9.0 SITE CONDITIONS REPORT

Included in this section are the following reports that characterize the exiting conditions on the site, and provide evidence of good standing for Weaver Wind LLC as a Maine corporation:

Exhibit 9-1, Wetland Delineation Report and Mapping Exhibit 9-2, Wetland Determination Forms Exhibit 9-3, Vernal Pool Determination Documentation Exhibit 9-4, Wildlife Habitat Report Exhibit 9-5, Evidence of Weaver Wind LLC Good Standing

Weaver Wind Project MDEP Natural Resource Protection Act Application ATTACHMENT 9: SITE CONDITIONS REPORT

Exhibit 9-1

Wetland Delineation Report and Mapping



Wetland and Stream Delineation and Vernal Pool Survey Report

Weaver Wind Project, Hancock County, Maine

August 9, 2018

Prepared for:

Weaver Wind LLC

Prepared by:

Stantec Consulting Services Inc. 30 Park Drive Topsham, ME 04086

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August 23, 2018

1.0 INTRODUCTION

During the summer and fall of 2014, Stantec Consulting Services Inc. (Stantec) completed wetland and stream delineations for the design and siting phase of the proposed Weaver Wind Project (project) located in Hancock County, Maine. These delineations were completed to facilitate project planning and to allow incorporation of avoidance and minimization of natural resource impacts into the final project design. During the delineations, Stantec also identified vernal pools and potential vernal pools (PVP), as appropriate.

This report provides a brief discussion of the methodologies we employed and the delineation results. Summary tables of the results have been included in this report and Wetland Determination Data Forms, Maine State Vernal Pool Assessment Forms, and shapefiles of the delineation results have been provided separately. Representative site photographs are available on request.

2.0 SITE DESCRIPTION

The project area is centrally located in Hancock County in Osborn, T22 MD, T16 MD, and Eastbrook (Figure 7B, Delineated Natural Resources). It is located south of Route 9 and north of the existing Bull Hill Wind Project. Ridges within the project area range from about 500 to 700 feet in elevation and include Little Bull Hill, Een Ridge, Hardwood Hill, and Birch Hill. General site topography is nearly flat to gently sloping with narrow valleys between these small hills and low ridges. An esker that runs northwest to southeast and is known as the Whalesback intersects the northern part of the project area. Soils in this area are generally derived from glacial till, consisting of loam and sandy loam with boulders occurring at or near the soil surface. A number of large glacial erratics are present throughout the area. Spectacle Pond is centrally located within the project area. The East Branch Union River, Colson Branch, Leighton Brook, Garden Eden Brook, and Hopper Brook transect the project at various points.

Much of the area is managed for commercial timber production and there are many existing gravel roads that provide access throughout the area. Forested uplands within the project area are dominated by an even mix of early successional forests, young Beech-Birch-Maple forests, and conifer plantations. Smaller areas of second growth hardwood forests and second growth red spruce (*Picea rubens*) and eastern hemlock (*Tsuga canadensis*) forests are less common. The area includes beaver impoundments, and forested scrub-shrub, and emergent wetlands. Many wetlands have been altered by recent and historic timber harvesting.

3.0 FIELD SURVEY METHODS

Stantec completed field delineations for much of the project area between July and October 2014. Additionally, delineations along approximately 3,800 linear feet of existing access road were completed in 2009 as part of the Bull Hill Wind Project. In 2014, Stantec delineated wetlands within the project area in accordance with the *Corps of Engineers Wetlands Delineation Manual*¹ and the *Regional Supplement to the Corps of Engineers Wetland*

¹ Environmental Laboratory. 1987. *Corps of Engineers Wetlands Delineation Manual.* Technical Report Y-87-1, U.S. Army Engineer Waterways Experiment Station. Vicksburg, MS.



Wetland and Stream Delineation and Vernal Pool Survey Report

August 23, 2018

Delineation Manual: Northcentral and Northeast Region (Version 2.0)². Wetland boundaries and stream centerlines or banks were marked with pink flagging and flags were located using Trimble® Global Positioning System (GPS) receivers. Within the town of Eastbrook, Maine Department of Environmental Protection (MDEP) jurisdictional stream and Wetland of Special Significance (WSS) determinations were based on the criteria in the Maine Natural Resources Protection Act (NRPA). The remainder of the project area is located within the Land Use Planning Commission (LUPC) jurisdiction and identification of streams and P-WL1, WSS, was based on the LUPC *Chapter 10 Land Use Districts and Standards*. Throughout the project area, identification of streams and WSS was limited to observable conditions and available background information.

For a portion of the project area, identification of vernal pools and PVPs were completed in 2009 as part of the original Bull Hill Wind Project. For the remainder of the project area, vernal pools and PVPs were identified in 2014 concurrent with wetland delineations. Identified vernal pools and PVPs were located with the GPS. Because 2014 field delineations were conducted outside of the amphibian breeding period, vernal pool identification was based on the observed presence of remnant egg masses and larval amphibians or. PVPs were identified based upon wetland characteristics such as the presence of surface water that suggested these areas could provide habitat for breeding amphibians or habitat for other vernal pool associated species. In May of 2015, Stantec returned to the project area to survey PVPs that were naturally occurring and identified during previous surveys as potentially significant vernal pools (PSVPs). Unnatural PVPs, occurring in roadside ditches, excavations, and equipment ruts that do not meet the significance criteria as defined in the NRPA were not surveyed in 2015 and remain as PVPs. Maine State Vernal Pool Assessment Forms were completed for all naturally occurring vernal pools identified within the project area. These forms were submitted to the Maine Department of Inland Fisheries and Wildlife for their vernal pool significance determinations.

During the course of field work, Stantec also documented incidental observations of invasive plant species including Japanese knotweed (*Fallopia japonica*), purple loosestrife (*Lythrum salicaria*), and common reed (*Phragmites australis*). Each incidental observation was located with the GPS receiver. These observations do not represent a complete survey for invasive plant species but can be incorporated into a post-construction invasive management plan for the project.

4.0 FIELD SURVEY RESULTS

4.1 WETLAND AND STREAM DELINEATION RESULTS

Stantec delineated 287 wetlands within the project area (Table 1). Most of the wetlands are identified as palustrine forested (PFO) followed by an equal number of palustrine scrub-shrub (PSS) and palustrine emergent (PEM), and only a few wetlands were dominated by palustrine unconsolidated bottom (PUB). Many of the wetlands include two or more of these community types.

² U.S. Army Corps of Engineers. 2012. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0)*, ed. J. S. Wakeley, R. W. Lichvar, C. V. Noble, and J. F. Berkowitz. ERDC/EL TR-12-1. Vicksburg, MS: U.S. Army Engineer Research and Development Center.



Wetland and Stream Delineation and Vernal Pool Survey Report

August 23, 2018

Forested wetlands within the project area are dominated by northern white cedar (*Thuja occidentalis*), black ash (*Fraxinus nigra*), green ash (*Fraxinus pennsylvanica*), red maple (*Acer rubrum*), balsam fir (*Abies balsamea*) gray birch (*Betula populifolia*), and yellow birch (*Betula alleghaniensis*). Eastern hemlock and quaking aspen (*Populus tremuloides*) are also present and have adapted to wetland conditions by growing on mounds or developing shallow root systems.

In general, the scrub-shrub wetlands occur in areas with deeper organic soils or are associated with a water body or beaver impoundment. Typical shrubs found in these areas include common winterberry (*llex verticillata*), catberry (*Nemopanthus mucronatus*), speckled alder (*Alnus incana*), leatherleaf (*Chamaedaphne calyculata*), possumhaw (*Viburnum nudum*), broad-leaf meadowsweet (*Spiraea latifolia*), and steeplebush (*Spiraea tomentosa*). Emergent plants present in these wetlands include broad-leaf cat-tail (*Typha latifolia*), bluejoint (*Calamagrostis canadensis*), rattlesnake manna grass (*Glyceria canadensis*), American burr-reed (*Sparganium americanum*), three-way sedge (*Dulichium arundinaceum*), and northern water-horehound (*Lycopus uniflorus*).

Similar to the scrub-shrub wetlands described above, some emergent wetlands are naturally occurring and are found on deeper organic soils or in association with an open water area. More commonly the emergent wetlands within the project area are the result of timber harvesting. These altered wetlands include recently harvested forested wetlands and skidder trails. These areas are typically dominated by nodding sedge (*Carex gynandra*), cottongrass bulrush (*Scirpus cyperinus*), interrupted fern (*Osmunda claytoniana*), sensitive fern (*Onoclea sensibilis*), fowl manna grass (*Glyceria striata*), pointed broom sedge (*Carex scoparia*), and wrinkle-leaf goldenrod (*Solidago rugosa*).

Many wetlands in the project area contain dense glacial till or large boulders and rocks close to the ground surface. Groundwater is close to the surface and influences the vegetation, soils and hydrology. Shallow soils (10" to 15" deep) with a thick organic horizon and thin layer of reduced sandy or gravelly loam are common. There are also a number of wetlands that contain deep organic layer over a reduced clay loam. These wetlands tend to be larger but are less common.

Stantec delineated 41 streams within the project area (Table 2). The delineated streams vary in characteristics ranging from small ephemeral channels that flow only following snow melt or precipitation events to large perennial channels such as the East Branch of the Union River. Most of these streams either flowing through a wetland or flow out of a headwater wetland. In addition, there are several streams within the project area that are not associated with a wetland. Many of the streams occur along access roads where there are existing crossings. Of the 41 delineated streams:

- 19 are characterized as perennial
- 18 are characterized as intermittent
- 4 are characterized as ephemeral

4.2 VERNAL POOL SURVEY RESULTS

Stantec identified 32 vernal pools within the project area including vernal pools identified in 2009, 2014, and 2015 (Table 3). Fifteen of these identified vernal pools were characterized as naturally occurring and 2 meet the definition of an SVP under the NRPA. The 17 man-made vernal pools were located in roadside ditches, roadside borrow pits or occurred in equipment ruts. Stantec also located 40 PVPs in the project area all of which are man-made and located



Wetland and Stream Delineation and Vernal Pool Survey Report

August 23, 2018

in roadside ditches/excavations and equipment ruts.Due to their unnatural original, these PVPs do not meet the definition of a vernal pool as defined in the NRPA.

4.3 WETLANDS OF SPECIAL SIGNIFICANCE

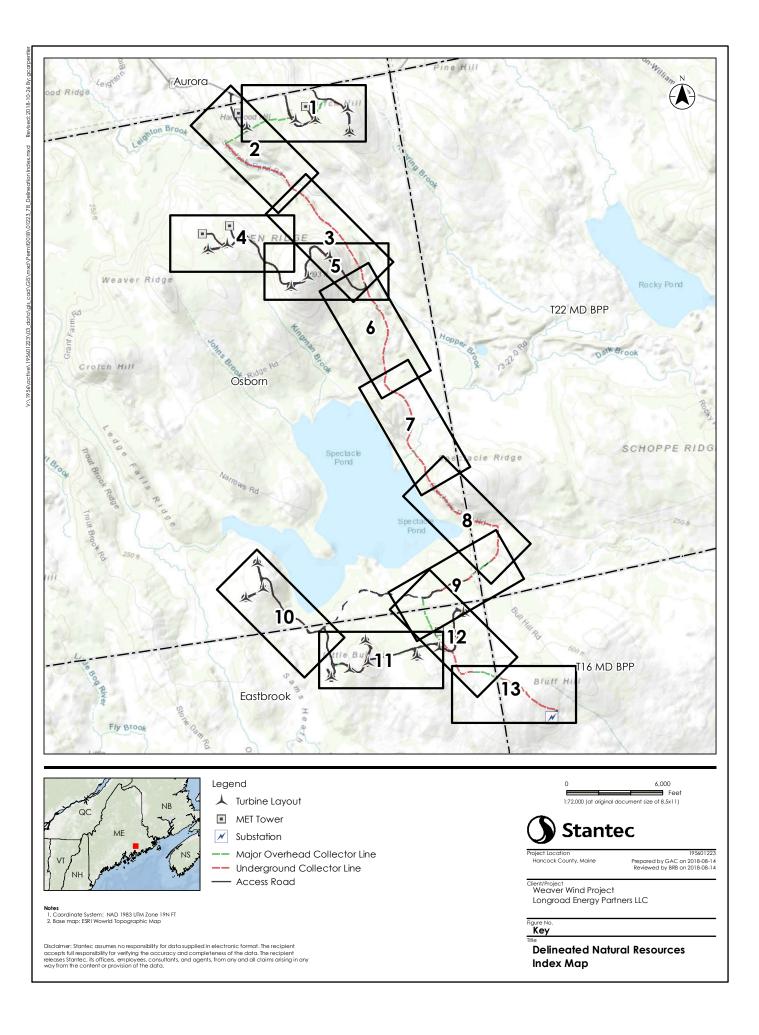
As noted in Table 1, of the 287 identified wetlands, 38 are classified as WSS either under the NRPA or as P-WL1's.

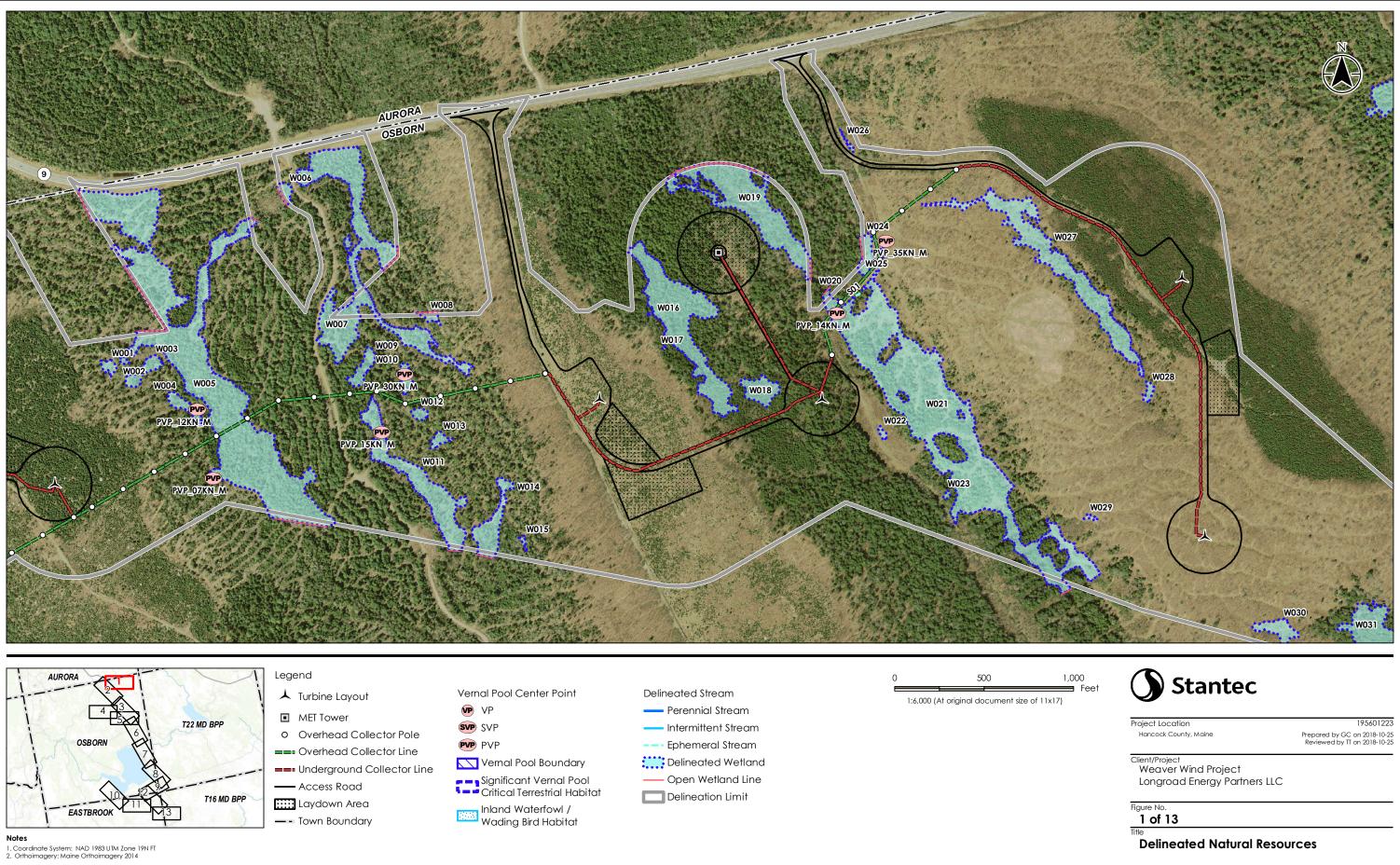
- 27 are significant due to their association with a river stream or brook
- 7 are significant due to the presence of significant wildlife habitat including Inland Waterfowl and Wading bird Habitat (IWWH) or a SVP;
- 4 meet both of the above criteria and/or have 20,000 square feet or more of open water or emergent marsh vegetation

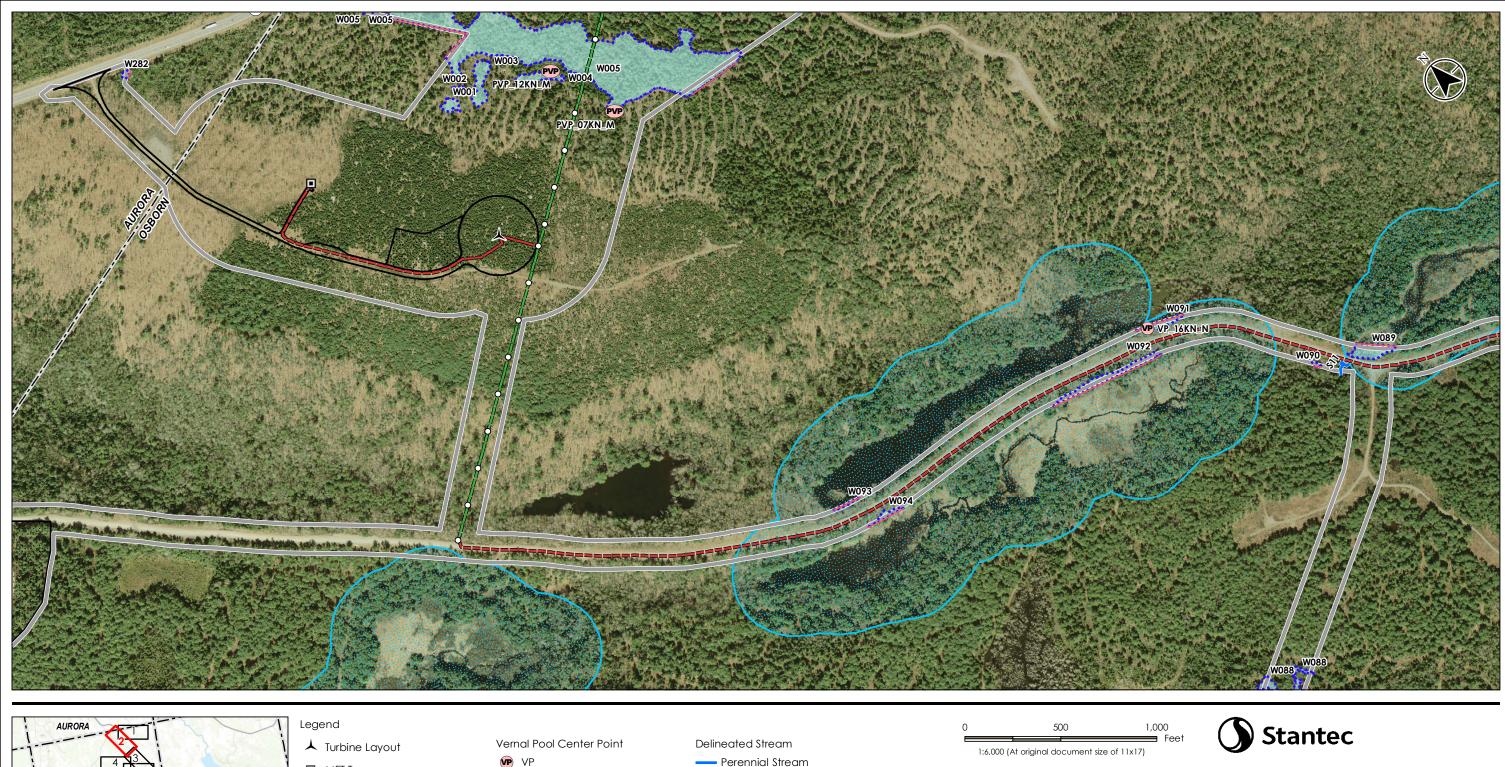
5.0 CONCLUSION

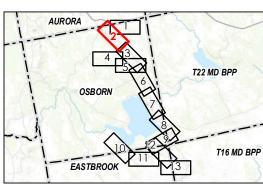
This report summarizes the results of Stantec's field delineation for the proposed project layout as of the date of this report. Subsequent changes to the project footprint or alignment may necessitate further field surveys. Impacts to 32 of the 287 wetlands are proposed as part of the project and further described in the MDEP Site Location of Development/NRPA combined application. Clearing will occur along the banks of 7 stream. No direct impacts to the channel or banks of any streams are proposed.











- MET Tower
- Overhead Collector Pole
- ---- Overhead Collector Line
- **---** Underground Collector Line
- Access Road Laydown Area
- Inland Waterfowl / Wading Bird Habitat - Town Boundary

SVP SVP

PVP PVP

VP VP

📉 Vernal Pool Boundary

Significant Vernal Pool Critical Terrestrial Habitat

- - - ---- Intermittent Stream
 - ---- Ephemeral Stream
 - Delineated Wetland

 - ----- Open Wetland Line
 - Delineation Limit

Notes

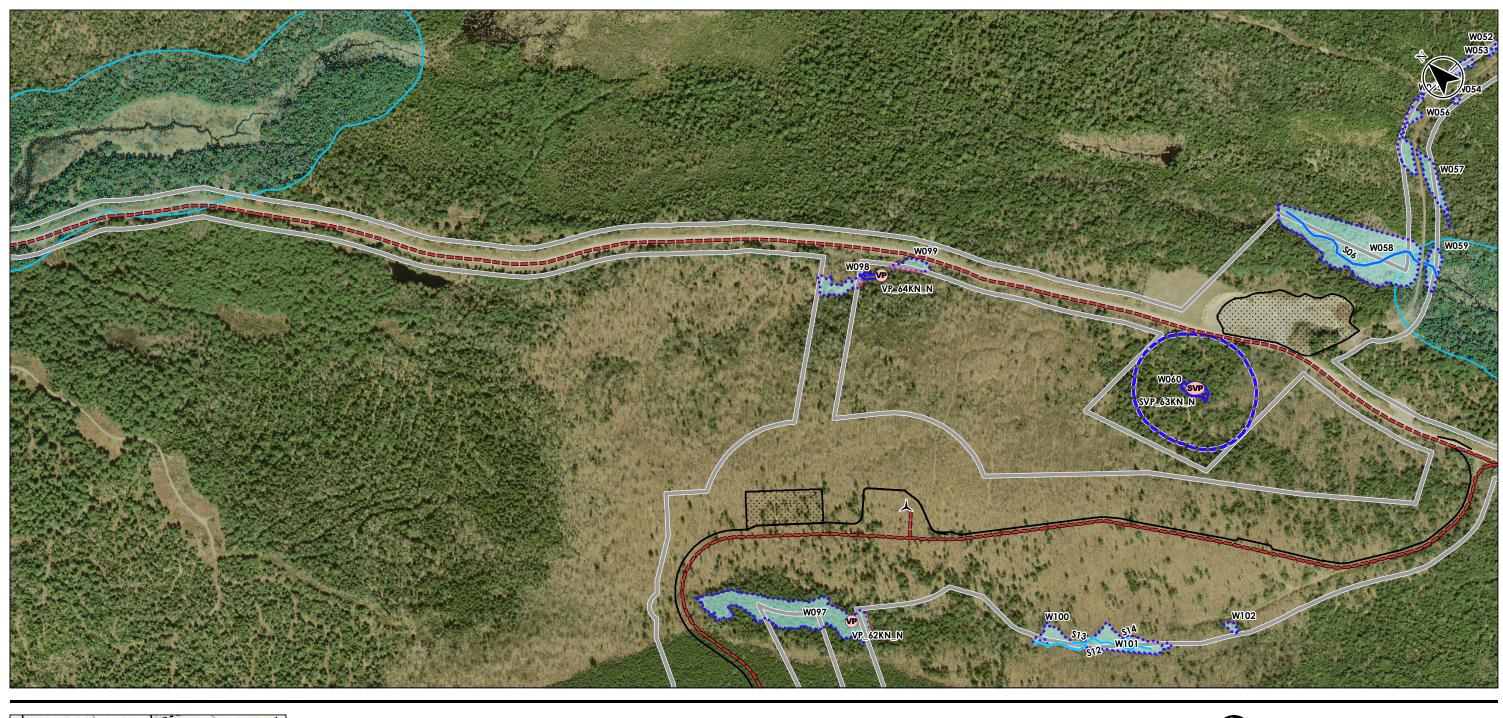
Project Location Hancock County, Maine

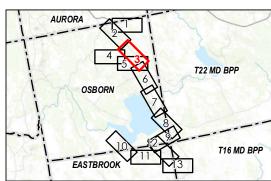
195601223 Prepared by GC on 2018-10-25 Reviewed by TT on 2018-10-25

Client/Project Weaver Wind Project Longroad Energy Partners LLC

Figure No. 2 of 13

^{1.} Coordinate System: NAD 1983 UTM Zone 19N FT 2. Orthoimagery: Maine Orthoimagery 2014





- ★ Turbine Layout
- MET Tower
- Overhead Collector Pole
- ---- Overhead Collector Line
- **---** Underground Collector Line
- Access Road Laydown Area

- Town Boundary

SVP SVP PVP PVP

Vernal Pool Center Point

📉 Vernal Pool Boundary

VP VP

- Significant Vernal Pool Critical Terrestrial Habitat
- Inland Waterfowl / Wading Bird Habitat

Delineated Stream

- ---- Perennial Stream
- ---- Intermittent Stream
- ---- Ephemeral Stream
- Delineated Wetland
- ---- Open Wetland Line
- Delineation Limit

