Pr	oblematic Hydric Soils ³ :
Histosol	(A1)		Polvvalue Belo	ow Surfa	ce (S8) (I	LRR R.	2 cm Muck (A	(10) (LRR K. L. MLRA 149B)
Histic Er	bipedon (A2)			5)		,	Coast Prairie	Redox (A16) (LRR K. L. R)
Black Hi	stic (A3)		Thin Dark Surf	, ace (S9) (LRR R	MLRA 1	49B) 5 cm Mucky I	Peat or Peat (S3) (LRR K, L, R)
X Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	511) (LRF	R K, L)	Polyvalue Be	low Surface (S8) (LRR K, L)
Stratified	Lavers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark Su	rface (S9) (LRR K, L)
X Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)	. ,	Iron-Mangane	ese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)	. ,	X Depleted Matri	ix (F3)	,		Piedmont Flo	odplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	-6)		Mesic Spodic	(TA6) (MLRA 144A, 145, 149B)
Sandy G	ileyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent M	laterial (F21)
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Very Shallow	Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explai	n in Remarks)
Dark Su	rface (S7)							
³ Indicators of	f hydrophytic vegetat	tion and v	vetland hydrology mu	ust be pi	resent, ur	nless dist	urbed or problematic.	
Restrictive I	Layer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Present?	Yes X No
Remarks:								
This data for	m is revised from No	orthcentra	I and Northeast Reg	ional Su	pplemen	Version	2.0 to include the NRCS Fi	eld Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	www.nrcs.	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 5/4/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet 3X
Investigator(s): RF, SZ	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Flat Loca	I relief (concave, convex, none): <u>convex</u> Slope %: <u>0</u>
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.394677	Long: <u>-77.591206</u> Datum: <u>WGS 84</u>
Soil Map Unit Name: FrB - Fremont silt loam, 2 to 8 percent slopes	NWI classification: N/A
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 Hydrologysignificantly distu	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sar	npling 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indicat	ors:				Secondary Indicators (mir	nimum of two required)
Primary Indicators (minimum	n of one is require	ed; check all	that apply)		Surface Soil Cracks (B6)
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B	10)
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16	6)
Saturation (A3)		Marl De	eposits (B15)		Dry-Season Water Ta	able (C2)
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on Living R	oots (C3)	Saturation Visible on	Aerial Imagery (C9)
Drift Deposits (B3)		Presen	ce of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled Soi	ls (C6)	Geomorphic Position	(D2)
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3))
Inundation Visible on Ae	rial Imagery (B7)) Other (Explain in Remarks)		Microtopographic Reli	ief (D4)
Sparsely Vegetated Cor	icave Surface (B	8)			FAC-Neutral Test (D5	5)
Field Observations:						
Surface Water Present?	Yes	No X	Depth (inches):			
Water Table Present?	Yes	No X	Depth (inches):			
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X
(includes capillary fringe)						
Describe Recorded Data (str	eam gauge, mor	nitoring well,	aerial photos, previous insp	ections), if	available:	
Remarks:						

Sampling Point: 1U @ Wet 3X

Trop Stratum (Diat size) 20	Absolute	Dominant	Indicator	Deminence Test werkeheet
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test worksneet:
	30	Yes	FACU	Number of Dominant Species
2. Fagus granditolia	30	Yes	FACU	That Are OBL, FACW, or FAC:(A)
3. Acer rubrum 4.	15	Yes	FAC	Total Number of Dominant Species Across All Strata: 5 (B)
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 20.0% (A/B)
7.				Prevalence Index worksheet:
	75	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 $x 1 = 0$
1. Fagus grandifolia	50	Yes	FACU	FACW species $0 x 2 = 0$
2.				FAC species $15 \times 3 = 45$
3.				FACU species 110 $x 4 = 440$
4.				UPL species 75 x 5 = 375
5.				Column Totals: 200 (A) 860 (B)
6				$\frac{1}{2} = \frac{1}{2} = \frac{1}$
7				Hydrophytic Vegetation Indicators:
	50	-Total Cover		1 - Ranid Test for Hydronhytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1 Enthronium amoriconum	75	Voo		$\frac{2}{2} = \frac{2}{2} = \frac{1}{2} = \frac{1}{2}$
	/5	res	UPL	$\frac{3}{1000} = \frac{3}{100000000000000000000000000000000000$
2				data in Remarks or on a separate sheet)
3				
4				Problematic Hydrophytic Vegetation' (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	75	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL	
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Color (moist) % Color (moist) % Type ¹ Loc ² Texture Ref 0-6 10YR 3/1 100 Loamy/Clayey Loamy/Clayey Loamy/Clayey Loamy/Clayey Image: Clayey Image: Clayey Prominent red 12-16 10YR 5/3 80 7.5YR 5/6 20 C M Loamy/Clayey Prominent red Image: Clayey Image: Clayey Image: Clayey Prominent red Image: Clayey Prominent red Image: Clayey Image: Clayey Image: Clayey Image: Clayey Prominent red Image: Clayey Image: Clayey Image: Clayey Image: Clayey Prominent red Image: Clayey Image: Clayey Image: Clayey Image: Clayey Prominent red Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey Image: Clayey <td< th=""><th>Type1 Loc2 Texture Remarks Loamy/Clayey Loamy/Clayey Prominent redox concentrations C M Loamy/Clayey Prominent redox concentrations C M Loamy/Clayey Prominent redox concentrations </th></td<>	Type1 Loc2 Texture Remarks Loamy/Clayey Loamy/Clayey Prominent redox concentrations C M Loamy/Clayey Prominent redox concentrations C M Loamy/Clayey Prominent redox concentrations
0-6 10YR 3/1 100 Loamy/Clayey 6-12 10YR 2/1 100	Loamy/Clayey C M Loamy/Clayey Prominent redox concentrations Loamy/Clayey Prominent redox concentrations Loamy/Clayey Prominent redox concentrations M Loamy/Clayey Polyeau Polyeau Loamy/Clayey Prominent redox concentrations Loamy/Clayey Prominent redox concentrations Loamy/Clayey Prominent redox concentrations Loamy/Clayey Prominent redox concentrations Loamy/Clayey Polyeau Loamy/Clayey Polyeau Loamy/Clayey Polyeau Loamont Eleodolein Scills (E10) (MR R, L, R)
6-12 10YR 2/1 100 Loamy/Clayey 12-16 10YR 5/3 80 7.5YR 5/6 20 C M Loamy/Clayey Prominent redc 12-16 10YR 5/3 80 7.5YR 5/6 20 C M Loamy/Clayey Prominent redc 12-16 10YR 5/3 80 7.5YR 5/6 20 C M Loamy/Clayey Prominent redc 12-16 10YR 5/3 80 7.5YR 5/6 20 C M Loamy/Clayey Prominent redc 12-16 10YR 5/3 80 7.5YR 5/6 20 C M Loamy/Clayey Prominent redc 12-17 100 1	Loamy/Clayey Prominent redox concentrations
012 1011 21 100 Learny/Clayey Prominent redc 12:16 10YR 5/3 80 7.5YR 5/6 20 C M Loamy/Clayey Prominent redc	C M Loamy/Clayey Prominent redox concentrations M Loamy/Clayey Prominent redox concentrations C Indicators for Problematic Hydric Soils ³ : Ce (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A16) (LRR K, L, R) M Coast Prairie Redox (A16) (LRR K, L, R) M S cm Mucky Peat or Peat (S3) (LRR K, L, R) M Polyvalue Below Surface (S9) (LRR K, L) F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L, R) Piodmont Eloodalain Soils (E12) (LRR K, L, R) <
12:16 10YR 5/3 80 7.5YR 5/6 20 C M Loamy/Clayey Prominent redd	C M Loamy/Clayey Prominent redox concentrations
¹ Type: C-Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M= Hydric Soil Indicators: Indicators for Problematic Hy Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Histic (A3) Thin Dark Surface (S9) (LRR K, L) High Chroma Sands (S11) (LRR K, L) Sord Mucky Peat or Peat (1) Depleted Below Dark Surface (A11) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A12) Depleted Matrix (F2) Thick Dark Surface (A12) Depleted Dark Surface (F6) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Sandy Surface (S7) Matrix (F10) (LRR K, L) Sandy Surface (S7) Matrix (F10) (LRR K, L)	Ked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : Ce (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) (11) (LRR K, L) (F1) (LRR K, L) (F10) (MLR A 149E) (F10) (MLR A 149E)
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M= Hydric Soil Indicators: Indicators for Problematic Hy Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, I) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S11) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils is Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 3 Other (Explain in Remarks)	ked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : ce (S8) (LRR R,
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M= Hydric Soil Indicators: Indicators for Problematic Hy Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Other (Explain in Remarks) Dark Surface (S7)	Ked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : Ce (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 1 (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 111) (LRR K, L) (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) F2) Linon-Manganese Masses (F12) (LRR K, L, R) Diadmont Eleopholic Soils (E10) (ML PA 149B)
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M= Hydric Soil Indicators: Indicators for Problematic Hy Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S1) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LR T, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Surface (S9) (LR Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thin Dark Surface (S9) (LR Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Bet to the total tota	Ked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : ce (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) (11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L, R) (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) F2) Iron-Manganese Masses (F12) (LRR K, L, R)
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M= Hydric Soil Indicators: Indicators for Problematic Hy Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7) Other (Explain in Remarks)	ked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : ce (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) f (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) (11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L, R) (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) (F2) Iron-Manganese Masses (F12) (LRR K, L, R)
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M= Hydric Soil Indicators: Indicators for Problematic Hy Histosol (A1) Polyvalue Below Surface (S8) (LRR R, L) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7)	ked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : ce (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) (1) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L, R) (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) F2) Iron-Manganese Masses (F12) (LRR K, L, R)
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M= Hydric Soil Indicators: Indicators for Problematic Hy Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Muck (A10) (LRR K, 16) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LR Polyvalue Below Surface (S9) (LR Back Mistic (A12) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F Piedmont Floodplain Soils Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA Sandy Gleyed Matrix (S4) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface Stripped Matrix (S6) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks)	ked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : ce (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 1 (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 11) (LRR K, L) (F1) (LRR K, L) (F1) (LRR K, L) (F1) (LRR K, L) (F2) (MI RA 149E)
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M= Hydric Soil Indicators: Indicators for Problematic Hy Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, I) Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Higt Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (S7) Very Shallow Dark Surface	ked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : ce (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) (1) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) F2) Iron-Manganese Masses (F12) (LRR K, L, R)
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M= Hydric Soil Indicators: Indicators for Problematic Hy	ked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : ce (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) (11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) F2) Iron-Manganese Masses (F12) (LRR K, L, R)
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M= Hydric Soil Indicators: Indicators for Problematic Hy Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) 2 cm Muck (A10) (LRR K, L) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LR R, K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LF Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (MLRA Surface (F6) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Dark Surface (S7) Other (Explain in Remarks)	ked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : ce (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 0 (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 111) (LRR K, L) 1F11 (LRR K, L) 1F21 1F21 111
Hydric Soil Indicators: Indicators for Problematic Hy Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Mucky Mineral (F1) (LRR K, L) Thick Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Redox (S5) Redox Depressions (F8) Stripped Matrix (S6) Marl (F10) (LRR K, L) Dark Surface (S7)	Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : ce (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) (I1) (LRR K, L) (F1) (LRR K, L) F2) Iron-Manganese Masses (F12) (LRR K, L, R) Diadmont Elogenation Soils (E10) (MLRA 149E)
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Surface (S9) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Parent Material (F10) (LRR K, L) Other (Explain in Remarks)	ce (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) coast Prairie Redox (A16) (LRR K, L, R) f (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) 9 (LRR K, L) (F1) (LRR K, L) (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Poignant Elongaption Saite (E10) (ML PA 149B)
Indication (R1) Indication (R1) Indication (R1) Indication (R1) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LF Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LF Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks)	Coast Prairie Redox (A16) (LRR K, L, R) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR K, L) (F1) (LRR K, L) (F1) (LRR K, L) F2) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmant Elegation Sails (E10) (ML PA 1405)
Induct Epipedon (R2) Thin Dark Interfect (R16) Coddst Haine Redox (R16) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LF Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Parent for the data base of the data base o	(LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) (511) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) F2) Iron-Manganese Masses (F12) (LRR K, L, R)
Black Histic (AG) Hinh Dark Surface (SG) (Erkt R, MELKE 145D) Strin Hocky Fear Of Fear (Fear (Fea	(F1) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) F2) Iron-Manganese Masses (F12) (LRR K, L, R)
Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LF Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLR4 Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Stripped Matrix (S6) Marl (F10) (LRR K, L)	(F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) F2) Iron-Manganese Masses (F12) (LRR K, L, R) Biodmont Eloodplain Soils (E10) (MI BA 1495)
	F2) Iron-Manganese Masses (F12) (LRR K, L, R) Biodmont Eloodplain Soils (F10) (MI BA 1495
	F2) Iron-Iwanganese Masses (F12) (LRR K, L, R)
Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Art to the depleted to the depleted back surface Marl (F10) (LRR K, L)	
Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) It to the depleted bark surface to the structure of the depleted bark surface It to the depleted bark surface	6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Marl (F10) (LRR K, L) Other (Explain in Remarks)	(F7) Red Parent Material (F21)
Stripped Matrix (S6)Marl (F10) (LRR K, L)Other (Explain in Remarks) Dark Surface (S7)	3) Very Shallow Dark Surface (F22)
	Other (Explain in Remarks)
3 P. A. P.	
Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	esent, unless disturbed or problematic.
Restrictive Layer (if observed):	
Type:	Undeia Cail Dragant? Van Na V
	Hydric Soll Present? Tes No A
Remarks:	
This data form is revised from Northeastral and Northeast Designal Supplement Version 2.0 to include the NDCS Field Indiastors	anlament Varian 2.0 to include the NDCS Field Indiastors of Lludris Saile

Project/Site: Baron Winds Proje	ect	City/County: Steube	n County S	ampling Date: 5/5/2017
Applicant/Owner: Everpower	r Wind Holdings, Inc.		State: NY	Sampling Point: 1W @ Wet 3Z
Investigator(s): RF, SZ		Section, To	wnship, Range: Town of F	remont
Landform (hillside, terrace, etc.):	depression	Local relief (concave, conve	x, none): <u>concave</u>	Slope %: 0-2
Subregion (LRR or MLRA): LR	R R, MLRA 140 Lat: 42.45	3317 Long:	-77.572260	Datum: WGS 84
Soil Map Unit Name: Wn - Waylan	d soils complex, non-calcareous subst	ratum, 0 to 3 percent slopes, frequently floor	led NWI classification:	PEM
Are climatic / hydrologic condition	ns on the site typical for this tin	ne of year? Yes X	No (If no, ex	plain in Remarks.)
Are Vegetation, Soil	, or Hydrologysignif	cantly disturbed? Are "Norn	nal Circumstances" presen	t? Yes X No
Are Vegetation, Soil	, or Hydrology natura	ally problematic? (If needed	J, explain any answers in F	Remarks.)
SUMMARY OF FINDINGS	– Attach site map sho	wing sampling point locat	ions, transects, imp	ortant features, etc.

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland 3Z
Hydric Soil Present?	Yes X	No	
Wetland Hydrology Present?	Yes X	No	
Remarks: (Explain alternative procedure	s here or in a se	eparate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	oots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	ls (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)	X FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes X	No Depth (inches): 12	
Water Table Present? Yes X	No Depth (inches): 4	
Saturation Present? Yes X	No Depth (inches): 0	Wetland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspec	ections), if available:
Remarks:		
Sampling Point: 1W @ Wet 3Z

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:4 (A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>4</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 90 x 1 = 90
1. Spiraea alba	25	Yes	FACW	FACW species 50 x 2 = 100
2. <u>Salix sp.</u>	15	Yes	OBL	FAC species 0 x 3 = 0
3. Cornus sericea	15	Yes	FACW	FACU species 10 x 4 = 40
4.				UPL species 0 x 5 = 0
5.				Column Totals: 150 (A) 230 (B)
6				$\frac{1.53}{2}$
7.				Hydrophytic Vegetation Indicators:
	55	-Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Harb Stratum (Plat size: 5)				X 2 Deminance Test is > 50%
<u>Herb Stratum</u> (Flot size. <u>5</u>)	75	M		X 2 - Dominance rest is >50%
	/5	res		$\frac{1}{2}$ 3 - Prevalence index is ≤ 3.0
2. Solidago sp.	10	No	FACU	data in Remarks or on a separate sheet)
3. <u>Onoclea sensibilis</u>	10	No	FACW	
4		·		Problematic Hydrophytic Vegetation (Explain)
5 6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
· · · · · · · · · · · · · · · · · · ·				diameter at breast height (DDF), regardless of height.
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	95	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3				Hydrophytic
				Vegetation Present? Yes Y No
*		Total Causer		
		= I otal Cover		
Remarks. (include proto numbers nere of on a sepa	iale sheet.)			

Depth				-				,
(Concellence)	Matrix		Redo	x Featur	es Trans 1	1 2	Tautum	Demender
(inches)	Color (moist)		Color (moist)	%	Туре	Loc-	l exture	Remarks
0-4	10YR 3/1	100					Loamy/Clayey	
4-16	5GY 4/1	80	7.5YR 4/4	20	С	М	Loamy/Clayey	
		·						
		·						
		·						
1							21	
Type: C=Cor	ncentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Masi	ked Sand	Grains.	² Location: PL=Pc	ore Lining, M=Matrix.
Historol (A 1)		Polyaciuo Role	w Surfa	co (S8) (I		a cm Muck (/	
	AI) nedon (A2)		ΡΟΙγναίαε Βείζ	Sunad	ce (36) (i		Coast Prairie	Redox (A16) (I RR K I R)
Black His	tic (A3)		Thin Dark Surf	'' ace (S9)		MI RA 1	49B) 5 cm Mucky I	Peat or Peat (S3) (I RR K I R)
Hvdrogen	Sulfide (A4)		High Chroma	Sands (S	(_	R K. L)	Polvvalue Be	low Surface (S8) (LRR K. L)
Stratified	Lavers (A5)		Loamv Muckv	Mineral	(F1) (LRI	R K. L)	Thin Dark Su	rface (S9) (LRR K. L)
X Depleted	Below Dark Surface	e (A11)	X Loamy Gleyed	Matrix (F2)	, ,	Iron-Mangane	ese Masses (F12) (LRR K, L, R)
Thick Dar	k Surface (A12)	· · ·	Depleted Matri	ix (F3)	,		Piedmont Flo	odplain Soils (F19) (MLRA 149B)
Sandy Mu	ucky Mineral (S1)		Redox Dark S	urface (F	6)		Mesic Spodic	(TA6) (MLRA 144A, 145, 149B)
Sandy Gle	eyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent M	laterial (F21)
Sandy Re	edox (S5)		Redox Depres	sions (F8	3)		Very Shallow	Dark Surface (F22)
Stripped N	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explai	n in Remarks)
Dark Surf	ace (S7)							
2								
°Indicators of	hydrophytic vegetat	tion and w	etland hydrology m	ust be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive La	ayer (if observed):							
Type:								
Depth (ind	ches):							

Project/Site: Baron Winds P	roject	City/C	ounty: Steuben County	Sampling Date: 5/5/2017
Applicant/Owner: Everpo	ower Wind Holdings, Inc.		State:	NY Sampling Point: 10 @ Wet 3Z
Investigator(s): RF, SZ			Section, Township, Range: To	own of Fremont
Landform (hillside, terrace, etc	c.): depression	Local relief (c	oncave, convex, none): <u>concave</u>	Slope %: 0-5
Subregion (LRR or MLRA):	LRR R, MLRA 140 Lat:	42.453163	Long: -77.5702084	Datum: WGS 84
Soil Map Unit Name: Wn - Wa	yland soils complex, non-calcareou	is substratum, 0 to 3 percent slop	es, frequently flooded NWI classifie	cation: PEM
Are climatic / hydrologic condi	itions 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	s" present? Yes X No
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(If needed, explain any ans	wers in Remarks.)
SUMMARY OF FINDING	GS – Attach site map	showing sampling	point locations, transect	ts, 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:				
Hydric Soil Present?	Yes	No X					
Wetland Hydrology Present?	Yes	No X					
Remarks: (Explain alternative procedures here or in a separate report.)							