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Notes

1,000 Feet



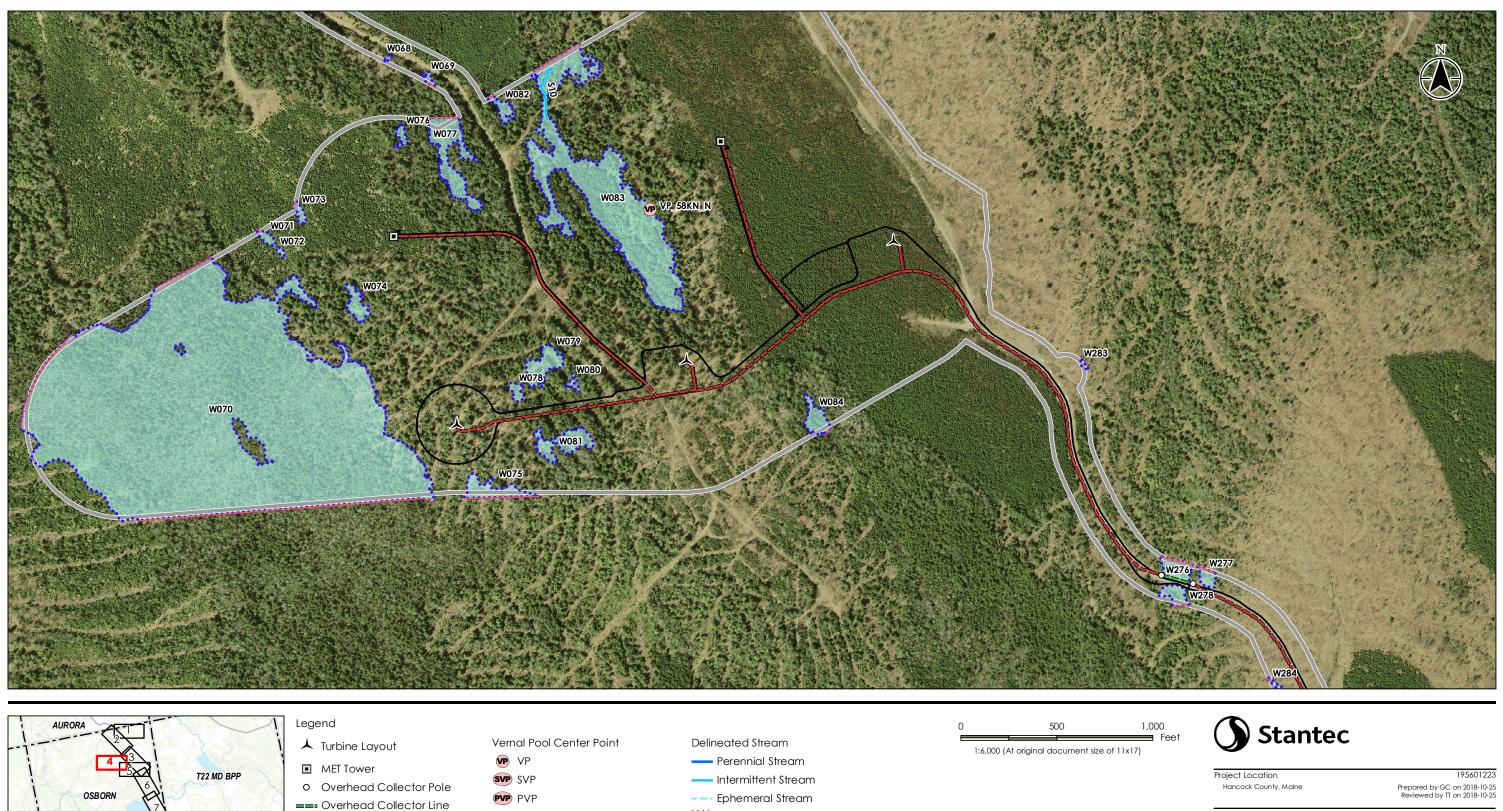
Project Location Hancock County, Maine

195601223 Prepared by GC on 2018-10-25 Reviewed by TT on 2018-10-25

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Figure No. 3 of 13

^{1.} Coordinate System: NAD 1983 UTM Zone 19N FT 2. Orthoimagery: Maine Orthoimagery 2014



Delineated Wetland

---- Open Wetland Line

Delineation Limit

Notes 1. Coordinate System: NAD 1983 UTM Zone 19N FT 2. Orthoimagery: Maine Orthoimagery 2014

EASTBROOK

📉 Vernal Pool Boundary

Inland Waterfowl / Wading Bird Habitat

Significant Vernal Pool Critical Terrestrial Habitat

--- Underground Collector Line

Access Road

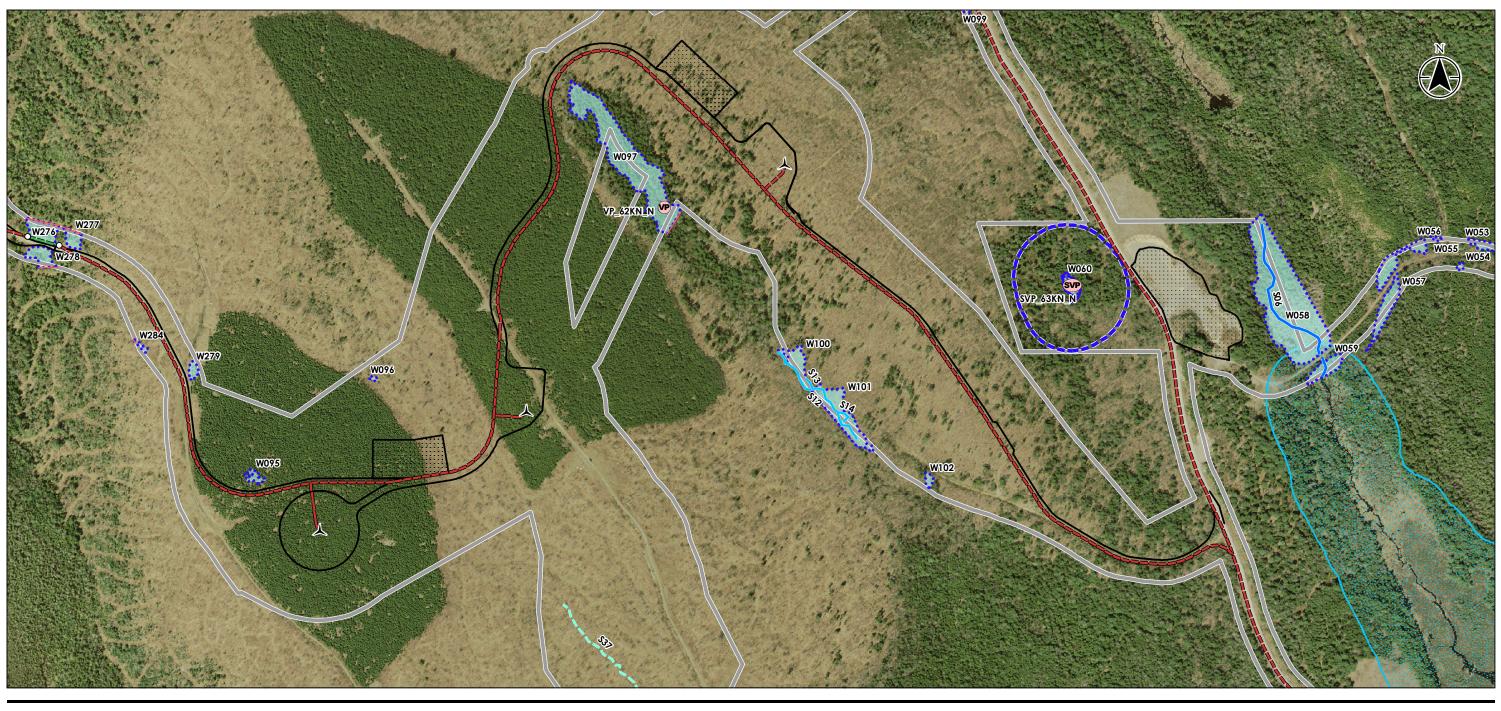
Laydown Area

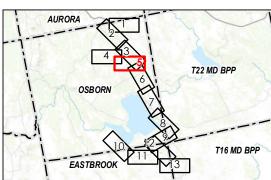
- Town Boundary

T16 MD BPP

Client/Project Weaver Wind Project Longroad Energy Partners LLC

Figure No. 4 of 13





- ★ Turbine Layout
- MET Tower
- Overhead Collector Pole
- ---- Overhead Collector Line
- **---** Underground Collector Line
- Access Road Laydown Area
- Town Boundary

Vernal Pool Center Point

SVP SVP

PVP PVP

VP VP

📉 Vernal Pool Boundary

Inland Waterfowl / Wading Bird Habitat

Significant Vernal Pool Critical Terrestrial Habitat

- - ---- Perennial Stream
 - ---- Intermittent Stream

Delineated Stream

- ---- Ephemeral Stream
- Delineated Wetland
- ---- Open Wetland Line
- Delineation Limit

500 1:6,000 (At original document size of 11x17)

Notes

1,000 **----** Feet



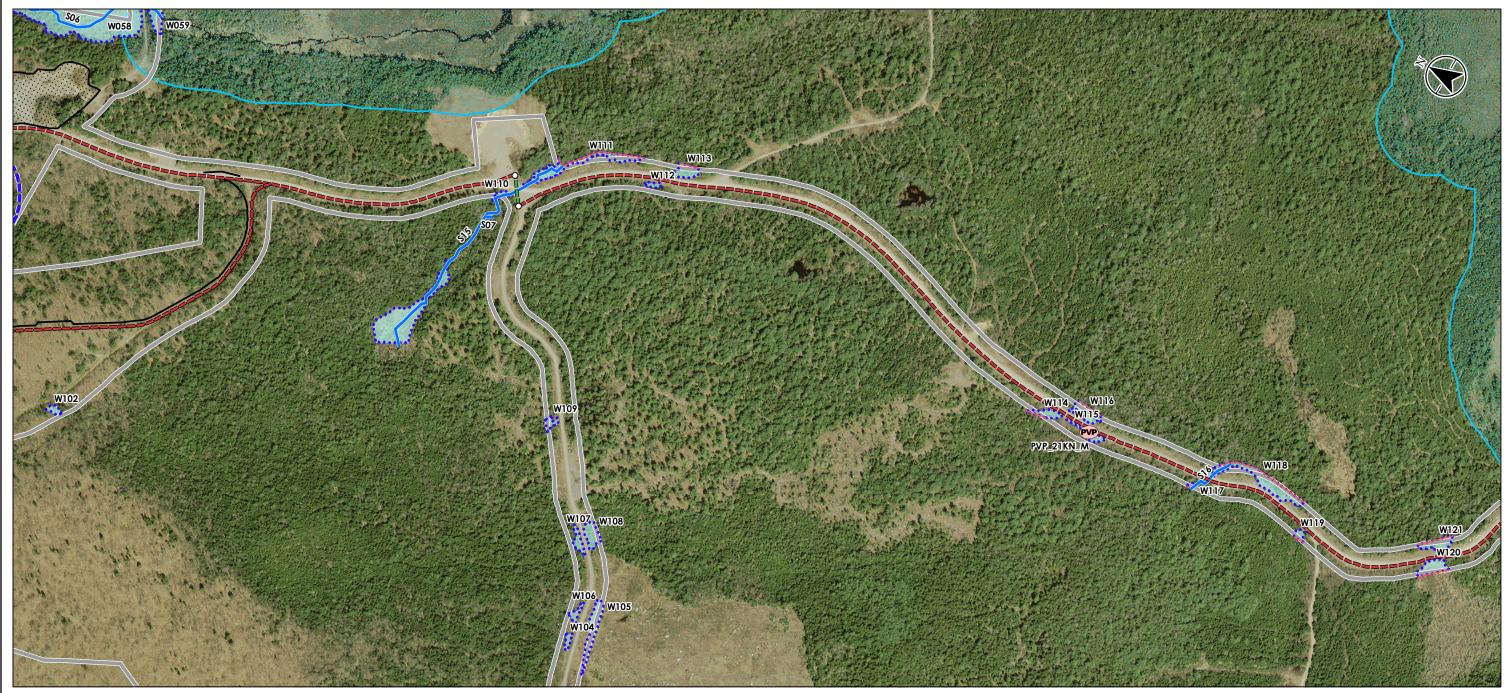
Project Location Hancock County, Maine

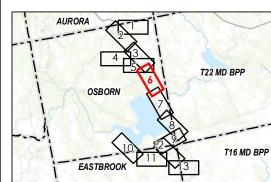
195601223 Prepared by GC on 2018-10-25 Reviewed by TT on 2018-10-25

Client/Project Weaver Wind Project Longroad Energy Partners LLC

Figure No. 5 of 13

^{1.} Coordinate System: NAD 1983 UTM Zone 19N FT 2. Orthoimagery: Maine Orthoimagery 2014





- ★ Turbine Layout
- MET Tower
- Overhead Collector Pole
- ---- Overhead Collector Line
- **——** Underground Collector Line
- Access Road Laydown Area
- Town Boundary

- Vernal Pool Center Point
- VP VP

📉 Vernal Pool Boundary

Inland Waterfowl / Wading Bird Habitat

Significant Vernal Pool Critical Terrestrial Habitat

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SVP SVP

PVP PVP

- - ---- Intermittent Stream
 - ---- Ephemeral Stream

---- Perennial Stream

Delineated Stream

- Delineated Wetland
- ----- Open Wetland Line
- Delineation Limit

500

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Notes

1,000 Feet



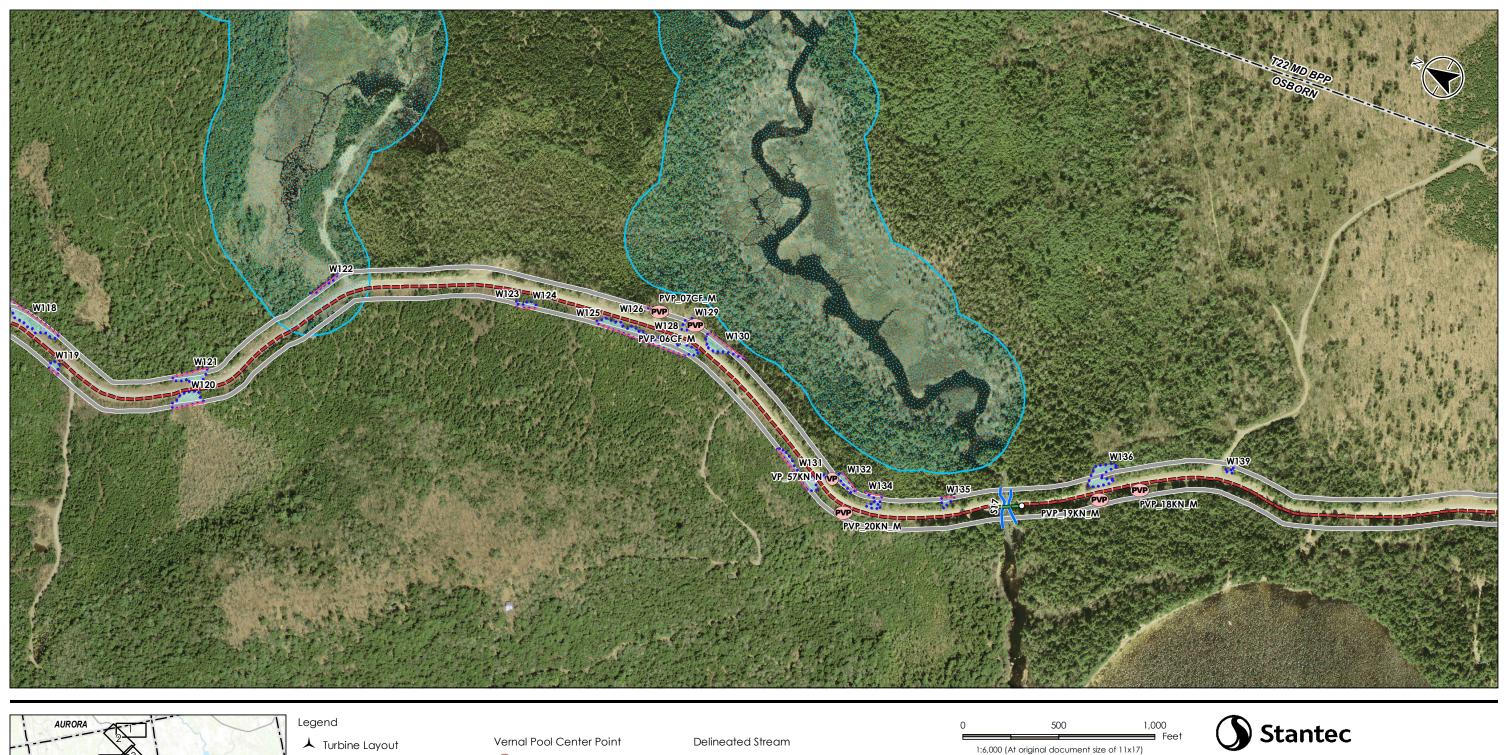
Project Location Hancock County, Maine

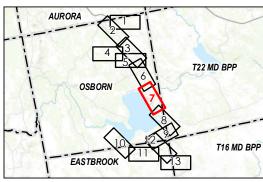
195601223 Prepared by GC on 2018-10-25 Reviewed by TT on 2018-10-25

Client/Project Weaver Wind Project Longroad Energy Partners LLC

Figure No. 6 of 13

^{1.} Coordinate System: NAD 1983 UTM Zone 19N FT 2. Orthoimagery: Maine Orthoimagery 2014





- MET Tower
- Overhead Collector Pole
- ---- Overhead Collector Line
- **---** Underground Collector Line
- Access Road Laydown Area
- Town Boundary

📉 Vernal Pool Boundary

Significant Vernal Pool Critical Terrestrial Habitat

Inland Waterfowl / Wading Bird Habitat

VP VP

SVP SVP

PVP PVP

- ---- Perennial Stream
 - ---- Intermittent Stream
 - ---- Ephemeral Stream
 - Delineated Wetland

 - ----- Open Wetland Line
 - Delineation Limit

Notes

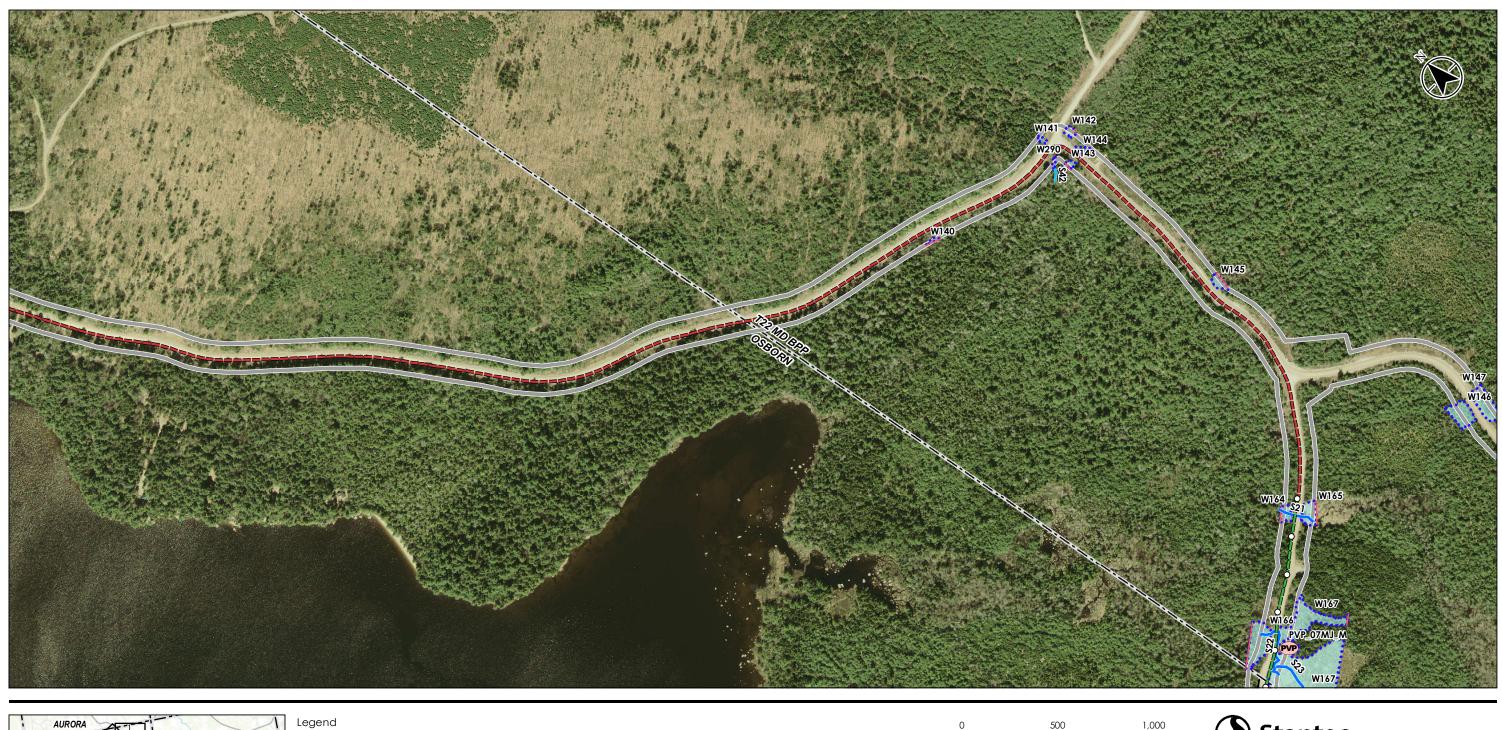
Project Location Hancock County, Maine

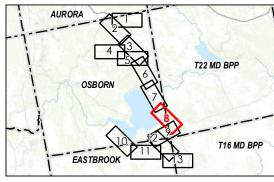
195601223 Prepared by GC on 2018-10-25 Reviewed by TT on 2018-10-25

Client/Project Weaver Wind Project Longroad Energy Partners LLC

Figure No. 7 of 13

^{1.} Coordinate System: NAD 1983 UTM Zone 19N FT 2. Orthoimagery: Maine Orthoimagery 2014





- ★ Turbine Layout
- MET Tower
- Overhead Collector Pole
- ---- Overhead Collector Line
- **---** Underground Collector Line
- Access Road
- Laydown Area - Town Boundary

- Vernal Pool Center Point

SVP SVP

PVP PVP

VP VP

📉 Vernal Pool Boundary

Inland Waterfowl / Wading Bird Habitat

Significant Vernal Pool Critical Terrestrial Habitat

- ---- Intermittent Stream
 - ---- Ephemeral Stream

---- Perennial Stream

Delineated Stream

- Delineated Wetland
- ---- Open Wetland Line
- Delineation Limit

1:6,000 (At original document size of 11x17)

Notes

1,000 **----** Feet

Stantec

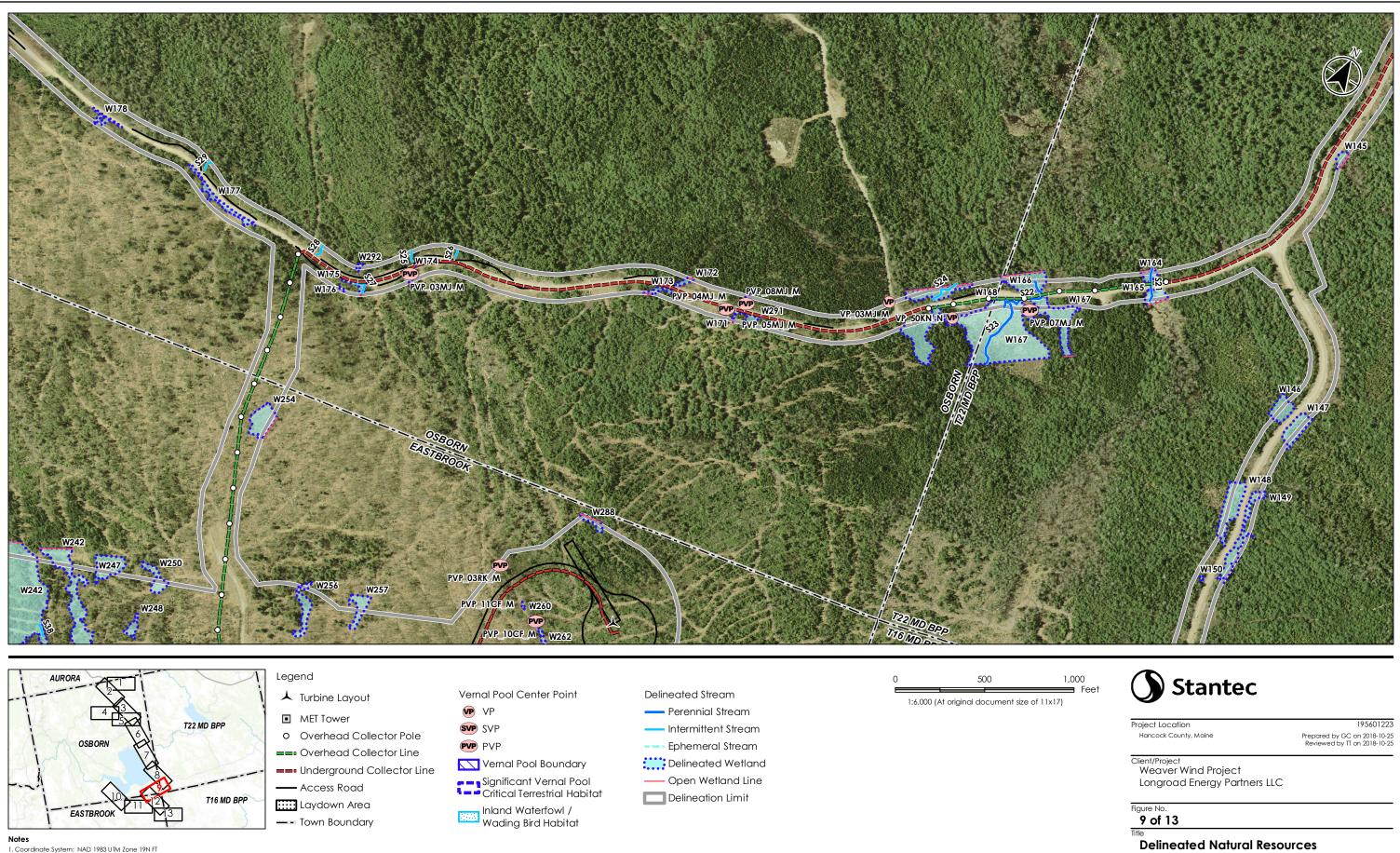
Project Location Hancock County, Maine

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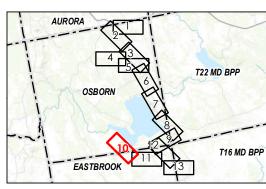
Figure No. 8 of 13

^{1.} Coordinate System: NAD 1983 UTM Zone 19N FT 2. Orthoimagery: Maine Orthoimagery 2014



^{1.} Coordinate System: NAD 1983 UTM Zone 19N FT 2. Orthoimagery: Maine Orthoimagery 2014





- ★ Turbine Layout
- MET Tower
- Overhead Collector Pole
- ---- Overhead Collector Line
- **---** Underground Collector Line
- Access Road Laydown Area
- Town Boundary

Vernal Pool Center Point

SVP SVP

PVP PVP

VP VP

📉 Vernal Pool Boundary

Inland Waterfowl / Wading Bird Habitat

Significant Vernal Pool Critical Terrestrial Habitat

- ---- Perennial Stream
 - ---- Intermittent Stream

Delineated Stream

- ---- Ephemeral Stream
- Delineated Wetland
- ---- Open Wetland Line
- Delineation Limit