Wetland Hydrology Indica	tors:				Secondary Indicators (minimum of two required)		
Primary Indicators (minimur	n of one is require		Surface Soil Cracks (B6)				
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B	10)	
High Water Table (A2)		Moss Trim Lines (B16	5)				
Saturation (A3)		Dry-Season Water Ta	ble (C2)				
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8))	
Sediment Deposits (B2))	Oxidize	ed Rhizospheres on Living F	Roots (C3)	Saturation Visible on	Aerial Imagery (C9)	
Drift Deposits (B3)		Presen	ce of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)	
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled So	ils (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on A	erial Imagery (B7) Other (Explain in Remarks)		Microtopographic Reli	ef (D4)	
Sparsely Vegetated Co	ncave Surface (B	(8)			FAC-Neutral Test (D5)	
Field Observations:							
Surface Water Present?	Yes	No X	Depth (inches):				
Water Table Present?	Yes	No X	Depth (inches):				
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X	
(includes capillary fringe)							
Describe Recorded Data (st	iream gauge, mor	nitoring well,	aerial photos, previous insp	ections), if	available:		
Remarks:							

Sampling Point: 1U @ Wet 3Z

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. Malus sp.	20	Yes	UPL	Number of Dominant Crasica	
2. Rhus typhina	15	Yes	UPL	That Are OBL, FACW, or FAC:	(A)
3 4				Total Number of Dominant Species Across All Strata:	3(B)
5 6		·		Percent of Dominant Species That Are OBL, FACW, or FAC:	<u> </u>
7				Prevalence Index worksheet:	
	35	=Total Cover		Total % Cover of:	Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x	1 =
1				FACW species 0 x	2 =0
2				FAC species 0 x	3 =0
3				FACU species 105 x	4 = 420
4.				UPL species 35 x	5 = 175
5.				Column Totals: 140 (A	A) 595 (B)
6.				Prevalence Index = B/A =	4.25
7.		·		Hydrophytic Vegetation Indicate	ors:
		=Total Cover		1 - Rapid Test for Hydrophyti	c Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%	ovegetation
1 Public on	70	Voo	EACU	$\frac{2}{2} = \frac{2}{2} = \frac{2}$	
1. Rubus sp.				5 - Prevalence index is ≤5.0	a ¹ (Dravida aupporting
2. Solidago canadensis	20		FACU	data in Remarks or on a se	eparate sheet)
3. <u>Galium aparine</u>	15	No	FACU		1
4		<u> </u>		Problematic Hydrophytic Veg	jetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetla	and hydrology must
6				be present, unless disturbed or pr	roblematic.
7		·		Definitions of Vegetation Strata	3:
8				Tree – Woody plants 3 in. (7.6 cn	n) or more in
9				diameter at breast height (DBH),	regardless of height.
10				Sanling/shrub – Woody plants le	ess than 3 in DBH
11				and greater than or equal to 3.28	ft (1 m) tall.
12.				Harb All barbacoous (non wood	dv) plante, rogardiose
	105	=Total Cover		of size, and woody plants less that	an 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines - All woody vines of	greater than 3.28 ft in
1.				height.	
2.					
3.				Hydrophytic	
4		·		Vegetation Present? Yes	No X
		=Total Cover			<u> </u>
Pomarka: (Include photo numbero horo or on a conce	rata abaat)				
Remarks. (include photo numbers here of on a separ	rate sneet.)				

Profile Desc	ription: (Describe t	to the de	pth needed to docu	ument tl	he indica	ator or co	onfirm the absence of in	dicators.)
Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 3/2	100					Loamy/Clayey	
	·		·					
17			A Deduced Metric A				21 a satisma DL 1	Dana Lining M. Matrix
		ellon, Kiv		15=IVIas	keu Sano	i Grains.		
	(11)				oo (S9) (
	(AI)			w Suna v	ce (56) (LKK K,	2 CITI MUCK	(A10) (LRR R, L, MILRA 149B)
Histic Ep	npedon (AZ)		WILRA 149B) (CO)				e Redox (A16) (LRR K, L, R)
	STIC (A3)			ace (59) Dende (5			49B) 5 cm Mucky	Peat of Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma	Sands (S	511) (LRI	κκ, L)		
Stratified	Layers (Ab)	()		Matria		κ κ, L)		
	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Manga	nese Masses (F12) (LRR K, L, R)
	Irk Surface (A12)		Depleted Matri	x (F3)	-0)		Pleamont F	
Sandy M	lucky Mineral (S1)		Redox Dark St	unace (F	·()		Iviesic Spoo	IC (1A6) (MLRA 144A, 145, 149B)
Sandy G	aday (CC)			Sunace	e (F7)			Wateriar (F21)
Sandy R	edox (SS)		Redox Depress		8)		very Shallo	w Dark Surface (F22)
Stripped	Matrix (S6)		IMari (F10) (LR	R K, L)			Other (Expl	ain in Remarks)
Dark Sur	Tace (S7)							
31								
Indicators of	nydropnytic vegetati	ion and w	vetiand hydrology mu	ust be pr	resent, ur	liess dist	urbed or problematic.	
Tupo	ayer (il observed):							
Type.	Glav	ei						
Depth (ir	nches):	4					Hydric Soil Present?	Yes No_X_
Remarks:								
This data for	m is revised from No	rthcentra	I and Northeast Reg	ional Su	pplemen	t Version	2.0 to include the NRCS	Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)	

Observer:			Project Information:						
Name: Weather:	RF+SZ	-				Name: Baro	on Wind Project	5/5/2017	
weather.	05 Г, Ка	iiiy				Number	13039 Date.	5/ 5/ 2017	
Stream Na	me:	Stream 3Z							
Stream Locatio	on (nearest	road, structur	e, etc.) :	East of Ro	oute 21, near D	Derevees Rd			
Adjacent Com	munity:	Upland deci	duous an	d previously	y disturbed/re	bad			
Stream Gradie	nt - gentle - mod - steep	erate	X	-					
Bank Width:	60-115'	-							
Stream Width:	60-115'+	-							
Water Depth:	1'+	-							
Substrate: - - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	x x x x x							
Instream Cove	r: - Unde - Ove - Log - Dee - Oth	ercut bank rhanging vega s/woody deba p pools er	etation ris	<u>X</u> <u>X</u>					
Flow: - Perr - Inte	nanent rmittent	<u>x</u>							
Photo # Flag #'s	Stream 3	Z							
Additional Comments: <u>Large established stream, flows south</u> . Stream is a Protected NYSDEC C(TS) stream									
	Environm	ental Design	& Researc	ch					

Observer: Name:	RF+SZ					Project Info Name:Baror	r mation: Wind Project	
Weather:	65° F, Ov	ercast				Number:_	13039 Date:	5/5/2017
Stream Na	me:	Stream 4A						
Stream Locatio	on (nearest	road, structur	e, etc.) :	Crosses Count	ty Rout	e 121		
Adjacent Com	munity:	Upland deci	duous and e>	kisting road				
Stream Gradier	nt - gentle - mode - steep	erate	X					
Bank Width:	5-10'	-						
Stream Width:	3-5'	_						
Water Depth:	0-6"	-						
Substrate: - - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	x x x x x						
Instream Cove:	r: - Unde - Ove - Log: - Deej - Othe	ercut bank rhanging veg s/woody deb o pools er	etation is	x				
Flow: - Pern - Inte	nanent rmittent	<u>X</u>						
Photo # Flag #'s	Stream 4	A						
Additional Con	mments: _	<u>Stream flow</u>	s north under	r County Route 12	<u>21</u>			

Observer:						Project Inf	ormation:	
Name:	RF+SZ	_				Name: Baro	n Wind Project	
Weather:	50° F, Su	nny	_			Number:_	13039 Date:	5/9/2017
Stream Na	ame:	Stream 4C	_					
Stream Locati	on (nearest	road, structu	ıre, etc.) :	West	of New Galer	n Rd.		
Adjacent Com	munity:	Maintaineo	l cow past	ure				
Stream Gradie	ent - gentle - mode - steep	erate	X	- -				
Bank Width:	4-10'	-						
Stream Width	:3-8'	-						
Water Depth:	4-18"	-						
Substrate: -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	x X	-					
Instream Cov	er: - Unde - Ove - Log - Deej - Othe	ercut bank rhanging ve s/woody de p pools er	getation bris					
Flow: - Per - Inte	manent ermittent	X	-					
Photo # Flag #'s	Stream 4							
Additional Co <u>Stream is n</u>	omments: _ napped by t	<u>Stream flow</u> he NYSDEC	ws north th as Class C	rrough an actir channel.	ve cow pastu	re field.		

Environmental Design & Research

Project/Site: Baror	n Winds			City/County: Steuber	n County		Sampling Date: 8/2/2	2017
Applicant/Owner:	Everpower	Nind Holdings, Inc.			State:	NY	Sampling Point: 1W	@ Wet 4D
Investigator(s): RF	, CL			Section, Tov	vnship, Range: [·]	Town of	Wayland	
Landform (hillside, te	errace, etc.):	Hill slope	Local re	elief (concave, conve	x, none): <u>Conca</u>	ve	Slope %:	5
Subregion (LRR or I	MLRA): LRR	R, MLRA 140 L	at: 42.452471	Long:	-77.557283		Datum: WGS	S 84
Soil Map Unit Name	: VoC - Volus	ia channery silt loa	m, 8 to 15 percent slop	es	NWI classi	fication:	PSS	
Are climatic / hydrol	ogic conditions	on the site typical	for this time of year?	Yes <u>x</u>	No	(If no, e	xplain in Remarks.)	
Are Vegetation	, Soil	, or Hydrology	significantly disturb	ed? Are "Norm	al Circumstance	es" prese	nt? Yes <u>x</u> No	
Are Vegetation	, Soil	, or Hydrology	naturally problemat	ic? (If needed	, explain any an	swers in	Remarks.)	
SUMMARY OF	FINDINGS	- Attach site m	ap showing samp	ling point locati	ions, transe	cts, im	portant features,	etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes X No Yes X No Yes X No	Is the Sampled Area within a Wetland? Yes x No If yes, optional Wetland Site ID: Wetland 4D
Remarks: (Explain alternative procedures	here or in a separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)
_x_Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	X Oxidized Rhizospheres on Living Roots	(C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C	6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes X	No Depth (inches): 2	
Water Table Present? Yes	No x Depth (inches):	
Saturation Present? Yes x	No Depth (inches): 0 V	Vetland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspection	ns), if available:
Remarks:		

Sampling Point: <u>1W @ Wet 4D</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15)				OBL species 10 x 1 = 10
1. Cornus amomum	20	Yes	FACW	FACW species 110 x 2 = 220
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 120 (A) 230 (B)
6.				Prevalence Index = $B/A = 1.92$
7.				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1 Impatiens canensis	90	Vas	FACW	X_{3} - Prevalence Index is <3.0 ¹
	10	<u> </u>		$\frac{1}{4}$ - Morphological Adaptations ¹ (Provide supporting
2. Solidago rugosa				data in Remarks or on a separate sheet)
3				
4				
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
/				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall
Woody Vine Stratum (Plot size: 30)				
1				Woody vines – All woody vines greater than 3.28 ft in height.
2				Hydronbytic
3				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL

Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10yr 4/1	85	7.5yr 4/6	15	C	M	Loamy/Clayey	Prominent redox concentrations
8-18	2.5y 5/1	80	7.5yr 4/6	20	С	М	Loamy/Clayey	
					_			
					_			
		_			_			
		_			_			
¹ Type: C=Co	oncentration, D=Dep	letion. RM		MS=Masl	ked Sand	Grains.	² Location: P	I =Pore Lining, M=Matrix,
Hydric Soil	Indicators:						Indicators for	or Problematic Hydric Soils ³ :
Histosol Histic Ep	(A1) bipedon (A2) stic (A3)		Polyvalue Belo MLRA 149B Thin Dark Surf	ow Surfac 3) face (S9)	ce (S8) () (LRR R	LRR R, , MLRA 1	2 cm Mu Coast Pr 149B) 5 cm Mu	ick (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) icky Peat or Peat (S3) (LRR K, L, R)
Hydroge Stratified	n Sulfide (A4) d Layers (A5)		High Chroma S	Sands (S Mineral (511) (LRI (F1) (LR I	R K, L) R K, L)	Polyvalu Thin Dar	e Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L)
Depleted	d Below Dark Surface ark Surface (A12)	e (A11)	Loamy Gleyed X Depleted Matri	l Matrix (ix (F3)	F2)		Iron-Mar Piedmor	nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B)
Sandy N	lucky Mineral (S1)		Redox Dark S	urface (F	6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149B)
Sandy G	Bleyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	ent Material (F21)
Sandy R	ledox (S5)		Redox Depres	sions (F8	8)		Very Sha	allow Dark Surface (F22)
Stripped	Matrix (S6) rface (S7)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
³ Indicators of	f hydrophytic vegetat	ion and w	etland hydrology m	ust be pr	esent, ur	nless dist	urbed or problematic.	
Restrictive I	Layer (if observed):							
Туре:								
Depth (ir	nches):						Hydric Soil Preser	nt? Yes <u>X</u> No
Remarks: This data for Version 7.0,	m is revised from No 2015 Errata. (http://v	orthcentral	and Northeast Reg usda.gov/Internet/F	jional Su SE_DOC	pplemen CUMENT	t Version S/nrcs14	2.0 to include the NRC 2p2_051293.docx)	CS Field Indicators of Hydric Soils,

Project/Site: Baron	Winds Pr	oject		City/County: Steuber	n County	Sa	mpling Date:	8/2/17
Applicant/Owner:	Everpov	wer Wind Holdings, Ir	nc.		State:	NY	Sampling Point	1U@Wet4D
Investigator(s): RF,	CL			Section, Tov	vnship, Range: ⁻	Town of Wa	ayland	
Landform (hillside, te	errace, etc.	.): Hill Slope	Local	relief (concave, conve	k, none): <u>none</u>		Slope	%: 5
Subregion (LRR or M	/ILRA): <u>L</u>	RR R, MLRA 140	Lat: 42.452427	Long:	-77.557221		Datum:	WGS 84
Soil Map Unit Name:	VoC - V	olusia channery silt l	oam, 8 to 15 percent slo	pes	NWI classif	fication: N	/A	
Are climatic / hydrold	ogic condit	ions on the site typica	al for this time of year?	Yes <u>x</u>	No	(If no, expl	lain in Remarks	s.)
Are Vegetation	, Soil	, or Hydrology	significantly distur	bed? Are "Norm	al Circumstance	es" present	? Yes X	No
Are Vegetation	, Soil	, or Hydrology	naturally problema	atic? (If needed	, explain any an	swers in Re	emarks.)	
SUMMARY OF	FINDING	GS – Attach site	map showing sam	pling point locati	ons, transed	cts, impo	ortant featur	res, etc.

Hydrophytic Vegetation Present?	Yes	No <u>x</u>	Is the Sampled Area within a Wetland? Yes NoX If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No <u>x</u>	
Wetland Hydrology Present?	Yes	No <u>x</u>	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

Wetland Hydrology Indicators:			Secondary Indicators (min	imum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks (E	36)
Surface Water (A1)	Water-Stained Leaves (B9)		Drainage Patterns (B1	0)
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Ta	ble (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)	1
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on A	Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stunted or Stressed P	lants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position	(D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)		Microtopographic Reli	ef (D4)
Sparsely Vegetated Concave Surface (E	38)		FAC-Neutral Test (D5)
Field Observations:				
Surface Water Present? Yes	No x Depth (inches):			
Water Table Present? Yes	No x Depth (inches):			
Saturation Present? Yes	No x Depth (inches):	Wetland	d Hydrology Present?	Yes No x
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspec	ctions), if a	vailable:	
Remarks:				