1:6,000 (At original document size of 11x17)

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Notes

1. Coordinate System: NAD 1983 UTM Zone 19N FT 2. Orthoimagery: Maine Orthoimagery 2014

1,000 **----** Feet

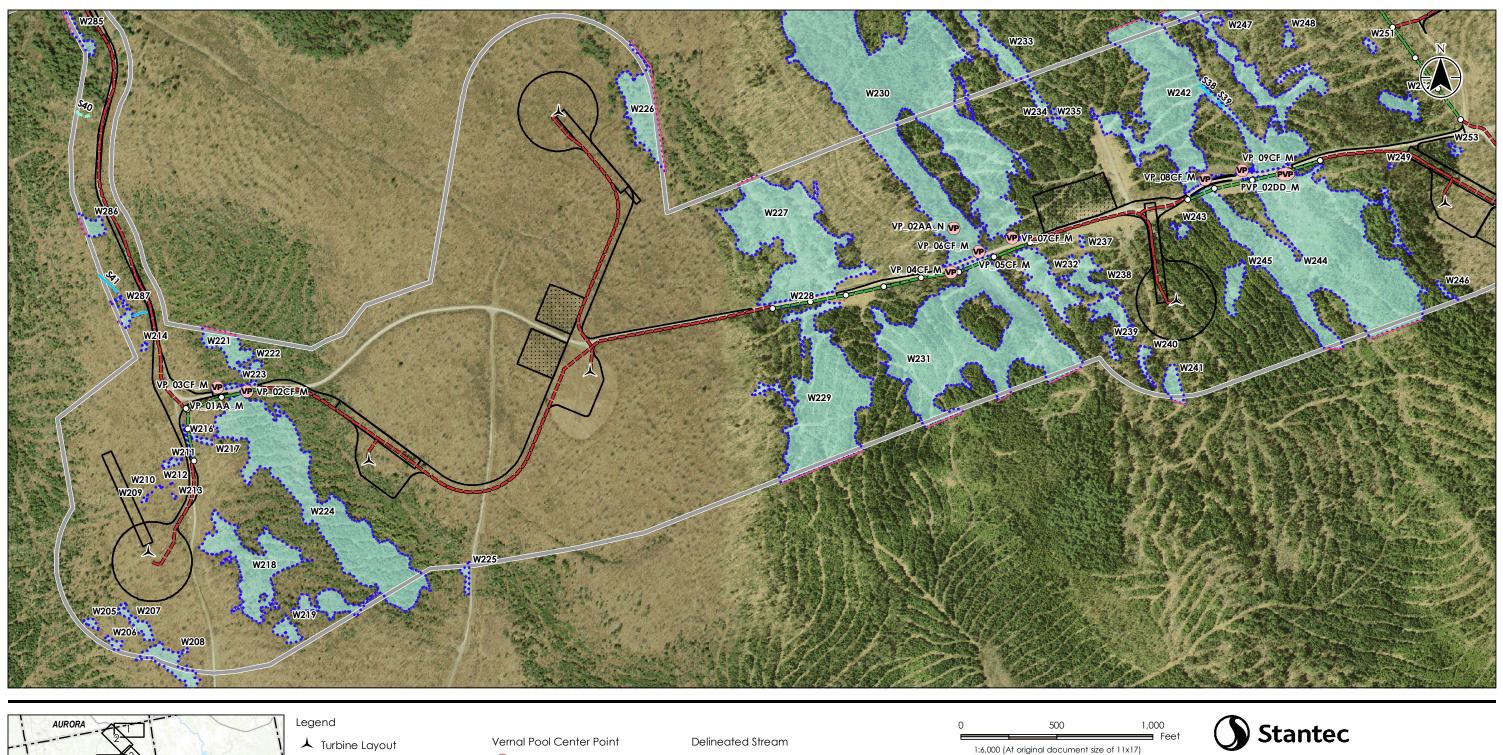


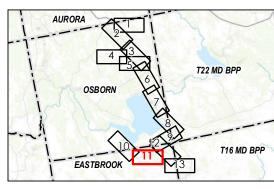
Project Location Hancock County, Maine

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Client/Project Weaver Wind Project Longroad Energy Partners LLC

Figure No. 10 of 13 Title





- MET Tower
- Overhead Collector Pole
- ---- Overhead Collector Line
- **---** Underground Collector Line Access Road
- Laydown Area - Town Boundary

SVP SVP

PVP PVP

- VP VP

📉 Vernal Pool Boundary

Inland Waterfowl / Wading Bird Habitat

Significant Vernal Pool Critical Terrestrial Habitat

- - - ---- Perennial Stream
 - ---- Intermittent Stream
 - ---- Ephemeral Stream
 - Delineated Wetland
 - ----- Open Wetland Line
 - Delineation Limit

Notes

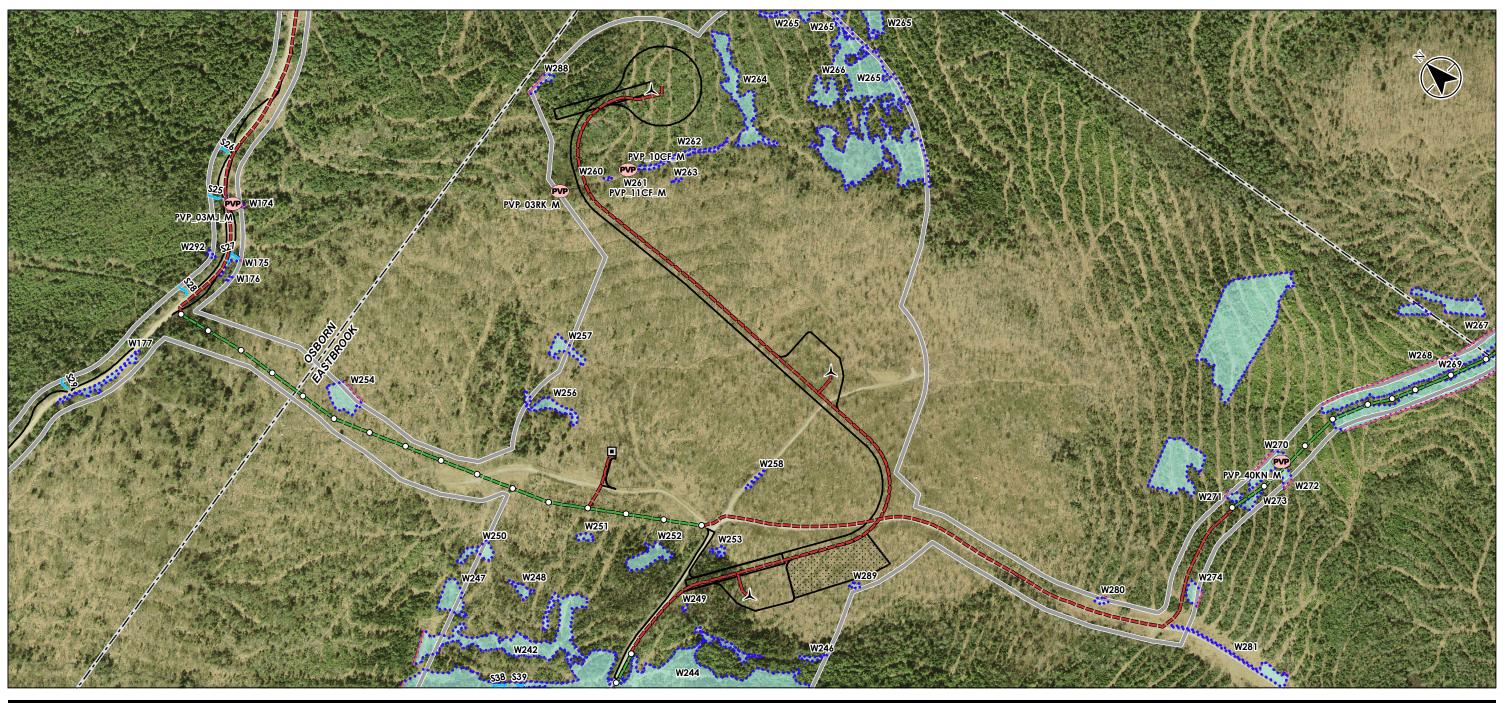
Project Location Hancock County, Maine

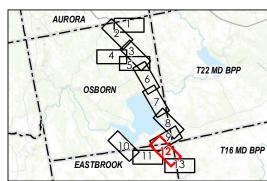
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Client/Project Weaver Wind Project Longroad Energy Partners LLC

Figure No. 11 of 13

^{1.} Coordinate System: NAD 1983 UTM Zone 19N FT 2. Orthoimagery: Maine Orthoimagery 2014





- ★ Turbine Layout
- MET Tower
- Overhead Collector Pole
- ---- Overhead Collector Line
- **---** Underground Collector Line
- Access Road Laydown Area

- Town Boundary

Significant Vernal Pool Critical Terrestrial Habitat

VP VP

SVP SVP

PVP PVP

Inland Waterfowl / Wading Bird Habitat

📉 Vernal Pool Boundary

Vernal Pool Center Point

Delineated Stream

- ---- Perennial Stream
- ---- Intermittent Stream
- ---- Ephemeral Stream
- Delineated Wetland
- ---- Open Wetland Line Delineation Limit

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Notes 1. Coordinate System: NAD 1983 UTM Zone 19N FT 2. Orthoimagery: Maine Orthoimagery 2014 1,000 Feet



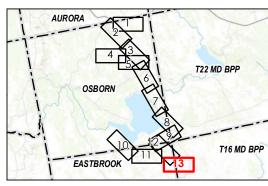
Project Location Hancock County, Maine

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Client/Project Weaver Wind Project Longroad Energy Partners LLC

Figure No. 12 of 13





- ★ Turbine Layout
- MET Tower
- Overhead Collector Pole
- ---- Overhead Collector Line
- **---** Underground Collector Line
- Access Road Laydown Area
- Town Boundary

- Vernal Pool Center Point
- VP VP

📉 Vernal Pool Boundary

Significant Vernal Pool Critical Terrestrial Habitat

Inland Waterfowl / Wading Bird Habitat

SVP SVP

PVP PVP

- ---- Perennial Stream ---- Intermittent Stream
 - ---- Ephemeral Stream

Delineated Stream

- Delineated Wetland
- ---- Open Wetland Line
- Delineation Limit

1:6,000 (At original document size of 11x17)

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Notes

1. Coordinate System: NAD 1983 UTM Zone 19N FT 2. Orthoimagery: Maine Orthoimagery 2014

1,000 **----** Feet



Project Location Hancock County, Maine

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Client/Project Weaver Wind Project Longroad Energy Partners LLC

Figure No. 13 of 13

Wetland					Stream							
ID W001	PFO	PSS X	PEM	PUB	ID	P	I	E	VP/ABA ID	P-WL1	WSS	Notes
W002	Х	Λ										
W003	D		Х						VP_52KN_N PVP_02RK_M			
W004	D		Х						PVP_12KN_M			
W005	Х								PVP_01JL_M			
									PVP_01RK_M PVP_07KN_M			
									PVP_31KN_M			
14/00/		N N							PVP_32KN_M			
W006 W007	D	Х	Х						SVP_53KN_N	Н		
W008	Х											
W009 W010	D X	Х	Х						DVD 20KNL MA			
W010 W011	D	Х							PVP_30KN_M PVP_15KN_M			
W012	D	Х										
W013 W014	X X											
W014 W015	^	Х										
W016	Х											
W017 W018	Х		Х									
W018 W019	X											
W020	Х											
W021 W022	D		X X		SO1			Х	PVP_33KN_M	R		
W023			Х						PVP_34KN_M			
W024	D		Х									
W025 W026		Х	Х						PVP_35KN_M			
W020	D	Λ	Х									
W028	Х											
W029 W030	Х		Х									
W030	X				S02		Х			R		
W032		Х										
W033 W034		Х	Х									
W035		X							PVP_07JL_M			
W036		Х							PVP_08JL_M			
W037 W038	Х		Х									
W039	X											
W040		Х										
W041 W042	Х		Х						PVP_24KN_M			
W042 W043			X									
W044	Х									_		
W045 W046	X D	Х			S03	Х				R		
W040	X	Λ										
W048	Х				S05	Х				R		
W049 W050	X X				\$05	Х				R		
W050	X											
W052	D	Х										
W053 W054	Х	D X										
W054 W055		^	Х									
W056	D	Х										
W057 W058	X X				S06	Х				R, H		IWWH
W058 W059	X D	Х			S06	<u>х</u> Х				к, н R, Н		IWWH
W060			Х			~			SVP_63KN_N	Н		
W061		D	Х		S08	Х				R, H, E		IWWH
W062			D	Х	S09			Х		H, E		IWWH
W062 W063	Х			Λ						· · ·, L		
W064	Х											
W065 W066	Х		Х						PVP_22KN_M			
W066 W067	X											
W068			Х						PVP_23KN_M			
W069 W070	X X								VD EQUAL AL			
**0/0	~								VP_59KN_N VP_60KN_N			
									VP_61KN_N			
W071			Х									
W072 W073	Х	Х	D									
W074	X			<u> </u>								
W075	Х											
W076 W077	X X											
,,0//	^								l			1

Wetland ID	PFO	PSS	PEM	PUB	Stream ID	P	1	Е	VP/ABA ID	P-WL1	WSS	Notes
W078	X					•	-	_	,			
W079	D	Х										
W080		Х										
W081 W082	D X	Х										
W082	X				S10		Х		VP_58KN_N	R		
W084	X											
W085	Х								PVP_03CF_M			
									VP_65KN_N			
W086	X											
W087 W088	X X											
W088	^		Х							Н		IWWH
W090	Х		~							11		
W091	X			D								IWWH
W092	Х	D	D							Н		IWWH
W093	Х			D						Н		IWWH
W094	Х	D	D							Н		IWWH
W095			X									
W096 W097	Х		Х						VP_62KN_N			
W098	~	Х							VP_64KN_N			
W099	Х	~										
W100	Х				S13		Х			R		
					S14		Х					
W101	Х				\$12		Х			R		
					\$13 \$14		X					
W102	Х				S14		Х					
W102 W103	X											
W104		Х										
W105			Х						PVP_09KN_M			
W106		Х										
W107	D	Х										
W108	Х											
W109 W110	Х	D X			S15	Х				R		
W110		X			\$15 \$15	X				R		
W112		X			0.0							
W113	Х											
W114	Х											
W115	D		Х						PVP_21KN_M			
W116	X				<u> </u>	V				D		
W117 W118	X X				\$16 \$16	X X				R R		
W110	X				510	~				ĸ		
W120	X											
W121	Х											
W122	Х									Н		
W123	Х											
W124	Х											
W125 W126	Х		Х									
W120 W127		Х	~	D					PVP_07CF_M			
W128		X										
W129		X	L						PVP_06CF_M			
W130	Х											
W131	Х											
W132 W133	Х	~	ļ						VP_57KN_N			
W133 W134	Х	Х							PVP_20KN_M			
W134	X		1									
W136		Х										
W137		Х							PVP_19KN_M			
W138		Х							PVP_18KN_M			
W139		Х										
W140	X X				S18	v				П		
W141 W142	Λ	Х			১।Ծ	Х			<u> </u>	R		
W142 W143		X	D									
W144		Х	_									
W145	D	Х										
W146	D	Х										
W147	X	v										
W148 W149	D D	X X	Х						VP_51KN_M			
W149 W150	U	X X							VP_02AA_M VP_03AA_M			
W150 W151	Х	^							<u>, , _007√∧_</u> /vi			
W152	X		D									
W153	X		D									
W154	Х											
W155	Х	D	D									
W156	Х]							
W157	Х	D	D	Х				ļ	PVP_04AA_M			
W158	Λ	U							1			

Wetland ID	PFO	PSS	PEM	PUB	Stream ID	Р	I	E	VP/ABA ID	P-WL1	WSS	Notes
W159 W160	D	X X	D									
W160 W161	D	X	D									
W162	D	~	Х									
W163					S20		Х			R		
W164	Х				S21	Х				R		
W165	D X		Х		\$21	X X				R R		
W166 W167	X	Х	Х		\$22 \$22	<u>х</u> Х			VP_50KN_N	R		
•••••	~	^	~		\$23	<u>х</u>			PVP_07MJ_M	ĸ		
W168	Х				\$23 \$24		Х			R		
W169		D	D						VP_03MJ_M			
W170			Х						PVP_08MJ_M			
W171		D	D						PVP_04MJ_M			
14170	X								PVP_05MJ_M			
W172 W173	X D		Х									
W173 W174	D		X						PVP_03MJ_M			
W175	D		X		S27		Х		PVP_01MJ_M	R		
W176			X									
W177		Х	D									
W178		Х	D									
W179	Х											
W180		D	D						PVP_02MJ_M			
W181 W182	D		X X		├───							
W182 W183	D	ļ	X		┨			<u> </u>	+			
W185 W184	X	ļ	~		\$34		Х		<u> </u>	R		
W185	D		Х		\$34		X			, N	R	
W186	D		Х									
W187		Х										
W188	Х				S35	Х					R	
W189	D	Х			\$35	Х					R	
W190	Х	X			\$36	Х					R	
W191 W192		X D	Х									
W192 W193		X	^									
W194	D	X										
W195	D	Х										
W196	Х								VP_55KN_N			
									VP_56KN_N			
W197	Х											
W198 W199	X											
W199 W200	X X											
W200	X											
W202	X											
W203	Х								PVP_10JL_M			
W204	Х											
W205		Х										
W206	N/	Х										
W207 W208	X											
W208 W209	X X											
W210	Λ	Х										
W210		X							1			
W212			Х									
W213		Х										
W214			X]							
W215			X						VP_01MJ_M			
W216 W217			X X		┼───┤							
W217 W218	D	D	~									
W210	X							<u> </u>	1			
												Man-made vernal pool
W220		Х							03CF			identified in 2009
W221	Х											
W222	Х											
W223		Х	D									Man-made vernal pool
W224	D	Х							01AA			identified in 2009 Man-made vernal pool
									02CF			identified in 2009 Man-made PVP identified in
W225			Х						02TT			2009
W226	D	Х										
W227	Х											
W228 W229	D	Х	X D									
W230	D	D	х						05CF			Man-made vernal pool identified in 2009
									06CF			Man-made vernal pool identified in 2009
												Natural vernal pool identified in
									02AA			2009

Wetland ID	PFO	PSS	PEM	PUB	Stream ID	Р	1	E	VP/ABA ID	P-WL1	wss	Notes
						-	-		07CF			Man-made vernal pool identified in 2009
W231	D	х	х						04CF			Man-made vernal pool identified in 2009
W232	D	D	X						0.01			
W233			Х									
W234	Х											
W235*	Х											
W237		Х	D									
W238	D	D	Х									
W239	D	Х	Х									
W240			Х									
W241	D		Х									
W242	D	х	х		\$38		х		08CF		R	Man-made vernal pool identified in 2009
					\$39		х		09CF			Man-made vernal pool identified in 2009
									01MG			Man-made vernal pool identified in 2009
W243	D	Х	Х						-	1		
W244	D	х	х						02DD			Man-made PVP identified in 2009
W245	D	Х	Х									
W246		Х										
W247	Х	D										
W248	D		Х									
W249	Х											
W250		Х										
W251	Х											
W252	Х											
W253		Х										
W254*	Х											
W256		Х	D									
W257		Х	D									
W258			Х									
W259			Х						PVP_03RK_M			
W260			Х						PVP_11CF_M			
W261			X						PVP_10CF_M			
W262			X X									
W263	V		×									
W264 W265	X D	х	x						11CF			Man-made vernal pool identified in 2009
11200		A							02MG			Man-made vernal pool identified in 2009
W266	Х								021010			
W267	X						<u> </u>		<u> </u>	<u> </u>		
W268	X								1			1
W269	X							 				
W270	X								PVP_40KN_M			new, manmade roadside ditch
W271	X						ļ		 	ļ		
W272 W273	X							<u> </u>				l
W273 W274	X X											
W274 W275	D	Х							<u> </u>			1
W275 W276	X	^						<u> </u>	 			1
W278 W277	X			<u> </u>			<u> </u>		<u> </u>	<u> </u>	}	
W278	X								1			
W279	X											
W280	~		Х				<u> </u>			<u> </u>		
W281	ļ		X				1	1	1	1		1
W282	Х						1	1	1	1		
W283	X		 				<u> </u>	+	+	<u> </u>		

W283	Х							
W284 W285	Х							
W285	Х							
W286 W287	Х							
W287	Х			S41	Х		R	
W288 W289	Х							
W289		Х						

*Wetland ID numbers W236 and W255 are skipped by intention

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P-WL1 and Wetland of Special Significance (WSS) designations: R

Located within 25 feet of a river, stream or brook

Wetland includes a mapped significant wildlife habitat or potential significant wildlife habitat

Wetland includes 20,000 square feet or more of open water or emergent marsh vegetation