Sampling Point: 1U@Wet4D

	Absolute	Dominant	Indicator	
<u>Iree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test worksheet:
1. Pinus strobus	45	Yes	FACU	Number of Dominant Species
2. Populus tremuloides	25	Yes	FACU	That Are OBL, FACW, or FAC:3 (A)
 <u>Malus pumila</u> <u>4.</u> 	15	No	UPL	Total Number of Dominant Species Across All Strata: 7 (B)
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 42.9% (A/B)
7.				Prevalence Index worksheet:
	85	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Fraxinus pennsylvanica	20	Yes	FACW	FACW species 20 x 2 = 40
2. Cornus racemosa	20	Yes	FAC	FAC species 35 x 3 = 105
3. Lonicera morrowii	10	Yes	FACU	FACU species 105 x 4 = 420
4.				UPL species 15 x 5 = 75
5.				Column Totals: 175 (A) 640 (B)
6.				Prevalence Index = $B/A = 3.66$
7.				Hydrophytic Vegetation Indicators:
	50	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Solidago canadensis	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Solidago rugosa	15	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Fragaria virginiana	5	No	FACU	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree March sharts 0 in (7.0 err) er mens in
9.				diameter at breast height (DBH), regardless of height.
10.				Oralling (character Marscharden Lange Athen 10 in DDU
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	40	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				
1. <u> </u>				height.
2.				
3.				Hydrophytic
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Depth Marix Redox Features (inches) Color (moist) % Type Loarn//Clayey 0-5 10yr 5/4 100	Profile Desc	cription: (Describe	to the dep	oth needed to doc	ument t	the indica	ator or co	onfirm the absen	ce of indic	ators.)		
(inches) Color (moist) % Type Loc* Texture Remarks 0-5 10yr 5/4 100	Depth	Matrix		Redo	x Featu	res						
0-5 10yr 5/4 100 Leamy/Clayey	(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rema	arks	
Image: Solution of the second seco	0-5	10vr 5/4	100					Loamv/Clavev				
"Type: C=Concent/ration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. "Hydric Soil Indicators: Indicators for Problematic Hydric Soils*: Indicators for Problematic Hydric Soils*: Histic Epipedon (A2) MLRA 149B) Coast Praine Reduc (A10) (LRR K, L) Histic Epipedon (A2) MLRA 149B) Coast Praine Reduc (A10) (LRR K, L) Hydric Soil Indicators: Polyvalue Below Surface (S9) (LRR R, N) S orm Mucky Meneral (F1) (LRR K, L) Stratified Layers (A5) Loamy Glayeed Matrix (F2) Polyvalue Below Surface (S0) (LRR K, L) Thick Dark Surface (A11) Loamy Glayeed Matrix (F2) Polyvalue Below Surface (S0) (LRR K, L) Thick Dark Surface (A11) Loamy Glayeed Matrix (F2) Polemont Floodplain Solic (P10) (MLRA 1498) Sandy Redox (S5) Redox Depressions (F8) Measi Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Redox Depressions (F8) Way Shallow Dark Surface (F2) Shripped Matrix (S4) Depleted Matrix (F2) Piedmont Floodplain Surface (F2) Shripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 8 Hadria (F21) The Case K Surface (S7) 8 No This data Korn is revis												
"Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. "Hydric Soil Indicators: Indicators for Problematic Hydric Soils": Histosol (A1)												
"Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils*: Histic Epideon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S8) (LRR R, MLRA 149B) Straffied Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Matrix (S4) High Chroma Sands (S11) (LRR K, L) Depleted Matrix (S4) Depleted Matrix (F2) Thick Dark Surface (A1) Depleted Matrix (F2) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Gleyer (I observed): Type: Type: Roots, rocky Depleted matrix (F1) Depleted Matrix (S4) Depleted Matrix (S6) Matri (F10) (LRR K, L) Dark Surface (S7) Red Parent Material (F21) Stripped Matrix (S6) Matri (F10) (LRR K, L) Dark Surface (S7) Red Parent Material (F21) Stripped Matrix (S6) Matri (F10) (LRR K, L) Dark Surface (S7) Red Parent Material (F21) Stripped Matrix (S6) Matri (F10) (L												
**Type: C-Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. **Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Histosoil (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 1498) Cocast Prairie Redox (A16) (LRR K, L R8) Histosoil (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 1498) Cocast Prairie Redox (A16) (LRR K, L R8) Biack Histic Ca) Thin Dark Surface (S9) (LRR R, MLRA 1498) S on Mucky Peat or Peat (S3) (LRR K, L, R) Biack Histic (A3) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L, R) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S9) (LRR K, L) Thick Dark Surface (A11) Loamy Gleyed Matrix (F2) Poleted Dark Surface (F19) (MLR A 144A, 145, 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spocio (TA6) (MLR A 144A, 145, 149B) Sandy Redox (S5) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Dark Surface (F8) Very Shallow Dark Surface (F22) Simped Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Gleyed Matrix (S6) Matri (F10) (LR K, L) Other (Explain in Remarks) Dark Surface (S7) Beleted Dark Surface (F22) Other (Explain in Remarks)						·						
"Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains, ?Location: PL=Pore Lining, M=Matrix, "Hydric Soil Indicators: Indicators for Problematic Hydric Soils?; Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A12) Depleted Matrix (F2) Sandy Mucky Mineral (F1) Depleted Matrix (F3) Sandy Mucky Mineral (F1) Depleted Matrix (F3) Stripped Matrix (S4) Depleted Dark Surface (F7) Sandy Mucky Mineral (F1) Redvx Depressions (F8) Stripped Matrix (S6) Mart (F10) (LRR K, L) Dark Surface (S7) Mart (F10) (LRR K, L) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If observed): Type: Type: 8 Point (Inches): 8 Matrix IC (S1) Mark (S61) Dark Surface (S7) Mark (F10) (LRR K, L) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.												
"Type: C-Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils?: Indicators for Problematic Hydric Soils?: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Coast Prainis Redox (A16) (LRR K, L, R) Biack Histis C(A3) Thin Dark Surface (S9) (LRR K, L) Coast Prainis Redox (A16) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L, R) Depleted Below Dark Surface (A17) Loarny Gleyd Matrix (F2) Thino Ark Surface (S9) (LRR K, L, R) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Messes (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spoid: (TA6) (MLRA 144A, 145, 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Dark Surface (F7) Mesic Spoid: (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Metry Surface (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Mart (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) * No												
"Type: C-Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ¹ : Histic Epigedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Phytogen Sulfide (A4) High Chroma Sands (S1) (LRR K, L) Polyealue Below Surface (S9) (LRR K, L, R) Polyvalue Below Surface (S9) (LRR K, L, R) Depleted Below Dark Surface (A11) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A12) Depleted Matrix (F2) Think Dark Surface (A12) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Dark Surface (F8) Stripped Matrix (S4) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Redox Dark Surface (F8) Stripped Matrix (S4) Depleted Dark Surface (F8) Dark Surface (S7) Mad (F10) (LRR K, L) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Remarks: Type: Ty			·			·		-				
Image: Strate of Control of Contrel Control of Control of Control of Control of												
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¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soll Indicators: Indicators for Problematic Hydric Soils ² : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Dark Surface (A11) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A12) Depleted Matrix (F2) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S6) Mart (F10) (LRR K, L) Stripped Matrix (S6) Mart (F10) (LRR K, L) Stripped Matrix (S6) Mart (F10) (LRR K, L) Dark Surface (S7) Redox Depressions (F8) *Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): 8 Type: Roots, rocky Depleted from Northcentral and Northeeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)		· · · · · · · · · · · · · · · · · · ·	·			·						
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soll Indicators: Indicators for Problematic Hydric Soils ² : Histosel (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) S orn Muck yPeat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L, R) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S12) (LRR K, L, R) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S12) (LRR K, L, R) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A 145, 149B) Sandy Micky Mineral (S1) Redox Depressions (F8) Very Shallow Dark Surface (F2) Stripped Matrix (S6) Mart (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) * Redox Depressions (F8) Very Shallow Dark Surface (F2) * Martin (S6) Mart (F10) (LRR K, L) Other (Explain in Remarks) *			·									
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ² : Indicators for Problematic Hydric Soils ² : Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A10) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) S com Muck (A10) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) S com Muck (A10) (LRR K, L, R) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L, R) Thick Dark Surface (A11) Loamy Mucky Mineral (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A11) Deepleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149E Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149E Sandy Gleyed Matrix (S6) Mad (F10) (LRR K, L) Other (Explain in Remarks) Sandy Seleyed Matrix (S6) Mad (F10) (LRR K, L) Other (Explain in Remarks) Type: Roots, rocky Piedmont Floodplain Soile (F22) Stripped Matrix (S6) Mad (F10) (LRR K, L) Other (Explain in Remarks) Depletid (inches): 8 Hydri												
¹ Type: C_Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators: Indicators (Castor): Histos (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, L, RLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S9) (LRR K, L) Thick Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LR K, L, R) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Mari (F10) (LR K, L) Other (Explain in Remarks) "Jardicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Remarks: Type: Roots, rocky Deplet (inches): 8 Depth (inches): 8 Hydri			·									
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ² : Histic Epipedon (A2) MLRA 149B) Biack Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Biack Histic (A3) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (A1) Coast Prairie Redox (A16) (LRR K, L, R) Biack Histic (A3) Thin Dark Surface (S1) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A12) Depleted Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F2) Sandy Mucky Mineral (S1) Red x Dark Surface (F6) Sandy Mecky Mineral (S1) Red X Dark Surface (F7) Sandy Medx (S5) Red A Dark Surface (F2) Stripped Matrix (S6) Mart (F10) (LRR K, L) Dark Surface (S7) Red Zersent Material (F21) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Type: Roots, rocky Deplet form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils												
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix, Hydric Soil Indicators: Indicators for Problematic Hydric Soils ⁵ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Startified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Polyvalue Below Surface (S1) (LRR K, L, R) Depleted Below Dark Surface (A12) Depleted Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B Sandy Redox (S5) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Medox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Matri (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Red form in Remarks) Polytalue Below Dark Surface (F22) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Remarks: Type: Roots, rocky Depleted Si Present? <td></td>												
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ¹ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histosol (A2) Indicators for Problematic Hydric Soils ¹ : Histosol (A1) Polyvalue Below Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) S cm Muck (A10) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L, R) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Redox present, unless disturbed or problematic. Restrictive Layer (If observed): Yers No Type: Roots, rocky Hydric Soil Present? Yes						·						
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Sorm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A12) Depleted Matrix (F2) Trinc Marganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRR K, L48, 149B) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Depleted Ref from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Er			·									
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) 2 cm Muck (A10) (LRR K, L, MLRA 149B) Biack Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L, R) Polyvalue Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B Sandy Medox (S5) Redox Dark Surface (F7) Red Parent Material (F21) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 8 Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) 8 Hydric Soil Present? Yes No Remarks: 8 Hydric Soil Present? Yes	¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	MS=Mas	sked Sand	d Grains.	² Locatio	n: PL=Pore	e Lining, M=M	atrix.	
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (A11) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149E) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 1444, 145, 149E) Sandy Redox (S5) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) # Yes No _ x ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Reastrictive Layer (If observed): Type:	Hydric Soil	Indicators:						Indicato	ors for Pro	blematic Hyd	ric Soils ³ :	
Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Suffide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (MLRA 149E Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B Sandy Gleyed Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Red Dark Surface (F22) Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Remarks: Type: Roots, rocky No _ x Depth (inches): 8 Hydric Soil Present? Yes	Histosol	(A1)		Polyvalue Belo	ow Surfa	ace (S8) (LRR R,	2 cr	n Muck (A1	0) (LRR K, L ,	MLRA 149B)
Black Histic (A3)	Histic Ep	pipedon (A2)		MLRA 1498	8)	. , ,		Coa	st Prairie R	edox (A16) (L	.RR K, L, R)	
Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S3) (LRR K, L) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149E Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 1445, 149B Sandy Redox (S5) Redox Dark Surface (F7) Red Parent Material (F21) Stripped Matrix (S6) Mari (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Restrictive Layer (if observed): Type: Type: Roots, rocky Poepth (inches): 8 Depth (inches): 8 Hydric Soil Present? Yes No x Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx) Soil Soils, Version 7.0, 2015 Errata.	Black Hi	istic (A3)		Thin Dark Sur	, face (S9)) (LRR R	, MLRA	149B) 5 cr	n Mucky Pe	eat or Peat (S	3) (LRR K, L,	R)
Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Iron-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 149E Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Redox, rocky Depth (inches): 8 ************************************	Hvdroge	en Sulfide (A4)		High Chroma	Sands (S	, S11) (LRI	, R K. L)	, Polv	value Belo	w Surface (S8	3) (LRR K. L)	,
Image: Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (F2) Inon-Manganese Masses (F12) (LRR K, L, R) Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (MLRA 1495 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Restrictive Layer (if observed): Type: Type: Roots, rocky Pepth (inches): 8 Depth (inches): 8 No x Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	Stratified	d Lavers (A5)		Loamv Muckv	Mineral	(F1) (LR	R K. L)	Thir	Dark Surfa	ace (S9) (LRR	(K.L)	
Thick Dark Surface (A12) Depleted Matrix (F3) Piedmont Floodplain Solis (F19) (MLRA 1499 Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 1444, 145, 149B Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Restrictive Layer (if observed): Type: Type: Roots, rocky Pethod Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	Depleted	d Below Dark Surface	e (A11)	Loamy Gleved	Matrix	(F2)	, ,	Iron	-Manganes	e Masses (F1	2) (LRR K. L	. R)
Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLRA 144A, 145, 149B Sandy Mucky Mineral (S1) Redox Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface (F22) Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Remarks) Dark Surface (S7) Restrictive Layer (if observed): Type: Type: Roots, rocky Pepth (inches): 8 Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	Thick Da	ark Surface (A12)	• (/)	Depleted Matr	ix (F3)	()		Pier	Imont Floor	dolain Soils (F	19) (MI RA 1	49R
	Sandy M	/ucky Mineral (S1)		Redox Dark S	urface (F	F6)		Mes	sic Spodic (TA6) (MI RA 1	144A 145 14	19B)
	Candy f	Gleved Matrix (S4)		Neoleted Dark	Surface	- (F7)		Red	l Parent Ma	terial (F21)		
	Candy B	Pedox (S5)		Bedox Depres	sions (F			Ven	v Shallow F)ark Surface (I	=22)	
	Oandy N	Matrix (S6)		Marl (E10) (LB		0)			or (Evolain	in Remarks)	22)	
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Roots, rocky Depth (inches): 8 Hydric Soil Present? Yes No x Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	Onpped	rface (S7)			((((((((((((((((((((in Remarks)		
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Roots, rocky Depth (inches): 8 Hydric Soil Present? Yes No x Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)												
Restrictive Layer (if observed): Roots, rocky Depth (inches): 8 Hydric Soil Present? Yes No x Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	³ Indicators o	f hydrophytic vogeter	tion and w	etland bydrology m	ust ha n	recent	alose dict	urbed or problem	atic			
Type: Roots, rocky Depth (inches): 8 Hydric Soil Present? Yes Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	Postrictivo			chang nyurulogy III	usi ne h	ieseni, ui	11033 (1151					
Type. Itoots, rocky Depth (inches): 8 Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	Type		rocky									
Depth (inches): 8 Hydric Soil Present? Yes No x Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx) Version 7.0, 2015 Errata.	Type.		ТОСКУ									
Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	Depth (ii	nches):	8					Hydric Soil Pr	esent?	Yes	<u>No x</u>	
This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	Remarks:											
Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	This data for	rm is revised from No	orthcentral	and Northeast Reg	jional Su	upplemen	t Version	2.0 to include the	NRCS Fiel	d Indicators o	f Hydric Soils	5,
	Version 7.0,	2015 Errata. (http://v	www.nrcs.u	usda.gov/Internet/F	SE_DO	CUMENT	S/nrcs14	2p2_051293.docx)			

Observer:						Project Inf	ormation:	
Name:	RF+SZ	-				Name: Barc	on Wind Project	
Weather:	50° F, Sur	ıny	-			Number:_	13039 Date:	5/9/2017
Stream Na	me:	Stream 4D						
Stream Locatio	n (nearest :	road, structu	re, etc.) :	West of New	Galen Rd, un	der existing trans	smission line	
Adjacent Comr	nunity:	Upland dec	riduous for	est and mair	ntained lawn.			
Stream Gradier	nt - gentle - mode - steep	erate	X	- - -				
Bank Width:	10'	_						
Stream Width:	1-2'	_						
Water Depth:	2-6"	-						
Substrate: - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	X X X X X						
Instream Cover	r: - Unde - Over - Logs - Deep - Othe	rcut bank hanging veg /woody deb o pools rr	getation pris	<u>X</u>				
Flow: - Perm - Inter	nanent rmittent	X						
Photo # Flag #'s	Stream 4I	0						
Additional Cor	nments: _	Stream flow	vs north an	nd appeared	to be confined	by a man-made	<u>berm</u>	
			. <u> </u>					

Environmental Design & Research

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 5/9/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet 4E
Investigator(s): RF, SZ	Section, Township, Range: Town of Wayland
Landform (hillside, terrace, etc.): Hillslope Low	cal relief (concave, convex, none): Concave Slope %: 2-5
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.456094	Long: -77.561943 Datum: WGS 84
Soil Map Unit Name: FrB - Fremont Silt Loam, 2 to 8 percent slopes	NWI classification: PFO / PEM
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 Hydrologysignificantly dis	sturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally proble	ematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	ampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	X	No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland 4E
Hydric Soil Present?	Yes	X	No	
Wetland Hydrology Present?	Yes	X	No	
Remarks: (Explain alternative procedures	here or i	in a se	eparate report.)	

Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is	required; check all that apply	()	Surface Soil Cracks (B6)
X Surface Water (A1)	Water-Stained Le	eaves (B9)	Drainage Patterns (B10)
X High Water Table (A2)	Aquatic Fauna (E	313)	Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B	15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide	e Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizosp	oheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Red	uced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Redu	uction in Tilled Soils (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface	ce (C7)	X Shallow Aquitard (D3)
Inundation Visible on Aerial Image	ery (B7) Other (Explain in	Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Sur	ace (B8)		X FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes	No Depth (i	nches): 4	
Water Table Present? Yes	No Depth (i	nches): 2	
Saturation Present? Yes	No Depth (i	nches): 0 Wetla	nd Hydrology Present? Yes X No
Saturation Present? Yes > (includes capillary fringe)	No Depth (i	nches): 0 Wetla	nd Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge	e, monitoring well, aerial pho	tos, previous inspections), it	nd Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge	No Depth (i	tos, previous inspections), it	nd Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gaug	. No Depth (i	inches): 0 Wetla	nd Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge Remarks:	. No Depth (i	inches): 0 Wetla	nd Hydrology Present? Yes X No
Saturation Present? Yes Xes (includes capillary fringe)	ge, monitoring well, aerial pho	inches): 0 Wetla	nd Hydrology Present? Yes X No
Saturation Present? Yes Xes (includes capillary fringe)	No Depth (i	inches): 0 Wetla	nd Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gaug Remarks:	. No Depth (i	inches): 0 Wetla	nd Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge Remarks:	. No Depth (i	inches): 0 Wetla	nd Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe)	ge, monitoring well, aerial pho	inches): 0 Wetla	nd Hydrology Present? Yes X No f available:
Saturation Present? Yes (includes capillary fringe)	k No Depth (i	inches): 0 Wetla	nd Hydrology Present? Yes X No
Saturation Present? Yes (includes capillary fringe)	kNoDepth (i	inches): 0 Wetla	nd Hydrology Present? Yes X No
Saturation Present? Yes Xes (includes capillary fringe) Describe Recorded Data (stream gauge) Remarks:	ge, monitoring well, aerial pho	inches): 0 Wetla	nd Hydrology Present? Yes X No f available:

Sampling Point: <u>1W @ Wet 4E</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator	Dominance Test worksheet
1 Acer rubrum	50	Yes	FAC	Dominance rest worksheet.
2. Betula alleghaniensis	10	No	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
3.				()
4.				Species Across All Strata: 4 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
	60	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Spiraea alba	15	Yes	FACW	FACW species 50 x 2 = 100
2				FAC species 80 x 3 = 240
3				FACU species 0 x 4 = 0
4				UPL species x 5 =
5				Column Totals: 130 (A) 340 (B)
6				Prevalence Index = B/A = 2.62
7				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Osmunda cinnamomea	30	Yes	FACW	X_3 - Prevalence Index is ≤3.0 ¹
2. Osmunda claytoniana	20	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Carex sp.	5	No	FACW	data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sanling/shrub – Woody plants less than 3 in DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	55	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Profile Desc	cription: (Describe	to the dep	pth needed to docu	iment t	he indica	tor or c	onfirm the absence	of indicators.)
Depth	Matrix		Redox	<pre>< Featur</pre>	res			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 2/1	100					Mucky Loam/Clay	
010	1011(2/1	100					Macky Loam/Olay	
		·						
		·						
		·						
. <u> </u>		·						
¹ Type: C=C	oncentration, D=Dep	letion, RM	I=Reduced Matrix, N	IS=Mas	ked Sand	Grains.	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators	for Problematic Hydric Soils ³ :
X Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm N	/luck (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B))			Coast	Prairie Redox (A16) (LRR K, L, R)
Black Hi	istic (A3)		Thin Dark Surfa	ace (S9)) (LRR R	, MLRA	149B) 5 cm N	/lucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyva	lue Below Surface (S8) (LRR K, L)
Stratified	d Layers (A5)		Loamy Mucky	Vineral	(F1) (LRI	R K, L)	Thin Da	ark Surface (S9) (LRR K, L)
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix ((F2)		Iron-Ma	anganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matrix	k (F3)			Piedmo	ont Floodplain Soils (F19) (MLRA 149B)
Sandy M	/lucky Mineral (S1)		Redox Dark Su	rface (F	-6)		Mesic	Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy G	Gleyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pa	arent Material (F21)
Sandy R	Redox (S5)		Redox Depress	sions (F	8)		Very S	hallow Dark Surface (F22)
Stripped	I Matrix (S6)		Marl (F10) (LR	R K, L)			Other ((Explain in Remarks)
Dark Su	rface (S7)							
³ Indicators o	f hydrophytic vegeta	tion and w	etland hydrology mu	ıst be pı	resent, ur	nless dis	turbed or problematic	
Restrictive	Layer (if observed):	i.						
Туре:	Roo	ck						
Depth (ir	nches):	16					Hydric Soil Pres	ent? Yes X No
Romarks:								
This data for	rm is revised from No	orthcentral	and Northeast Regi	onal Su	nemelaa	Versior	2.0 to include the NF	RCS Field Indicators of Hydric Soils.
Version 7.0,	2015 Errata. (http://v	www.nrcs.	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	····,
1								

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 5/9/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1U@ Wet 4E
Investigator(s): RF, SZ	Section, Township, Range: Town of Wayland
Landform (hillside, terrace, etc.): hillslope Loc	al relief (concave, convex, none): <u>convex</u> Slope %: <u>2-4</u>
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.456091	Long:77.561776 Datum: WGS 84
Soil Map Unit Name: FrB - Fremont silt loam, 2 to 8 percent slopes	NWI classification: N/A
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 Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	matic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (mir	nimum of two required)	
Primary Indicators (minimum of one	Surface Soil Cracks (B6)			
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B	10)	
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16	6)
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Ta	able (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Liv	ing Roots (C3)	Saturation Visible on	Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4	4)	Stunted or Stressed F	Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tille	d Soils (C6)	Geomorphic Position	(D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3))
Inundation Visible on Aerial Ima	agery (B7) Other (Explain in Remarks)		Microtopographic Reli	ief (D4)
Sparsely Vegetated Concave S	Surface (B8)		FAC-Neutral Test (D5	5)
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes	No X Depth (inches):			
Saturation Present? Yes	No X Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X
(includes capillary fringe)				
Describe Recorded Data (stream ga	auge, monitoring well, aerial photos, previous	inspections), if	available:	
Remarks:				

Sampling Point: 1U@ Wet 4E

Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1. Fagus grandifolia	40	Yes	FACU	Number of Dominant Species
2. Acer rubrum	30	Yes	FAC	That Are OBL, FACW, or FAC:(A)
3 4				Total Number of Dominant Species Across All Strata:4(B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)
7				Prevalence Index worksheet:
	70	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Rhamnus cathartica	10	Yes	FAC	FACW species 0 x 2 = 0
2				FAC species 40 x 3 = 120
3				FACU species 60 x 4 = 240
4				UPL species 0 x 5 = 0
5				Column Totals: 100 (A) 360 (B)
6				Prevalence Index = B/A =3.60
7				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Botrychium virginianum	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2.				4 - Morphological Adaptations ¹ (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
89.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
12.				
	20	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2				Hudronhutio
3				Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a sep	arate sheet.)			