Note some wetlands include one or more of the above criteria

Stream ID	Associated Wetland ID	P	ow Regin	E	Top of Bank Width (Ft.)	Orainary Highwater Mark Width (Ft.)	water Depth at Survey (Ft.)	Substrate	Additional Notes
SO1	W021			Х	2.5	1.5	0.1	cobble, gravel, mud	
S02	W031		Х		3	2	0.2	cobble, gravel, mud	
S03	W045	Х			6	4	0.3	gravel, boulder	
000	No	~			<u> </u>	•	0.0	914101, 2001401	
	associated								
504	wetland	V				4	0.0		
S04		X			6	4	0.3	gravel, boulder	
S05	W048, W049	Х			8	4	0.3	gravel, boulder	
S06	W058, W059	Х			10-25	4-8	0.4-2.5	silt, gravel, boulder	Hopper Brook
	No								
	associated								
S07	wetland	Х			8	4	0.5	silt, cobble, boulder	
S08	W061	X			12	8	0.25	gravel, cobble, mud	Leighton Brook
S00	W061	Λ		Х	4	3	0.20	gravel, cobble, mud	Leighten block
307	**001			~	4	5	0	silt, cobble, gravel,	
<u> </u>			V		1 /	1.0	0105	_	
S10	W083		Х		1-6	1-3	0.1-0.5	organic	
	No								
	associated								
S11	wetland	Х			10	6	0.5	cobble, gravel	Leighton Brook
\$12	W100, W101		Х		2	2	0.2	gravel, cobble, boulders	
\$12 \$13	W100, W101		X		2	2	0.2	gravel, cobble, boulders	1
\$13 \$14	W100, W101		X		1	∠1	0.3	gravel, cobble, boulders	
		~~~~	^						
S15	W110, W111	X	ļ		3.5	1.5	0.25	cobble, gravel	
S16	W117, W118	Х			6	4	0.25	silt, detritus, boulder	
	No								
	associated								
S17	wetland	Х			30	25	2	boulder, cobble, gravel	East Branch Union River
\$17 \$18	W141	X			1	1	0.25	silt, gravel	
510	No	Λ			1	1	0.20		
	-								Not all atra area
	associated								Not all stream
S19	wetland		Х		_	—	—	-	characteristics available
									Colson Branch. Not all
									stream characteristics
S20	W163		Х			_	_	_	available
S20	W164, W165	V	~		12	11	2.5	gravel, silt, detritus	
		Х					2.5	0	
S22	W166, W167	Х			5	4		gravel, silt	
S23	W167	Х			6	5	0.75	gravel, silt	Garden Eden Brook
S24	W168		Х		4	2	0.1	gravel	
	No								
	associated								
S25	wetland		Х		5	5	0.5	boulder, gravel	
	No				-	-			
	associated								
607	wetland		v		1	1	0.05		
\$26			Х			-		boulder, sand	
S27	W175		Х		1	1	0.1	silt, cobble	
	No								
	associated								
S28	wetland		Х		5	5	1	gravel, cobble	1
	No					~	· · ·		1
	associated								1
000					_	~	0.07		1
S29	wetland		Х		3	3	0.25	gravel, cobble	
	No								1
	associated				1				
S30	wetland	Х			7	4	0.5	gravel, cobble	1
	No	- •			· ·				1
	associated				1				
001			.,		_	-	0.05		1
S31	wetland		Х		3	1	0.25	silt ,detritus	
	No				1				1
	associated								1
S32	wetland	Х			6	3	0.75	gravel, cobble	1
	No		$\vdash$			~	2 V		1
	associated								1
000					-	_	o o -	l	1
S33	wetland	Х			8	3		cobble, gravel	
S34	W184, W185		Х		6	2	0.5	gravel, cobble	
S35	W188, W189	Х			6	5	0.5	cobble, gravel, sand	
	W190	X			2.5	2.5		cobble, silt	1
	No								1
	associated								1
00-							~		
S37	wetland			Х	4-6	2-3	0	gravel, cobble, boulder	
S38	W242		Х		4	1.5	0.5	cobble	
S39	W242		Х		1	1	0.5	cobble	
/	No				<u> </u>	•			1
	associated								1
					-	-	a	I .	1
0.10				~ ~				Icand	1
S40 S41	wetland W287		Х	Х	2	2	0.25 0.5	sand gravel, sand, cobble	

	-	Description	Observation Date	Wood	Spotted Salamander	Blue-spotted salamander	Fairy	Notes
PoolID	Туре	Descriptor		Frog			Shrimp	Borrow pit. Wood trog tadpoles
VP_01MJ_M	VP	Man-made	7/8/2014	Ś	0	0	No	observed.
	PVP PVP	Man-made Man-made	7/9/2014	0	0	0	No	
	PVP	Man-made	7/10/2014 7/10/2014	0	0	0	No No	
	PVP	Man-made	7/10/2014	0	0	0	No	
	PVP	Man-made	7/10/2014	0	0	0	No	
VP_50KN_N	VP	Natural	5/1/2015	43	53	0	No	Additional visit on 5/13/15, IFW determined not significant: permanent inlet/outlet, permanent hydroperiod
PVP_07MJ_M	PVP	Man-made	7/10/2014	0	0	0	No	
VP_03MJ_M	VP	Man-made	7/11/2014	Ś	0	0	No	Borrow pit. Wood trog tadpoles observed.
PVP_08MJ_M	PVP	Man-made	7/11/2014	0	0	0	No	
VP_55KN_N	VP	Natural	5/5/2015	0	15	0	No	Additional visit on 5/14/15
VP_56KN_N	VP	Natural	5/5/2015	0	7	0	No	Additional visit on 5/14/15
VP_51KN_M	VP	Man-made	5/1/2015	116	14	1	No	Impoundment adjacent to road. Outlet from pool under road. Additional visit on 5/13/15
VP_02AA_M	VP	Man-made	7/18/2014	Ş	0	0	No	Wood frog tadpoles observed
VP_03AA_M	VP	Man-made	7/28/2014	Ś	0	0	No	Wood frog tadpoles observed
PVP_04AA_M	PVP	Man-made	7/28/2014	0	0	0	No	
VP_58KN_N	VP		5/6/2015	0	14	0	No	Additional visit on 5/14/15
PVP_07KN_M	PVP	Man-made	8/7/2014	0	0	0	No	
PVP_01JL_M	PVP	Man-made	8/7/2014	0	0	0	No	
PVP_01RK_M	PVP	Man-made	8/7/2014	0	0	0	No	
PVP_02RK_M	PVP	Man-made	8/7/2014	0	0	0	No	
PVP_09KN_M	PVP	Man-made	8/13/2014	0	0	0	No	
VP_59KN_N	VP	Natural	5/6/2015	0	7	0	No	Additional visit on 5/14/15
VP_60KN_N	VP	Natural	5/6/2015	0	7	0	No	Additional visit on 5/14/15
VP_61KN_N	VP	Natural	5/6/2015	0	11	0	No	Additional visit on 5/14/15
	PVP	Man-made	8/14/2014	0	0	0	No	
VP_52KN_N	VP		5/5/2015	0	2	0	No	Additional visit on 5/14/15
PVP_14KN_M	PVP	Man-made	8/15/2014	0	0	0	No	Additional visit on 5/14/15
VP_64KN_N	VP	Natural	5/6/2015	0	14	0	No	Additional visit on 5/14/15 Additional visit on 5/13/15
VP_62KN_N	VP PVP	Natural Man-made	5/6/2015 8/19/2014	0	12 0	0	No	
PVP_03CF_M VP_65KN_N	r v r VP	Natural	5/6/2015	0	17	0	No No	Additional visit on 5/14/15
SVP_53KN_N	SVP	Natural	5/5/2015	104	2	0	No	Additional visit on 5/13/15
VP_57KN_N	VP		5/5/2015	0	8	0	No	Additional visit on 5/13/15
PVP_06CF_M	PVP	Man-made	8/25/2014	0	0	0	No	
PVP_07CF_M	PVP	Man-made	8/25/2014	0	0	0	No	
	PVP	Man-made	8/25/2014	0	0	0	No	
	PVP	Man-made	8/25/2014	0	0	0	No	
	PVP	Man-made	8/25/2014	0	0	0	No	
 PVP_21KN_M	PVP	Man-made	8/26/2014	0	0	0	No	
PVP_22KN_M	PVP	Man-made	8/27/2014	0	0	0	No	
PVP_23KN_M	PVP	Man-made	8/27/2014	0	0	0	No	
PVP_24KN_M	PVP	Man-made	8/27/2014	0	0	0	No	
PVP_07JL_M	PVP	Man-made	8/28/2014	0	0	0	No	
PVP_08JL_M	PVP	Man-made	8/28/2014	0	0	0	No	
PVP_30KN_M	PVP	Man-made	9/23/2014	0	0	0	No	
PVP_31KN_M	PVP	Man-made	9/23/2014	0	0	0	No	
PVP_32KN_M	PVP	Man-made	9/23/2014	0	0	0	No	
PVP_33KN_M	PVP	Man-made	9/25/2014	0	0	0	No	
	PVP	Man-made	9/25/2014	0	0	0	No	
	PVP	Man-made	9/29/2014	0	0	0	No	
PVP_10CF_M	PVP	Man-made	10/2/2014	0	0	0	No	
	PVP	Man-made	10/2/2014	0	0	0	No	l
PVP_10JL_M	PVP	Man-made	10/7/2014	0	0	0	No	
PVP_03RK_M SVP_63KN_N	PVP SVP	Man-made Natural	10/16/2014 5/6/2015	0 146	0 98	0 13	No Yes	Additional visit on 5/14/15
	SVP PVP	Man-made	5/6/2015 11/21/2014	0	98	0	No	
	VP			-		-		Green frog tadpoles observed
01AA 02AA	VP VP	Man-made Natural	5/12/2009 5/12/2009	0	6	0	No No	
02AA 02CF	VP VP	Man-made	5/12/2009	0	<u> </u>	0	NO NO	
02CF 03CF	VP	Man-made	5/12/2009	3	0	0	NO	
04CF	VP	Man-made	5/12/2009	1	5	0	No	Wood frog tadpoles observed
04CF 05CF	VP	Man-made	5/12/2009	7	0	0	No	
06CF	VP	Man-made	5/12/2009	7	34	0	No	
07CF	VP	Man-made	5/12/2009	8	7	0	No	
07C1 08CF	VP	Man-made	5/12/2009	30	0	0	No	
		Man-made	5/12/2009	24	10	0	No	
	VP		-, -, -, -, -, -, -, -, -, -, -, -, -, -	<b>4</b> 7			No	
09CF	VP VP		5/12/2009	1	13	()	1.1(1)	
09CF 11CF	VP	Man-made	5/12/2009 5/12/2009	1	13 5	0		
09CF 11CF 01MG	VP VP	Man-made Man-made	5/12/2009	1 0 7	5	0	No	
09CF 11CF	VP	Man-made		1 0 7 0				

Weaver Wind Project MDEP Natural Resource Protection Act Application ATTACHMENT 9: SITE CONDITIONS REPORT

# Exhibit 9-2

Wetland Determination Forms



Northeast and Northcentral Region

	Maguar M/	ad Drain at					Ctorate a Drain at #	195600884		Data	10/15/14
Project/Site:	Weaver Wi	nu Project					Stantec Project #:	19000004		Date:	
Applicant:	First Wind									County:	Hancock
Investigator #1:				Investi	gator #2:					State:	Maine
Soil Unit:		nel 0-8%slopes					/I/WWI Classification:	Upland		Wetland ID:	W005_1
Landform:	Depression				al Relief:		~~ ~~~~	<b>D</b> /		Sample Point:	Upland
Slope (%):	5	Latitude:				0	-68.233056	Datum:		Community ID:	
Are climatic/hyd	drologic cond	ditions on the site ty	pical for	this time	of year?	(If no, expla			No	Section:	
Are Vegetation	$\Box$ , Soil $\Box$ ,	or Hydrology 🛛 sig	gnificantly	/ disturb	ed?		Are normal circumst		ť?	Township:	
		or Hydrology 🗆 na	iturally pr	oblemat	IC?		Yes	🗆 No		Range:	Dir:
SUMMARY OF											
Hydrophytic Ve	•			🗆 Yes				Hydric Soils			🗆 Yes 🗹 No
Wetland Hydrol	logy Present	?		Yes	🗹 No			Is This Samp	oling Point \	Nithin A Wetlan	nd? 🔲 Yes 🖉 No
Remarks:											
HYDROLOGY											
Wetland Hydr		ators (Check here if	findicato	re aro n	ot procon	t [] )					
Primary			mulcalu		Ji piesen	(Ľ)			Secondary:		
	A1 - Surface	Water			B9 - Wate	er-Stained	Leaves			B6 - Surface Soil	Cracks
	A2 - High Wa	ater Table			B13 - Aqu					B10 - Drainage P	
	A3 - Saturatio				B15 - Mar					B16 - Moss Trim	
	B1 - Water N				C1 - Hydr					C2 - Dry-Season	
	B2 - Sedimer B3 - Drift Dep						spheres on Living Roots			C8 - Crayfish Bur	rows isible on Aerial Imagery
	B4 - Algal Ma						duction in Tilled Soils			D1 - Stunted or S	
	B5 - Iron Dep				C7 - Thin					D2 - Geomorphic	
		on Visible on Aerial Ima			Other (Ex	plain in Re	marks)			D3 - Shallow Aqu	
	B8 - Sparsely	Vegetated Concave S	Surface							D4 - Microtopogra	
										D5 - FAC-Neutral	Test
Field Observat	tions:										
Surface Water	Present?	🗆 Yes 🗹 No	Depth:		(in.)			Watland Lly	drology Dr		Yes 🗹 No
Water Table Pr	esent?	🗆 Yes 🗹 No	Depth:	0	(in.)			Wetland Hye			res 🗹 no
Saturation Pres	sent?	🗆 Yes 🗹 No	Depth:	0	(in.)						
	ad Data (etra	am dauga monitoring	a wall aa	rial nhoto	e proviou	e inenacti	one) if available:		Ν/Δ		
	ed Data (stre	am gauge, monitoring	g well, ae	rial photo	s, previou	s inspecti	ons), if available:		N/A		
Remarks:	ed Data (stre	am gauge, monitoring	g well, ae	rial photo	s, previou	s inspecti	ons), if available:		N/A		
Remarks:	ed Data (stre	am gauge, monitorin	g well, ae	rial photo	s, previou	s inspecti	ons), if available:		N/A		
Remarks: SOILS	, , , , , , , , , , , , , , , , , , ,			•		•					
Remarks: SOILS Profile Descrip	Dtion (Describe to			the absence of		•	ons), if available:			=Pore Lining, M=Matrix)	
Remarks: SOILS Profile Descrip Top	otion (Describe to Bottom	the depth needed to document the inc	dicator or confirm	n the absence of Matrix	indicators.) (Typ	•	ion, D=Depletion, RM=Reduced Matrix, C	Mottles	Grains; Location: PL		Texture
Remarks: SOILS Profile Descrip	Dtion (Describe to		dicator or confirm	the absence of		•				=Pore Lining, M=Matrix)	(e.g. clay, sand, loam)
Remarks: SOILS Profile Descrip Top Depth 1	Depth Depth 0	the depth needed to document the inc Horizon 1	dicator or confirm	the absence of Matrix (Moist) NR	indicators.) (Typ	•	ion, D=Depletion, RM=Reduced Matrix, C	Mottles	Grains; Location: PL		
Remarks: SOILS Profile Descrip Top Depth	btion (Describe to Bottom Depth	the depth needed to document the inc	dicator or confirm	the absence of Matrix (Moist)	indicators.) (Typ	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C	Mottles %	Grains; Location: PL	Location	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam
Remarks: SOILS Profile Descrip Top Depth 1	Depth Depth 0	the depth needed to document the inc Horizon 1	dicator or confirm	the absence of Matrix (Moist) NR	indicators.) (Typ	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 	Mottles % 	Grains; Location: PL Type 	Location	(e.g. clay, sand, loam) Oi - organic/duff
Remarks: SOILS Profile Descrip Top Depth 1 0	Depth Depth 0 2	the depth needed to document the inc Horizon 1 2	dicator or confirm Color  10YR	Matrix (Moist) NR 6/2	indicators.) (Typ %  100	e: C=Concentral	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  	Mottles %  	Grains; Location: PL Type  	Location  	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam
Remarks: SOILS Profile Descrip Top Depth 1 0 2	Deption (Describe to Bottom Depth 0 2 11	the depth needed to document the inc Horizon 1 2 3	dicator or confirm Color  10YR 7.5YR	the absence of Matrix (Moist) NR 6/2 4/4	indicators.) (Typ %  100 100	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist)   	Mottles %   	Grains: Location: PL Type   	Location  	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam Stony fine sandy loam
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11	btion (Describe to Bottom Depth 0 2 11 15	the depth needed to document the inc Horizon 1 2 3 4	dicator or confirm Color  10YR 7.5YR 10YR	the absence of Matrix (Moist) NR 6/2 4/4 4/6	indicators.) (Typ %  100 100 100	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)    	Mottles %    	Grains: Location: PL Type   	Location    	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam Stony fine sandy loam fine sandy loam
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15	btion (Describe to Bottom Depth 0 2 11 15 17	the depth needed to document the inc Horizon 1 2 3 4 5	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4	indicators.) (Typ %  100 100 100 80	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)    NR	Mottles           %	Grains: Location: PL Type   D	Location    M	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam Stony fine sandy loam fine sandy loam very fine sandy loam
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15 	btion (Describe to Bottom Depth 0 2 11 15 17 	the depth needed to document the inc Horizon 1 2 3 4 5 	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y 	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4 	indicators.) (Typ %  100 100 100 80 	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist)    NR 	Mottles           %                             <20	Grains; Location: PL    D 	Location     M 	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam Stony fine sandy loam fine sandy loam very fine sandy loam 
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   	btion (Describe to Bottom Depth 0 2 11 15 17   	the depth needed to document the inc Horizon 1 2 3 4 5   	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y   	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4  	indicators.) (Typ %  100 100 100 80   	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)    NR    	Mottles           %	Grains: Location: PL   D     	Location    M   	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam Stony fine sandy loam fine sandy loam very fine sandy loam 
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric	btion (Describe to Bottom Depth 0 2 11 15 17   Soil Field In	the depth needed to document the inc Horizon 1 2 3 4 5 	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y   	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4   cators al	indicators.) (Typ %  100 100 100 80   e not pre	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)    NR    	Mottles           %                    <20	Grains; Location: PL   D       	Location    M     matic Soils ¹	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam Stony fine sandy loam fine sandy loam very fine sandy loam  
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric	btion (Describe to Bottom Depth 0 2 11 15 17   <b>Soil Field In</b> A1- Histosol	he depth needed to document the inc Horizon 1 2 3 4 5 	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y   	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4   cators an	indicators.) (Typ %  100 100 100 80   e not pre S8 - Polyn	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist)    NR    	Mottles %   <20        -	Grains; Location: PL Type   D   s for Proble A10 - 2 cm I	Location    M    matic Soils ¹ Vuck (LRR K, L, MLRA 1	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam Stony fine sandy loam fine sandy loam very fine sandy loam   
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric	btion (Describe to Bottom Depth 0 2 11 15 17   Soil Field In	he depth needed to document the inc Horizon 1 2 3 4 5       dicators (check he bipedon	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y   	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4    cators al	indicators.) (Typ %  100 100 100 80  - e not pre S8 - Polyn S9 - Thin	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)    NR    	Mottles %   <20        -	Grains; Location: PL Type   D   rs for Proble A10 - 2 cm I A16 - Coast	Location    M     matic Soils ¹	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam Stony fine sandy loam fine sandy loam very fine sandy loam   
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric	btion (Describe to Bottom Depth 0 2 11 15 17   Soil Field In A1- Histosof A2 - Histic Ef A3 - Black Hi A4 - Hydroge	he depth needed to document the inc Horizon 1 2 3 4 5   vdicators (check he bipedon stic n Sulfide	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y   	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4    cators al	indicators.) (Typ %  100 100 100 80   e not pre S8 - Polyn S9 - Thin F1 - Loam F2 - Loam	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist)    NR    I); w Surface (LRR R, MLRA 149B) ICØ (LRR R, MLRA 149B) Inineral (LRR K, L) Matrix	Mottles %	Grains; Location: PL    D    s for Proble A10 - 2 cm 1 A16 - Coast S3 - 5cm Mu S7 - Dark S0	Location    M   Muck (LRR K, L, MCRA1 Prairie Redox (LRR cky Peat of Peat ( Juface (LRR K, L, M)	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam Stony fine sandy loam very fine sandy loam very fine sandy loam  
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric	btion (Describe to Bottom Depth 0 2 11 15 17   Soil Field In A1- Histosol A2 - Histic Er A3 - Black Hi A4 - Hydroge A5 - Stratified	he depth needed to document the inc Horizon 1 2 3 4 5      dicators (check he bipedon stic n Sulfide d Layers	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y      ere if india	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4   cators an	indicators.) (Typ %  100 100 100 100 80   e not pre S8 - Polyn S9 - Thin F1 - Loar F3 - Deple F2 - Loar F3 - Deple	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR	Mottles %	Grains; Location: PL    D   s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mt S7 - Dark St S8 - Polyval	Location M M Muck (LRR K, L, MLRA 1 Prairie Redox (LRR Jcky Peat of Peat ( Jrdace (LRR K, L, M) ue Below Surface	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam fine sandy loam very fine sandy loam very fine sandy loam   
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric	btion (Describe to Depth 0 2 11 15 17   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplett	he depth needed to document the inc Horizon 1 2 3 4 5    idicators (check he bipedon stic on Sulfide b Layers ed Below Dark Surface	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y      ere if india	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4   cators al Cators al C	indicators.) (Typ %  100 100 100 80  e not pre S8 - Polyn S9 - Thin F1 - Loan F2 - Loan F3 - Deplb F6 - Redo	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR NR I); w Surface (LRR R, MLRA 149B) dineral (LRR R, MLRA 149B) dineral (LRR K, L) Matrix c rface	Mottles %	Grains; Location: PL    D   S for Proble A10 - 2 cm I A16 - Coast S3 - Scm MU S7 - Dark St S8 - Polyval S9 - Thin Da	Location M matic Soils ¹ Vluck (LRR K, L MLRA 1 Prairie Redox (LRR cky, Peat of Peat  ufface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M)	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam Stony fine sandy loam very fine sandy loam very fine sandy loam   
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric	btion (Describe to Bottom Depth 0 2 11 15 17   Soil Field In A1- Histosol A2 - Histic Er A3 - Black Hi A4 - Hydroge A5 - Stratifice A1 - Deplet A12 - Thick D	he depth needed to document the inc Horizon 1 2 3 4 5   r- r- r- r- r- r- r- r	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y      ere if india	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4  cators an Cators an Cato	indicators.) (Typ %  100 100 100 80   88 - Polyn S9 - Thin F1 - Loan F3 - Deplir F3 - Deplir F3 - Deplir F6 - Redc F7 - Deplir	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR NR J ): w Surface (LRR R, MLRA 149B) dineral (LRR K, L) Matrix ( frace Surface Surface	Mottles %	Grains: Location: PL    D   S for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mt S7 - Dark St S8 - Polyval S9 - Thin Da S9 - Thin Da	Location M M MUck (LRR K, L, MLRA 1 Prairie Redox (LRR Jcky Peat of Peat 1 Jrface (LRR K, L, M) ue Below Surface trk Surface (LRR K, L, M) anganese Masses	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam fine sandy loam very fine sandy loam very fine sandy loam    (LRR K, L, R) (LRR K, L, R)
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric	btion (Describe to Bottom Depth 0 2 11 15 17   Soil Field In A1- Histosol A2 - Histic Er A3 - Black Hi A4 - Hydroge A5 - Stratifier A12 - Thick D S1 - Sandy M	he depth needed to document the inc Horizon 1 2 3 4 5   dicators (check he bipedon stic en Sulfide J Layers ed Below Dark Surface bark Surface luck Mineral	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y      ere if india	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4  cators an Cators an Cato	indicators.) (Typ %  100 100 100 80  e not pre S8 - Polyn S9 - Thin F1 - Loan F2 - Loan F3 - Deplb F6 - Redo	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR NR J ): w Surface (LRR R, MLRA 149B) dineral (LRR K, L) Matrix ( frace Surface Surface	Mottles %	Grains; Location: Pl                                                                                                                             S3 - 5cm Mt           S9 - Thin Da           S12 - Iron-M           F19 - Piedm	Location M M Muck (LRR K, L, MLRA 1 Prairie Redox (LRR // LRR K, L, Ml CA // Tace (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) ue Below Surface ont Floodplain So	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam fine sandy loam very fine sandy loam very fine sandy loam   (LRR K, L, R) (LRR K, L, R)
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric 0 0 0 2 11 15  0 0 0 0 0 0 0 0 0 0 0 0 0	btion (Describe to Bottom Depth 0 2 11 15 17   Soil Field In A1- Histosof A2 - Histic Ef A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy G	he depth needed to document the inc Horizon 1 2 3 4 5   dicators (check he bipedon stic in Sulfide d Layers ed Below Dark Surface Dark Surface Nuck Mineral Sleyed Matrix	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y      ere if india	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4  cators an Cators an Cato	indicators.) (Typ %  100 100 100 80   88 - Polyn S9 - Thin F1 - Loan F3 - Deplir F3 - Deplir F3 - Deplir F6 - Redc F7 - Deplir	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR NR J ): w Surface (LRR R, MLRA 149B) dineral (LRR K, L) Matrix ( frace Surface Surface	Mottles %	Grains; Location: PL Type   D     s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mt S3 - 5cm Mt S3 - 5cm Mt S7 - Dark S1 S8 - Polyval S9 - Thin Da F12 - Iron-Mt T46 - Mesic	Location M M MUck (LRR K, L, MLRA 1 Prairie Redox (LRR Jcky Peat of Peat 1 Jrface (LRR K, L, M) ue Below Surface trk Surface (LRR K, L, M) anganese Masses	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam fine sandy loam very fine sandy loam very fine sandy loam   (LRR K, L, R) (LRR K, L, R)
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric	btion (Describe to Bottom Depth 0 2 11 15 17   Soil Field In A1- Histosol A2- Histic EF A3 - Black Hi A4 - Hydroge A5 - Stratifice A1 - Deplet A1 - Deplet A1 - Sandy M S4 - Sandy R S4 - Sandy R S4 - Sandy R S5 - Sandy R	he depth needed to document the inc Horizon 1 2 3 4 5   r- r- r- r- r- r- r- r	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y      ere if india	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4  cators an Cators an Cato	indicators.) (Typ %  100 100 100 80   88 - Polyn S9 - Thin F1 - Loan F3 - Deplir F3 - Deplir F3 - Deplir F6 - Redc F7 - Deplir	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR NR J ): w Surface (LRR R, MLRA 149B) dineral (LRR K, L) Matrix ( frace Surface Surface	Mottles %	Grains:         Location:         PI                D                  Start             Start                  Start             Start             Start             Start             Start             Start             Start             Start             Start             Start             Start             Start             Start             Start             Start             Start             Start             Start	Location    M     Muck (LRR K, L, MLRA 1 Prairie Redox (LRR Jcky Peat of Peat ( Urface (LRR K, L, M) ue Below Surface HS Urface (LRR K, L, M) ue Below Surface Inface (LRR K, L, M) anganese Masses ont Floodplain So Spodic (mLRA 144A, arent Material Shallow Dark Sur	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam fine sandy loam very fine sandy loam    (LRR K, L, R) (LRR K, L, R)
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric	btion (Describe to Bottom Depth 0 2 11 15 17   Soil Field In A1- Histosol A2- Histic EF A3 - Black Hi A4 - Hydroge A5 - Stratifice A1 - Deplet A1 - Deplet A1 - Sandy M S4 - Sandy R S4 - Sandy R S4 - Sandy R S5 - Sandy R	he depth needed to document the inc Horizon 1 2 3 4 5     idicators (check he bipedon stic on Sulfide 1 Layers ed Below Dark Surface bark Surface tuck Mineral Sleyed Matrix iedox	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y      ere if india	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4   cators an Cators an C	indicators.) (Typ %  100 100 100 80   88 - Polyn S9 - Thin F1 - Loan F3 - Deplir F3 - Deplir F3 - Deplir F6 - Redc F7 - Deplir	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR NR J ): w Surface (LRR R, MLRA 149B) dineral (LRR K, L) Matrix ( frace Surface Surface	Mottles %	Grains; Location: Pl           Type                                                                                                                                               S3 - 5cm Mt           F19 - Piedm           TA6 - Mesic           TF2 - Very           Other (Expla)	Location M M M Muck (LRR K, L, MLRA 1 Prairie Redox (LRR // L, M) ue Below Surface // LRR K, L, M] // LRR K, L M] //	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam fine sandy loam very fine sandy loam very fine sandy loam   (LRR K, L, R) (LRR K, L, R) (LR K, L) (LR
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric NRCS Hydric	btion (Describe to Bottom Depth 0 2 11 15 17   Soil Field In A1- Histosol A2- Histic EF A3 - Black Hi A4 - Hydroge A5 - Stratifice A1 - Deplet A1 - Deplet A1 - Sandy M S4 - Sandy R S4 - Sandy R S4 - Sandy R S5 - Sandy R	he depth needed to document the inc Horizon 1 2 3 4 5   r- r- r- r- r- r- r- r	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y      ere if india	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4   cators an Cators an C	indicators.) (Typ %  100 100 100 80   88 - Polyn S9 - Thin F1 - Loan F3 - Deplir F3 - Deplir F3 - Deplir F6 - Redc F7 - Deplir	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR NR J ): w Surface (LRR R, MLRA 149B) dineral (LRR K, L) Matrix ( frace Surface Surface	Mottles %	Grains; Location: Pl           Type                                                                                                                                               S3 - 5cm Mt           F19 - Piedm           TA6 - Mesic           TF2 - Very           Other (Expla)	Location    M     Muck (LRR K, L, MLRA 1 Prairie Redox (LRR Jcky Peat of Peat ( Urface (LRR K, L, M) ue Below Surface HS Urface (LRR K, L, M) ue Below Surface Inface (LRR K, L, M) anganese Masses ont Floodplain So Spodic (mLRA 144A, arent Material Shallow Dark Sur	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam fine sandy loam very fine sandy loam very fine sandy loam   (LRR K, L, R) (LRR K, L, R) (LR K, L) (LR
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric 0 0 0 0 0 0 0 0 0 0 0 0 0	btion (Describe to Bottom Depth 0 2 11 15 17  Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifier A11 - Deplett A4 - Hydroge S1 - Sandy M S4 - Sandy R S5 - Sandy R S6 - Stripped S7 - Dark Su	he depth needed to document the inc Horizon 1 2 3 4 5   idicators (check he bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic sturface Mureral bipedon stic sturface Mureral bipedon stic sturface Mureral bipedon stic stace Matrix rface (LRR R, MLRA 149B)	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y      ere if india	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4   cators al Cators al Cators al Cators al Cators al Cators al Cators al Cators al	indicators.) (Typ %  100 100 100 80   88 - Polyn S9 - Thin F1 - Loan F3 - Deplir F3 - Deplir F3 - Deplir F6 - Redc F7 - Deplir	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR NR J ): w Surface (LRR R, MLRA 149B) dineral (LRR K, L) Matrix ( frace Surface Surface	Mottles %	Grains: Location: PI Type   D   rs for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - Coast S3 - 5cm Mu S7 - Dark S3 S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm T46 - Mesic TF2 - Red P TF12 - Very Other (Expla	Location M matic Soils 1 Vluck (LRR K, L M.RA 1 Prairie Redox (LRR Cky Peat of Peat Utuck (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) Spodic (MLRA 144A, arent Material Shallow Dark Sur in in Remarks) tion and wetland hydrology	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam fine sandy loam very fine sandy loam             
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric 0 0 0 2 11 15   0 0 2 11 15   0 0 2 11 15   0 0 2 11 15   0 0 2 11 15   0 0 2 11 15   0 0 2 11 15   0 0 2 11 15   0 0 2 11 15   0 0 0 2 0 11 15   0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0	btion (Describe to Bottom Depth 0 2 11 15 17   Soil Field In A1- Histosol A2- Histic EF A3 - Black Hi A4 - Hydroge A5 - Stratifice A1 - Deplet A1 - Deplet A1 - Sandy M S4 - Sandy R S4 - Sandy R S4 - Sandy R S5 - Sandy R	he depth needed to document the inc Horizon 1 2 3 4 5   idicators (check he bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic sturface Mureral bipedon stic sturface Mureral bipedon stic sturface Mureral bipedon stic stace Matrix rface (LRR R, MLRA 149B)	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y      ere if india	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4   cators an Cators an C	indicators.) (Typ %  100 100 100 80   88 - Polyn S9 - Thin F1 - Loan F3 - Deplir F3 - Deplir F3 - Deplir F6 - Redc F7 - Deplir	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR NR J ): w Surface (LRR R, MLRA 149B) dineral (LRR K, L) Matrix ( frace Surface Surface	Mottles %	Grains: Location: PI Type   D   rs for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - Coast S3 - 5cm Mu S7 - Dark S3 S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm T46 - Mesic TF2 - Red P TF12 - Very Other (Expla	Location M matic Soils 1 Vluck (LRR K, L M.RA 1 Prairie Redox (LRR Cky Peat of Peat Utuck (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) Spodic (MLRA 144A, arent Material Shallow Dark Sur in in Remarks) tion and wetland hydrology	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam fine sandy loam very fine sandy loam very fine sandy loam   (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LR K, L) (LR
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric 0 0 0 0 0 0 0 0 0 0 0 0 0	btion (Describe to Bottom Depth 0 2 11 15 17   Soil Field In A1- Histosol A2 - Histic Er A3 - Black Hi A4 - Hydroge A5 - Stratifier A12 - Thick IC S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Su	he depth needed to document the inc Horizon 1 2 3 4 5   idicators (check he bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic bipedon stic sturface Mureral bipedon stic sturface Mureral bipedon stic sturface Mureral bipedon stic stace Matrix rface (LRR R, MLRA 149B)	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y       	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4   cators al Cators al Cators al Cators al Cators al Cators al Cators al Cators al	indicators.) (Typ %  100 100 100 80   88 - Polyn S9 - Thin F1 - Loan F3 - Deplir F3 - Deplir F3 - Deplir F6 - Redc F7 - Deplir	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR NR J ): w Surface (LRR R, MLRA 149B) dineral (LRR K, L) Matrix ( frace Surface Surface	Mottles %	Grains: Location: PI Type   D   rs for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - Coast S3 - 5cm Mu S7 - Dark S3 S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm T46 - Mesic TF2 - Red P TF12 - Very Other (Expla	Location M matic Soils 1 Vluck (LRR K, L M.RA 1 Prairie Redox (LRR Cky Peat of Peat Utuck (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) Spodic (MLRA 144A, arent Material Shallow Dark Sur in in Remarks) tion and wetland hydrology	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam fine sandy loam very fine sandy loam             
Remarks: SOILS Profile Descrip Top Depth 1 0 2 11 15   NRCS Hydric NRCS Hydric	btion (Describe to Bottom Depth 0 2 11 15 17   Soil Field In A1- Histosol A2 - Histic Er A3 - Black Hi A4 - Hydroge A5 - Stratifier A12 - Thick IC S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Su	he depth needed to document the inc Horizon 1 2 3 4 5   dicators (check he bipedon stic on Sulfide J Layers ed Below Dark Surface bark Surface Muck Mineral Sleyed Matrix redox I Matrix rface (LRR R, MLRA 149B) None	dicator or confirm Color  10YR 7.5YR 10YR 2.5Y     ere if indic	the absence of Matrix (Moist) NR 6/2 4/4 4/6 5/4   cators al Cators al Cators al Cators al Cators al Cators al Cators al Cators al	indicators.) (Typ %  100 100 100 80   88 - Polyn S9 - Thin F1 - Loan F3 - Deplir F3 - Deplir F3 - Deplir F6 - Redc F7 - Deplir	e: C=Concentrat	on, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR NR J ): w Surface (LRR R, MLRA 149B) dineral (LRR K, L) Matrix ( frace Surface Surface	Mottles %	Grains: Location: PI Type   D   rs for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - Coast S3 - 5cm Mu S7 - Dark S3 S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm T46 - Mesic TF2 - Red P TF12 - Very Other (Expla	Location M matic Soils 1 Vluck (LRR K, L M.RA 1 Prairie Redox (LRR Cky Peat of Peat Utuck (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) Spodic (MLRA 144A, arent Material Shallow Dark Sur in in Remarks) tion and wetland hydrology	(e.g. clay, sand, loam) Oi - organic/duff Stony fine sandy loam fine sandy loam very fine sandy loam             



Northeast and Northcentral Region

oject/Site: Weaver Wind Project				Wetland ID: W005_1 Sample Point Uplan
GETATION (Species identified in all uppercase are non-na	ative spe	cies.)		
e Stratum (Plot size: 10 meter radius)				
<u>Species Name</u>	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1. Picea rubens	70	Y	FACU	
2. Abies balsamea	10	Y	FAC	Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)
3. Thuja occidentalis	3	N	FACW	
4. Acer rubrum	2	Ν	FAC	Total Number of Dominant Species Across All Strata: 3 (B)
5				
6			1	Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)
7			1	
8				Prevalence Index Worksheet
9				Total % Cover of: Multiply by:
10				OBL spp. 0 $x 1 = 0$
Total Cover =	85			FACW spp. $6   x   2 =   12$
				FAC spp. 24 X 3 = 72
ling/Shrub Stratum (Plot size: 5 meter radius)				FACU spp. 95 x 4 = 380
1. Picea rubens	25	Y	FACU	$\frac{1}{\text{UPL spp.}}  0 \qquad \text{X 5} = 0$
2. Abies balsamea	10	Ň	FAC	
3. Thuja occidentalis	3	N	FACW	Total 125 (A) 464 (B)
4. Betula populifolia	2	N	FAC	
5				Prevalence Index = B/A = 3.712
6				
7				
8				Hydrophytic Vegetation Indicators:
9				
				□ Yes □ No Rapid Test for Hydrophytic Vegetation
10	 40			□ Yes
Total Cover =	40			□ Yes
				☐ Yes ☑ No Morphological Adaptations (Explain) *
b Stratum (Plot size: 2 meter radius)				Yes INO Problem Hydrophytic Vegetation (Explain) *
1				* Indicators of hydric soil and wetland hydrology must be
2				present, unless disturbed or problematic.
3				
4				Definitions of Vegetation Strata:
5				
6				Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7				height (DBH), regardless of height.
8				
9				Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10				tan.
11				
12				Herb - All herbaceous (non-woody) plants, regardless of size,
13				and woody plants less than 3.28 ft. tall.
14				
15				Woody Vines - All woody vines greater than 3.28 ft. in height.
Total Cover =	0			
ody Vine Stratum (Plot size: 10 meter radius)				
1				
2				
3				Hydrophytic Vegetation Present 🛛 Yes 🗹 No
4				
5	Total Cover = erved in herb stratum		Total Cover = 0	Total Cover = 0



Northeast and Northcentral Region

Projection: Viewer Wind Project : 19500084 Control Project : 19500084 Control Project : 197574 C		10/	and Desite at					Otanta a Dasia at II	40500004		Data	40/45/44
Investigator #1: Rod Keihaw         Investigator #2: Jeanna Leader:         Stel:         Maine           Landform:         Depression         Local Relie: Unear         Willword (Lassification: PPO)         Welland (Lassification: PPO)           Are chambal hytrichole:         Colling in the site procession         Local Relie: Unear         Draws         Community (Direct Activity and the site procession)			nd Project					Stantec Project #:	195600884		Date:	10/15/14
Soil Unit:       Markov basels 2-15% acpase       NVWWV/Classification:       FPC       Supper Soil Constraints       Supper Soil Constra											-	
Landom       Depression       Local Relief: Linear       Surgits Pair:       Camedian Pai	U	Rod Kelsha	IW		Investi	gator #2:					State:	
Slope (S):       0.5       Latitude: 44.825773       Longitude: 06823056       Datum:       Communy (D:         Are Vagetation ():       Soli ():       of Hydrologic conditions on the alle bydcial Child Bill of Alle Child Bill Bill Of Alle Child Bill Bill Of Alle Child Bill Bill Of Alle Child Bill Of Alle Child Bill Bill Bill Of Alle Child Bill Bill Bill Bill Bill Bill Bill B	Soil Unit:	Marlow Dixfie	ld 3-15% slopes					/I/WWI Classification:	PFO		Wetland ID:	W005_1
Are degration of the site bypical for the time of year? are region memories       Yes       No       Terminitian in the site bypical for the time of year?       Yes       No         Are Vegatation ()       Solid ()       of Hydrology ()       instrumentality problematic?       Yes       No       Hydrology ()       Yes ()       No       Hydrology ()       Hydrology ()       Hydrology ()       Hydrology ()       Hydrology ()       Hydrology ()       <	Landform:	Depression			Loc	al Relief:	Linear				Sample Point:	Wetland
Are Vegetation [. Sol] or Productory is spinificantly discublenatio?       Are normal circumstances present?       Township:	Slope (%):	0-3	Latitude:	44.8257	73	Lc	ongitude:	-68.233056	Datum:		Community ID:	
Are vegetation [: Soli] _ or Hydrology _ significantly disturbed?       Are normal circumstances present?       Towersige	Are climatic/hyd	drologic conc	litions on the site ty	pical for	this time	of year?	(If no, expla	iin in remarks)	🗹 Yes 🛛	No	Section:	
Are Vegetation (), Sull _, or Hydrology  : naturally problematic?       If Yes       No       Range:									ances present	t?	Township:	
SUMMARY OF FINITINGS         Control         Contre         Control <thcontrol< th=""></thcontrol<>								Yes	□ No .			Dir:
Hydrophylor Vegetation Present?       Yes       No       Hydro Solis Present?       Yes       No         Remarks:       Is This Sampling Point Within A Wetland?       Yes       No         Wetland Hydrophylor Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yes       No         Wetland Hydrophylor Indicators (Check here if indicators are not present       ):       Secondary:       B - Surface Soil Cracks       B - Surface S				tarany pr	obioinat				-		r tango.	2
Wetland Hydrology Present?         Vos         Is Tries Sampling Point Within A Wetland?         Vos         No           Remarks:			aant?						Hudria Saila	Drocont?		
Remarks:         HVGELoady         Welland Hydrology Indicators (Check here if indicators are not present       ):         Bits - Surface Water       Bits - Aquate Stamed Leaves         Bits - Surface Water       Bits - Aquate Stamed Leaves         Bits - Surface Water       Bits - Aquate Stamed Leaves         Bits - Surface Water       Bits - Aquate Stame Compose Surface												
Secondar:         Multicators (Check here if indicators are not present       ):         Multicators (Check here if indicators are not present       ):         Multicators (Check here if indicators are not present       ):         Multicators (Check here if indicators are not present       ):         Multicators (Check here if indicators are not present       ):         Multicators (Check here if indicators are not present       ):         Multicators (Check here if indicators are not present       ):         Multicators (Check here if indicators are not present)       ):         Multicators (Check here if indicators are not present)       ):         Multicators (Check here if indicators are not present)       ):         Multicators (Check here if indicators are not present)       ):         Multicators (Check here if indicators are not present)       ):         Multicators (Check here if indicators are not present)       ):         Multicators (Check here if indicators are not present)       ):         Multicators (Check here if indicators are not present)       ):         Multicators (Check here if indicators are not present)       ):         Multicators (Check here if indicators are not present)       ):         Multicators (Check here if indicators are not present)       ):         Multicators (Check here if indincators a		logy Present	!		le res				is this Samp	Ding Point	within A wetian	d? ⊡ res = No
Wetland Hydrology Indicators (Check hore if indicators are not present B* - Water Stained Lawes B* - Water Stained Lawes B* - Water Stained Lawes B* - Surface Stained Lawes	Remarks:											
Wetland Hydrology Indicators (Check hore if indicators are not present B* - Water Stained Lawes B* - Water Stained Lawes B* - Water Stained Lawes B* - Surface Stained Lawes												
Printing:       B9 - Water-Sained Leaves       Secondary         B2 - Source Water       B9 - Water-Sained Leaves       B1 - Against Fauna         B3 - Against Fauna       B9 - Water-Sained Leaves       B1 - Against Fauna         B2 - Source Water       B9 - Water-Sained Leaves       B1 - Against Fauna         B2 - Source Water       B9 - Water-Sained Leaves       B1 - Against Fauna         B2 - Source Water       B9 - Water-Sained Leaves       B1 - Against Fauna         B2 - Source Water       Ca - Orizond Philosophile Reading       Ca - Orizond Philosophile Reading         B3 - Shallow Against Gorce-Suint Construction In Remonks       Ca - Presence OR Recorded Ton       Ca - Source Philosophile Reading         B3 - By Shallow Against Gorce-Suint Construction Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Profile Description       Depth:       (in, i)       Wetland Hydrology Present?       Ves       No         Cols       Bating Construction Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA       No         Peoph       Depth       Ofor       Motifies       Color (Moist)       %       Color (Moist)       %       To your Color Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Profile Descri	HYDROLOGY											
Printing:       B9 - Water-Sained Leaves       Secondary         B2 - Source Water       B9 - Water-Sained Leaves       B1 - Against Fauna         B3 - Against Fauna       B9 - Water-Sained Leaves       B1 - Against Fauna         B2 - Source Water       B9 - Water-Sained Leaves       B1 - Against Fauna         B2 - Source Water       B9 - Water-Sained Leaves       B1 - Against Fauna         B2 - Source Water       B9 - Water-Sained Leaves       B1 - Against Fauna         B2 - Source Water       Ca - Orizond Philosophile Reading       Ca - Orizond Philosophile Reading         B3 - Shallow Against Gorce-Suint Construction In Remonks       Ca - Presence OR Recorded Ton       Ca - Source Philosophile Reading         B3 - By Shallow Against Gorce-Suint Construction Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Profile Description       Depth:       (in, i)       Wetland Hydrology Present?       Ves       No         Cols       Bating Construction Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA       No         Peoph       Depth       Ofor       Motifies       Color (Moist)       %       Color (Moist)       %       To your Color Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Profile Descri	Wetland Hydr	ology Indica	ntors (Check here if	f indicato	ors are no	ot presen	t 🗆 )					
A1 - Surface Water       B3 - Aquale Stained Leaves       B3 - Surface Sained Leaves         B3 - High Water Table       B3 - Aquale Stained Stained       B3 - Aquale Stained Stained         B3 - Mainer Stained Leaves       B3 - Aquale Stained Stained       B3 - Aquale Stained Stained         B3 - Mainer Stained       B3 - Aquale Stained Stained       B3 - Aquale Stained Stained Stained         B3 - Mainer Stained       B3 - Mainer Stained       B3 - Mainer Stained         B3 - Mainer Stained       C - Thin Mack Staface Stained Stained Aguated       C - Copy-Stained Valued or Strassed Plantangery         B3 - Sparsely Vagetated Concave Strates       C - Thin Mack Staface       D - Stained Aguated         B4 - Mainer Stained Concave Strates       C - Thin Mack Staface       D - Stained Aguated         B4 - Mainer Stained Concave Strates       C - Thin Mack Strate       D - Stained Aguated         B5 - Staface Stainer Stainer       Motoretoporgraphic Relief       D - Stainer Stainer         B4 - Motoretoporgraphic Relief       D - Stainer Stainer       NA - Motoretoporgraphic Relief         Describ Recorded Data (stream gauge, monitoring well, aertal photos, previous inspections), if available:       N/A         Profile Description       Matrix       Mottles       Mottles         Top       Depth       Horizon       Color (Moist)       %       Type       Loccatin				maioato			,			Secondary:		
A3 - Situration       B15 - Mirl Deposits       B16 - Mird Deposits       B16 - Mird Deposits         B2 - Settiment Deposits       C3 - Oxidized Rhizospheres on Living Roots       C3 - Oxidized Rhizospheres on Living Roots       C3 - Oxidized Rhizospheres on Living Roots         B3 - Saturation Visible on Arrial Imagery       C3 - Oxidized Rhizospheres on Living Roots       C3 - Oxidized Rhizospheres on Living Roots       C3 - Oxidized Rhizospheres on Living Roots         B4 - Mire Material Table Present?       Wet Imagery       C3 - Oxidized Rhizospheres on Living Roots       D3 - Shatlow Aquiration         Field Observations:       Staturation Table on Arrial Imagery       D4 - Microtopographic Relief       D5 - Shatlow Aquiration         Surface Water Present?       Yes       No       Depth:       0 (in.)         Saturation Present?       Yes       No       Depth:       0 (in.)         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       N/A         Profile Description       Matrix       Mottlas       Mottlas         Top       Dopth       Horizon       Color (Moist)       %       Type       Location (e.g. clay, sand, loam)         0       22       1       NRE       Color (Moist)       %       Type       Location (e.g. clay, sand, loam)         0       22       1 <td></td> <td></td> <td>Water</td> <td></td> <td></td> <td>B9 - Wate</td> <td>er-Stained</td> <td>Leaves</td> <td></td> <td></td> <td>B6 - Surface Soil</td> <td>Cracks</td>			Water			B9 - Wate	er-Stained	Leaves			B6 - Surface Soil	Cracks
B1 - Water Marks       C - Hydrogen Sulfide Odor       C - Cory-Season Water Table         B2 - Sedimer No Deposits       C - Projesence of Reduced Iron       C - Projesence of Reduced Iron         B3 - Drift Deposits       C - Projesence of Reduced Iron       C - Projesence of Reduced Iron         B3 - Drift Deposits       C - Projesence of Reduced Iron       C - Projesence of Reduced Iron         B4 - Algal Mar C Yuste on Aerial Imagery       C - Projesence of Reduced Iron       D - Secure Surface         B4 - Opposits       C - Projesence of Reduced Iron       D - Secure Surface         B4 - Sediment Visible on Aerial Imagery       D - Secure Surface       D - Secure Surface         B4 - Opposits       C - Projesence of Reduced Iron       D - Secure Surface         Surface Visiter Present?       V es       No       Depth:       (n.)         Surface Visiter Present?       V es       No       Depth:       NA         Remarks:       Solido       Profile Description       Depth       Matrix       Matrix         Top       Bottom       Matrix       Color (Moist)       %       Yee       C - Gottom Color         0       22       1       NR       -       -       -       -       -       -       -       -       -       -       -       -		A2 - High Wa	iter Table			B13 - Aqu	uatic Fauna	1			B10 - Drainage Pa	atterns
B2       Sectioner: Deposits       C3       - Gatzage Rizzogenices on Luing Rooss       C3       - Caryling Burrows       Caryling Burrows       Caryling Burrows       Caryling Burrows       Caryling Burrows       Caryling Burrows       Caryling Burrow												
B3 - Offit Deposits       C - Presence of Reduced ion       C - Saturdation Visible on Aerial Imagery         B3 - Offit Deposits       C - Thin Muck Surface       D - Saturdation Visible on Aerial Imagery         B - Sparsely Vegetated Concave Surface       D - Macrothysics       D - Saturdation Visible on Aerial Imagery         B - Sparsely Vegetated Concave Surface       D - Macrothysics       D - Macrothysics         Surface Water Present?       Yes       No       Depth:       O (in.)         Water Table Present?       Yes       No       Depth:       O (in.)         Surface Water Destated Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       N/A         Remarks:       Surface Vater Destate Imagery       Yes       No         Depth       Depth       O (in.)       Wetland Hydrology Present?       Yes       No         Porfile Description       Intervention advates of undents       Clocket Maters       No       Perfile       Description         0       22       1       N       Restrict Present?       Yes       O and No         0       22       1       NR       G - Color (Molist)       %       Color (Molist)       %       Yee       Location       G - G - G - G - G - G - G - G - G - G -												
B 4- Algal Mai or Crust       C 6- Recent from Reduction in Tilled Solis       D 1 - Stunded or Stressed Plants         B 5- Iron Deposits       D 1 - Stunded or Stressed Plants       D 2 - Geomphile Position         B 5- Iron Deposits       D 0 + Microtographic Relief       D 3 - Shallow Aquitad         B 7- Iron Mark Stratese       D + Microtographic Relief         Field Observations:       Surface Water Present?       V vs S       No         Sutration Present?       V vs S       No       Depth:       0       (in.)         Vater Table Present?       V vs S       No       Depth:       0       (in.)         Profile Description       Remarks:       Remarks:       NA         Soll S       Endote the state stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Top       Bottom       Color (Molst)       %       Color (Molst)       %       Type       Location       (e.g. clay, sand, loam)         0       22       1       -       NR       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -												
B3-ron Deposits       C1-7. Thin Muck Surface       D2-Geomorphic Position         B3-ron Deposits       C1-7. Thin Muck Surface       D3-5 Nallow Apultard         B4-Sparsely Vegetated Concave Surface       Other (Explain in Remarks)       D3-5 Nallow Apultard         Surface Water Table Present?       Ves       No       Depth:       0 (in.)         Water Table Present?       Ves       No       Depth:       0 (in.)         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Profile Description       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Portile Description       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Profile Description       Depth:       Matrix       Color (Moist)       %       Type       Location       (e.g. Caly, sand, loan)         0       22       1       Matrix       Color (Moist)       %       Type       Color (Moist)												
B7 - Inundation Visible on Aerial Imagery       Other (Explain in Remarks)       D3 - Shallow'Aquitad         B8 - Sparely Vegetated Concave Surface       (in.)       D4 - Microtopopaphic Roled         Surface Water Present?       Ves       No       Depth:       (in.)         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Remarks:       Soldon       Matrix       Mottles       (in.)         Op Both       Matrix       Mottles       (in.)       (e.g. Clay, sand, loam)         0       22       1	_											
B8 - Sparsely Vegetated Concave Surface       D 4 Microtopographic Relief         Field Observations:       Surface Water Present?       Ves       No         Surface Water Present?       Ves       No       Depth:       0       (in,)         Water Table Present?       Ves       No       Depth:       0       (in,)         Describe Recorded Data (stream gauge, monitoring well, serial photos, previous inspections), if available:       N/A         Remarks:       N/A         Soll.S       Forfile Description (brothes in eagle meable is scenare to educe a contine contine to educe a contine to educe a cont				aderv	_							
Field Observations:       Wetland Hydrology Present?       Yes       No         Surface Water Table Present?       Yes       No       Depth:       0       (in,)         Saturation Present?       Yes       No       Depth:       0       (in,)         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       N/A         Remarks:       N/A         Soll S       Profile Description (poctes is te dept neede to scores the dept neede to score the dept neede to sco										1	D4 - Microtopogra	aphic Relief
Surface Water Present?       Image: Surface Water Present?       <											D5 - FAC-Neutral	Test
Surface Water Present?       Image: Surface Water Present?       <	Field Observat	tions:										
Water Table Present?       Yes       No       Depth:       0       (in, )         Saturation Present?       Yes       No       Depth:       0       (in, )         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Remarks:       SOLS         Profile Description       Depth:       O       Color (Moist)       %       Type       Location (e.g. clay, sand, loam)         0       22       1        NR          OB muck              OB muck        OB muck              OB muck        OB muck               OB muck        OB muck               OB muck        OB muck               OB muck        OB muck               OB muck       OB muck        OB muc			🗆 Yes 🔽 No	Depth:		(in)						