Profile Desc	cription: (Describe	to the de	pth needed to docu	ument t	he indica	tor or co	onfirm the absence of indi	cators.)	
Depth	Matrix		Redo	x Featur		. 2		_	
(inches)	Color (moist)	%	Color (moist)	%	Type ⁻	Loc	lexture	Rema	arks
0-4	10YR 2/1	100					Peat	loose ar	nd dry
						·			
¹ Type: C=C	oncentration, D=Depl	letion, RN	Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	² Location: PL=Po	re Lining, M=M	atrix.
Hydric Soil	Indicators:	· ·					Indicators for Pro	blematic Hyd	ric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck (A	10) (LRR K, L,	MLRA 149B)
Histic Er	oipedon (A2))	(/(,	Coast Prairie	Redox (A16) (L	RR K. L. R)
Black Hi	istic (A3)		Thin Dark Surf	, ace (S9		MI RA 1	49B) 5 cm Mucky P	eat or Peat (S3	$(\mathbf{I} \mathbf{R} \mathbf{R} \mathbf{K}_{1} \mathbf{I}_{2} \mathbf{R})$
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	S11) (I RE	2 K I)	Polyvalue Bel	w Surface (S8	
Stratified	d Lavers (A5)		Loamy Mucky	Minoral	(E1) (LRI	, , ,	Thin Dark Sur	face (SQ) (I PP	
Oraline	d Bolow Dark Surface	(A11)	Loamy Gloved	Motrix ((I I) (EIXI (E2)	、 	Iron Mangano		
	a Below Dark Surface	= (ATT)	Loany Gleyeu	Wath (12)			se Masses (FT	10) (MI DA 1400)
	Arrahy Mineral (C4)			х (го)	-0)				19) (WILKA 1490)
Sandy N	Nucky Mineral (S1)		Redox Dark St	urface (F	-6)			(1A6) (MLRA 1	144A, 145, 149B)
Sandy G	Bleyed Matrix (S4)		Depleted Dark	Surface	e (⊢7)		Red Parent M	aterial (F21)	
Sandy R	Redox (S5)		Redox Depres	sions (F	8)		Very Shallow	Dark Surface (H	-22)
Stripped	l Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain	in Remarks)	
Dark Su	rface (S7)								
³ Indicators o	f hydrophytic vegetat	ion and w	etland hydrology mu	ust be pi	resent, ur	nless dist	urbed or problematic.		
Restrictive	Layer (if observed):								
Type:	roots an	d rock							
Depth (ii	nches):	4					Hydric Soil Present?	Yes	No x
Dementer	·								
Remarks:	un in un die elfun en Nie		and North cost Dow	in al Cu			0.0 to include the NDCC Fi		(Libudaia Caila
Version 7.0	2015 Errata (http://w		usda gov/Internet/F	SE DOC	приетен	S/nrcs14	2.0 to include the NRCS Fill	ela maicators o	i Hydric Solis,
version 7.0,		www.mcs.				0/11/03142	2p2_001290.000x)		

Observer:						Project Info	ormation:	
Weather:	70° F, ove	ercast				Number:_	13039 Date:	5/9/2017
Stream Na	me:	Stream 4F	_					
Stream Locatio	on (nearest	road, structu	ıre, etc.) :	East of Route	21 and We	tland 3Z		
Adjacent Com	munity:	Upland de	ciduous		_			
Stream Gradie	nt - gentle - mode - steep	erate	X					
Bank Width:	4-15'	-						
Stream Width:	2-12'	_						
Water Depth:	0-2"	-						
Substrate: - - - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	X X X X X	- - - -					
Instream Cove	r: - Unde - Ove - Log - Deej - Othe	ercut bank rhanging ve s/woody de o pools er	getation oris	<u>X</u> <u>X</u>				
Flow: - Perr - Inte	nanent rmittent	<u>X</u>	-					
Photo # Flag #'s	Stream 4	3						
Additional Co	mments: _	<u>Stream flow</u>	ws west and	l likely drains in	nto Stream 3	Z further north		

Environmental Design & Research

Project/Site: Baron Winds Project	ct	Ci	ty/County: Steuben County	Sampling Date: 5/10/2017
Applicant/Owner: Everpower	Wind Holdings, Inc.		State: NY	Sampling Point: 1W @ Wet 4H
Investigator(s): RF, SZ			Section, Township, Range: <u>Town of</u>	Fremont
Landform (hillside, terrace, etc.):	hillside	Local relie	ef (concave, convex, none): <u>concave</u>	Slope %: 10
Subregion (LRR or MLRA): LRR	R, MLRA 140 Lat:	42.454229	Long: <u>-77.557759</u>	Datum: WGS 84
Soil Map Unit Name: VoC - Volus	sia channery silt loam,	8 to 15 percent slopes	NWI classification:	PSS
Are climatic / hydrologic conditions	s 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" pres	ent? Yes X No
Are Vegetation, Soil	, or Hydrology	naturally problematic?	? (If needed, explain any answers ir	n Remarks.)
SUMMARY OF FINDINGS	 Attach site map 	o showing sampli	ng point locations, transects, im	portant features, etc.
Hydrophytic Vegetation Present?	Yes <u>X</u>	No	Is the Sampled Area	
Hydric Soil Present?	Yes X	No	within a Wetland? Yes X	No

Hydric Soil Present?	Yes	Х	No	within a Wetland? Yes X No
Wetland Hydrology Present?	Yes	Х	No	If yes, optional Wetland Site ID: Wetland 4H
Remarks: (Explain alternative procedures SUCCESSIONAL AREA MAINTAINED UN	nere or DER E	in a se KISTIN	eparate report.) NG TRANSMISSIC	N LINE.

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)						
X Surface Water (A1)	Water-Stained Leaves (B9)	X Drainage Patterns (B10)					
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)					
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)					
Sediment Deposits (B2)	X Oxidized Rhizospheres on Living Ro	ots (C3) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	Geomorphic Position (D2)					
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Microtopographic Relief (D4)					
Sparsely Vegetated Concave Surface (B	8)	X FAC-Neutral Test (D5)					
Field Observations:							
Surface Water Present? Yes X	No Depth (inches):1						
Water Table Present? Yes X	No Depth (inches): 1						
Saturation Present? Yes X	No Depth (inches): 0	Wetland Hydrology Present? Yes X No					
(includes capillary fringe)							
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe-	ctions), if available:					
Remarks:							

Sampling Point: <u>1W @ Wet 4H</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.				Number of Dominant Species
2.				That Are OBL, FACW, or FAC:4 (A)
3				Total Number of Dominant
4				Species Across All Strata: (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Cornus sericia	50	Yes	FACW	FACW species <u>170</u> x 2 = <u>340</u>
2. Cornus amomum		Yes	FACW	FAC species 15 x 3 = 45
3. Spiraea alba	15	No	FACW	FACU species <u>0</u> x 4 = <u>0</u>
4. Cornus racemosa	15	No	FAC	UPL species $0 \times 5 = 0$
5	. <u> </u>			Column Totals: <u>185</u> (A) <u>385</u> (B)
6				Prevalence Index = B/A = 2.08
7				Hydrophytic Vegetation Indicators:
	130	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Mentha arvensis	35	Yes	FACW	X_3 - Prevalence Index is ≤3.0 ¹
2. Phalaris arundinacea	15	Yes	FACW	4 - Morphological Adaptations' (Provide supporting
3. Carex sp.	5	No	FACW	
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9	. <u> </u>			diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	55	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				Hydrophytic
3				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separate	rate sheet.)			

SOIL	
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Profile Desc	cription: (Describe	to the dep	oth needed to docu	ument th	ne indica	tor or co	onfirm the absence o	of indicators.)			
Depth	Matrix		Redo	x Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type	Loc ²	Texture	Remarks			
0-4	10YR 2/2	95	7.5YR 5/6	5	С	Μ	Loamy/Clayey	Prominent redox concentrations			
4-16	10YR 2/2	30	7.5YR 5/6	15	С	Μ	Loamy/Clayey	Prominent redox concentrations			
	10YR 5/1	40	7.5YR 5/6	15	С	Μ		Prominent redox concentrations			
		—									
		_			_	_					
				<u> </u>							
¹ Type: C=C	oncentration. D=Depl	etion. RM	=Reduced Matrix. N	//S=Masl	ked Sand	Grains.	² Location: P	 PL=Pore Lining, M=Matrix,			
Hydric Soil	Indicators:		,				Indicators f	or Problematic Hydric Soils ³ :			
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (I	_RR R,	2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)			
Histic Ep	pipedon (A2)		MLRA 149B	5)			Coast P	rairie Redox (A16) (LRR K, L, R)			
Black Hi	istic (A3)		Thin Dark Surf	ace (S9)	(LRR R	MLRA	149B) 5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)			
Hvdroge	en Sulfide (A4)		High Chroma S	, Sands (S	(LRF	R K. L)	, Polvvalu	le Below Surface (S8) (LRR K. L)			
Stratified	d Lavers (A5)		Loamy Mucky	Mineral	(F1) (I RI	R K. I.)	Thin Dark Surface (S0) (I PR K I)				
Oanleter	d Below Dark Surface	(411)	Loamy Gleved	Matrix ((' ') (E iti E2)	(Π, Ε)	Iron-Mar	$M_{\text{condoc}}(\mathbf{C}, \mathbf{C}) = (\mathbf{L}, \mathbf{L}, \mathbf{L})$			
		; (ATT)	LOality Gleyeu	ויומנווג (ו אי (בס)	(2)			$\frac{1}{2} = \frac{1}{2} = \frac{1}$			
	ark Surface (A12)		Depleted Math	IX (F3)			Pleamor				
				unace (F	6) (FT)			podic (1A6) (MLRA 144A, 145, 149B)			
Sandy G	Sleyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Material (F21)				
Sandy R	Redox (S5)		Redox Depres	sions (F8	3)		Very Shallow Dark Surface (F22)				
Stripped	I Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in Remarks)				
Dark Su	rface (S7)										
³ Indicators o	f hydrophytic vegetat	ion and w	etland hydrology mu	ust be pr	esent, ur	less dist	urbed or problematic.				
Restrictive	Layer (if observed):										
Depth (ii	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No			
Remarks:											
This data for Version 7.0,	rm is revised from No 2015 Errata. (http://w	rthcentral /ww.nrcs.u	and Northeast Reg usda.gov/Internet/F3	ional Su SE_DOC	pplement CUMENT	Version S/nrcs14	2.0 to include the NR 2p2_051293.docx)	CS Field Indicators of Hydric Soils,			

Project/Site: E	Baron Winds	Project			City/County: Steub	en County	Sa	ampling Date:	5/10/2017
Applicant/Owne	er: Everp	oower Wind Holdings, I	nc.			State:	NY	Sampling Poir	It: 1U @ Wet 4H
Investigator(s):	RF, SZ				Section, To	wnship, Range:	Town of Wa	ayland	
Landform (hillsig	de, terrace, e	etc.): Hillslope		Local r	elief (concave, conv	ex, none): <u>none</u>		Slop	e %: <u>5-10</u>
Subregion (LRR	R or MLRA):	LRR R, MLRA 140	Lat: 4	2.454297	Long	-77.557816		Datum:	WGS 84
Soil Map Unit N	ame: VoC	- Volusia channery silt	oam, 8 t	to 15 percent slop	es	NWI class	ification: N	/A	
Are climatic / hy	/drologic con	ditions on the site typic	al for thi	is time of year?	Yes <u>X</u>	No	(If no, exp	lain in Remarl	(s.)
Are Vegetation	, Soil	, or Hydrology	s	ignificantly disturb	ed? Are "Nor	mal Circumstanc	es" present	? Yes X	No
Are Vegetation	, Soil	, or Hydrology	n	aturally problemat	tic? (If neede	d, explain any ar	nswers in Re	emarks.)	
SUMMARY		NGS – Attach site	map s	showing samp	oling point loca	tions, transe	cts, impo	ortant featu	ires, etc.

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	ures here or in a	separate report.)	

Wetland Hydrology Indica	tors:				Secondary Indicators (min	imum of two required)
Primary Indicators (minimur	n of one is require	Surface Soil Cracks (I	B6)			
Surface Water (A1)		Drainage Patterns (B	Drainage Patterns (B10)			
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16	5)
Saturation (A3)		Marl De	eposits (B15)		Dry-Season Water Ta	ble (C2)
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8))
Sediment Deposits (B2))	Oxidize	ed Rhizospheres on Living F	Roots (C3)	Saturation Visible on	Aerial Imagery (C9)
Drift Deposits (B3)		Presen	ce of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled So	ils (C6)	Geomorphic Position	(D2)
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on A	erial Imagery (B7) Other (Explain in Remarks)		Microtopographic Reli	ef (D4)
Sparsely Vegetated Co	ncave Surface (B	(8)			FAC-Neutral Test (D5)
Field Observations:						
Surface Water Present?	Yes	No X	Depth (inches):			
Water Table Present?	Yes	No X	Depth (inches):			
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	nd Hydrology Present?	Yes No X
(includes capillary fringe)						
Describe Recorded Data (st	iream gauge, mor	nitoring well,	aerial photos, previous insp	ections), if	available:	
Remarks:						

Sampling Point: 1U @ Wet 4H

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.				
2.				That Are OBL, FACW, or FAC: 2 (A)
3.				Total Number of Dominant
4.				Species Across All Strata: 5 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 40.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of:Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
1. Cornus racemosa	15	Yes	FAC	FACW species <u>10</u> x 2 = <u>20</u>
2. Elaeagnus angustifolia	15	Yes	FACU	FAC species <u>15</u> x 3 = <u>45</u>
3. <u>Rosa multiflora</u>	5	No	FACU	FACU species60 x 4 =240
4				UPL species x 5 =
5				Column Totals: 85 (A) 305 (B)
6				Prevalence Index = B/A =3.59
7				Hydrophytic Vegetation Indicators:
	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. <u>Galium aparine</u>	25	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Plantago lanceolata	10	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. <u>Carex sp.</u>	10	Yes	FACW	data in Remarks or on a separate sheet)
4. Taraxacum officinale	5	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sanling/shrub – Woody plants less than 3 in, DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All berbaceous (non-woody) plants, regardless
	50	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3 28 ft in
1				height.
2.				
3				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Depth	Matrix		Redc	x Featur	es			-			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remark	S		
0-12	10YR 3/2	100					Loamy/Clayey				
12-14	10YR 5/3	40	7.5YR 4/6	10	С	М	Loamy/Clayey	Prominent redox co	ncentrations		
	10YR 3/2	50									
		·									
		·									
		·									
Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	MS=Mas	ked Sand	d Grains.	² Location: PL	-=Pore Lining, M=Matr	iX. Soile ³ :		
Histosol	(A1)		Polvvalue Belo	ow Surfa	ce (S8) (LRR R.	2 cm Muc	r Froblematic Hydric sk (A10) (LRR K. L. M	LRA 149B)		
Histic Er	pipedon (A2)		MLRA 149E	3)		,	Coast Pra	airie Redox (A16) (LRF	R K. L. R)		
Black Hi	istic (A3)		Thin Dark Sur	, face (S9)) (LRR R	, MLRA 1	149B) 5 cm Muc	cky Peat or Peat (S3) ((LRR K, L, R)		
Hydroge	en Sulfide (A4)		High Chroma	Sands (S	, , 611) (LRI	, R K, L)	Polyvalue Below Surface (S8) (LRR K. L)				
Stratified	d Lavers (A5)		Loamy Mucky	Mineral	(F1) (LR I	R K, L)	 Thin Dark	Surface (S9) (LRR K	, L)		
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	l Matrix (F2)	. ,	Iron-Mang	ganese Masses (F12)	(LRR K, L, R)		
Thick Da	ark Surface (A12)		Depleted Matr	ix (F3)			Piedmont	Floodplain Soils (F19) (MLRA 149B		
Sandy N	/lucky Mineral (S1)		Redox Dark S	urface (F	6)		Mesic Sp	odic (TA6) (MLRA 14 4	IA, 145, 149B)		
Sandy G	Gleyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pare	ent Material (F21)			
Sandy R	Redox (S5)		Redox Depres	sions (Fa	8)		Very Sha	llow Dark Surface (F22	2)		
Stripped	Matrix (S6)		Marl (F10) (LF	RRK,L)			Other (Explain in Remarks)				
Dark Su	rface (S7)										
3 la di antono a	f huden hudin un notes	tion and					under all an employees at a				
Restrictive	l aver (if observed):	tion and w	etiand hydrology m	ust be pr	resent, ur	ness alst	urbed or problematic.				
Type:											
Depth (ii	nches):						Hydric Soil Present	t? Yes	No X		
Remarks:											
This data for	rm is revised from No	orthcentral	and Northeast Reg	jional Su	pplemen	t Version	2.0 to include the NRC	S Field Indicators of H	lydric Soils,		
Version 7.0,	2015 Errata. (http://v	www.nrcs.u	usda.gov/Internet/F	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)				

Project/Site: Baron	City/County: Steuben County					Sampling Date:	5/10/2017				
Applicant/Owner:	Everpower \	Vind Holdings, Inc).					State:	NY	Sampling Poi	nt: <u>1W @ Wet 4L</u>
Investigator(s): RF, S	SZ				Section	on, To	wnship, R	ange: T	own of	Cohocton	
Landform (hillside, ter	race, etc.):	terrace		Local re	elief (concave,	conve	ex, none):	concav	е	Slo	be %: <u>10-15</u>
Subregion (LRR or MI	LRA): LRR	R, MLRA 140	Lat:	42.440304		Long:	-77.533	193		Datum:	WGS 84
Soil Map Unit Name:	OC - Ochrep	ots and Orthents					NW	I classifi	cation:	PEM	
Are climatic / hydrolog	gic conditions	on the site typical	for	this time of year?	Yes	X	No		(If no, e	explain in Remar	ks.)
Are Vegetation	Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X						No				
Are Vegetation	, Soil	, or Hydrology		naturally problemat	atic? (If needed, explain any answers in Remarks.)						
SUMMARY OF F	INDINGS -	- Attach site n	nap	showing samp	ling point	locat	ions, tr	ansec	ts, im	portant feat	ures, etc.
Hydrophytic Vegetat	ion Present?	Yes	х	No	Is the Samp	led A	rea				
Hydric Soil Present?		Yes	Х	No	within a We	tland	?	Yes	Х	No	
Wetland Hydrology F	Present?	Yes	Х	No	If yes, option	nal We	etland Site	e ID: <u>V</u>	Vetland	4L	
Remarks: (Explain a Underneath transmis	Iternative pro sion line. Hil	cedures here or ir Iside seep fed we	n a s tlanc	eparate report.) I							

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)	
X Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	bots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6) Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	X Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B	8)	X FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes X	No Depth (inches): 5	
Water Table Present? Yes X	No Depth (inches): 3	
Saturation Present? Yes X	No Depth (inches): 0	Wetland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe-	ections), if available:
Remarks:		

Sampling Point: 1W @ Wet 4L

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1,				Number of Dominant Species
2.				That Are OBL, FACW, or FAC:5 (A)
3				Total Number of Dominant Species Across All Strata: <u>5</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species <u>65</u> x 1 = <u>65</u>
1. Carpinus caroliniana	5	Yes	FAC	FACW species 45 x 2 = 90
2. Cornus amomum	5	Yes	FACW	FAC species 10 x 3 = 30
3. Acer rubrum	5	Yes	FAC	FACU species x 4 =
4				UPL species 0 x 5 = 0
5				Column Totals: 120 (A) 185 (B)
6				Prevalence Index = B/A = 1.54
7				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Scirpus cyperinus	65	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^1$
2. Eupatorium perfoliatum	25	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Mentha arvensis	10	No	FACW	data in Remarks or on a separate sheet)
4 Rubus hispidus	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5				
6				¹ Indicators of hydric soil and wetland hydrology must
7				Definitions of Vogetation Strate:
/				Definitions of vegetation Strata.
o 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	105	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4				Vegetation Present? Yes X No
		=Total Cover		
Pomarka: (Include photo numbers here or on a sona	rate cheet)			
	,			

SOIL

Profile Desc	cription: (Describe t	o the de	epth needed to docu	ument t	he indica	tor or co	onfirm the absence o	f indicators.)		
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-3	10YR 3/2	95	7.5YR 4/6	5	С	М	Loamy/Clayey	Prominent redox concentrations		
3-8	10YR 4/1	75	7.5YR 5/6	25	С	М	Loamy/Clayey	Prominent redox concentrations		
							· ·			
¹ Type: C=C	oncentration, D=Depl	etion, RM	/	1S=Mas	ked Sanc	Grains.	² Location: P	PL=Pore Lining, M=Matrix.		
Hydric Soil	Indicators:	,					Indicators for	or Problematic Hydric Soils ³ :		
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	_RR R,	2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)		
Histic E	oipedon (A2)		MLRA 149B)			Coast P	rairie Redox (A16) (LRR K, L, R)		
Black Hi	istic (A3)		Thin Dark Surf	ace (S9)) (LRR R	MLRA 1	149B) 5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)		
Hydroge	en Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalu	ie Below Surface (S8) (LRR K, L)		
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dai	rk Surface (S9) (LRR K, L)		
	d Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Mar	nganese Masses (F12) (LRR K, L, R)		
	ark Surface (A12)		X Depleted Matri	x (⊦3)				nt Floodplain Soils (F19) (MLRA 149B)		
Sandy N	Aucky Mineral (S1)		Redox Dark Su	Irface (F	-6)			podic (1A6) (MLRA 144A, 145, 149B)		
Sandy G	Bleyed Matrix (S4)		Depleted Dark	Surface	e (⊢7)		Red Par	ent Material (F21)		
Sandy F	(edox (S5)		Redox Depress	sions (F	8)		Very Shallow Dark Surface (F22)			
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)		
Dark Su	rface (S7)									
³ Indicators o	f hydrophytic vegetati	on and v	vetland hydrology mu	ıst be pı	esent, ur	less dist	urbed or problematic.			
Restrictive	Layer (if observed):			·			·			
Туре:	Roc	k								
Depth (i	nches):	8					Hydric Soil Preser	nt? Yes <u>X</u> No		
Remarks:										
This data for	m is revised from No	rthcentra	I and Northeast Regi	ional Su	pplement	Version	2.0 to include the NR	CS Field Indicators of Hydric Soils,		
version 7.0,	2015 Errata. (http://w	ww.nrcs	.usda.gov/internet/Ft	SE_DOU	JUMENT	5/nrcs14	2p2_051293.docx)			

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 5/10/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet 4L
Investigator(s): RF, SZ	Section, Township, Range: Town of Cohocton
Landform (hillside, terrace, etc.): hillslope Loca	al relief (concave, convex, none): none Slope %: 25-35
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.450541	Long: -77.556716 Datum: WGS 84
Soil Map Unit Name: LRF - Lordstown-Arnot association, very steep	NWI classification: N/A
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 Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu Under existing transmission line	ires here or in a	separate report.)	

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

Sampling Point: 1U @ Wet 4L

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
Acer saccharum 2.	20	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)				
3 4				Total Number of Dominant Species Across All Strata: <u>4</u> (B)				
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)				
7				Prevalence Index worksheet:				
	20	=Total Cover		Total % Cover of: Multiply by:				
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =				
1. Acer saccharum	15	Yes	FACU	FACW species 0 x 2 = 0				
2.				FAC species 0 x 3 = 0				
3				FACU species x 4 = 440				
4.	<u> </u>			UPL species25 x 5 =125				
5.		, <u> </u>		Column Totals: 135 (A) 565 (B)				
6.		,		Prevalence Index = $B/A = 4.19$				
7.				Hvdrophytic Vegetation Indicators:				
· · · · · · · · · · · · · · · · · · ·	15	-Total Cover		1 - Rapid Test for Hydrophytic Vegetation				
Herb Stratum (Plot size: 5)		,		2 - Dominance Test is >50%				
1 Destulis glomorata	60	Voc	EACU	$\frac{2}{3}$ Provolonce Index is <3.0 ¹				
		<u> </u>		3 - Prevalence index is > 3.0				
2. Daucus carota	25	, res		data in Remarks or on a separate sheet)				
3. Fragaria virginiana	10	<u>No</u>	FACU					
4. Taraxacum officinale	5	No	FACU	Problematic Hydrophytic Vegetation (Explain)				
5				¹ Indicators of hydric soil and wetland hydrology must				
6				be present, unless disturbed or problematic.				
7				Definitions of Vegetation Strata:				
8				Tree – Woody plants 3 in. (7.6 cm) or more in				
9				diameter at breast height (DBH), regardless of height.				
10				Serling/shrub Woody plants less than 3 in DBH				
11.		, <u> </u>		and greater than or equal to 3.28 ft (1 m) tall.				
12.		,						
	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.				
Woody Vine Stratum (Plot size: 30)		r		All used where a reactor than 2.29 ft in				
1				woody vines – All woody vines greater than 3.20 it in height.				
2				- Horgen.				
2				Hydrophytic				
				Vegetation				
4		T-t-L Cover						
		= I otal Cover						
Remarks: (Include photo numbers here or on a sepa	rate sheet.)							

Profile Desc	ription: (Describe	to the de	oth needed to docu	ument t	he indica	tor or co	onfirm the absence of inc	licators.)
Depth	pth Matrix Redox Features							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 3/2	100					Loamv/Clavev	
<u> </u>								
			,					
¹ Type: C=Co	ncentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Mas	ked Sanc	Grains.	² Location: PL=P	ore Lining, M=Matrix.
Hydric Soil I	ndicators:				(- -) (Indicators for P	roblematic Hydric Soils ³ :
Histosol ((A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast Prairie	Redox (A16) (LRR K, L, R)
Black His	stic (A3)		I hin Dark Surf	ace (S9		, MLRA 1	49B) 5 cm Mucky	Peat or Peat (S3) (LRR K, L, R)
Hydroger			High Chroma	Sands (S	511) (LRF	(K,L)	Polyvalue Be	
Stratified	Layers (Ab)	~ (^ 11)		Motrix ((F1) (LKI (E2)	Κ Ν, L)		
Depleted	rk Surface (A12)	e (ATT)	LOality Gleyed	wanix (v (E3)	(Г2)			(F12) (LRR R, L, R)
Sandy M	ucky Mineral (S1)		Bedox Dark Si	rface (F	-6)		Mesic Spodi	~ (TA6) (MI RA 144A 145 149B)
Sandy G	leved Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent I	Material (F21)
Sandy Re	edox (S5)		Redox Depress	sions (F	8)		Verv Shallow	/ Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)	- /		Other (Expla	in in Remarks)
Dark Sur	face (S7)			. ,			、	,
I—								
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology mu	ust be pi	resent, ur	nless dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Туре:	ROC	СК						
Depth (in	ches):	8					Hydric Soil Present?	Yes NoX
Remarks:								
This data forr	n is revised from No	orthcentral	and Northeast Reg	ional Su	pplement	Version	2.0 to include the NRCS F	ield Indicators of Hydric Soils,
Version 7.0, 2	2015 Errata. (http://w	www.nrcs.	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Observer: Name:	RF+SZ	_]	Project Information: Name: _ Baron Wind Project				
Weather:	75° F, Sur	iny			1	Number:_		13039 Date:	5/10/2017
Stream Na	me:	Stream 4L							
Stream Locatio	n (nearest	road, structur	re, etc.) :	NW of Pawling	g Road. Adj	acent to	propose	d substations	
Adjacent Comr	nunity:	Upland deci	duous an	d Wetland 4L					
Stream Gradier	nt - gentle - mode - steep	erate	Х						
Bank Width:	10-15'	_							
Stream Width:	5-10'	_							
Water Depth:	2-6"	_							
Substrate: - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	X X X X X							
Instream Cover	r: - Unde - Over - Logs - Deep - Othe	rcut bank changing veg /woody deb pools rr	etation ris	X					
Flow: - Pern - Inter	nanent rmittent	<u>X</u>							
Photo # Flag #'s	Stream 4I	-							
Additional Cor within an exist	nments: ing transm	<u>Stream flow</u> ission line RC	s SW and DW. Stream	is located in the r m is a NYSDEC n	niddle of W napped Cla	Vetland 4L ss C chani	. Wetlaı nel.	nd/stream com	plex is located

Environmental Design & Research

Observer:						Project Info	ormation:	
Name:	RF+CL	_				Name: Baro	n Wind Project	
Weather:	75° F, Su	nny				Number:_	13039 Date:	4/26/2017
Stream Na	me:	Stream 4M						
Stream Locatio	on (nearest	road, structur	e, etc.) :	East of Jone	s Road, Tu	rbine 93		
Adjacent Com	munity:	Upland deci	duous /co	niferous forest	_			
Stream Gradier	nt - gentle - mode - steep	erate	X					
Bank Width:	5-6'	-						
Stream Width:	2-3'	_						
Water Depth:	1-3"	-						
Substrate: - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	x x x x						
Instream Cove	r: - Unde - Ove - Logs - Deej - Othe	ercut bank rhanging veg s/woody deb p pools er	etation ris	<u>X</u>				
Flow: - Pern - Inter	nanent rmittent	<u>X</u>						
Photo # Flag #'s	Stream 4	M						
Additional Con	mments: _	Deep cut int	ermittent s	stream. Soft soi	<u>s.</u>			

Environmental Design & Research
Project/Site: Baron V	Vinds Project			City/County: Steuber	County		Sampling Date:	5/2/2017
Applicant/Owner:	Everpower W	/ind Holdings, In	IC.		State:	NY	Sampling Point	1W @ Wet 4N
Investigator(s): RF, S	Z			Section, Tov	/nship, Range: ⁻	Town of F	Fremont	
Landform (hillside, terr	ace, etc.):	depression/ditch	nLocal	relief (concave, convex	k, none): <u>concav</u>	/e	Slope	%: <u>0-5</u>
Subregion (LRR or ML	.RA): LRR F	R, MLRA 140	Lat: 42.444359	Long:	-77.580817		Datum:	WGS 84
Soil Map Unit Name:	FrB - Fremor	nt Silt Loam, 2 to	8 percent slopes		NWI classi	ication:	PEM	
Are climatic / hydrolog	ic conditions of	on the site typica	al for this time of year?	Yes X	No	(If no, ex	xplain in Remarks	s.)
Are Vegetation	, Soil	, or Hydrology	significantly distu	rbed? Are "Norm	al Circumstance	es" prese	nt? Yes <u>X</u>	No
Are Vegetation	, Soil	, or Hydrology	naturally problem	atic? (If needed	, explain any an	swers in	Remarks.)	
SUMMARY OF FI	NDINGS -	Attach site	map showing san	npling point locati	ons, transed	cts, imp	oortant featur	es, etc.

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland 4N
Hydric Soil Present?	Yes X	No	
Wetland Hydrology Present?	Yes X	No	
Remarks: (Explain alternative procedur	es here or in a s	eparate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is require	Surface Soil Cracks (B6)					
X Surface Water (A1)	X Drainage Patterns (B10)					
X High Water Table (A2)	Moss Trim Lines (B16)					
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)				
Sediment Deposits (B2)	ots (C3) X Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3)	Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4)	Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6)					
Iron Deposits (B5)	Thin Muck Surface (C7)	X Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7)	Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)					
Sparsely Vegetated Concave Surface (B	8)	X FAC-Neutral Test (D5)				
Field Observations:						
Surface Water Present? Yes X	No Depth (inches): 1					
Water Table Present? Yes X	No Depth (inches): 10					
Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No						
Saturation Present? Yes X	No Depth (inches): 0	Wetland Hydrology Present? Yes X No				
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): 0	Wetland Hydrology Present? Yes X No				
Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mor	No Depth (inches): nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No ctions), if available: No No				
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor	No Depth (inches):	Wetland Hydrology Present? Yes X No ctions), if available:				
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor	No Depth (inches):	Wetland Hydrology Present? Yes X No ctions), if available:				
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No ctions), if available:				
Saturation Present? Yes X (includes capillary fringe)	No Depth (inches): nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No Descriptions), if available: No No				
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches):	Wetland Hydrology Present? Yes X No				
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No ctions), if available:				
Saturation Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No				
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No				
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No				
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No				
Saturation Present? Yes X (includes capillary fringe) Describe Recorded Data (stream gauge, mor Remarks:	No Depth (inches): nitoring well, aerial photos, previous inspec	Wetland Hydrology Present? Yes X No				

Sampling Point: 1W @ Wet 4N

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3 4				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Cornus sericia	10	Yes	FACW	FACW species 110 x 2 = 220
2. <u>Salix sp.</u>	10	Yes	FACW	FAC species 0 x 3 = 0
3				FACU species 15 x 4 = 60
4				UPL species 0 x 5 = 0
5				Column Totals: 125 (A) 280 (B)
6				Prevalence Index = B/A =224
7				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Phalaris arundinacea	90	Yes	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
2. Solidago sp.	10	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Fragaria virginiana	5	No	FACU	data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indiastors of hydric soil and watland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in (7.6 cm) or more in
9.			,	diameter at breast height (DBH), regardless of height.
10 11			·	Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	105	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in height
2				
3				Hydrophytic
4				Vegetation Present? Yes X No
Ŧ		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Des	cription: (Describe	to the de	oth needed to doc	ument t	he indica	tor or co	onfirm the absence of	of indicators.)		
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-3	10YR 3/2	100					Loamy/Clayey			
3-12	10YR 5/1	75	7.5YR 5/6	25	С	М	Loamy/Clayey	Prominent redox concentrations		
		·								
		·				—				
	<u></u>	·								
	·	·								
	<u></u>	·								
	<u> </u>									
	·	·								
	·	·								
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	² Location: F	PL=Pore Lining, M=Matrix.		
Hydric Soil	Indicators:			o (Indicators f	for Problematic Hydric Soils ³ :		
HISTOSO	I (A1) ninadan (A2)		Polyvalue Belo	ow Surfa	ce (S8) (I	_RR R,	2 cm M	UCK (A10) (LRR K, L, MLRA 149B)		
Black H	pipedon (A2) istic (Δ3)		Thin Dark Surf	9) Sace (90)		MI RA 1	COast F	$\frac{1}{1000} = \frac{1}{1000} (A + 10) (LRR K, L, R)$		
Hvdroge	an Sulfide (A4)		High Chroma	Sands (S	511) (LRF	8 K. L)	Polyvalı	ue Below Surface (S8) (LRR K, L)		
Stratifie	d Lavers (A5)		Loamv Muckv	Mineral	(F1) (LRF	R K. L)	Thin Da	ark Surface (S9) (LRR K. L)		
X Deplete	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)	, ,	Iron-Ma	nganese Masses (F12) (LRR K, L, R)		
Thick D	ark Surface (A12)		X Depleted Matri	ix (F3)			Piedmo	nt Floodplain Soils (F19) (MLRA 149B)		
Sandy M	Mucky Mineral (S1)		Redox Dark S	urface (F	6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
Sandy (Gleyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Material (F21)			
Sandy F	Redox (S5)		Redox Depres	sions (F	8)		Very Shallow Dark Surface (F22)			
Stripped	d Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	Explain in Remarks)		
Dark Su	ırface (S7)									
³ Indicators of	of hydrophytic yeaetat	tion and w	etland hydrology m	uet ha ni	recent ur	loce diet	urbed or problematic			
Restrictive	Laver (if observed):		citalia nyarology m		cocint, ui	1033 0131				
Type:	rocky su	bstrate								
Depth (i	nches):	12					Hydric Soil Prese	nt? Yes <u>X</u> No		
Remarks:										
This data fo	rm is revised from No	orthcentral	and Northeast Reg	ional Su	pplement	Version	2.0 to include the NR	CS Field Indicators of Hydric Soils,		
Version 7.0,	2015 Errata. (http://w	www.nrcs.	usda.gov/Internet/F	SE_DOC	JUMENT	S/nrcs14	2p2_051293.docx)			

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 5/2/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet 4N
Investigator(s): RF, SZ	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): flat Loc	cal relief (concave, convex, none): none Slope %: 0-2
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.443049	Long: -77.582071 Datum: WGS 84
Soil Map Unit Name: FrB - Fremont silt loam , 2 to 8 percent	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year	? Yes X No (If no, explain in Remarks.)
Are Vegetation X , Soil , or Hydrology significantly dis	sturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally proble	matic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	ampling 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:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu fallow farm field	ires here or in a	separate report.)	

Wetland Hydrology Indicators:					Secondary Indicators (minimum of two required)			
Primary Indicators (minimu	m of one is requi	Surface Soil Cracks (B6)						
Surface Water (A1) Water-Stained Leaves (B9)					Drainage Patterns (B10)			
High Water Table (A2) Aquatic Fauna (B13)					Moss Trim Lines (B16)			
Saturation (A3) Marl Deposits (B15)					Dry-Season Water Ta	ble (C2)		
Water Marks (B1)		Crayfish Burrows (C8))					
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3)					Saturation Visible on A	Aerial Imagery (C9)		
Drift Deposits (B3) Presence of Reduced Iron (C4)					Stunted or Stressed P	Plants (D1)		
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6)					Geomorphic Position	(D2)		
Iron Deposits (B5)		 Thin M	uck Surface (C7)		Shallow Aquitard (D3)			
Inundation Visible on A	erial Imagery (B	7) Other (Explain in Remarks)		Microtopographic Reli	ef (D4)		
Sparsely Vegetated Concave Surface (B8)					FAC-Neutral Test (D5)		
Field Observations:								
Surface Water Present?	Yes	No X	Depth (inches):					
Water Table Present?	Yes	No X	Depth (inches):					
Saturation Present?	Yes	No X	Depth (inches):	Wetlar	nd Hvdroloav Present?	Yes No X		
(includes capillary fringe)					,	· · · <u> </u>		
Describe Recorded Data (s	tream gauge, mo	onitoring well,	aerial photos, previous insp	ections), if	available:			
· · · · · · · · · · · · · · · · · · ·	0 0 /	0,		,,				
Remarks:								

Sampling Point: 1U @ Wet 4N

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3 4				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1.				FACW species 0 x 2 = 0
2.				FAC species $0 x 3 = 0$
3.				FACU species $140 \times 4 = 560$
4				$\frac{1}{1}$
5				$\frac{1}{20}$
5				
o				Hudrombutic Versetation Indicators
7				Hydrophytic vegetation indicators:
		= I otal Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Dactylis glomerata	75	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Taraxacum officinale	40	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Trifolium pratense	25	No	FACU	data in Remarks or on a separate sheet)
4. Daucus carota	5	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wotland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast beight (DBH) regardless of beight
10				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	145	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in height.
2				
3				Hydrophytic
				Vegetation
4				
		= I otal Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

	Matrix		Redo	x Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rema	rks	
0-12	10YR 3/2	100					Loamy/Clavey				
0.12	10111 0/2						Loamy/olaycy				
		<u> </u>									
		<u> </u>									
¹ Type: C=Co	oncentration, D=Depl	etion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.	² Location: F	PL=Pore Li	ning, M=Ma	ıtrix.	
Hydric Soil I	ndicators:						Indicators f	or Proble	matic Hydr	ic Soils ³ :	:
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	_RR R,	2 cm Mu	uck (A10) (LRR K, L,	MLRA 14	19B)
Histic Ep	ipedon (A2)	•	MLRA 149B)			Coast P	rairie Rede	ox (A16) (Ll	RR K, L,	R)
Black His	stic (A3)		Thin Dark Surf	ace (S9) (LRR R	MLRA 1	49B) 5 cm Mu	ucky Peat	or Peat (S3) (LRR K	, L, R)
Hydroge	n Sulfide (A4)	•	High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalu	ue Below S	Surface (S8)	(LRR K,	L)
Stratified	Layers (A5)	•	Loamy Mucky	Mineral	(F1) (LR	R K, L)	 Thin Da	rk Surface	(S9) (LRR	K , L)	,
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Ma	nganese N	lasses (F12	2) (LRR K	(, L, R)
 Thick Da	rk Surface (A12)	· · ·	Depleted Matri	x (F3)	,		Piedmo	nt Floodpla	ain Soils (F1	9) (MLR	A 149E
Sandv M	luckv Mineral (S1)	•	Redox Dark Su	urface (F	-6)		Mesic S	, podic (TA	6) (MLRA 1	44A. 145	. 149B)
 Sandv G	leved Matrix (S4)	•	Depleted Dark	Surface	, (F7)		Red Par	rent Materi	al (F21)		. ,
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Verv Sh	allow Dark	Surface (F	22)	
Stripped	Matrix (S6)		Marl (F10) (LR	R K. L)	- /		Other (F	- xolain in F	Remarks)	/	
Dark Sur	face (S7)	•		, _/					(omano)		
Bain Gai											
³ Indicators of	bydrophytic vegetat	ion and we	atland hydrology m	ist ha ni	resent ur	lass dist	urbed or problematic				
Restrictive I	aver (if observed):		stand nydrology me		coont, ui	1033 0130					
Type											
Type.								-			

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 8/1/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet 40
Investigator(s): RF, CL	Section, Township, Range: Town of Wayland
Landform (hillside, terrace, etc.): Hill slope Loca	I relief (concave, convex, none): Concave Slope %: 3
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.454733	Long: -77.559829 Datum: WGS 84
Soil Map Unit Name: MdC - Mardin channery silt loam, 8 to 15 percent slo	ppesNWI classification: PEM
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 Hydrologysignificantly distu	rbed? Are "Normal Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydrologynaturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	npling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	Х	No	Is the Sampled Area
Hydric Soil Present?	Yes	Х	No	within a Wetland? Yes x No
Wetland Hydrology Present?	Yes	Х	No	If yes, optional Wetland Site ID: Wetland 40
Remarks: (Explain alternative procedur	es here or	in a se	eparate report.)	
Hillside seep				

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

Sampling Point: <u>1W @ Wet 4O</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3				Total Number of Dominant Species Across All Strata: 1 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
	:	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1.				FACW species 100 x 2 = 200
2.				FAC species $0 x 3 = 0$
3.				FACU species 0 x 4 = 0
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 100 (A) 200 (B)
6				$\frac{1}{200} = \frac{1}{200} = \frac{1}$
7				Hydrophytic Vegetation Indicators:
··		-Total Covor		1 Papid Tast for Hydrophytic Vagatation
Horb Stratum (Plot size: 5)	·			X 2 Dominance Test is 250%
<u>Herb Stratum</u> (Flot size. <u>5</u>)	100	N	EA 0)4/	
	100	res	FACW	\underline{X} 3 - Prevalence index is ≤ 3.0
2				4 - Morphological Adaptations (Provide supporting
3			<u> </u>	1
4				Problematic Hydrophytic Vegetation' (Explain)
5 6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>) 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sena	rate sheet)			