Saturation Present?       Image: No       Depth:       0       (in.)         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Remarks:       Solds       No       No         Sold Sectored Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Profile Description       Description       Description       Matrix       Mottles       Type       Location       (e.g. clay, sand, loan))         0       22       1				•	0	. ,			Wetland Hyd	drology Pr	esent? 🛛 🗹	Yes 🗆 No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       N/A         Remarks:         SOLS         Profile Description       Color (Moist)       %       Matrix       Matrix       Motion         0       22       1       -       NR       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <td< td=""><td></td><td></td><td>_</td><td>•</td><td></td><td>. ,</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>			_	•		. ,						
Remarks:         SOILS         Profile Description [Dearks to the the data mediator of unclators.] (Type C_Concentration, D_Objetion, RML-Robot Math. CS-Convertication Stand Grane, Loadion, PL-Prior Lining, M-Matrix]         Top       Bottom       Texture         Oclor (Moist) %       Color (Moist)       %       Type       Location (e.g. class, sand, loam)         O 22 1 NR       Note in the statume of indicators of indicators in the statume of indicators in the statu				•		( )						
SOLS         Profile Description       Depth       Matrix       Mottles       Texture         OD       Depth       Horizon       Color (Moist)       %       Type       Location       (e.g. clay, sand, loam)         0       22       1       NR       a       a       a       Texture         a       a       Texture       Texture         a       Color (Moist)       %       Type       Location       (e.g. clay, sand, loam)         0       22       1       Texture       Texture         a       a       Texture       Texture         a       Texture       Texture       Texture         a       Texture       Texture       Texture         a       Texture       Texture       Texture       Texture		ed Data (stre	am gauge, monitoring	g well, aei	rial photo	is, previou	s inspecti	ons), if available:		N/A		
Profile Description         Description         Description         Description         Matrix         Mottles         Texture           Top         Bottom         Matrix         Matrix         Mottles         Texture           O         22         1             Oa muck                 Oa muck                 Oa muck                   Oa muck	Remarks:											
Profile Description         Description         Description         Description         Matrix         Mottles         Texture           Top         Bottom         Matrix         Matrix         Mottles         Texture           O         22         1             Oa muck                 Oa muck                 Oa muck                   Oa muck												
Top Depth         Bottom Depth         Matrix         Matrix         Mottles         Texture           Depth         Horizon         Color (Moist)         %         Type         Location         (e.g. clay, sand, loam)           0         22         1         -         NR         -         -         -         -         Oa muck                 Oa muck                 Oa muck                 Oa muck	SOIL S											
Top Depth         Bottom Depth         Matrix         Matrix         Mottles         Texture           Depth         Horizon         Color (Moist)         %         Type         Location         (e.g. clay, sand, loam)           0         22         1         -         NR         -         -         -         -         Oa muck                 Oa muck                 Oa muck                 Oa muck	OOILO											
Depth         Depth         Horizon         Color (Moist)         %         Color (Moist)         %         Type         Location         (e.g. clay, sand, loam)           0         22         1         -         NR               Oa muck                   Oa muck		otion (Describe to t	he depth needed to document the inc	dicator or confirm	the absence of	indicators.) (Typ	e: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C	S=Covered/Coated Sand	Grains; Location: PL	_=Pore Lining, M=Matrix)	
0         22         1          NR              O a muck	Profile Descrip		he depth needed to document the inc	dicator or confirm			e: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C		Grains; Location: PL	.=Pore Lining, M=Matrix)	Texture
-	Profile Descrip Top	Bottom			Matrix		e: C=Concentra		Mottles			
Image: Second	Profile Descrip Top Depth	Bottom Depth	Horizon	Color	Matrix (Moist)	%		Color (Moist)	Mottles %	Туре	Location	(e.g. clay, sand, loam)
Image: Second	Profile Descrip Top Depth 0	Bottom Depth 22	Horizon 1	Color 	Matrix (Moist) NR	%		Color (Moist)	Mottles % 	Type 	Location	(e.g. clay, sand, loam) Oa muck
Image: Second	Profile Descrip Top Depth 0 	Bottom Depth 22 	Horizon 1 	Color  	Matrix (Moist) NR 	%  		Color (Moist)  	Mottles %  	Type  	Location  	(e.g. clay, sand, loam) Oa muck 
Image: Second	Profile Descrip Top Depth 0  	Bottom Depth 22 	Horizon 1  	Color  	Matrix (Moist) NR  	%  		Color (Moist)   	Mottles %   	Type  	Location   	(e.g. clay, sand, loam) Oa muck  
Image: Second	Profile Descrip Top Depth 0   	Bottom Depth 22  	Horizon 1   	Color   	Matrix (Moist) NR   	%   	  	Color (Moist)    	Mottles           %	Type   	Location   	(e.g. clay, sand, loam) Oa muck   
Image: Second	Profile Descrip Top Depth 0    	Bottom Depth 22    	Horizon 1    	Color   	Matrix (Moist) NR   	%    	  	Color (Moist)      	Mottles           %	Type    	Location     	(e.g. clay, sand, loam) Oa muck     
NRCS Hydric Soil Field Indicators (check here if indicators are not present):       Indicators for Problematic Soils 1         A1- Histosol       S8 - Polyvalue Below Surface (LRR R, MLRA 149B)       A10 - 2 cm Muck (LRR K, L, MLRA 149B)         A2 - Histic Epipedon       S9 - Thin Dark Surface (LRR R, MLRA 149B)       A16 - Coast Prairie Redox (LRR K, L, R)         A3 - Black Histic       F1 - Loamy Mucky Mineral (LRR K, L)       S3 - Scm Mucky Peat of Peat (LRR K, L, R)         A4 - Hydrogen Sulfide       F2 - Loamy Gleyed Matrix       S3 - Som Mucky Peat of Peat (LRR K, L, R)         A5 - Stratified Layers       F3 - Depleted Matrix       S3 - Polyvalue Below Surface (LRR K, L, R)         A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L, R)         A11 - Depleted Below Dark Surface       F7 - Depleted Dark Surface       S9 - Thin Dark Surface (LRR K, L, R)         A12 - Thick Dark Surface       F7 - Depleted Dark Surface       S9 - Thin Dark Surface (LRR K, L, R)         S4 - Sandy Muck Mineral       F8 - Redox Depressions       F16 - Piedmont Floodplain Soils (MLRA 149B)         S5 - Sandy Redox       T52 - Dark Surface (LRR R, MLRA 149B)       T64 - Mesic Spodic (MLRA 144B)         S5 - Sandy Redox       F7 - Dark Surface (LRR R, MLRA 149B)       T64 - Mesic Spodic (MLRA 144B)         S6 - Stripped Matrix       S7 - Dark Surface (LRR R, MLRA 149B)       T62 - Very Shallow Dark Surface	Profile Descrip Top Depth 0       	Bottom Depth 22    	Horizon 1      	Color      	Matrix (Moist) NR     	%    	   	Color (Moist)	Mottles           %	Type    	Location     	(e.g. clay, sand, loam) Oa muck      
A1- Histosol       S8 - Polyvalue Below Surface (LRR R, MLRA 1498)       A10 - 2 cm Muck (LRR K, L, MLRA 1498)         A2 - Histic Epipedon       S9 - Thin Dark Surface (LRR R, MLRA 1498)       A16 - Coast Prairie Redox (LRR K, L, R)         A3 - Black Histic       F1 - Loamy Mucky Mineral (LRR K, L)       S3 - 5cm Mucky Peat of Peat (LRR K, L, R)         A4 - Hydrogen Sulfide       F2 - Loamy Gleyed Matrix       S7 - Dark Surface (LRR K, L)       S3 - 5cm Mucky Peat of Peat (LRR K, L, R)         A5 - Stratified Layers       F3 - Depleted Matrix       S8 - Polyvalue Below Surface (LRR K, L)       S7 - Dark Surface (LRR K, L, M)         A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L, R)         A12 - Thick Dark Surface       F7 - Depleted Dark Surface       F12 - Iron-Manganese Masses (LRR K, L, R)         S1 - Sandy Gleyed Matrix       F8 - Redox Depressions       TA6 - Mesic Spodic (MLRA 144A, 145, 1498)         S5 - Sandy Redox       TF2 - Red Parent Material       TF2 - Red Parent Material         S7 - Dark Surface (LRR R, MLRA 1498)       Other (Explain in Remarks)       "Indicators of hydrophytic wegtation and wetland hydrology must be present, unless disturbed or problematic.         S7 - Dark Surface (LRR R, MLRA 1498)       Depth:       Hydric Soil Present?       Yes       No	Profile Descrip Top Depth 0         	Bottom Depth 22     	Horizon 1       	Color       	Matrix (Moist)     	%	     	Color (Moist)         	Mottles %         	Type       	Location       	(e.g. clay, sand, loam) Oa muck       
A1- Histosol       S8 - Polyvalue Below Surface (LRR R, MLRA 1498)       A10 - 2 cm Muck (LRR K, L, MLRA 1498)         A2 - Histic Epipedon       S9 - Thin Dark Surface (LRR R, MLRA 1498)       A16 - Coast Prairie Redox (LRR K, L, R)         A3 - Black Histic       F1 - Loamy Mucky Mineral (LRR K, L)       S3 - 5cm Mucky Peat of Peat (LRR K, L, R)         A4 - Hydrogen Sulfide       F2 - Loamy Gleyed Matrix       S7 - Dark Surface (LRR K, L)       S3 - 5cm Mucky Peat of Peat (LRR K, L, R)         A5 - Stratified Layers       F3 - Depleted Matrix       S8 - Polyvalue Below Surface (LRR K, L)       S7 - Dark Surface (LRR K, L, M)         A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L, R)         A12 - Thick Dark Surface       F7 - Depleted Dark Surface       F12 - Iron-Manganese Masses (LRR K, L, R)         S1 - Sandy Gleyed Matrix       F8 - Redox Depressions       TA6 - Mesic Spodic (MLRA 144A, 145, 1498)         S5 - Sandy Redox       TF2 - Red Parent Material       TF2 - Red Parent Material         S7 - Dark Surface (LRR R, MLRA 1498)       Other (Explain in Remarks)       "Indicators of hydrophytic wegtation and wetland hydrology must be present, unless disturbed or problematic.         S7 - Dark Surface (LRR R, MLRA 1498)       Depth:       Hydric Soil Present?       Yes       No	Profile Descrip Top Depth 0         	Bottom Depth 22        	Horizon 1         	Color       	Matrix (Moist) NR        	%	       	Color (Moist)	Mottles %         	Type       	Location       	(e.g. clay, sand, loam) Oa muck       
A3 - Black Histic       F1 - Loamy Mucky Mineral (LRR K, L)       S3 - 5cm Mucky Peat of Peat (LRR K, L, R)         A4 - Hydrogen Sulfide       F2 - Loamy Gleyed Matrix       S7 - Dark Surface (LRR K, L, M)         A5 - Stratified Layers       F3 - Depleted Matrix       S8 - Polyvalue Below Surface (LRR K, L)         A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L, R)         A12 - Thick Dark Surface       F7 - Depleted Dark Surface       F12 - Iron-Manganese Masses (LRR K, L, R)         S1 - Sandy Muck Mineral       F8 - Redox Depressions       F19 - Piedmont Floodplain Soils (MLRA 1498)         S4 - Sandy Gleyed Matrix       F8 - Redox Depressions       F12 - Iron-Manganese Masses (LRR K, L, R)         S5 - Sandy Redox       F8 - Redox Depressions       F19 - Piedmont Floodplain Soils (MLRA 1498)         S5 - Sandy Redox       F12 - Very Shallow Dark Surface       TF2 - Red Parent Material         S7 - Dark Surface (LRR R, MLRA 1498)       TF2 - Very Shallow Dark Surface       Other (Explain in Remarks)         'Indicators of hydrophytic wegetation and wetland hydrology must be present, unless disturbed or problematic.       Yes       No	Profile Descrip Top Depth 0         	Bottom Depth 22        	Horizon 1         	Color       	Matrix (Moist) NR        	%	       	Color (Moist)	Mottles %           	Type       	Location      	(e.g. clay, sand, loam) Oa muck       
A4 - Hydrogen Sulfide       F2 - Loamy Gleyed Matrix       S7 - Dark Surface (LRR K, L, M)         A5 - Stratified Layers       F3 - Depleted Matrix       S8 - Polyvalue Below Surface (LRR K, L)         A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L, R)         A11 - Thick Dark Surface       F6 - Redox Dark Surface       F12 - Thick Dark Surface (LRR K, L, R)         S1 - Sandy Muck Mineral       F8 - Redox Depressions       F19 - Piedmont Floodplain Soils (MLRA 1498)         S4 - Sandy Gleyed Matrix       TA6 - Mesic Spodic (MLRA 1444, 145, 1498)       TF2 - Red Parent Material         S5 - Sandy Redox       TF12 - Very Shallow Dark Surface       Other (Explain in Remarks)         ''Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       ''Yes None         Restrictive Layer (If Observed)       Type: None       Depth:       Hydric Soil Present?       Yes No	Profile Descrip Top Depth 0     NRCS Hydric \vee	Bottom Depth 22     Soil Field In A1- Histosol	Horizon 1      dicators (check he	Color       	Matrix (Moist) NR      cators ar	%	     esent [ value Belo	Color (Moist)	Mottles %       	Type      s for Proble A10 - 2 cm l	Location     matic Soils ¹ Muck (LRR K, L, MLRA 1.	(e.g. clay, sand, loam) Oa muck        -
A5 - Stratified Layers       F3 - Depleted Matrix       S8 - Polyvalue Below Surface (LRR K, L)         A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LR K, L)         A12 - Thick Dark Surface       F7 - Depleted Dark Surface       F12 - Iron-Manganese Masses (LR K, L, R)         S1 - Sandy Muck Mineral       F8 - Redox Depressions       F19 - Piedmont Floodplain Soils (MLRA 1498)         S4 - Sandy Gleyed Matrix       F3 - Sandy Redox       TA6 - Mesic Spodic (MLRA 1444, 145, 1498)         S6 - Stripped Matrix       TF12 - Very Shallow Dark Surface       Other (Explain in Remarks)         * Thick Layer       Type: None       Depth:       Hydric Soil Present?       Yes       No	Profile Descrip Top Depth 0     NRCS Hydric □	Bottom Depth 22     Soil Field In A1- Histosol A2 - Histic Ep	Horizon 1    dicators (check he pipedon	Color       	Matrix (Moist) NR     cators ar	%	            	Color (Moist)	Mottles %	Type        s for Proble A10 - 2 cm I A16 - Coast	Location Muck (Lerk K, L, MLRA 1. Prairie Redox (Ler	(e.g. clay, sand, loam) Oa muck        -
A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L)         A12 - Thick Dark Surface       F7 - Depleted Dark Surface       F12 - Iron-Manganese Masses (LR K, L, R)         S1 - Sandy Muck Mineral       F8 - Redox Depressions       F19 - Piedmont Floodplain Soils (MLRA 149B)         S4 - Sandy Redox       F8 - Redox Depressions       TA6 - Mesic Spodic (MLRA 1444, 145, 149B)         S5 - Sandy Redox       TF2 - Red Parent Material         S6 - Stripped Matrix       Other (Explain in Remarks)         S7 - Dark Surface (LRR R, MLRA 149B)       Other (Explain in Remarks) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Restrictive Layer (If Observed)       Type: None         Depth:       Hydric Soil Present?       Yes	Profile Descrip Top Depth 0     NRCS Hydric □ □	Bottom Depth 22    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi	Horizon 1     dicators (check he pipedon stic	Color       	Matrix (Moist) NR      cators ar  	%                                                                                                                          S8 - Poly           S9 - Thin		Color (Moist)	Mottles %       Indicator □ □ □ □ □ □ □ □ □	Type      s for Proble A10 - 2 cm 1 A16 - Coast S3 - 5cm M	Location matic Soils ¹ Muck (LRR K, L, MLRA 1. Prairie Redox (LR K, L, MLRA 1. Prairie R	(e.g. clay, sand, loam) Oa muck        -
A12 - Thick Dark Surface       F7 - Depleted Dark Surface       F12 - Iron-Manganese Masses (LRR K, L, R)         S1 - Sandy Muck Mineral       F8 - Redox Depressions       F19 - Piedmont Floodplain Soils (MLRA 149B)         S4 - Sandy Gleyed Matrix       TA6 - Mesic Spodic (MLRA 144, 145, 149B)       TA6 - Mesic Spodic (MLRA 144, 145, 149B)         S5 - Sandy Redox       TF12 - Very Shallow Dark Surface       Other (Explain in Remarks)         S7 - Dark Surface (LRR R, MLRA 149B)       Other (Explain in Remarks)         'Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Restrictive Layer (if Observed)       Type: None         Depth:       Hydric Soil Present?       Yes	Profile Descrip Top Depth 0     NRCS Hydric □ □ □	Bottom Depth 22     Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge	Horizon 1     dicators (check he bipedon stic n Sulfide	Color       	Matrix (Moist) NR     cators ar	%                                                                                                                                                        S9 - Thin           F1 - Loan           F2 - Loan <td>            </td> <td>Color (Moist)</td> <td>Mottles %</td> <td>Type      s for Proble A10 - 2 cm 1 A16 - Coast S3 - 5 cm Mi S3 - 5 cm Mi</td> <td>Location matic Soils ¹ Muck (LRR K, L, MLRA 1. Prairie Redox (LRR Jcky Peat of Peat ( urface (LRR K, L, M)</td> <td>(e.g. clay, sand, loam) Oa muck     49B) K, L, R) LRR K, L, R)</td>	            	Color (Moist)	Mottles %	Type      s for Proble A10 - 2 cm 1 A16 - Coast S3 - 5 cm Mi S3 - 5 cm Mi	Location matic Soils ¹ Muck (LRR K, L, MLRA 1. Prairie Redox (LRR Jcky Peat of Peat ( urface (LRR K, L, M)	(e.g. clay, sand, loam) Oa muck     49B) K, L, R) LRR K, L, R)
S1 - Sandy Muck Mineral       F8 - Redox Depressions       F19 - Piedmont Floodplain Soils (MLRA 1498)         S4 - Sandy Gleyed Matrix       TA6 - Mesic Spodic (MLRA 1444, 145, 1498)         S5 - Sandy Redox       TF2 - Red Parent Material         S7 - Dark Surface (LRR R, MLRA 149B)       Other (Explain in Remarks)         'Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Restrictive Layer (if Observed)       Type: None         Depth:       Hydric Soil Present?	Profile Descrip Top Depth 0    NRCS Hydric □ □ □ □ □ □ □ □ □ □ □ □ □	Bottom Depth 22    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified	Horizon 1 dicators (check he bipedon stic n Sulfide H Layers	Color       ere if indio	Matrix (Moist) NR     cators ar	%	      esent value Belo Dark Surfa ny Mucky I ny Gleyed	Color (Moist)	Mottles %	Type       Sfor Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mi S7 - Dark Si S8 - Polyval	Location matic Soils ¹ Muck (LRR K, L, MLRA 1- Prairie Redox (LRR ycky Peat of Peat ( urface (LRR K, L, M) ue Below Surface	(e.g. clay, sand, loam) Oa muck      49B) K, L, R) LRR K, L, R) (LRR K, L)
S4 - Sandy Gleyed Matrix       TA6 - Mesic Spodic (MLRA 144A, 145, 149B)         S5 - Sandy Redox       TF2 - Red Parent Material         S6 - Stripped Matrix       TF12 - Very Shallow Dark Surface         S7 - Dark Surface (LRR R, MLRA 149B)       Other (Explain in Remarks)         'Indicators of hydrophylic wegtation and wetland hydrology must be present, unless disturbed or problematic.         Restrictive Layer (if Observed)       Type: None         Depth:       Hydric Soil Present?	Profile Descrip Top Depth 0     NRCS Hydric □ □ □ □ □ □ □ □ □ □ □ □ □	Bottom Depth 22     Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifiec A11 - Deplete	Horizon 1   dicators (check he bipedon stic n Sulfide b Layers ed Below Dark Surface	Color       ere if indio	Matrix (Moist) NR    cators ar Cators ar	%	            	Color (Moist)	Mottles %	Type        s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mi S7 - Dark S S8 - Polyval S9 - Thin Da	Location matic Soils ¹ Muck (LRR K, L, MLRA 1. Prairie Redox (LRR JCky Peat of Peat ( urface (LRR K, L, M) ue Below Surface ark Surface (LRR K, LRA 1.	(e.g. clay, sand, loam) Oa muck        -
S5 - Sandy Redox       □       TF2 - Red Parent Material         S6 - Stripped Matrix       □       TF12 - Very Shallow Dark Surface         S7 - Dark Surface (LRR R, MLRA 149B)       □       TF12 - Very Shallow Dark Surface         Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       □         Restrictive Layer (If Observed)       Type: None       Depth:       Hydric Soil Present?       ☑       Yes       No	Profile Descrip Top Depth 0     NRCS Hydric □ □ □ □ □ □ □ □ □ □ □ □ □	Bottom Depth 22     Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D	Horizon 1     dicators (check he bipedon stic n Sulfide I Layers ad Below Dark Surface bark Surface	Color       ere if indio	Matrix (Moist) NR     cators ar             	%		Color (Moist)	Mottles %	Type       s for Proble A10 - 2 cm 1 A16 - Coast S3 - 5cm Mi S7 - Dark S S8 - Polyval S9 - Thin Da S9 - Thin Da	Location	(e.g. clay, sand, loam) <u>Oa muck</u>      49B) K, L, R) LRR K, L, R) (LRR K, L, R)
S7 - Dark Surface (LRR R, MLRA 1498)       Cher (Explain in Remarks) ¹ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Restrictive Layer (if Observed)       Type: None         Depth:       Hydric Soil Present?       Yes	Profile Descrip Top Depth 0    NRCS Hydric □ □ □ □ □ □ □ □ □ □ □ □ □	Bottom Depth 22     Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifiec A11 - Deplete A12 - Thick D S1 - Sandy M	Horizon 1      dicators (check he bipedon stic n Sulfide I Layers ad Below Dark Surface bark Surface luck Mineral	Color       ere if indio	Matrix (Moist) NR     cators ar             	%		Color (Moist)	Mottles %	Type        s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mi S3 - 5cm Mi S4 - 5cm Mi S	Location matic Soils 1 Muck (LRR K, L, MLRA1. Prairie Redox (LRR Jacky Peat of Peat ( utface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L) anganese Masses iont Floodplain Soi Spodic (MLRA 144A, 1)	(e.g. clay, sand, loam) <u>Oa muck</u>      49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) S (MLRA 149B)
Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Restrictive Layer (If Observed)       Type: None       Depth:       Hydric Soil Present?       Yes       No	Profile Descrip Top Depth 0     NRCS Hydric □ □ □ □ □ □ □ □ □ □ □ □ □	Bottom Depth 22      Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifiec A11 - Deplete A12 - Thick D S1 - Sandy R S4 - Sandy R	Horizon 1 dicators (check he bipedon stic n Sulfide b Layers ed Below Dark Surface bark Surface luck Mineral leyed Matrix edox	Color       ere if indio	Matrix (Moist) NR     cators ar             	%		Color (Moist)	Mottles %	Type             -	Location	(e.g. clay, sand, loam) Oa muck      49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (S (MLRA 149B) 45, 149B)
Restrictive Layer (If Observed)       Type: None       Depth:       Hydric Soil Present?       Yes       No	Profile Descrip Top Depth 0    NRCS Hydric □ □ □ □ □ □ □ □ □ □ □ □ □	Bottom Depth 22       Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S5 - Sandy R	Horizon 1     dicators (check he bipedon stic n Sulfide J Layers ad Below Dark Surface bark Surface bark Surface luck Mineral leyed Matrix edox Matrix	Color       ere if indio	Matrix (Moist) NR     cators ar             	%		Color (Moist)	Mottles %	Type             -	Location	(e.g. clay, sand, loam) Oa muck      49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (S (MLRA 149B) 45, 149B)
(If Observed)	Profile Descrip Top Depth 0    NRCS Hydric □ □ □ □ □ □ □ □ □ □ □ □ □	Bottom Depth 22       Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S5 - Sandy R	Horizon 1     dicators (check he bipedon stic n Sulfide 4 Layers ad Below Dark Surface bark Surface bark Surface luck Mineral leyed Matrix edox Matrix	Color       ere if indio	Matrix (Moist) NR     cators ar             	%		Color (Moist)	Mottles %	Type	Location	(e.g. clay, sand, loam) Oa muck       49B) K, L, R) LRR K, L, R) (LRR K, L, R) : (LRR K, L, R) : (LR K, L) : (
(ii Observed)	Profile Descrip Top Depth 0    NRCS Hydric □ □ □ □ □ □ □ □ □ □ □ □ □	Bottom Depth 22       Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S5 - Sandy R	Horizon 1     dicators (check he bipedon stic n Sulfide 4 Layers ad Below Dark Surface bark Surface bark Surface luck Mineral leyed Matrix edox Matrix	Color       ere if indio	Matrix (Moist) NR     cators ar             	%		Color (Moist)	Mottles %	Type	Location	(e.g. clay, sand, loam) Oa muck       49B) K, L, R) LRR K, L, R) (LRR K, L, R) : (LRR K, L, R) : (LR K, L) : (
Remarks:	Profile Descrip Top Depth 0    NRCS Hydric 0 0 0 0 0 0 0 0 0 0 0 0 0	Bottom Depth 22     Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifiec A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Sur	Horizon 1    dicators (check he bipedon stic n Sulfide 1 Layers ad Below Dark Surface bark Surface leyed Matrix edox Matrix face (LRR R, MLRA 149B)	Color       ere if indio	Matrix (Moist) NR    cators ar Cators ar	%		Color (Moist)	Mottles %	Type                                                                                                                          Soft of the constant of the constof the constant of the constant of the constof the co	Location	(e.g. clay, sand, loam) Oa muck        -
	Profile Descrip Top Depth 0    NRCS Hydric U U U U U U U U U U U U U	Bottom Depth 22     Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifiec A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Sur	Horizon 1    dicators (check he bipedon stic n Sulfide 1 Layers ad Below Dark Surface bark Surface leyed Matrix edox Matrix face (LRR R, MLRA 149B)	Color       ere if indio	Matrix (Moist) NR    cators ar Cators ar	%		Color (Moist)	Mottles %	Type                                                                                                                          Soft of the constant of the constof the constant of the constant of the constof the co	Location	(e.g. clay, sand, loam) Oa muck        -
	Profile Descrip Top Depth 0    NRCS Hydric U U U U U U U U U U U U U	Bottom Depth 22     Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifiec A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Sur	Horizon 1    dicators (check he bipedon stic n Sulfide 1 Layers ad Below Dark Surface bark Surface leyed Matrix edox Matrix face (LRR R, MLRA 149B)	Color       ere if indio	Matrix (Moist) NR    cators ar Cators ar	%		Color (Moist)	Mottles %	Type                                                                                                                          Soft of the constant of the constof the constant of the constant of the constof the co	Location	(e.g. clay, sand, loam) Oa muck        -

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Northeast and Northcentral Region

Project/Site:	Weaver Wind Project				Wetland ID: W005_1 Sample Point Wetland
VEGETATION	(Species identified in all uppercase are non-na	ative spec	cies.)		
Tree Stratum (PI	ot size: 10 meter radius)				
	<u>Species Name</u>		Dominant	Ind.Status	Dominance Test Worksheet
1.	Abies balsamea	50	Y	FAC	
2.	Acer rubrum	20	Y	FAC	Number of Dominant Species that are OBL, FACW, or FAC: 4 (A)
3.	Thuja occidentalis	3	N	FACW	
4.	Fraxinus nigra	2	N	FACW	Total Number of Dominant Species Across All Strata: 5 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 80.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. <u>3</u> X 1 = <u>3</u>