Profile Desc	ription: (Describe	to the de	pth needed to docu	ument tl	he indica	ator or co	onfirm the absence of	indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10yr 2/2	100					Loamy/Clayey	
4-12	5g 5/1	30					Loamy/Clayey	
	5gy 6/1	50	7.5yr 6/1	20	С	M		Prominent redox concentrations
					<u> </u>			
·								
							·	
					. <u> </u>			
					. <u> </u>			
¹ Type: C=Co	oncentration, D=Depl	letion, RN	l=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location: PL	.=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for	r Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muc	ck (A10) (LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2)		MLRA 149B)			Coast Pra	airie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surf	ace (S9)) (LRR R	, MLRA 1	49B) 5 cm Muc	cky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K, L)	Polyvalue	e Below Surface (S8) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Thin Dark	s Surface (S9) (LRR K, L)
Depleted	d Below Dark Surface	e (A11)	X Loamy Gleyed	Matrix (F2)		Iron-Mang	ganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont	t Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Sp	odic (TA6) (MLRA 144A, 145, 149B)
Sandy G	ileyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pare	nt Material (F21)
Sandy R	edox (S5)		Redox Depres	sions (Fa	8)		Very Sha	llow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Ex	plain in Remarks)
Dark Su	rface (S7)							
³ Indicators of	f hydrophytic vegetat	ion and w	etland hydrology mi	ist he nr	esent ur	nless dist	urbed or problematic	
Restrictive I	Layer (if observed):		oliana nyarology ma					
Туре:	Rocky su	bstrate						
Depth (ir	nches):	12					Hydric Soil Present	t? Yes <u>X</u> No
Remarks:								
This data for Version 7.0,	m is revised from No 2015 Errata. (http://v	orthcentral www.nrcs.	and Northeast Reg usda.gov/Internet/F	ional Su SE_DOC	pplement CUMENT	t Version S/nrcs14	2.0 to include the NRC 2p2_051293.docx)	S Field Indicators of Hydric Soils,
			-					

Project/Site: Barc	on Winds			City/County: Steuber	County	S	Sampling Date: 8	3/1/2017
Applicant/Owner:	Everpow	er Wind Holdings, In	c.		State:	NY	Sampling Point:	1U @ Wet 4O
Investigator(s): RF	F, CL			Section, Tow	/nship, Range:]	Town of F	remont	
Landform (hillside,	terrace, etc.)	: Hill slope	Local	relief (concave, conve	, none): <u>None</u>		Slope	%: 5
Subregion (LRR or	MLRA): LI	RR R, MLRA 140	Lat: 42.454845	Long:	-77.559794		Datum:	NGS 84
Soil Map Unit Nam	e: MdC - M	ardin channery silt lo	oam, 8 to 15 percent slop	bes	NWI classif	fication:	N/A	
Are climatic / hydro	ologic condition	ons on the site typica	al for this time of year?	Yes <u>x</u>	No	(If no, ex	plain in Remarks	.)
Are Vegetation	, Soil	, or Hydrology	significantly distur	oed? Are "Norm	al Circumstance	es" preser	nt? Yes <u>x</u>	No
Are Vegetation	, Soil	, or Hydrology	naturally problema	tic? (If needed	, explain any an	swers in F	Remarks.)	
SUMMARY OF	FINDING	S – Attach site	map showing sam	pling point locati	ons, transed	cts, imp	ortant featur	es, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	No <u>x</u> No <u>x</u> No <u>x</u>	Is the Sampled Area within a Wetland? Yes No x If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

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

Sampling Point: 1U @ Wet 4O

Tree Stratum (Plot size: 30)	Absolute	Dominant	Indicator	Dominance Test worksheet:
1 Focus grandifelia	<u>50</u>	Voo		Dominance rest worksheet.
		<u> </u>		Number of Dominant Species
2. Acer saccharum	30	res	FACU	That Are OBL, FACW, of FAC:(A)
3. Ostrya virginiana 4.	10	<u>No</u>	FACU	Total Number of Dominant Species Across All Strata: <u>4</u> (B)
5. 6.		·		Percent of Dominant Species That Are OBL, FACW, or FAC:25.0% (A/B)
7				Prevalence Index worksheet:
	90	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)		-		OBL species 0 x 1 = 0
1.				FACW species 0 x 2 = 0
2.				FAC species 20 x 3 = 60
3.				FACU species 110 x 4 = 440
4.		·		UPL species $0 \times 5 = 0$
5.				Column Totals: 130 (A) 500 (B)
6.		·		Prevalence Index = $B/A = 3.85$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1 Fagus grandifolia	20	Yes	FACU	3 - Prevalence Index is <3.01
2 Solidado rudosa	20	 	FAC	4 - Morphological Adaptations ¹ (Provide supporting
2	20	163	TAC	data in Remarks or on a separate sheet)
· · · · · · · · · · · · · · · · · · ·		•		Duchlamatic III (decembratic) (a potetion ¹ (Europein)
4		<u> </u>		
5		·		¹ Indicators of hydric soil and wetland hydrology must
7		•		Definitions of Vegetation Strata:
8		·		
9.		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb - All berbaceous (non-woody) plants, regardless
	40	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size: <u>30</u>)				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3		·		Hydrophytic
		·		Vegetation Present? Ves No X
·		-Total Cover		
Demortes (Include photo numbero horo er en o cono	roto oboot)			
Remarks. (include photo numbers here of on a sepa	iale sheel.)			

Profile Desc	cription: (Describe	to the de	pth needed to doc	ument t	he indica	tor or co	onfirm the absence	of indicat	tors.)	
Depth	Matrix		Redo	x Featur	res					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remark	6
0-6	10vr 3/2	100					Loamy/Clavey		Loose Dry F	Bonev
	1091 0/2						Loany, olayoy		20000, 219, 2	
		·								
					·					
		·			·					
<u> </u>										
¹ Type: C=Co	oncentration, D=Dep	letion, RM	I=Reduced Matrix, N	/IS=Mas	ked Sanc	l Grains.	² Location: 1	PL=Pore	Lining, M=Matr	ix
Hydric Soil	Indicators:						Indicators	for Probl	ematic Hydric	Soils ³ :
Histosol	(A1)		Polyvalue Belo	ow Surfa	ice (S8) (I	LRR R,	2 cm M	luck (A10)) (LRR K, L, M	LRA 149B)
Histic Ep	bipedon (A2)			6) . (00)			Coast F	Prairie Re	dox (A16) (LRF	R K, L, R)
Black Hi	stic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA 1	149B)5 cm M	ucky Pea	it or Peat (S3) (
Hydroge	n Suitide (A4)		High Chroma	Sands (a	511) (LRF (F4) (LRF	(K, L)	Polyval			LRR R, L)
	d Bolow Dark Surface	o (A11)		Motrix ((FI) (LKI (E2)	κ κ, μ)	Iron Ma		(59) (LRR K Massas (E12)	, L) (IDD K I D)
Depieted	ark Surface (A12)	e (ATT)	Loany Gleyed	iviatiix (iv (E3)	(12)		IIUII-IVIa Piedmo	nt Floodr	Nasses (F12)	$(\mathbf{L}\mathbf{K}\mathbf{K},\mathbf{L},\mathbf{K})$
Sandy M	Ark Sunace (A12) Aucky Mineral (S1)		Bedox Dark Si	urface (F	-6)		Nesic S	Spodic (T	A6) (MI RA 14 4	Δ 145 149B)
Sandy G	leved Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pa	rent Mate	erial (F21)	, 140, 140D)
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Verv St	nallow Da	rk Surface (F22	2)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)	-,		Other (I	Explain in	Remarks)	-,
Dark Su	rface (S7)		、 , 、	. ,				•	,	
—	~ /									
³ Indicators of	f hydrophytic vegetat	tion and w	etland hydrology mu	ust be pi	resent, ur	nless dist	urbed or problematic.			
Restrictive I	Layer (if observed):	:								
Type:	Rocky,	Roots								
Depth (ir	nches):	6					Hydric Soil Prese	ent?	Yes	No x
Remarks:										
This data for	m is revised from No	orthcentral	and Northeast Reg	ional Su	pplement	Version	2.0 to include the NR	CS Field	Indicators of H	ydric Soils,
Version 7.0,	2015 Errata. (http://v	www.nrcs.u	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)			

Project/Site: Baron	Winds			City/County: Steuben		S	Sampling Date:	8/1/2017
Applicant/Owner:	Everpower W	ind Holdings, Inc.			State:	NY	Sampling Point:	1W @ Wet 4P
Investigator(s): RF, 0	CL			Section, Tow	nship, Range:	Fown of F	remont	
Landform (hillside, ter	race, etc.):	Valley	Local r	elief (concave, convex	, none): <u>Conca</u>	ve	Slope	%: 0
Subregion (LRR or M	LRA): LRR R	R, MLRA 140 Lat	: 42.390800	Long:	-77.591334		Datum:	WGS 84
Soil Map Unit Name:	FrB - Fremon	it silt loam, 2 to 8 pe	ercent slopes		NWI classif	fication:	PEM	
Are climatic / hydrolog	gic conditions o	on the site typical fo	r this time of year?	Yes <u>x</u>	No	(If no, ex	plain in Remarks	.)
Are Vegetation	, Soil	, or Hydrology	significantly disturb	ed? Are "Norm	al Circumstance	es" preser	nt? Yes <u>x</u>	No
Are Vegetation	, Soil	, or Hydrology	naturally problema	tic? (If needed,	, explain any an	swers in F	Remarks.)	
SUMMARY OF F	INDINGS -	Attach site ma	p showing sam	oling point locati	ons, transed	cts, imp	ortant featur	es, etc.

Hydrophytic Vegetation Present?	Yes	X	No	Is the Sampled Area within a Wetland? Yes x No If yes, optional Wetland Site ID: Wetland 4P
Hydric Soil Present?	Yes	X	No	
Wetland Hydrology Present?	Yes	X	No	
Remarks: (Explain alternative procedur	es here or ir	n a se	parate report.)	

Wetland Hydrology Indicat	tors:						Secondary Indicators (mir	nimum of two required)	
Primary Indicators (minimun	n of one	e is rec	quired; check	all that apply)			Surface Soil Cracks (B6)		
x Surface Water (A1)			Wate	er-Stained Leaves (B	9)		Drainage Patterns (B	10)	
x High Water Table (A2)			Aqua	atic Fauna (B13)			Moss Trim Lines (B16	6)	
x Saturation (A3)			Marl	Deposits (B15)			Dry-Season Water Ta	able (C2)	
Water Marks (B1)			Hydr	ogen Sulfide Odor (0	C1)		Crayfish Burrows (C8)	
Sediment Deposits (B2))		Oxid	ized Rhizospheres o	n Living R	oots (C3)	Saturation Visible on	Aerial Imagery (C9)	
Drift Deposits (B3)			Pres	ence of Reduced Iro	n (C4)		Stunted or Stressed F	Plants (D1)	
Algal Mat or Crust (B4)			Rece	ent Iron Reduction in	Tilled Soi	ls (C6)	Geomorphic Position	(D2)	
Iron Deposits (B5)			Thin	Muck Surface (C7)			Shallow Aquitard (D3))	
Inundation Visible on A	erial Im	agery	(B7) Othe	er (Explain in Remark	s)		Microtopographic Rel	ief (D4)	
Sparsely Vegetated Cor	ncave S	Surface	e (B8)				FAC-Neutral Test (D5	5)	
Field Observations:									
Surface Water Present?	Yes	х	No	Depth (inches):	2				
Water Table Present?	Yes	х	No	Depth (inches):	4				
Saturation Present?	Yes	х	No	Depth (inches):	0	Wetlar	nd Hydrology Present?	Yes X No	
(includes capillary fringe)				_					
Describe Recorded Data (st	ream g	auge,	monitoring we	ll, aerial photos, prev	ious inspo	ections), if	available:		
Remarks:									

Sampling Point: 1W @ Wet 4P

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3 4				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 70 $x 1 = 70$
, 1.				FACW species $40 \times 2 = 80$
2				EAC species $15 \times 3 = 45$
2				$\frac{1}{10} \times 0 = \frac{1}{10}$
S				$\frac{1}{100} = \frac{1}{100} = \frac{1}$
4.				$\frac{1}{1} \frac{1}{1} \frac{1}$
5				Column Totals: <u>125</u> (A) <u>195</u> (B)
6				Prevalence Index = B/A =1.56
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Leersia oryzoides	45	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^1$
2 Solidago gigantea	30	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3 Scirpus experinus	25	Ves		data in Remarks or on a separate sheet)
		<u> </u>		Deskilses attail balancia (b. Varastation ¹ /E. estato)
4. Solidago rugosa	15		FAC	Problematic Hydrophytic Vegetation (Explain)
5. <u>Onoclea sensibilis</u> 6.	10	No	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
·				Deminions of Vegetation offata.
9.		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/abrub Woody plants loss than 2 in DPH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	125	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				neight.
2				Hydrophytic
3				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument tl	he indica	ator or co	onfirm the absence	of indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type'	Loc ²	Texture	Remarks
0-4	10yr 4/1	100					Loamy/Clayey	
4-10	10yr 4/1	95	7.5yr 4/4	5	С	M	Loamy/Clayey	
		·						
		·						
		·						
		·						
		·						
1								
'Type: C=Co	oncentration, D=Dep	letion, RM	I=Reduced Matrix, N	NS=Mas	ked Sand	d Grains.	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil I	Indicators:		Daharaha Dah		aa (CO) (I		Indicators	for Problematic Hydric Solls":
Histosol	(A1) Vinadan (A2)			ow Suna	ce (58) (I	LKK K,		Auck (A10) (LRR K, L, MLRA 149B)
HISUC EP	stic $(A2)$		Thin Dark Sur) face (S0)			Coasi	Aucky Post or Post (S2) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma	Sands (S	(LIXIX IX) (1 RF	, MILINA I R K I)	Polyva	lue Below Surface (S8) (LRR K, L)
Stratified	Lavers (A5)		L oamy Mucky	Mineral	(F1) (I RI	R K. I)	T biy va	ark Surface (S9) (I RR K. I.)
Depleted	Below Dark Surface	e (A11)	Loamy Gleved	Matrix ((F2)	, _/	Iron-M	anganese Masses (F12) (LRR K. L. R)
Thick Da	ark Surface (A12)	- ()	X Depleted Matr	ix (F3)	,		Piedm	ont Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark S	urface (F	-6)		Mesic	Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Pa	arent Material (F21)
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Very S	hallow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other	(Explain in Remarks)
Dark Sur	face (S7)							
2								
[°] Indicators of	f hydrophytic vegetat	tion and w	etland hydrology m	ust be pi	resent, ur	nless dist	urbed or problematic	· · ·
Restrictive L	_ayer (if observed):							
Type:	Gravel	, rock						
Depth (ir	nches):	10					Hydric Soil Pres	ent? Yes <u>X</u> No
Remarks:								
This data for	m is revised from No	orthcentral	and Northeast Reg	ional Su	pplement	t Version	2.0 to include the NI	RCS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://v	www.nrcs.	usda.gov/internet/F	SE_DOU	JUMENT	S/nrcs14	2p2_051293.docx)	
i i								

Project/Site: Baron Winds	City/County: Steuben County Sampling Date: 8/1/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet 4P
Investigator(s): RF, CL	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Hill slope Loc	al relief (concave, convex, none): None Slope %: 5
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.390853	Long: <u>-77.590938</u> Datum: <u>WGS 84</u>
Soil Map Unit Name: FrB - Fremont silt loam, 2 to 8 percent slopes	NWI classification: N/A
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 Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling 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:
Hydric Soil Present?	Yes	No x	
Wetland Hydrology Present?	Yes	No x	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

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

Sampling Point: 1U @ Wet 4P

	Absolute	Dominant	Indicator	
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test worksheet:
1. Acer saccharum	80	Yes	FACU	Number of Dominant Species
2. Populus tremuloides	15	No	FACU	That Are OBL, FACW, or FAC:2 (A)
3. Fagus grandifolia	10	No	FACU	Total Number of Dominant
4. Fraxinus pennsylvanica	10	No	FACW	Species Across All Strata: <u>5</u> (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 40.0% (A/B)
7				Prevalence Index worksheet:
	115	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
1. Fagus grandifolia	30	Yes	FACU	FACW species <u>30</u> x 2 = <u>60</u>
2				FAC species X 3 = 60
3				FACU species 195 x 4 = 780
4				UPL species 0 x 5 = 0
5				Column Totals: 245 (A) 900 (B)
6				Prevalence Index = B/A = 3.67
7				Hydrophytic Vegetation Indicators:
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1. Sedum ternatum	60	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Fraxinus pennsylvanica	20	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Solidago rugosa	20	Yes	FAC	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5				(,
6				Indicators of hydric soil and wetland hydrology must
7				Definitions of Vogotation Strata:
·				Deminions of Vegetation Strata.
o				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast neight (DBH), regardless of neight.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3				Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ument tl	he indica	ator or co	onfirm the absence of in	dicators.)		
Depth	Matrix		Redox	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remark	S	
0-6	10yr 3/2	100					Loamy/Clayey			
6-12	10yr 5/3	90	7.5yr 4/6	5	С	М	Loamy/Clayey			
'Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	1S=Mas	ked Sand	d Grains.	² Location: PL=F	Pore Lining, M=Mat	rix.	
Hydric Soil I	ndicators:		Daharaha Dah	0(-			Indicators for Problematic Hydric Soils":			
Histosol	(A1) ineden (AD)			w Suna	ce (58) (LKK K,	2 cm Muck	(A10) (LRR K, L, N		
HISTIC Ep	ipedon (AZ)		WILKA 149B)				e Redox (A16) (LR	$\mathbf{K} \mathbf{K}, \mathbf{L}, \mathbf{K}$	
	STIC (A3)			ace (59)		, MLRA 1	[149B] = 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)			
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	511) (LRI	R K, L)	Polyvalue Below Surface (S8) (LRR K, L)			
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark S	urface (S9) (LRR K	Χ, L)	
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Manga	nese Masses (F12)	(LRR K, L, R)	
Thick Da	rk Surface (A12)		Depleted Matrix	x (F3)			Piedmont F	loodplain Soils (F19	9) (MLRA 149B)	
Sandy M	ucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic Spod	ic (TA6) (MLRA 14	4 A, 145, 149B)	
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent	Material (F21)		
Sandy R	edox (S5)		Redox Depress	sions (Fa	8)		Very Shallow Dark Surface (F22)			
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)	,		Other (Explain in Remarks)			
Dark Sur	face (S7)		、 、 、 、	. ,			、 ・	,		
3										
Pestrictive I	hydrophytic vegetat	ion and w	etland hydrology mu	ist be pr	resent, ui	niess dist	urbed or problematic.			
Type:	ayer (il observeu).									
Depth (ir	iches):						Hydric Soil Present?	Yes	No x	
Remarks:										
This data for	m is revised from No	orthcentral	and Northeast Regi	ional Su	pplemen	t Version	2.0 to include the NRCS	Field Indicators of H	lydric Soils,	
Version 7.0,	2015 Errata. (http://v	ww.nrcs.u	usda.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)			

Project/Site: Baron Winds Project	City/County: Steuben County Sampling Date: 8/1/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 1W @ Wet 4Q
Investigator(s): RF, CL	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): Valley Loca	al relief (concave, convex, none): Concave Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.391143	Long:77.589740 Datum: WGS 84
Soil Map Unit Name: FrB - Fremont silt loam, 2 to 8 percent slopes	NWI classification: PEM
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 Hydrologysignificantly dist	urbed? Are "Normal Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydrologynaturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <u>X</u>	K No	Is the Sampled Area within a Wetland? Yes x No If yes, optional Wetland Site ID: Wetland 4Q
Hydric Soil Present?	Yes <u>X</u>	K No	
Wetland Hydrology Present?	Yes <u>X</u>	K No	
Remarks: (Explain alternative procedure	es here or in a	a separate report.)

Wetland Hydrology Indicators:	-	Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is require		Surface Soil Cracks (B6)		
X Surface Water (A1)	Water-Stained Leaves (B9)	_	Drainage Patterns (B10)	
High Water Table (A2)	Aquatic Fauna (B13)	_	Moss Trim Lines (B16)	
X Saturation (A3)	Marl Deposits (B15)	_	Dry-Season Water Table (C2)	
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	_	Crayfish Burrows (C8)	
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Ro	ots (C3)	Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3)	Presence of Reduced Iron (C4)	_	Stunted or Stressed Plants (D1)	
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Microtopographic Relief (D4)	
Sparsely Vegetated Concave Surface (Ba	8)	_	FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes X	No Depth (inches): 1			
Water Table Present? Yes	No x Depth (inches):			
Saturation Present? Yes x	No Depth (inches): 1	Wetland	Hydrology Present? Yes X No	
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspe-	ctions), if av	vailable:	
Remarks:				

Sampling Point: <u>1W @ Wet 4Q</u>

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3				Total Number of Dominant Species Across All Strata: 1 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 25 x 1 = 25
1				FACW species 95 x 2 = 190
2.				FAC species 10 x 3 = 30
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 130 (A) 245 (B)
6.				Prevalence Index = $B/A = 1.88$
7.				Hydrophytic Vegetation Indicators:
		-Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1 Operles sensibilis	75	Voc		$\frac{1}{2}$ 2 Dominance results > 50 %
2 Caray stricta	25	No		$\frac{1}{4}$ - Morphological Adaptations ¹ (Provide supporting
2. Unpetions concercio				data in Remarks or on a separate sheet)
3. Impatiens capensis				Decklose die Underschadie Mansteller 1 (Ferstelle)
4. Symphyotrichum prenantholdes	10	NO	FAC	Problematic Hydrophytic Vegetation (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.	130	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless
Woody Vine Stratum (Plot size: 30)				
1				Woody vines – All woody vines greater than 3.28 ft in height.
2				Hydrophytic
3				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

SOIL	
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Donth		o the de	pth needed to doci			tor or co	oninini the absence of	mulcators.)	
Depth (inchos)	Color (moint)	0/	Color (moint)	x Featur		$1 co^2$	Toxturo	Bomarka	
		- 70		<u></u>	<u>Type</u>				
0-12	10yr 4/1	95	7.591 4/6	5	<u> </u>		Loamy/Clayey	Prominent redox concentrations	
12-15	5g 6/1	70				<u>M</u>	Loamy/Clayey		
	10yr 4/1	25	7.5yr 4/6	5	<u> </u>	<u>M</u>		Prominent redox concentrations	
					_				
		—							
		_							
¹ Type: C=Co	ncentration, D=Depl	etion, RN	I=Reduced Matrix, N	/IS=Mas	ked Sanc	Grains.	² Location: Pl	L=Pore Lining, M=Matrix.	
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7)			Polyvalue Beld MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky X Loamy Gleyed X Depleted Matri Redox Dark Su Depleted Dark Redox Depres Marl (F10) (LR	i) Face (S9 Sands (S Mineral Matrix (ix (F3) urface (F Surface sions (Fi :R K, L)	ce (S8) (I (LRR R (F1) (LRF (F1) (LRF F2) (F7) 8)	MLRA 1 R K, L) R K, L)	2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149) Mesic Spodic (TA6) (MLRA 144A, 145, 149) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks)		
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology mu	ust be pi	resent, ur	less dist	urbed or problematic.		
Type:	ayer (if observed):								
Depth (in	ches):						Hydric Soil Presen	nt? Yes No	
Remarks:			and Monthau 1 D	ion - 1 0		\/e=='			
This data forr Version 7.0, 2	n is revised from No 2015 Errata. (http://w	rthcentral	and Northeast Reg usda.gov/Internet/F	ional Su SE_DOC	pplement	Version 5/nrcs14	2.0 to include the NRC 2p2_051293.docx)	CS Field Indicators of Hydric Soils,	

Project/Site: Baron Winds	City/County: Steuben Sampling Date: 8/1/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 10 @ Wet 4Q
Investigator(s): RF, CL	Section, Township, Range: Town of Fremont
Landform (hillside, terrace, etc.): flat Loc	al relief (concave, convex, none): None Slope %: 0
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.391113	Long: -77.589833 Datum: WGS 84
Soil Map Unit Name: FrB - Fremont silt loam, 2 to 8 percent slopes	NWI classification: N/A
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 Hydrologysignificantly dis-	turbed? Are "Normal Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydrologynaturally proble	matic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling 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:
Hydric Soil Present?	Yes	No x	
Wetland Hydrology Present?	Yes	No x	
Remarks: (Explain alternative procedu	ires here or in a	separate report.)	

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requ	ired; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3	3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B	7) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No x Depth (inches):	
Water Table Present? Yes	No x Depth (inches):	
Saturation Present? Yes	No x Depth (inches): Wet	land Hydrology Present? Yes No x
(includes capillary fringe)		
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspections),	if available:
Remarks:		

Sampling Point: 1U @ Wet 4Q

	Absolute	Dominant	Indicator	
<u>Iree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test worksheet:
1. Acer saccharum	25	Yes	FACU	Number of Dominant Species
2. <u>Fagus grandifolia</u>	25	Yes	FACU	That Are OBL, FACW, or FAC:(A)
 Fraxinus pennsylvanica 4. 	15	Yes	FACW	Total Number of Dominant Species Across All Strata: <u>6</u> (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:
7				Prevalence Index worksheet:
	65	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1. Fagus grandifolia	15	Yes	FACU	FACW species 15 x 2 = 30
2.				FAC species 15 x 3 = 45
3.				FACU species 85 x 4 = 340
4.		·		UPL species $0 \times 5 = 0$
5.				Column Totals: 115 (A) 415 (B)
6		·		$\frac{1}{2}$
7		·		Hydrophytic Vegetation Indicators:
···	15	-Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Horb Stratum (Plot size: 5)	10			2 Dominance Test is >50%
A Detuction (Flot Size)	20	Vaa	FACU	
Polystichum acrostichoides	20	Yes	FACU	$\frac{3}{10} - \frac{3}{10} = \frac{3}{10}$
2. Solidago rugosa	15	Yes	FAC	data in Remarks or on a separate sheet)
3		·		,
4		·		Problematic Hydrophytic Vegetation (Explain)
5 6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast beight (DBH), regardless of beight
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	35	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1		<u> </u>		height.
2				Hydrophytic
3		·		Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Profile Desc	cription: (Describe	to the dep	oth needed to docu	ument t	he indica	tor or co	onfirm the absence of	f indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10yr 3/3	100					Loamy/Clayey	
8-10	10yr 4/3	100					Loamy/Clayey	
		·					·	
							·	
		lation PM			kod Sono	Croine	² Logation: D	I - Poro Lining M-Matrix
Hydric Soil	Indicators:	ielion, Riv	=Reduced Matrix, N	/15=1vias	keu Sand	Grains.	Indicators fo	or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	RR R	2 cm Mu	ick (A10) (I RR K. I., MI RA 149B)
Histic Er	pipedon (A2)		MLRA 149B)	00 (00) (,	Coast Pi	rairie Redox (A16) (LRR K. L. R)
Black Hi	stic (A3)		Thin Dark Surf	, ace (S9) (LRR R .	MLRA 1	149B) 5 cm Mu	uckv Peat or Peat (S3) (LRR K. L. R)
Hvdroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRF	R K. L)	Polvvalu	e Below Surface (S8) (LRR K. L)
Stratified	Lavers (A5)		Loamv Muckv	Mineral	(F1) (LR	R K. L)	Thin Dar	rk Surface (S9) (LRR K. L)
Depleted	d Below Dark Surface	e (A11)	Loamy Gleved	Matrix ((F2)	,,	Iron-Mar	nganese Masses (F12) (LRR K. L. R)
Thick Da	ark Surface (A12)	- ()	Depleted Matri	x (F3)	/		Piedmor	nt Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	irface (F	6)		Mesic St	podic (TA6) (MI RA 144A 145 149B)
Sandy G	leved Matrix (S4)		Neoleted Dark	Surface	(F7)		Red Par	ent Material (F21)
Sandy B			Depleted Dark	sione (E	(1 <i>7)</i> 9)			allow Dark Surface (E22)
Sanuy R	Motrix (S6)		Mod (E10) (LB		0)		Very Sha	Synloin in Romarka)
Supped Dark Su	rface (S7)		IMAII (F10) (LK	κ κ , ι)				
	()							
³ Indicators of	f hydrophytic vegetat	tion and w	etland hydrology mu	ust be pi	resent, ur	less dist	urbed or problematic.	
Restrictive I	Layer (if observed): Bed r	rock						
Depth (ir	nches):	10					Hvdric Soil Preser	nt? Yes No x
Remarks:	, <u> </u>						,	
This data for	m is revised from No	orthcentral	and Northeast Regi	ional Su	pplement	Version	2.0 to include the NRC	CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	www.nrcs.u	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: Baron	Winds				City/County: Steube	n County	Sa	ampling Date:	8/1/2017
Applicant/Owner:	Everpower V	Vind Holdings, In	c.			State:	NY	Sampling Point	1W @ Wet 4R
Investigator(s): RF, 0	CL				Section, To	wnship, Range:	Town of Cc	hocton	
Landform (hillside, ter	race, etc.):	Valley		Local r	elief (concave, conve	ex, none): <u>Conca</u>	ve	Slope	: %: <u>5</u>
Subregion (LRR or MI	LRA): LRR	R, MLRA 140	Lat:	42.459528	Long:	-77.526069		Datum:	WGS 84
Soil Map Unit Name:	FL - Fluvaqu	ents and Ochrep	ts			NWI classif	fication: P	FO	
Are climatic / hydrolog	gic conditions	on the site typica	ıl for t	this time of year?	Yes <u>x</u>	No	(If no, exp	lain in Remarks	s.)
Are Vegetation	, Soil	, or Hydrology		significantly disturb	ed? Are "Norr	nal Circumstance	es" present	? Yes <u>x</u>	No
Are Vegetation	, Soil	, or Hydrology		naturally problemat	tic? (If needed	d, explain any an	swers in R	emarks.)	
SUMMARY OF F	INDINGS -	- Attach site ı	map	showing sam	pling point locat	ions, transed	cts, impo	ortant featur	res, etc.
Hydrophytic Vegetat	ion Present?	Yes	х	No	Is the Sampled A	rea			
Hydric Soil Present?		Yes	Х	No	within a Wetland	? Yes	<u>x</u> N	1o	
Wetland Hydrology F	Present?	Yes	Х	No	If yes, optional We	etland Site ID: \	Wetland 4F	र	

Remarks: (Explain alternative procedures here or in a separate report.)

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

Sampling Point: 1W @ Wet 4R

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1. Carpinus caroliniana	35	Yes	FAC	Number of Dominant Species
2. Fraxinus pennsylvanica	30	Yes	FACW	That Are OBL, FACW, or FAC: 5 (A)
3. Betula alleghaniensis	15	No	FAC	Total Number of Dominant
4. Tsuga canadensis	10	No	FACU	Species Across All Strata: 6 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 83.3% (A/B)
7				Prevalence Index worksheet:
	90	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =
1. Fraxinus pennsylvanica	20	Yes	FACW	FACW species 130 x 2 = 260
2. Fagus grandifolia	10	Yes	FACU	FAC species65 x 3 =195
3				FACU species 30 x 4 = 120
4				UPL species x 5 =0
5.				Column Totals: 225 (A) 575 (B)
6.				Prevalence Index = B/A = 2.56
7.				Hydrophytic Vegetation Indicators:
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)		•		X 2 - Dominance Test is >50%
1. Onoclea sensibilis	50	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Impatiens capensis	30	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3 Symphyotrichum prenanthoides	15	No	FAC	data in Remarks or on a separate sheet)
	10	No	FACU	Problematic Hydrophytic Vegetation ¹ (Evplain)
	10		TACO	
5				¹ Indicators of hydric soil and wetland hydrology must
o				be present, unless disturbed or problematic.
/		·		Definitions of Vegetation Strata:
8		·		Tree – Woody plants 3 in. (7.6 cm) or more in
9		·		diameter at breast height (DBH), regardless of height.
10		·		Sapling/shrub – Woody plants less than 3 in. DBH
11		·		and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	105	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Understand a
3				Hydropnytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

L

	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-12	10yr 4/1	80	7.5yr 4/4	20	с	PL/M	Loamy/Clayey	Prominent redox concentrations
¹ Type: C=Co	oncentration. D=Deple	etion. RM		/S=Mas	ked Sand	Grains	² l ocation: Pl	=Pore Lining, M=Matrix
Hydric Soil I	ndicators:			ile-mao			Indicators fo	or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	_RR R,	2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		MLRA 149B)			Coast Pr	airie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Thin Dark Surf	, ace (S9)	(LRR R	MLRA 1	49B) 5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	511) (LRF	R K, L)	Polyvalue	e Below Surface (S8) (LRR K, L)
Stratified	Lavers (A5)		Loamv Muckv	Mineral	(F1) (LR	R K. L)	 Thin Darl	k Surface (S9) (LRR K. L)
Depleter	Below Dark Surface	(A11)	Loamy Gleved	Matrix (F2)	, ,	Iron-Man	ganese Masses (F12) (LRR K. L. R
Thick Da	rk Surface (A12)	()	X Depleted Matri	x (F3)	,		Piedmon	t Floodplain Soils (F19) (MLRA 149
Sandy M	ucky Mineral (S1)		Redox Dark Si	rface (F	6)		Mesic Sr	odic (TA6) (MI RA 144A 145 149
Sandy G	leved Matrix (S4)		Neolox Bulk Back	Surface	(F7)		Red Pare	ant Material (F21)
Oandy O	odov (S5)		Depicted Dark	cione (E	(i /) 2)		Von/ Sha	allow Dark Surface (E22)
Oanuy IX	Motrix (SE)		Mort (E10) (LB))		Very One	volein in Romarka)
Dark Su	face (S7)			ΓΓΓ, Ε)				
Duik Ou								
Indicators of	hydrophytic vegetation	on and w	etland hydrology mi	ust be pr	esent, ur	less dist	urbed or problematic.	
Restrictive L	ayer (if observed):							
Type:	Grave	el						
Depth (ir	iches):	12					Hydric Soil Presen	nt? Yes X No
Remarks:								
i tomanto.	m is revised from Nor	theoptrol	and Northeast Reg	ional Su	nnlomon	1/		
This data for	II IS TEVISEU ITOTTI NOT	uncentral	und Northoust Rog	ional Su	phieimein	version	2.0 to include the NRC	CS Field Indicators of Hydric Soils,

Project/Site: Baron Winds	City/County: Steuben Sampling Date: 8/1/2017
Applicant/Owner: Everpower Wind Holdings, Inc.	State: NY Sampling Point: 2W @ Wet 4R
Investigator(s): RF, CL	Section, Township, Range: Town of Cohocton
Landform (hillside, terrace, etc.): Valley Local	relief (concave, convex, none): None Slope %: 5
Subregion (LRR or MLRA): LRR R, MLRA 140 Lat: 42.459525	Long: <u>-77.525835</u> Datum: <u>WGS 84</u>
Soil Map Unit Name: FL - Fluvaquents and Ochrepts	NWI classification: PEM
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 Hydrologysignificantly distur	rbed? Are "Normal Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydrologynaturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes	Х	No	Is the Sampled Area
Hydric Soil Present?	Yes	Х	No	within a Wetland? Yes x No
Wetland Hydrology Present?	Yes	Х	No	If yes, optional Wetland Site ID: Wetland 4R
Remarks: (Explain alternative procedures I	nere or	in a se	eparate report.)	

		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requ	uired; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
x Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	X Oxidized Rhizospheres on Living Ro	bots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soil	s (C6) X Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (37) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface	(B8)	X FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes	No x Depth (inches):	
Water Table Present? Yes	No x Depth (inches):	
Saturation Present? Yes x	No Depth (inches): 0	Wetland Hydrology Present? Yes X No
Saturation Present? Yes x (includes capillary fringe)	No Depth (inches):0	Wetland Hydrology Present? Yes X No
Saturation Present? Yes x (includes capillary fringe)	No Depth (inches):0	Wetland Hydrology Present? Yes X No

Sampling Point: 2W @ Wet 4R

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3. 4.				Total Number of Dominant Species Across All Strata: <u>3</u> (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species 0 x 1 = 0
1				FACW species 95 x 2 = 190
2				FAC species 80 x 3 = 240
3				FACU species 0 x 4 = 0
4				UPL species 0 x 5 = 0
5.				Column Totals: 175 (A) 430 (B)
6.				Prevalence Index = $B/A = 2.46$
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%
1. Solidago rugosa	45	Yes	FAC	X 3 - Prevalence Index is $\leq 3.0^{1}$
2 Solidago gigantea	45	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3 Panunculus acris	35	Ves	FAC	data in Remarks or on a separate sheet)
		No		Droblemetic Lludrenbutic Merchanter ¹ (Eucleice)
4. Impatiens caperisis				
5. Unoclea sensibilis	15	<u>N0</u>	FACW	¹ Indicators of hydric soil and wetland hydrology must
6. Mentha arvensis	10	No	FACW	be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All berbaceous (non-woody) plants, regardless
	175	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Weedy vince All weedy vince greater than 2.29 ft in
1.				height.
2.				
3.				Hydrophytic
4				Vegetation Present? Yes X No
*		-Total Cover		
Pamarka: (Include photo numbers here or on a conce	roto choot)			
	ale sneel.)			

SOIL

Depth	Matrix	to the de	pth needed to doc	v Featur			onnirm the absence of	indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Tvpe ¹	Loc ²	Texture	Remarks
0-10	10vr 4/1	80	7.5vr 4/4	20	<u>с</u>	PI/M	l oamv/Clavev	Prominent redox concentrations
10-14	10yr 5/1	80	7.5vr 4/4	20	 C	PI/M	Loamy/Clavey	
10 14	1091 0/1		7.5yi 4/4			1 2/101	Loamy/olaycy	
¹ Type: C=Co	oncentration, D=Depl	letion, RM	I=Reduced Matrix, I	MS=Masl	ked Sand	d Grains.	² Location: Pl	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for	or Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (LRR R,	2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2)		MLRA 149E	B)			Coast Pr	airie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Sur	face (S9)) (LRR R	, MLRA 1	1 49B) 5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma	Sands (S	611) (LR	R K, L)	Polyvalue	e Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Darl	k Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleved	Matrix (F2)	. ,	Iron-Man	ganese Masses (F12) (LRR K. L. R)
Thick Da	ark Surface (A12)		X Depleted Matr	ix (F3)	,		Piedmon	t Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark S	urface (F	6)		Mesic Sr	oodic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leved Matrix (S4)		Depleted Dark	Surface	(F7)		Red Pare	ent Material (F21)
Candy C	edox (S5)		Bedox Depres	sions (F	R)		Very Sha	allow Dark Surface (F22)
Strippod	Motrix (SG)		Mort (E10) (LE		5)		Very One	valoin in Romarka)
Stripped	rface (S7)		IMAII (F 10) (LF	(K N, L)				xplain in Remarks)
3								
Restrictive I	Layer (if observed):	ion and w	etiand hydrology m	ust be pr	esent, ur	niess dist	urbed or problematic.	
Type:								
Depth (ir	nches):						Hydric Soil Presen	nt? Yes <u>X</u> No
Remarks:								
This data for	m is revised from No	orthcentral	and Northeast Reg	jional Su	pplemen	t Version	2.0 to include the NRC	CS Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/internet/F	SE_DOC	UMENT	S/nrcs14	2p2_051293.docx)	

Project/Site: B	aron Winds			Cit	y/County: Steuben		:	Sampling Date:	8/1/2017
Applicant/Owner	r: Everp	ower Wind Holdings, I	nc.			State:	NY	Sampling Point:	1U @ Wet 4R
Investigator(s):	RF, CL				Section, Tow	nship, Range: .	Town of (Cohocton	
Landform (hillsic	de, terrace, e	tc.): Valley		Local relie	ef (concave, conve	, none): <u>None</u>		Slope	%: 0
Subregion (LRR	or MLRA):	LRR R, MLRA 140	Lat:	42.459424	Long:	-77.525731		Datum:	WGS 84
Soil Map Unit Na	ame: <u>FL-F</u>	luvaquents and Ochre	pts			NWI classi	fication:	N/A	
Are climatic / hy	drologic cond	ditions on the site typic	al for	this time of year?	Yes <u>x</u>	No	(If no, e	xplain in Remarks	s.)
Are Vegetation	, Soil	, or Hydrology		significantly disturbed	? Are "Norm	al Circumstance	es" prese	ent? Yes <u>x</u>	No
Are Vegetation	, Soil	, or Hydrology		naturally problematic?	(If needed	, explain any an	swers in	Remarks.)	
SUMMARY (OF FINDIN	IGS – Attach site	map	showing sampli	ng point locati	ons, transe	cts, imp	portant featur	res, etc.