	Total Cover =	75			FACW spp. $20$ X 2 = $40$
					FAC spp. 93 X 3 = 279
Sapling/Shrub St	ratum (Plot size: 5 meter radius)				FACU spp. 15 X 4 = 60
1.	Alnus incana	15	Y	FACW	UPL spp. 0 $x 5 = 0$
2.	Abies balsamea	8	Ν	FAC	
3.	Picea rubens	3	N	FACU	Total 131 (A) 382 (B)
4.					
5.					Prevalence Index = B/A = 2.916
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes Vo Rapid Test for Hydrophytic Vegetation
<u> </u>					
10.	 Total Cover =	26			
		20			—
					□ Yes ☑ No Morphological Adaptations (Explain) *
	ot size: 2 meter radius)	45	V	FAC	☐ Yes ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Osmunda claytoniana	15	Y	FAC	* Indicators of hydric soil and wetland hydrology must be
2.	Mianthemum canadense	10	Y	FACU	present, unless disturbed or problematic.
3.	Oxalis montana	2	N	FACU	
4.	Carex trisperma	3	N	OBL	Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.					Lan.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size,
13.					and woody plants less than 3.28 ft. tall.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	30			
Woody Vine Stra	tum (Plot size: 10 meter radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present 🧾 Yes 🗆 No
4.					
5.					
5.	 Total Cover =	0			
Remarks:	Total Cover =	0			
Remarks.					



Northeast and Northcentral Region

											/ /
Project/Site:	Weaver Wi	nd Project					Stantec Project #:	195600884		Date:	08/07/14
Applicant:	First Wind									County:	Hancock
Investigator #1:	Katelin Nick	kerson		Investi	dator #2:	Jeanna	a Leclerc			State:	Maine
Soil Unit:		nel association, 0-8%			gato: #21		VI/WWI Classification:	Upland		Wetland ID:	W005 2
			siopes, v.					Opianu			
Landform:	Side slope				al Relief:			_		Sample Point:	Upland
Slope (%):	0-3	Latitude:	44.8257	'98	Lc	ongitude:	-68.232824	Datum:		Community ID:	
Are climatic/hyd	drologic conc	litions on the site ty	pical for	this time	of year?	(If no, expl	ain in remarks)	🗹 Yes 🛛	No	Section:	
		or Hydrology Dsig					Are normal circumsta	ances presen	t?	Township:	
Are Vegetation		or Hydrology □na	turally pr	oblomat	ic?		☑ Yes			Range:	Dir:
		or riyurology 🗆 na	ituraliy pr	obiemat	10 !		1 103			Kange.	Dii
SUMMARY OF											
Hydrophytic Ve	getation Pres	sent?		Yes				Hydric Soils	Present?		🗆 Yes 🗹 No
Wetland Hydrol	ogy Present	?		Yes	🗹 No			Is This Samp	oling Point \	Vithin A Wetlan	d? 🔲 Yes 🗹 No
Remarks:											
HYDROLOGY											
	a la au chu alia a	tara (Chask hara i	findianta				_				
		ators (Check here i	f indicato	rs are n	ot presen	it 🗹 )	:				
Primary									Secondary:		
	A1 - Surface				B9 - Wate					B6 - Surface Soil	
	A2 - High Wa				B13 - Aqu					B10 - Drainage Pa	
	A3 - Saturatio				B15 - Mai					B16 - Moss Trim I	
	B1 - Water M				C1 - Hydr					C2 - Dry-Season	
	B2 - Sedimer						ospheres on Living Roots			C8 - Crayfish Burr	
	B3 - Drift Dep	oosits					educed Iron			C9 - Saturation Vi	sible on Aerial Imagery
	B4 - Algal Ma	at or Crust			C6 - Rece	ent Iron Re	eduction in Tilled Soils			D1 - Stunted or St	tressed Plants
	B5 - Iron Dep	osits			C7 - Thin	Muck Sur	face			D2 - Geomorphic	Position
	B7 - Inundatio	on Visible on Aerial Im	agery		Other (Ex	plain in Re	emarks)			D3 - Shallow Aqui	itard
	B8 - Sparselv	Vegetated Concave S	Surface		,		,			D4 - Microtopogra	aphic Relief
	, ,	0								D5 - FAC-Neutral	
East Ob a series											
Field Observat											
Surface Water	Present?	🗆 Yes 🗹 No	Depth:		(in.)			Watland Uv	drology Dr		Yes 🗹 No
Water Table Pr	esent?	🗆 Yes 🗹 No	Depth:		(in.)			Wetland Hy	urology Pr		res 🗹 no
Saturation Pres		□ Yes ☑ No	Depth:		(in.)						
Saturation Fies	ent:		Deptil.		(11.)						
Describe Record	ed Data (stre	am gauge, monitorin	g well, aei	rial photo	s, previou	s inspecti	ons), if available:		N/A		
	ed Data (stre	am gauge, monitorin	g well, aei	rial photo	s, previou	s inspecti	ons), if available:		N/A		
Remarks:	ed Data (stre	am gauge, monitorin	g well, aei	rial photo	s, previou	s inspecti	ons), if available:		N/A		
Remarks:	ed Data (stre	am gauge, monitorin	g well, aei	rial photo	s, previou	s inspecti	ons), if available:		N/A		
Remarks:	ed Data (stre	am gauge, monitorin	g well, aei	rial photo	os, previou	s inspecti	ons), if available:		N/A		
Remarks: SOILS	X			•	·	•		S=Courred/Costed Sand		-Dora Linina M-Matrix)	
Remarks: SOILS Profile Descrip	Dtion (Describe to t			the absence of	indicators.) (Typ	•	IONS), if available:			=Pore Lining, M=Matrix)	Tautura
Remarks: SOILS	X			•	indicators.) (Typ	•		S=Covered/Coated Sand		=Pore Lining, M=Matrix)	Texture
Remarks: SOILS Profile Descrip	Dtion (Describe to t		dicator or confirm	the absence of	indicators.) (Typ	•				=Pore Lining, M=Matrix)	Texture (e.g. clay, sand, loam)
Remarks: SOILS Profile Descrip Top Depth	otion (Describe to t Bottom Depth	he depth needed to document the inc	dicator or confirm	the absence of Matrix (Moist)	indicators.) (Typ	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C	Mottles	Grains; Location: PL		(e.g. clay, sand, loam)
Remarks: SOILS Profile Descrip Top Depth 3	otion _{(Describe to t} Bottom Depth 0	he depth needed to document the inc Horizon 1	dicator or confirm	the absence of Matrix (Moist) NR	indicators.) (Typ	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles % 	Grains; Location: PL Type 	Location 	(e.g. clay, sand, loam) fibric organic
Remarks: SOILS Profile Descrip Top Depth 3 0	Deption (Describe to t Bottom Depth 0 7	he depth needed to document the inc Horizon 1 2	dicator or confirm Color  5Y	the absence of Matrix (Moist) NR 6/1	indicators.) (Typ %  100	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %  	Grains; Location: PL Type  	Location  	(e.g. clay, sand, loam) fibric organic sandy loam
Remarks: SOILS Profile Descrip Top Depth 3	otion _{(Describe to t} Bottom Depth 0	he depth needed to document the inc Horizon 1	dicator or confirm	the absence of Matrix (Moist) NR	indicators.) (Typ	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles % 	Grains; Location: PL Type 	Location 	(e.g. clay, sand, loam) fibric organic
Remarks: SOILS Profile Descrip Top Depth 3 0	Deption (Describe to t Bottom Depth 0 7	he depth needed to document the inc Horizon 1 2	dicator or confirm Color  5Y	the absence of Matrix (Moist) NR 6/1	indicators.) (Typ %  100	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %  	Grains; Location: PL Type  	Location  	(e.g. clay, sand, loam) fibric organic sandy loam
Remarks: SOILS Profile Descrip Top Depth 3 0 7 	btion (Describe to Bottom Depth 0 7 10 	he depth needed to document the inc Horizon 1 2 3 	dicator or confirm Color  5Y 7.5YR 	the absence of Matrix (Moist) NR 6/1 3/4 	indicators.) (Typ %  100 100 	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %   	Grains: Location: PL Type    	Location   	(e.g. clay, sand, loam) fibric organic sandy loam sandy loam 
Remarks: SOILS Profile Descrip Top Depth 3 0 7  	btion (Describe to Bottom Depth 0 7 10 	he depth needed to document the inc Horizon 1 2 3 	dicator or confirm Color  5Y 7.5YR  	the absence of Matrix (Moist) NR 6/1 3/4 	indicators.) (Typ       %          100       100	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)     	Mottles %      	Grains; Location: PL Type    	Location     	(e.g. clay, sand, loam) fibric organic sandy loam sandy loam  
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Remarks: SOILS Profile Descrip Top Depth 3 0 7  	btion (Describe to Bottom Depth 0 7 10 	he depth needed to document the inc Horizon 1 2 3 	dicator or confirm Color  5Y 7.5YR  	the absence of Matrix (Moist) NR 6/1 3/4 	indicators.) (Typ       %          100       100	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)     	Mottles %      	Grains; Location: PL Type    	Location     	(e.g. clay, sand, loam) fibric organic sandy loam sandy loam  
Remarks: SOILS Profile Descrip Top Depth 3 0 7   	btion (Describe to Bottom Depth 0 7 10  	he depth needed to document the inc Horizon 1 2 3  	dicator or confirm Color  5Y 7.5YR  	the absence of Matrix (Moist) NR 6/1 3/4  	indicators.) (Typ %  100 100   	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)       	Mottles %      	Grains; Location: PL Type	Location      	(e.g. clay, sand, loam) fibric organic sandy loam sandy loam   
Remarks: SOILS Profile Descrip Top Depth 3 0 7      	btion (Describe to 1 Bottom Depth 0 7 10    	he depth needed to document the inc Horizon 1 2 3     	dicator or confirm Color  5Y 7.5YR     	the absence of Matrix (Moist) NR 6/1 3/4    	indicators.) (Typ %  100 100    	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles           %	Grains; Location: PL Type	Location       	(e.g. clay, sand, loam) fibric organic sandy loam    
Remarks: SOILS Profile Descrip Top Depth 3 0 7    NRCS Hydric	btion (Describe to 1 Bottom Depth 0 7 10    Soil Field In	he depth needed to document the inc Horizon 1 2 3   	dicator or confirm Color  5Y 7.5YR     	the absence of Matrix (Moist) NR 6/1 3/4    cators al	indicators.) (Typ %  100 100     re not pre	e: C=Concentra      e:sent	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles           %                                                              Indicator	Grains; Location: PL Type	Location       matic Soils ¹	(e.g. clay, sand, loam) fibric organic sandy loam      
Remarks: SOILS Profile Descrip Top Depth 3 0 7    NRCS Hydric	btion (Describe to the Depth of	he depth needed to document the ind Horizon 1 2 3    dicators (check he	dicator or confirm Color  5Y 7.5YR     	the absence of Matrix (Moist) NR 6/1 3/4    cators an	indicators.) (Typ %  100 100      re not pre S8 - Polyn	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %       	Grains; Location: PL Type       s for Proble A10 - 2 cm l	Location       matic Soils ¹ Muck (LRR K, L, MLRA 1	(e.g. clay, sand, loam) fibric organic sandy loam      
Remarks: SOILS Profile Descrip Top Depth 3 0 7    NRCS Hydric	btion (Describe to Bottom Depth 0 7 10   Soil Field In A1- Histosol A2 - Histic Ep	he depth needed to document the ind Horizon 1 2 3    dicators (check he bipedon	dicator or confirm Color  5Y 7.5YR     	the absence of Matrix (Moist) NR 6/1 3/4    cators al	indicators.) (Typ %  100 100   re not pre S8 - Poly S9 - Thin	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %       	Grains; Location: PL Type        -	Location       matic Soils ¹ Muck (LRR K, L, MLRA 1 Prairie Redox (LRR	(e.g. clay, sand, loam) fibric organic sandy loam        49B) К, L, R)
Remarks: SOILS Profile Descrip Top Depth 3 0 7   NRCS Hydric	btion (Describe to 1 Bottom Depth 0 7 10   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi	he depth needed to document the inc Horizon 1 2 3    dicators (check he pipedon stic	dicator or confirm Color  5Y 7.5YR     	the absence of Matrix (Moist) NR 6/1 3/4    cators an Cators an Cator	indicators.) (Typ %  100 100     S8 - Polyn S9 - Thin S9 - Thin	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)       y: ): w Surface (LRR R, MLRA 149B) Mineral (LRR K, L)	Mottles %       	Grains: Location: PL Type     s for Proble A10 - 2 cm If A16 - Coast S3 - 5cm Mu	Location	(e.g. clay, sand, loam) fibric organic sandy loam        49B) К, L, R)
Remarks: SOILS Profile Descrip Top Depth 3 0 7   NRCS Hydric	btion (Describe to 1 Bottom Depth 0 7 10   Soil Field In A1- Histosof A2 - Histic Ep A3 - Black Hi A4 - Hydroge	he depth needed to document the inc Horizon 1 2 3    dicators (check he bipedon stic n Sulfide	dicator or confirm Color  5Y 7.5YR     	the absence of Matrix (Moist) NR 6/1 3/4    cators al	indicators.) (Typ %  100 100    re not pre S8 - Poly S9 - Thin F1 - Loan F2 - Loan	e: C=Concentra             	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)          -	Mottles %       	Grains: Location: PL Type     s for Proble A10 - 2 cm If A16 - Coast S3 - 5cm Mu	Location       matic Soils ¹ Muck (LRR K, L, MLRA 1 Prairie Redox (LRR	(e.g. clay, sand, loam) fibric organic sandy loam        49B) К, L, R)
Remarks: SOILS Profile Descrip Top Depth 3 0 7   NRCS Hydric	btion (Describe to 1 Bottom Depth 0 7 10   Soil Field In A1- Histosof A2 - Histic Ep A3 - Black Hi A4 - Hydroge	he depth needed to document the inc Horizon 1 2 3    dicators (check he bipedon stic n Sulfide	dicator or confirm Color  5Y 7.5YR     	the absence of Matrix (Moist) NR 6/1 3/4    cators an Cators an Cators an Cators an Cators an	indicators.) (Typ %  100 100            	e: C=Concentra             	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %       	Grains; Location: PL Type        -	Location	(e.g. clay, sand, loam) fibric organic sandy loam     49B) K, L, R) LRR K, L, R)
Remarks: SOILS Profile Descrip Top Depth 3 0 7   NRCS Hydric	btion (Describe to 1 Bottom Depth 0 7 10    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified	he depth needed to document the inc Horizon 1 2 3    dicators (check he bipedon stic n Sulfide	dicator or confirm Color  5Y 7.5YR      ere if indic	the absence of Matrix (Moist) NR 6/1 3/4    cators an Cators an Cators an Cators an Cators an	indicators.) (Typ %  100 100    re not pre S8 - Poly S9 - Thin F1 - Loan F2 - Loan	e: C=Concentra             	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %            	Grains; Location: PL        -	Location matic Soils 1 //uck (LRR K, L, MIRA 11 Prairie Redox (LRR c/ky Peat of Peat ( ufface (LRR K, L, M)	(e.g. clay, sand, loam) fibric organic sandy loam          -
Remarks: SOILS Profile Descrip Top Depth 3 0 7    NRCS Hydric	btion (Describe to the Depth 0 0 7 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10	he depth needed to document the ind Horizon 1 2 3   dicators (check he bipedon stic n Sulfide 1 Layers ed Below Dark Surface	dicator or confirm Color  5Y 7.5YR      ere if indic	the absence of Matrix (Moist) NR 6/1 3/4    cators an Cators an Cators an Cators an Cators an	indicators.) (Typ %  100 100            	e: C=Concentra         ssent value Belc Dark Suff ny Mucky I ny Gleyed eted Matri xy Dark Su	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)        -	Mottles %	Grains; Location: PL        -	Location	(e.g. clay, sand, loam) fibric organic sandy loam 
Remarks: SOILS Profile Descrip Top Depth 3 0 7    NRCS Hydric	btion (Describe to 1 Bottom Depth 0 7 10    Soil Field In A1- Histosol A2 - Histic EF A3 - Black Hi A4 - Hydroge A5 - Stratifice A12 - Thick D	he depth needed to document the inc Horizon 1 2 3    dicators (check he bipedon stic n Sulfide 4 Layers ad Below Dark Surface Dark Surface	dicator or confirm Color  5Y 7.5YR      ere if indic	the absence of Matrix (Moist) NR 6/1 3/4    cators al Cators al Cators al	indicators.) (Typ %  100 100         	e: C=Concentra          -	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains: Location: PL        -	Location	(e.g. clay, sand, loam) fibric organic sandy loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R)
Remarks: SOILS Profile Descrip Top Depth 3 0 7   NRCS Hydric	btion (Describe to 1 Bottom Depth 0 7 10   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifiec A11 - Deplete A12 - Thick D S1 - Sandy M	he depth needed to document the inc Horizon 1 2 3    dicators (check he bipedon stic n Sulfide J Layers ed Below Dark Surface bark Surface luck Mineral	dicator or confirm Color  5Y 7.5YR      ere if indic	the absence of Matrix (Moist) NR 6/1 3/4   cators and Cators an	indicators.) (Typ %  100 100   re not pre S8 - Poly S9 - Thin F1 - Loan F2 - Loan F3 - Deply F6 - Redo	e: C=Concentra          -	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PI        -	Location	(e.g. clay, sand, loam) fibric organic sandy loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R) S (MLRA 149B)
Remarks: SOILS Profile Descrip Top Depth 3 0 7   NRCS Hydric	btion (Describe to 1 Bottom Depth 0 7 10   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy G	he depth needed to document the inc Horizon 1 2 3   dicators (check he bipedon stic n Sulfide 1 Layers ad Below Dark Surface Dark Surface Lock Mineral bileyed Matrix	dicator or confirm Color  5Y 7.5YR      ere if indic	the absence of Matrix (Moist) NR 6/1 3/4   cators and Cators an	indicators.) (Typ %  100 100         	e: C=Concentra          -	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PL Type        -	Location	(e.g. clay, sand, loam) fibric organic sandy loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R) S (MLRA 149B)
Remarks: SOILS Profile Descrip Top Depth 3 0 7    NRCS Hydric NRCS Hydric	btion (Describe to 1 Depth 0 7 10   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifier A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R	he depth needed to document the ind Horizon 1 2 3     dicators (check he bipedon stic n Sulfide 1 Layers ad Below Dark Surface bark Surface luck Mineral ileyed Matrix edox	dicator or confirm Color  5Y 7.5YR      ere if indic	the absence of Matrix (Moist) NR 6/1 3/4   cators and Cators an	indicators.) (Typ %  100 100         	e: C=Concentra          -	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PI Type        -	Location	(e.g. clay, sand, loam) fibric organic sandy loam          -
Remarks: SOILS Profile Descrip Top Depth 3 0 7   NRCS Hydric NRCS Hydric	btion (Describe to 1 Bottom Depth 0 7 10   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifice A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy R S4 - Sandy R S5 - Sandy R S6 - Stripped	he depth needed to document the inc Horizon 1 2 3    dicators (check he bipedon stic n Sulfide 1 Layers ad Below Dark Surface Dark Surface back Mineral ileyed Matrix edox Matrix	dicator or confirm Color  5Y 7.5YR      ere if indic	the absence of Matrix (Moist) NR 6/1 3/4   cators and Cators an	indicators.) (Typ %  100 100         	e: C=Concentra          -	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles  %	Grains: Location: PL        -	Location	(e.g. clay, sand, loam) fibric organic sandy loam          -
Remarks: SOILS Profile Descrip Top Depth 3 0 7    NRCS Hydric	btion (Describe to 1 Bottom Depth 0 7 10   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifice A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy R S4 - Sandy R S5 - Sandy R S6 - Stripped	he depth needed to document the ind Horizon 1 2 3     dicators (check he bipedon stic n Sulfide 1 Layers ad Below Dark Surface bark Surface luck Mineral ileyed Matrix edox	dicator or confirm Color  5Y 7.5YR      ere if indic	the absence of Matrix (Moist) NR 6/1 3/4   cators and Cators an	indicators.) (Typ %  100 100         	e: C=Concentra          -	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles  %	Grains; Location: Pl           Type                                                                                                                                                  S3 - 5cm Mt           F19 - Piedm           TA6 - Mesic           TF12 - Very	Location	(e.g. clay, sand, loam) fibric organic sandy loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) S (MLRA 149B) 45, 149B) face
Remarks: SOILS Profile Descrip Top Depth 3 0 7   NRCS Hydric NRCS Hydric	btion (Describe to 1 Bottom Depth 0 7 10   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifice A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy R S4 - Sandy R S5 - Sandy R S6 - Stripped	he depth needed to document the inc Horizon 1 2 3    dicators (check he bipedon stic n Sulfide 1 Layers ad Below Dark Surface Dark Surface back Mineral ileyed Matrix edox Matrix	dicator or confirm Color  5Y 7.5YR      ere if indic	the absence of Matrix (Moist) NR 6/1 3/4   cators and Cators an	indicators.) (Typ %  100 100         	e: C=Concentra          -	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: Pl           Type                                                                                                                                                  S3 - 5cm Mt           F19 - Piedm           TA6 - Mesic           TF12 - Very	Location	(e.g. clay, sand, loam) fibric organic sandy loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) S (MLRA 149B) 45, 149B) face
Remarks: SOILS Profile Descrip Top Depth 3 0 7   NRCS Hydric 0 0 0 7   NRCS Hydric	btion (Describe to t Bottom Depth 0 7 10   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifier A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy R S6 - Stripped S7 - Dark Sur	he depth needed to document the ind Horizon 1 2 3    dicators (check he bipedon stic on Sulfide 1 Layers ed Below Dark Surface luck Mineral ileyed Matrix edox Matrix rface (LRR R, MLRA 149B)	dicator or confirm Color  5Y 7.5YR      ere if indic	the absence of Matrix (Moist) NR 6/1 3/4    cators al Cators al Cators al Cators al Cators al Cators al	indicators.) (Typ %  100 100    re not pre S8 - Poly S9 - Thin F1 - Loan F2 - Loan F3 - Depli F6 - Redc F7 - Depli F8 - Redc	e: C=Concentra          -	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PI Type        -	Location	(e.g. clay, sand, loam) fibric organic sandy loam          -
Remarks: SOILS Profile Descrip Top Depth 3 0 7   NRCS Hydric NRCS Hydric	btion (Describe to 1 Bottom Depth 0 7 10   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifice A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy R S4 - Sandy R S5 - Sandy R S6 - Stripped	he depth needed to document the ind Horizon 1 2 3    dicators (check he bipedon stic on Sulfide 1 Layers ed Below Dark Surface luck Mineral ileyed Matrix edox Matrix rface (LRR R, MLRA 149B)	dicator or confirm Color  5Y 7.5YR      ere if indic	the absence of Matrix (Moist) NR 6/1 3/4   cators and Cators an	indicators.) (Typ %  100 100    re not pre S8 - Poly S9 - Thin F1 - Loan F2 - Loan F3 - Depli F6 - Redc F7 - Depli F8 - Redc	e: C=Concentra          -	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PI Type        -	Location	(e.g. clay, sand, loam) fibric organic sandy loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) S (MLRA 149B) 45, 149B) face
Remarks: SOILS Profile Descrip Top Depth 3 0 7   NRCS Hydric NRCS Hydric C Restrictive Layer (If Observed)	btion (Describe to 1 Bottom Depth 0 7 10    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifier A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Sur	he depth needed to document the inc Horizon 1 2 3    dicators (check he bipedon stic n Sulfide J Layers ed Below Dark Surface bark Surface luck Mineral leyed Matrix rface (LRR R, MLRA 149B) Rock	dicator or confirm Color  5Y 7.5YR      ere if indid	the absence of Matrix (Moist) NR 6/1 3/4    cators al Cators al Cators al Cators al Cators al Cators al Cators al	indicators.) (Typ %  100 100    re not pre S8 - Poly S9 - Thin F1 - Loan F2 - Loan F3 - Depli F6 - Redc F7 - Depli F8 - Redc	e: C=Concentra          -	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PI Type        -	Location	(e.g. clay, sand, loam) fibric organic sandy loam          -
Remarks: SOILS Profile Descrip Top Depth 3 0 7   NRCS Hydric 0 0 0 7   NRCS Hydric	btion (Describe to 1 Bottom Depth 0 7 10    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifier A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Sur	he depth needed to document the ind Horizon 1 2 3    dicators (check he bipedon stic on Sulfide 1 Layers ed Below Dark Surface luck Mineral ileyed Matrix edox Matrix rface (LRR R, MLRA 149B)	dicator or confirm Color  5Y 7.5YR      ere if indid	the absence of Matrix (Moist) NR 6/1 3/4    cators al Cators al Cators al Cators al Cators al Cators al Cators al	indicators.) (Typ %  100 100    re not pre S8 - Poly S9 - Thin F1 - Loan F2 - Loan F3 - Depli F6 - Redc F7 - Depli F8 - Redc	e: C=Concentra          -	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PI Type        -	Location	(e.g. clay, sand, loam) fibric organic sandy loam          -



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project				Wetland ID: W005_2 Sample Point Upland
VEGETATION	(Species identified in all uppercase are non-na	ative spec	cies.)		
Tree Stratum (P	ot size: 10 meter radius)				
	<u>Species Name</u>		Dominant	Ind.Status	Dominance Test Worksheet
1.	Picea rubens	30	Y	FACU	
2.	Abies balsamea	20	Y	FAC	Number of Dominant Species that are OBL, FACW, or FAC: <u>3</u> (A)
3.	Pinus strobus	15	Y	FACU	
4.	Thuja occidentalis	5	N	FACW	Total Number of Dominant Species Across All Strata: <u>8</u> (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 37.5% (A/B)
7.					
8.				1	Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 X 1 = 0
	Total Cover =	70			FACW spp. 15 X 2 = 30
					FAC spp. $30$ x 3 = $90$
Sapling/Shrub St	ratum (Plot size: 5 meter radius)				FACU spp. 80 $x 4 = 320$
1.	Picea rubens	30	Y	FACU	$UPL spp. \qquad 0 \qquad X \ 5 = \qquad 0$
2.	Abies balsamea	10	Ŷ	FAC	
3.	Thuja occidentalis	10	Ŷ	FACW	Total 125 (A) 440 (B)
4.					
5.					Prevalence Index = B/A = 3.520
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					
<u> </u>					□ Yes ☑ No Rapid Test for Hydrophytic Vegetation
10.	 Tatal Cause				Yes      No Dominance Test is > 50%     No Dominance Test is > 60 a t
	Total Cover =	50			□ Yes $\square$ No Prevalence Index is $\leq 3.0^*$
					□ Yes ☑ No Morphological Adaptations (Explain) *
	ot size: 2 meter radius)	2	V	FACU	☐ Yes ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Vaccinium angustifolium	3	Y	FACU	* Indicators of hydric soil and wetland hydrology must be
2.	Maianthemum canadense	2	Y	FACU	present, unless disturbed or problematic.
3.	Acer rubrum	Y	Y	FAC	
4.					Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.					tan.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size,
13.					and woody plants less than 3.28 ft. tall.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	5			
			<u> </u>		
Woody Vine Stra	tum (Plot size: 10 meter radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present 🛛 Yes 🗹 No
4.					
5.					
-	Total Cover =	0			
Remarks:					
L					



Northeast and Northcentral Region

Applicant:       First Wind       County:       Hancock         Investigator #1:       Katelin Nickerson       Investigator #2:       Jeanna Leclerc       State:       Maine         Soil Unit:       Brayton-Colonel association, 0-8% slopes, v. stony       NWI/WWI Classification:       PFO       Vetland ID:       W005_2         Landform:       Depression       Local Relief:       Concave       Sample Point:       Wetland         Slope (%):       0-3       Latitude:       44.825223       Longitude:       -68.233072       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Image:       Yes       No         Are Vegetation       , Soil       , or Hydrology       isgnificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       , or Hydrology       naturally problematic?       Yes       No       No       No         SUMMARY OF FINDINGS       Hydrology Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yes       No         Wetland Hydrology Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yes       No												