Hydrophytic Vegetation Present?	Yes	No x	Is the Sampled Area within a Wetland? Yes No x If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No x	
Wetland Hydrology Present?	Yes	No x	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	·

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

Sampling Point: 1U @ Wet 4R

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
3 4				Total Number of Dominant Species Across All Strata: 1 (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:0.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)				OBL species x 1 =0
1				FACW species 10 x 2 = 20
2.				FAC species 0 x 3 = 0
3.				FACU species 95 x 4 = 380
4.				UPL species $0 x 5 = 0$
5.				Column Totals: 105 (A) 400 (B)
6				$\frac{1}{2}$
7				Hydrophytic Vegetation Indicators:
		-Total Cover		1 - Ranid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)				2 - Dominance Test is >50%
1 Solidogo ottigaimo	60	Voo	EACU	$\frac{2}{2} = \frac{2}{2} = \frac{1}{2} = \frac{1}{2}$
1. Solidago alissina		<u> </u>		$3 - \text{Frevalence index is } \leq 3.0$
				data in Remarks or on a separate sheet)
3. Cirsium arvense	15	<u></u>	FACU	
4. Impatiens capensis	10	No	FACW	Problematic Hydrophytic Vegetation (Explain)
5			·	¹ Indicators of hydric soil and wetland hydrology must
				Definitions of Vanatation Starter
7:				Demitions of vegetation Strata.
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Hark All backageous (non woody) planta, regardlage
	105	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3				Hydrophytic
				Vegetation Brocont2 Vac No V
4		Total Cover		

Profile Desc	ription: (Describe	to the dep	th needed to docu	ument t	he indica	ator or co	onfirm the absence of indi	cators.)	
Depth	Matrix		Redo	x Featur	res				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-2	10yr 3/3	100					Loamy/Clayey		
2-14	10yr 4/3	100					Loamy/Clayey		
							<u> </u>		
		letion RM-	-Reduced Matrix M		ked Sand		² Location: PL-Po	re Lining M-Matrix	
Hydric Soil I	ndicators:			10-11/103			Indicators for Pro	blematic Hydric Soils ³	:
Histosol	(A1)		Polyvalue Belo	w Surfa	ice (S8) (LRR R,	2 cm Muck (A	10) (LRR K, L, MLRA 14	19B)
Histic Ep	ipedon (A2)	-	MLRA 1498)	() (Coast Prairie	Redox (A16) (LRR K, L,	R)
Black His	stic (A3)		Thin Dark Surf	, ace (S9)		MIRA	49B) 5 cm Mucky F	eat or Peat (S3) (I RR K	I.R)
Hydroge	n Sulfide ($\Delta 4$)	-	High Chroma	Sands (9	S11) (I RI	, <u>-</u>	Polyvalue Bel	ow Surface (S8) (LRR K	, _, ., , I)
		-		Minaral			This Dark Sur		· L)
	Layers (AJ)	- (^ 11)			(F1) (LR) (F2)	κ κ , ι)		1200 (39) (LKK K, L)	
	I BEIOW DAIK SUITACE	= (ATT) -	Loamy Gleyed		(FZ)		Iron-Mangane	se Masses (F12) (LRR N	(\mathbf{L}, \mathbf{K})
	irk Surface (A12)	-		x (F3)	-0)			Mapiain Solis (F19) (NILR	A 149B)
Sandy M	ucky Mineral (S1)	-	Redox Dark St	Intace (F	-6)			(1A6) (MLRA 144A, 145	, 149B)
Sandy G	leyed Matrix (S4)	-	Depleted Dark	Surface	e (⊢7)		Red Parent M	aterial (F21)	
Sandy R	edox (S5)	-	Redox Depress	sions (F	8)		Very Shallow	Dark Surface (F22)	
Stripped	Matrix (S6)	-	Marl (F10) (LR	R K, L)			Other (Explain	in Remarks)	
Dark Sur	Tace (57)								
³ Indicators of	hydrophytic vegetat	ion and we	etland hydrology mu	ust be pi	resent, ur	nless dist	urbed or problematic.		
Restrictive L	ayer (if observed):								
Туре:									
Depth (ir	iches):						Hydric Soil Present?	Yes No	X
Remarks:	m in reviewed from No	rthoontrol	and Northeast Desi	ional Cu		t Varaian	2.0 to include the NDCS Fi	Id Indiantara of Lludria C	oile
Version 7.0.	2015 Errata. (http://v	ww.nrcs.u	sda.gov/Internet/FS	SE DOC	CUMENT	S/nrcs14	2p2 051293.docx)	and indicators of Hydric 5	ons,
			0				, _ ,		

Stream Inventory

EDR

Observer: Name:	CL+RF	-		Project Name:	Baron Wind	on: Project	9/1/2017
Stream No.	<u>75 F Sullit</u>	<u>y</u>		Number:	15059	_Date:	8/1/2017
Stream Nai	ne:	Stream 4R	-				
Stream Location	n (nearest 1	road, structure, etc.) :	North of Gruber Rd.			_	
Adjacent Comr	nunity:	Upland deciduous		_			
Stream Gradier	nt - gentle - mode - steep	rate X	-				
Bank Width:	5-8'						
Stream Width:	2-5'						
Water Depth:	1" - 3"						
Substrate: - - - - - - - -	Bed Rock Boulder Cobble Gravel Sand Silt Clay	X X X X X					
Instream Cover	:: - Unde - Over - Logs - Deep - Othe	rcut bank hanging vegetation /woody debris pools r	$\frac{\frac{x}{x}}{\frac{x}{x}}$				
Flow: - Perm - Inter	nanent rmittent	<u>X</u>					
Photo # Flag #'s	Stream 4R						
Additional Cor	nments:	Stream flows east, con	nnected with intermittent s	stream to the	<u>e north</u>		

Environmental Design & Research

Project/Site: Baron Wi	nds Project			City/County: Steuber	n County	Sar	mpling Date:	9/22/2017
Applicant/Owner: E	Everpower W	/ind Holdings, In	IC.		State:	NY S	ampling Point	1W @ Wet 4S
Investigator(s): RF				Section, Tov	vnship, Range: ⁻	Town of Frei	mont	
Landform (hillside, terra	ce, etc.):	Valley	Local r	elief (concave, conve	x, none): <u>concav</u>	/e	Slope	e %: 0
Subregion (LRR or MLR	A): LRR F	R, MLRA 140	Lat: 42.424051	Long:	-77.596236		Datum:	WGS 84
Soil Map Unit Name: <u>N</u>	/oB - Volusia	a channery silt lo	oam, 3 to 8 percent slope	S	NWI classif	fication: PF	0	
Are climatic / hydrologic	conditions	on the site typica	al for this time of year?	Yes X	No	(If no, expla	ain in Remarks	s.)
Are Vegetation,	Soil	, or Hydrology	significantly disturb	ed? Are "Norm	al Circumstance	es" present?	Yes X	No
Are Vegetation,	Soil	, or Hydrology	naturally problema	tic? (If needed	, explain any an	swers in Re	marks.)	
SUMMARY OF FIN	IDINGS –	Attach site	map showing sam	pling point locat	ions, transed	cts, impo	rtant featu	res, etc.

Hydrophytic Vegetation Present?	Yes	X	No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland 4S
Hydric Soil Present?	Yes	X	No	
Wetland Hydrology Present?	Yes	X	No	
Remarks: (Explain alternative procedure	es here or i	in a se	parate report.)	

wo required)
gery (C9)
)
X No

Sampling Point: 1W @ Wet 4S

Trop Stratum (Plot aize: 20)	Absolute	Dominant	Indicator	Dominance Test workshoot						
<u>Tree Stratum</u> (Plot Size. <u>30</u>)	% Cover	Species?		Dominance Test worksneet:						
1. Tsuga canadensis	10	Yes	FACU	Number of Dominant Species						
2. Betula allegnaniensis	10	Yes	FAC	That Are OBL, FACW, or FAC:(A)						
3. 4.				Total Number of Dominant Species Across All Strata: <u>3</u> (B)						
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)						
7.				Prevalence Index worksheet:						
	20	=Total Cover		Total % Cover of: Multiply by:						
Sapling/Shrub Stratum (Plot size: 15)				$\frac{1}{\text{OBL species}} \qquad 0 \qquad \text{x1} = 0$						
1.				FACW species $100 \times 2 = 200$						
2.				FAC species $20 \times 3 = 60$						
3				FACU species 10 $x 4 = 40$						
4				$\frac{1100}{10} = \frac{10}{10} = \frac{10}{10}$						
				Column Totals: 130 (A) 300 (B)						
5				$\frac{1}{2} = \frac{1}{2} = \frac{1}$						
6				Prevalence Index = B/A = 2.31						
<i>I</i>				Hydrophytic vegetation indicators:						
		= I otal Cover		1 - Rapid Test for Hydrophytic Vegetation						
Herb Stratum (Plot size: 5)				X 2 - Dominance Test is >50%						
1. Impatiens capensis	100	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹						
2. Dryopteris sp.	10	No	FAC	4 - Morphological Adaptations ¹ (Provide supporting						
3				data in Remarks of on a separate sheet)						
4				Problematic Hydrophytic Vegetation ¹ (Explain)						
5				¹ Indicators of hydric soil and wetland hydrology must						
6				be present, unless disturbed or problematic.						
7				Definitions of Vegetation Strata:						
8				Tree – Woody plants 3 in (7.6 cm) or more in						
9.				diameter at breast height (DBH), regardless of height.						
10.				Serling/abruh Woody plants loss than 2 in DDU						
11.				and greater than or equal to 3.28 ft (1 m) tall.						
12.										
	110	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.						
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in						
1				height.						
2										
3.				Hydrophytic Vegetation						
4.				Present? Yes X No						
		=Total Cover								
Remarks: (Include photo numbers here or on a separ	ate sheet.)									
	,									
Depth	Matrix		Redo	x Featur	es					
---------------------------	------------------------	-------------	---------------------	---------------------------------------	-------------------	------------------	---------------------------------	---	--	--
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-10	10YR 2/1	95	7.5YR 4/4	5	С	PL/M	Mucky Loam/Clay	Prominent redox concentrations		
10-14	10Y 4/4 30		10YR 5/6	20	С	М	Loamy/Clayey	Prominent redox concentrations		
	5GY 5/1	40								
							·			
¹ Type: C=C	oncentration, D=Dep	letion, RN	I=Reduced Matrix, N	NS=Mas	ked Sand	d Grains.	² Location: P	PL=Pore Lining, M=Matrix.		
Hydric Soil	Indicators:						Indicators for	or Problematic Hydric Soils ³ :		
Histosol	(A1)		Polyvalue Belo	ow Surfa	ce (S8) (LRR R,	2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)		
Histic Ep	pipedon (A2)		MLRA 149E	6)			Coast P	rairie Redox (A16) (LRR K, L, R)		
Black Hi	stic (A3)		Thin Dark Sur	face (S9)) (LRR R	, MLRA	149B)5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)		
Hydroge	en Sulfide (A4)		High Chroma	Sands (S	611) (LRI	R K, L)	Polyvalu	ie Below Surface (S8) (LRR K, L)		
Stratified	d Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dai	rk Surface (S9) (LRR K, L)		
Depleted	d Below Dark Surface	e (A11)	X Loamy Gleyed	l Matrix (F2)		Iron-Mar	nganese Masses (F12) (LRR K, L, R)		
Thick Da	ark Surface (A12)		Depleted Matr	ix (F3)			Piedmor	nt Floodplain Soils (F19) (MLRA 1498		
Sandy M	lucky Mineral (S1)		X Redox Dark S	urface (F	6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149B		
Sandy G	Bleyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	ent Material (F21)		
 Sandv R	Redox (S5)		Redox Depres	sions (F	8)		Very Shallow Dark Surface (F22)			
Stripped	Matrix (S6)		Marl (F10) (I R	RKI)	-)		Other (F	Explain in Remarks)		
Dark Su	rface (S7)			((((((((((((((((((((
³ Indiantara a	f hydrophytic ycactot	ion and w	atland hydrology m	uat ha nr	coont u	aloog dig	turbod or problematic			
Restrictive	Layer (if observed):		ettand hydrology hi	usi be pi	esent, ui	11655 015				
Type:										
Depth (ir	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No		
Remarks:							-			
This data for	m is revised from No	orthcentral	and Northeast Reg	ional Su	pplemen	t Versior	2.0 to include the NR	CS Field Indicators of Hydric Soils,		
Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/F	SE_DOC	UMENT	S/nrcs14	12p2_051293.docx)			

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site:	Baron W	inds F	Project			Sampling Date: 9/22/2017							
Applicant/Own	er: E	Everpo	ower Wind Holdings, I	nc.		NY	Sampling Point: 10 @ Wet 45						
Investigator(s):	RF					Section, Township, Range: Town of Fremont							
Landform (hills	ide, terra	ce, et	c.): Slight hillslope		Local re	elief (conca	ve, conve	x, none): <u>conv</u>	ex	Slope	e %: <u>0-5</u>		
Subregion (LR	R or MLF	RA):	LRR R, MLRA 140	Lat:	42.424103		Long:	-77.595885		Datum:	WGS 84		
Soil Map Unit N	Name: <u>\</u>	/oB -	Volusia channery silt l	oam,	3 to 8 percent slopes	s		NWI class	sification:	N/A			
Are climatic / h	ydrologic	cond	itions on the site typic	al for	this time of year?	`	Yes <u>X</u>	No	(If no, e	explain in Remark	s.)		
Are Vegetation	۱ <u> </u>	Soil	, or Hydrology		significantly disturb	ed?	Are "Norm	al Circumstan	ces" pres	ent? Yes <u>X</u>	No		
Are Vegetation	۱ <u> </u>	Soil	, or Hydrology		naturally problemat	ic?	(If needed	l, explain any a	nswers ir	n Remarks.)			
SUMMARY	OF FIN	DIN	GS – Attach site	map	showing samp	oling poi	nt locat	ions, transe	ects, im	portant featu	res, etc.		

Hydrophytic Vegetation Present?	Yes	No X	Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID:
Hydric Soil Present?	Yes	No X	
Wetland Hydrology Present?	Yes	No X	
Remarks: (Explain alternative procedu	res here or in a	separate report.)	

HYDROLOGY

Wetland Hydrology Indicators	s:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of	of one is require	Surface Soil Cracks (B6)						
Surface Water (A1)		Water-	Stained Leaves (B9)		Drainage Patterns (B10)			
High Water Table (A2)		Aquatio	c Fauna (B13)		Moss Trim Lines (B16	Moss Trim Lines (B16)		
Saturation (A3)		Marl De	eposits (B15)		Dry-Season Water Ta	able (C2)		
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)		Oxidize	ed Rhizospheres on Living R	oots (C3)	Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)		Presen	ce of Reduced Iron (C4)		Stunted or Stressed F	Plants (D1)		
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled Soi	ls (C6)	Geomorphic Position	(D2)		
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3))		
Inundation Visible on Aeria	al Imagery (B7)	Other (Explain in Remarks)		Microtopographic Reli	ief (D4)		
Sparsely Vegetated Conca	ave Surface (B	3)			FAC-Neutral Test (D5	5)		
Field Observations:								
Surface Water Present?	Yes	No X	Depth (inches):					
Water Table Present? Y	Yes	No X	Depth (inches):					
Saturation Present? Y	Yes	No X Depth (inches): Wetlar			nd Hydrology Present?	Yes No X		
(includes capillary fringe)			· · · ·					
Describe Recorded Data (strea	am gauge, mor	nitoring well,	aerial photos, previous inspe	ections), if	available:			
Remarks:								

VEGETATION – Use scientific names of plants.

Sampling Point: 1U @ Wet 4S

	Absolute	Dominant Species2	Indicator	Deminence Test werkehest
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?		Dominance Test worksneet:
1. Isuga canadensis	60	Yes	FACU	Number of Dominant Species
2. Acer saccharum	10	No	FACU	That Are OBL, FACW, or FAC:(A)
 Fagus grandifolia 4. 	10	<u>No</u>	FACU	Total Number of Dominant Species Across All Strata: 2 (B)
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
	80	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15)		-		OBL species 0 x 1 = 0
1. Fagus grandifolia	10	Yes	FACU	FACW species 0 x 2 = 0
2.				FAC species $0 \times 3 = 0$
3.				FACU species 90 x 4 = 360
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 90 (A) 360 (B)
6.		<u> </u>		Prevalence Index = $B/A = 4.00$
7.				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5)		-		2 - Dominance Test is >50%
/ _1.				3 - Prevalence Index is ≤3.0 ¹
2.				4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.		<u> </u>		Problematic Hydrophytic Vegetation ¹ (Explain)
5.		<u></u>		
6.		<u> </u>		be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.			·	diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12		·		Herb – All herbaceous (non-woody) plants, regardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30)				Woody vines – All woody vines greater than 3.28 ft in
1		·		height.
2				Hydrophytic
3				Vegetation
4				Present? Yes <u>No X</u>
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument t	he indica	ator or co	onfirm the absence of indi	cators.)		
Depth (inchos)	Matrix	0/	Color (moiot)	x ⊦eatui	Tuno ¹	1.002	Toxturo	Pomor		
(Inches)	Color (moist)	%	Color (moist)	%	Туре	LOC	Texture	Reman	KS	
0-3	10YR 3/2	100					Loamy/Clayey			
		·								
		·								
		·								
		·			·					
		·					·			
¹ Type: C=Co	oncentration, D=Dep	letion, RN	I=Reduced Matrix, N	∕IS=Mas	ked Sand	d Grains.	² Location: PL=Po	re Lining, M=Mat	rix.	
Hydric Soil I	ndicators:						Indicators for Pro	blematic Hydri	c Soils³:	
Histosol	(A1)		Polyvalue Belo	ow Surfa	ice (S8) (LRR R,	2 cm Muck (A	10) (LRR K, L, M	ILRA 149B)	
Histic Ep	pipedon (A2)		MLRA 1498	6)			Coast Prairie I	Redox (A16) (LR	R K, L, R)	
Black His	stic (A3)		Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LF						(LRR K, L, R)	
Hydroge	n Sulfide (A4)		High Chroma	Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S8) (LRR					(LRR K, L)	
Stratified	Lavers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Dark Surface (S9) (LRR K, L)			
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed Matrix (F2)				Iron-Manganese Masses (F12) (LRR K, L, R)			
Thick Da	rk Surface (A12)	- ()	Depleted Matr	ix (F3)			Piedmont Floodplain Soils (F19) (MLRA 149B			
Sandy M	lucky Mineral (S1)		Redox Dark S	urface (F	-6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
Candy M	leved Matrix (S4)		Neoleted Dark	Surface	(F7)		Red Parent Material (F21)			
Candy C	edox (S5)		Bedox Depres	sions (F	2(17)		Very Shallow Dark Surface (F22)			
Stripped	Motrix (S6)		Marl (E10) (LB		0)		Other (Explain in Remarks)			
	food (87)			ις ς, ε)						
	lace (57)									
³ Indiantere of										
Destrictive I		lion and w	elianu nyulology m	ust be p	ieseni, u					
Tumat	ayer (if observed):	to								
Type.	100	เร								
Depth (in	nches):	3					Hydric Soil Present?	Yes	<u>No X</u>	
Remarks:										
This data for	m is revised from No	orthcentral	and Northeast Reg	ional Su	ıpplemen	t Version	2.0 to include the NRCS Fie	eld Indicators of I	Hydric Soils,	
Version 7.0, 2	2015 Errata. (http://v	www.nrcs.	usda.gov/Internet/F	SE_DO	CUMENT	S/nrcs14	2p2_051293.docx)			

Stream Inventory

Observer:		Project Infor	rmation:	
Name: RF		Name: Baron	Wind Project	
Weather: 70° F, Sunny		Number:_	13039 Date:	9/22/2017
Stream Name: Stream 4S				
Stream Location (nearest road, structure, etc.) :	East of Conderman	Road		
Adjacent Community: Upland deciduous/coni	ferous			
Stream Gradient - gentle X - moderate - steep				
Bank Width: 5-8'				
Stream Width: 2-4'				
Water Depth: 0-2"				
Substrate:-Bed Rock-Boulder-Cobble-Cobble-Gravel-Sand-SiltXClayX				
Instream Cover: - Undercut bank - Overhanging vegetation - Logs/woody debris - Deep pools - Other	<u>X</u>			
Flow: - Permanent X - Intermittent				
Photo # Flag #'s Stream 4S				
Additional Comments: <u>Stream flows south-sout</u>	hwest through wetland	45. Stream is a NY	'SDEC Class A(t) f	eature
Environmental Design & Research				