Investigant f1: Katelin Nakerson         Investigant f2: Leand Leckc         State:         Maine           Still Unit:         Depression         Local Relif: Concree         Barrier NUWWIGAL         Barrier NUWWIGAL           State International Control Concrete         Depression         Local Relif: Concree         Barrier NUWWIGAL         Barrier NUWWIGAL           Are channel Concrete         International Control Concrete         No         Detains:         No           Are channel Concrete         If Yes         No         Barrier NUWWIGAL         Barrier NUWGAL           Are channel Concrete         If Yes         No         Hord Concrete         Barrier NUWWIGAL           Status No         Hord Concrete         If Yes         No         Hord Concrete         Barrier Nummer           Status No         Hord Concrete         If Yes         No         Hord Concrete         Barrier Nummer           Status No         Hord Concrete         If Yes         No         Hord Concrete         If Yes         No           Status No         Hord Concrete         If Yes         No         Hord Concrete         If Yes         No           Status No         If Yes         No         Hord Concrete         If Yes         No           Status No         Hord Concre	Project/Site:	Weaver W	ind Project					Stantec Project #:	195600884		Date:	08/07/14
Investigant f1: Katelin Nakerson         Investigant f2: Leand Leckc         State:         Maine           Still Unit:         Depression         Local Relif: Concree         Barrier NUWWIGAL         Barrier NUWWIGAL           State International Control Concrete         Depression         Local Relif: Concree         Barrier Number Print: Wetland         Barrier Number Print: Wetland           Are channel Chydrologic continues of the site procession in the sit	Applicant:	First Wind									County:	Hancock
Soil Unit:       Bryton-Colored association, 05% loopes 4: story       NVMWV (Classification: PFO       Verland Dr. V005_2         Singler (%):       0.3       Lafinder:       Local Relief Concease       Data Miller       Data Miller       Singler (%):       0.3       Control Weight (%):       0.3       C		Katelin Nic	kerson		Investi	nator #2.	Jeanna	Leclerc			-	
Landom:       Dopression       Loca Reliet: Concave Surple: 00:       Sames Form:       Wetland Surple: 00:         Are dimatichyddologic conditions on the site bytical for this time of year? for oceans memacy       Ves.       No       Sector:       Sector: <td></td> <td></td> <td></td> <td></td> <td></td> <td>yαιοι πΖ.</td> <td></td> <td></td> <td>PEO</td> <td></td> <td></td> <td></td>						yαιοι πΖ.			PEO			
Sippe (%):       0.3       Latitude: 44.82523       Longitude: 062.33072       Datum:       Community (%):          Are Unpatched for the site Special for the site Specia for the site Special for the site Special for the si				lopes, v.					PFU			
Are elimitation/utilized or Areal and the site project for the time of year? are vegetarion of the site project of the time of year? are vegetarion of the site project of the time of year?       Yes       No												
Are Vegetation ()       Stall ()       or Hydrology ()       apturally rolebamatic?       Are normal circumstances present?       Township:											Community ID:	
Are vegetation [. Soil ] or PHydrology ] applicantly disturbed?       Are normal circumstances present?       Towesige	Are climatic/hyd	drologic cond	ditions on the site ty	pical for	this time	of year?	(If no, expl	ain in remarks)	🗹 Yes 🛛	No	Section:	
Are Vegetation (): Soli (): or Hydrology (): naturally problematic?       [] Yes [] No       Range: Dic         Hydrophylic Vagetation Present?       [] Yes [] No       Hydrophylic Vagetation Present?       [] Yes [] No         Hydrophylic Vagetation Present?       [] Yes [] No       Hydrophylic Vagetation Present?       [] Yes [] No       Hydrophylic Vagetation Present?       [] Yes [] No       Hydrophylic Vagetation Present?       [] Yes [] No       Hydrophylic Vagetation Present?       [] Yes [] No       Hydrophylic Vagetation Present?       [] Yes [] No       Hydrophylic Vagetation Present?       [] Yes [] No       Hydrophylic Vagetation Present?       [] Yes [] No       Hydrophylic Vagetation Present?       [] Yes [] No       [] Hydrophylic Vagetation Present?       []									ances presen	t?	Townshin	
Study Vor E Find No.         Long         Long <thlong< th=""> <thlong< th=""> <thlong< td="" th<=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td> Dir:</td></thlong<></thlong<></thlong<>												Dir:
Hydro Solis Present?       Yes       No       Hydro Solis Present?       Yes       No         Remarks:       Is This Sampling Point Within A Wetland?       Yes       No         Wetland Hydrology Present?       Is This Sampling Point Within A Wetland?       Yes       No         Wetland Hydrology Indicators (Check hore if indicators are not present       :       :       :       .       Secondary       Bit This Sampling Point Within A Wetland?       Yes       No         Wetland Hydrology Indicators (Check hore if indicators are not present       :       :       :       .       Secondary       Bit This Sampling Point Within A Wetland?       Yes       No         Mediand Hydrology Indicators (Check hore if indicators are not present)       :       :       .       Secondary       Bit This Sampling Point Within A Wetland       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :       :	0			urally pi	Oplemat			1 163			Range.	DII
Wetland Hydrology Present?       Yes       No       Is This Sampling Point Within A Wetland?       Vet < No         Remarks:         WORKLOGY         Workland Hydrology Indicators (Check here II indicators are not present												
Remarks:         Wolland Hydrology Indicators (Check here if Indicators are not present       ):         Primary       A - High Water Table       B9 - Water Statered Leaves         B1 - Austite Table       B1 - Austite Table       B9 - Mainer Statered Leaves         B1 - Water Marks       C1 - Hydrogen State Caches       B9 - Daniage Patterns         B1 - Main Marks       C1 - Hydrogen State Caches       B9 - Daniage Patterns         B1 - Auguite Faulte       C2 - Dry-Seasen Water Table       C2 - Dry-Seasen Water Table         B1 - Auguite Caches       C3 - Fini Mark Stringe Caches       C3 - Dry-Seasen Water Table         B1 - Auguite Caches       C3 - Fini Mark Stringe Caches       C3 - Dry-Seasen Water Table         B1 - Stringer St	Hydrophytic Ve	getation Pre	sent?			🗆 No			Hydric Soils	Present?		🗹 Yes 🗆 No
Remarks:         Wolland Hydrology Indicators (Check here if Indicators are not present       ):         Primary       A - High Water Table       B9 - Water Statered Leaves         B1 - Austite Table       B1 - Austite Table       B9 - Mainer Statered Leaves         B1 - Water Marks       C1 - Hydrogen State Caches       B9 - Daniage Patterns         B1 - Main Marks       C1 - Hydrogen State Caches       B9 - Daniage Patterns         B1 - Auguite Faulte       C2 - Dry-Seasen Water Table       C2 - Dry-Seasen Water Table         B1 - Auguite Caches       C3 - Fini Mark Stringe Caches       C3 - Dry-Seasen Water Table         B1 - Auguite Caches       C3 - Fini Mark Stringe Caches       C3 - Dry-Seasen Water Table         B1 - Stringer St	Wetland Hvdro	oav Present	?		Yes	🗆 No			Is This Sam	olina Point ^v	Within A Wetlan	d? 🗹 Yes 🗖 No
Wetand Hydrology Indicators (Check here if indicators are not present												
Remarks:         SOLS         Top       Bottom       Texture         Top       Bottom       Texture         Motion: NR       Motion: NR       Texture         Top       Bottom       Texture         Motion: NR       Note: the degeneration of the detered of volation: )       Texture         Top       Bottom       Texture         Top       Depth       Horizon       Color (Moist)       %       Texture         Top       Bottom       Texture         Top       Top       Location (e.g. clay, sand, loam)         36       O       1       Texture         Top       Texture       Texture         Texture       Texture         Texture       Texture         Texture       Texture         Texture       Texture       Texture	Field Observat Surface Water Water Table Pr	A1 - Surface A2 - High Wa A3 - Saturatii B1 - Water M B2 - Sedimer B3 - Drift Der B4 - Algal Ma B5 - Iron Der B7 - Inundati B8 - Sparsely tions: Present?	Water ater Table on larks ht Deposits posits at or Crust posits on Visible on Aerial Ima y Vegetated Concave S Yegetated Concave S	igery urface Depth: Depth:	0	B9 - Watt B13 - Aqt B15 - Ma C1 - Hydd C3 - Oxid C4 - Pres C6 - Rect C7 - Thin Other (Ex	er-Stained Jatic Faun I Deposits ogen Sulfi ized Rhizo ence of Ro ent Iron Re Muck Sur	Leaves a de Odor spheres on Living Roots educed Iron valuction in Tilled Soils face	Wetland Hy		B10 - Drainage Pa B16 - Moss Trim C2 - Dry-Season C8 - Crayfish Bur C9 - Saturation V/ D1 - Stunted or S D2 - Geomorphic D3 - Shallow Aqu D4 - Microtopogra D5 - FAC-Neutral	atterns Lines Water Table rows sible on Aerial Imagery tressed Plants Position itard aphic Relief Test
Remarks:         SOLS         Top       Bottom       Texture         Top       Bottom       Texture         Motion: NR       Motion: NR       Texture         Top       Bottom       Texture         Motion: NR       Note: the degeneration of the detered of volation: )       Texture         Top       Bottom       Texture         Top       Depth       Horizon       Color (Moist)       %       Texture         Top       Bottom       Texture         Top       Top       Location (e.g. clay, sand, loam)         36       O       1       Texture         Top       Texture       Texture         Texture       Texture         Texture       Texture         Texture       Texture         Texture       Texture       Texture	Gaturation ries	ent:		Deptil.	U	(111.)						
Remarks:         SOILS         Profile Description (people to the downed to downer the indextor or confirm the absence of indextors.) (Type C-Concentration, D-Depletion, RM-Reduced Mark, CS-Concent/Coated Sand Graine, Loadon, PL-Pare Lineg, M-Materaj         Top       Bottom       Matrix       Mottles       Texture         0       1        NR <td< td=""><td>Describe Record</td><td>ed Data (stre</td><td>am gauge, monitoring</td><td>well, ae</td><td>rial photo</td><td>s, previou</td><td>s inspecti</td><td>ons), if available:</td><td></td><td>N/A</td><td></td><td></td></td<>	Describe Record	ed Data (stre	am gauge, monitoring	well, ae	rial photo	s, previou	s inspecti	ons), if available:		N/A		
SOLS         Profile Description (Description (Description, Declared Mark, CB-CoveredCared Stard Grads, Loador, PL-Pire Ling, Mutation)         Top       Bottom       Texture         Mottles       Texture         Depth       Horizon       Color (Moist)       %       Type       Location (e.g. clay, sand, loam)         36       O       1       Texture         a       a       Texture         a       a       Texture		,	00, 0		· ·	- 1						
Profile Description         Description         Description         Description         Matrix         Matrix         Texture           Top         Bottom         Matrix         •         •         •         Texture           36         0         1         •         NR         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •	Remarks.											
Profile Description         Description         Description         Description         Matrix         Matrix         Texture           Top         Bottom         Matrix         •         •         •         Texture           36         0         1         •         NR         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •         •												
Top Depth         Bottom         Image: Matrix         mottles         Texture           Depth         Horizon         Color (Moist)         %         Color (Moist)         %         Type         Location         (e.g. clay, sanple)           36         0         1         NR             mucky peat	SOILS											
Top Depth         Bottom         Image: Matrix         motelles         Texture           Depth         Horizon         Color (Moist)         %         Color (Moist)         %         Type         Location         (e.g. clay, sand, loam)           36         0         1         Image: Matrix         Image:	Profile Descrir	ntion (Describe to)	the depth needed to depumpet the ind	optor or confirm	a tha abaanaa af	indicators ) (Tur	o: C-Conceptre	tion D-Doplation RM-Reduced Matrix C	S-Coursed/Control Sond	Croine: Leastion: B	-Doro Lining M-Matrix)	
Depth         Horizon         Color (Moist)         %         Color (Moist)         %         Type         Location         (e.g. clay, sand, loam)           36         0         1          NR              mucky peat                    mucky peat			are departneeded to document the ind	Calor or commi		indicators.) (Typ	e. c=concentra	tion, D=Depletion, RM=Reduced Matrix, C		Grains, Location. Fi	=Pore Lining, M=Malix)	Toxturo
36       0       1        NR            mucky peat	•	Bottom				-			1			
-	Depth	Depth	Horizon	Color	(Moist)	%		Color (Moist)	%	Type	Location	(e.g. clay, sand, loam)
-	36	0	1		NR							mucky peat
Image: Second		-										
Image: Second Structure Solid Structure Solid Structure Solid Structure Solid Structure Solid Structure S												
Image: Stratified Layers       Image: Stratifi												
Image: Second												
Image: Solid Field Indicators (check here if indicators are not present												
Image: Solid Field Indicators (check here if indicators are not present												
Image: Second												
NRCS Hydric Soil Field Indicators (check here if indicators are not present):       Indicators for Problematic Soils 1         A1 - Histosol       S8 - Polyvalue Below Surface (LRR R, MLRA 149B)       A10 - 2 cm Muck (LRR K, L, MLRA 149B)         A2 - Histic Epipedon       S9 - Thin Dark Surface (LRR R, MLRA 149B)       A10 - 2 cm Muck (LRR K, L, R)         A3 - Black Histic       F1 - Loamy Mucky Mineral (LRR K, L)       S3 - 5cm Mucky Peat of Peat (LRR K, L, R)         A4 - Hydrogen Sulfide       F2 - Loamy Gleyed Matrix       S3 - 5cm Mucky Peat of Peat (LRR K, L, R)         A5 - Stratified Layers       F3 - Depleted Matrix       S8 - Polyvalue Below Surface (LRR K, L, M)         A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L, R)         A11 - Depleted Matrix       S8 - Sandy Muck Mineral       F8 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L, R)         S4 - Sandy Gleyed Matrix       F8 - Redox Depressions       F12 - Iron-Manganese Masses (LRR K, L, R)       F12 - Iron-Manganese Masses (LRR K, L, R)         S5 - Sandy Redox       F8 - Redox Depressions       F12 - Iron-Manganese Masses (LRR K, L, R)       F12 - Very Shallow Dark Surface         S7 - Dark Surface (LRR R, MLRA 149B)       TA6 - Mesic Spodic (MLRA 144A, 145, 149B)       T162 - Very Shallow Dark Surface         S7 - Dark Surface (LRR R, MLRA 149B)       T162 - Very Shallow Dark Surface       Other (Explain in Remarks)     <									-			
A1- Histosol       S8 - Polyvalue Below Surface (LRR R, MLRA 149B)       A10 - 2 cm Muck (LRR K, L, MLRA 149B)         A2 - Histic Epipedon       S9 - Thin Dark Surface (LRR R, MLRA 149B)       A16 - Coast Praire Redox (LRR K, L, R)         A3 - Black Histic       F1 - Loamy Mucky Mineral (LRR K, L)       S3 - Scm Mucky Peat of Peat (LRR K, L, R)         A4 - Hydrogen Sulfide       F2 - Loamy Gleyed Matrix       S3 - Scm Mucky Peat of Peat (LRR K, L, M)         A5 - Stratified Layers       F3 - Depleted Matrix       S8 - Polyvalue Below Surface (LRR K, L, M)         A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L, M)         A12 - Thick Dark Surface       F7 - Depleted Dark Surface       F12 - Ionamy Gleyed Matrix         A12 - Thick Dark Surface       F7 - Depleted Dark Surface       F12 - Ionamy Mucky Mineral         S4 - Sandy Muck Mineral       F8 - Redox Depressions       F12 - Ion-Manganese Masses (LRR K, L, R)         S5 - Sandy Redox       F8 - Redox Depressions       TF2 - Red Parent Material         S5 - Surdy Redox       F7 - Dark Surface (LRR R, MLRA 149B)       TF2 - Very Shallow Dark Surface         S6 - Stripped Matrix       S7 - Dark Surface (LRR R, MLRA 149B)       TF2 - Red Parent Material         S6 - Stripped Matrix       TF2 - Very Shallow Dark Surface       Very Shallow Dark Surface         S7 - Dark Surface (LRR R, MLRA 149B)       In												
(If Observed)	☑ A1- Histosol       □ S8 - Polyvalue Bela         □ A2 - Histic Epipedon       □ S9 - Thin Dark Surf         □ A3 - Black Histic       □ F1 - Loamy Mucky         □ A4 - Hydrogen Sulfide       □ F2 - Loamy Gleyed         □ A5 - Stratified Layers       □ F3 - Depleted Matri         □ A12 - Thick Dark Surface       □ F6 - Redox Dark Su         □ A12 - Thick Dark Surface       □ F7 - Depleted Dark         □ S1 - Sandy Muck Mineral       □ F8 - Redox Depres         □ S4 - Sandy Redox       □ S6 - Stripped Matrix         □ S7 - Dark Surface (LRR R, MLRA 149B)       □ S7 - Dark Surface (LRR R, MLRA 149B)							w Surface (LRR R, MLRA 149B) ace (LRR R, MLRA 149B) Viineral (LRR K, L) Matrix x frace Surface		A10 - 2 cm A16 - Coast S3 - 5cm M S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red F TF12 - Very Other (Expla	Muck (LRR K, L, MLRA 1 Prairie Redox (LRR Jcky Peat of Peat ( urface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L langanese Masses iont Floodplain Soi Spodic (MLRA 144A, 1 'arent Material Shallow Dark Surf ain in Remarks)	K, L, R) LRR K, L, R) ) : (LRR K, L, R) IS (MLRA 149B) 45, 149B)
in observed)		Type			Denth [.]				Hydric Soil	Present?		Yes I No
Remarks:		i ype:			Depth:				Hyunc Soll	riesent?		
	Remarks:											
	omano.											



Northeast and Northcentral Region

Tree Stratum (Plo 1. 2. 3.	Weaver Wind Project (Species identified in all uppercase are non-na ot size: 10 meter radius) Species Name	ative spec	ries )		Wetland ID: W005_2 Sample Point Wetland
Tree Stratum         (Plo           1.         2.           3.         3.	ot size: 10 meter radius) <u>Species Name</u>	tive spec	ries )		
1. 2. 3.	Species Name		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
2. 3.					
2. 3.			Dominant	Ind.Status	Dominance Test Worksheet
3.	Abies balsamea	25	Y	FAC	
-	Acer rubrum	15	Y	FAC	Number of Dominant Species that are OBL, FACW, or FAC: <u>8</u> (A)
	Betula alleghaniensis	15	Y	FAC	Table in the Construction Amount All Objects (D)
4.	Fraxinus pennsylvanica	5	N	FACW	Total Number of Dominant Species Across All Strata: 8 (B)
5.					
6. 7.					Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
7. 8.					Prevalence Index Worksheet
<u> </u>					
<u> </u>					Total % Cover of:Multiply by:OBL spp.5x 1 =5
10.	Total Cover =	60			
		00			FACW spp.       55       X       2 =       110         FAC spp.       88       X       3 =       264
Sopling/Shrub Stro	atum (Plot size: 5 meter radius)				FAC spp. $0 \times 4 = 0$
Sapling/Shrub Stra 1.	Alnus incana	50	Y	FACW	$\begin{array}{cccc} \text{PACU spp.} & 0 & X \ 4 = & 0 \\ \text{UPL spp.} & 0 & X \ 5 = & 0 \\ \end{array}$
2.	Abies balsamea	10	N	FAC	
3.					Total 148 (A) 379 (B)
4.					
5.					Prevalence Index = B/A = 2.561
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes
10.					✓ Yes □ No Dominance Test is > 50%
	Total Cover =	60			✓ Yes $\square$ No Prevalence Index is ≤ 3.0 *
					☐ Yes ☑ No Morphological Adaptations (Explain) *
Herb Stratum (Plot	t size: 2 meter radius)				☐ Yes ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Osmunda claytoniana	10	Y	FAC	
2.	Acer rubrum	5	Y	FAC	* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Linnaea borealis	5	Y	FAC	present, unless disturbed of problematic.
4.	Carex trisperma	5	Y	OBL	Definitions of Vegetation Strata:
5.	Trientalis borealis	3	Ν	FAC	·
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.					tall.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size,
13.					and woody plants less than 3.28 ft. tall.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	28			
Woody Vine Stratu	um (Plot size: 10 meter radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present 🗹 Yes 🗆 No
4.					
5.					
	Total Cover =	0			
Remarks:					



Are Vegetation	Colton-Her Side slope 5-10 Irologic cond , Soil , , Soil , FINDINGS getation Pres	rson mon Association, 5- Latitude: litions on the site typ or Hydrology □sigr or Hydrology □natu sent?	44.805456 vical for this	Loc Loc time of sturbed? ematic?		Linear -68.1920 p, explain in	VI/WWI Classification: Upland Wetland ID: Wo Sample Point: Uplature: Community ID:				 Dir: □ Yes ☑ No
Remarks:	ogy Present	!		⊔ Yes	⊡ NO			is this Samp	Diing Point V	vitnin A vvetian	d? ∎ Yes ≌ No
	A1 - Surface A2 - High Wa A3 - Saturatii B1 - Water M B2 - Sedimer B3 - Drift Dep B4 - Algal Ma B5 - Iron Dep B7 - Inundati B8 - Sparsel	ater Table on larks nt Deposits posits at or Crust	are not p	B9 - Wate B13 - Aqu B15 - Mar C1 - Hydr C3 - Oxidi C4 - Press C6 - Rece C7 - Thin	atic Faun I Deposits ogen Sulf zed Rhizo ence of R ent Iron Ro Muck Sur	a s ide Odor ospheres on Living Roots educed Iron eduction in Tilled Soils face			B6 - Surface Soil B10 - Drainage Pa B16 - Moss Trim I C2 - Dry-Season N C8 - Crayfish Burr C9 - Saturation Vi D1 - Stunted or St D2 - Geomorphic D3 - Shallow Aqui D4 - Microtopogra D5 - FAC-Neutral	atterns Lines Water Table ows sible on Aerial Imagery ressed Plants Position tard phic Relief	
Field Observat Surface Water Water Table Pro Saturation Pres	Present? esent? ent?	□ Yes ☑ No □ Yes ☑ No □ Yes ☑ No	Depth: Depth: Depth:		(in.) (in.) (in.)			Wetland Hy		esent?	Yes 🗹 No
Describe Record Remarks:	ed Data (str	eam gauge, monitorir	ig well, aeria	al photos	, previous	inspectio	ons), if available:		N/A		
rtemarks.											
SOILS											
		the depth needed to document the indi	cator or confirm the a		ators.) (Type: C=C	Concentration, D	=Depletion, RM=Reduced Matrix, CS=Cov		; Location: PL=Pore L	ining, M=Matrix)	Texture
Top	Bottom	Llarimon	Calar /	Matrix	0/		Color (Maint)	Mottles	Turne	Leastice	(e.g. clay, sand, loam)
Depth 0	Depth 5	Horizon	Color (I 10YR	4/6	% 100		Color (Moist)	%	Type	Location	sandy loam
5	8	2	10YR	5/8	100						sandy loam
	A1- Histosol A2 - Histic El A3 - Black Hi A4 - Hydroge A5 - Stratifier A11 - Deplete A12 - Thick I S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped	stic en Sulfide J Layers ed Below Dark Surface Dark Surface Juck Mineral Bleyed Matrix tedox	 re if indicate		S8 - Polyv S9 - Thin F1 - Loam	value Belc Dark Surf ny Mucky ny Gleyed eted Matri ox Dark So eted Dark	w Surface (LRR R, MLRA 1496) ace (LRR R, MLRA 1496) Mineral (LRR K, L) Matrix X Irface Surface		A10 - 2 cm A16 - Coast S3 - 5cm M S7 - Dark S S8 - Polyval S9 - Thin D2 F12 - Iron-M F19 - Piedm TA6 - Mesic TF12 - Red F TF12 - Very Other (Expla	 <u>matic Soils</u> 1 Muck (LRR K, L, MLRA 1 Prairie Redox (LRR ucky Peat of Peat ( urface (LRR K, L, M) ue Below Surface (LRR K, L) fanganese Masses nont Floodplain Soil : Spodic (MLRA 14A4, 1 arent Material Shallow Dark Surf ain in Remarks) ation and wetland hydrology n	K, L, R) LRR K, L, R) ) (LRR K, L, R) S (MLRA 149B) 45, 149B)
Restrictive Layer	Type:	Compaction		Depth:	8"			Hydric Soil			Yes 🗹 No
(If Observed) Remarks:		in 10% coarse fragn	nents.							_	
		Ŭ									



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project					Wetland ID: W047 Sample Point Upland
VEGETATION	(Species identified in all uppercase	se are non-native	species.	)		
Tree Stratum (Pl	ot size: 10 meter radius)					Deminence Test Worksheet
1	<u>Species Name</u> Betula papyrifera	-	<u>% Cover</u> 40	Dominant Y	Ind.Status FACU	Dominance Test Worksheet
1. 2.	Populus tremuloides		15	N	FACU	Number of Deminent Species that are OPL EACIN or EAC: $2 (A)$
3.	Picea rubens		15	N	FACU	Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)
4.	Acer rubrum		5	N	FACO	Total Number of Dominant Species Across All Strata: 5 (B)
5.	Abies balsamea		5	N	FAC	
6.						Percent of Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B)
7.						
8.						Prevalence Index Worksheet
9.						Total % Cover of: Multiply by:
10.						OBL spp5 X 1 =5
10.		Total Cover =	80			FACW spp. 10 $x 2 = 20$
			00			FAC spp. 45 $X = 135$
Sanling/Shrub Str	atum (Plot size: 5 meter radius)					FACU spp. 90 x 4 = $360$
1.	Thuja occidentalis		10	Y	FACW	UPL spp. 0 $x 5 = 0$
2.	Picea rubens		10	Ŷ	FACU	
3.	Nemopanthus mucronatus		5	N	OBL	Total <u>150</u> (A) <u>520</u> (B)
4.	Acer rubrum		5	N	FAC	
5.						Prevalence Index = B/A = <b>3.467</b>
6.						
7.						
8.						Hydrophytic Vegetation Indicators:
9.						☐ Yes
10.						☐ Yes  No Dominance Test is > 50%
		Total Cover =	30			☐ Yes ☑ No Prevalence Index is ≤ 3.0 *
						Yes Voc Morphological Adaptations (Explain) *
Herb Stratum (Plo	ot size: 2 meter radius)					☐ Yes ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Cornus canadensis		30	Y	FAC	
2.	Pteridium aquilinum		10	Y	FACU	<ul> <li>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>
3.						present, uness disturbed of problematic.
4.						Definitions of Vegetation Strata:
5.						
6						Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.						height (DBH), regardless of height.
8.						
9.						Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.						tall.
11.						
12.						Herb - All herbaceous (non-woody) plants, regardless of size, and
13.						woody plants less than 3.28 ft. tall.
14.						
15.						Woody Vines - All woody vines greater than 3.28 ft. in height.
		Total Cover =	40			
Woody Vine Strat	um (Plot size: 10 meter radius)					
1.						
2.						
3.						Hydrophytic Vegetation Present 🛛 Yes 🗹 No
4.						
5.						
		Total Cover =	0			
Remarks:						



Project/Site: Applicant: Investigator #1: Soil Unit: Landform: Slope (%): Are climatic/hyc Are Vegetation Are Vegetation SUMMARY OF Hydrophytic Veg Wetland Hydrol Remarks:	Colton-Her Depression 0-5 Irologic cond 0, Soil 0 FINDINGS getation Pres	rson mon Association, 5- Latitude: Latitude: Latitude: Latitude: Latitude: Sent?	44.805173	S Loc L S time of sturbed? ematic? ✓ Yes		Concave -68.19211 p, explain in	1	Datum: Yes ances present No Hydric Soils I	No ? Present?	Date: County: State: Wetland ID: Sample Point: Community ID: Section: Township: Range: Within A Wetland	08/27/14 Hancock Maine W047 Wetland    Dir: Dir: No 02 Yes ■ No
	A1 - Surface A2 - High Wa A3 - Saturatio B1 - Water M B2 - Sedimer B3 - Drift Dep B4 - Algal Ma B5 - Iron Dep B7 - Inundatio B8 - Sparsely	ater Table on larks nt Deposits posits at or Crust		B9 - Wate B13 - Aqu B15 - Mar C1 - Hydr C3 - Oxidi C4 - Pres C6 - Rece C7 - Thin	atic Fauna I Deposits ogen Sulfic ized Rhizo ence of Re ent Iron Re Muck Surf	de Odor spheres on Living Roots educed Iron duction in Tilled Soils ace			B6 - Surface Soil B10 - Drainage P B16 - Moss Trim I C2 - Dry-Season N C8 - Crayfish Burr C9 - Saturation Vi D1 - Stunted or St D2 - Geomorphic D3 - Shallow Aqui D4 - Microtopogra D5 - FAC-Neutral	atterns .ines Water Table ows sible on Aerial Imagery ressed Plants Position tard phic Relief	
Field Observat Surface Water I Water Table Pro Saturation Pres Describe Record Remarks:	Present? esent? ent?	Yes □ No     Yes □ No     Yes □ No     Yes □ No     Yes □ No eam gauge, monitorir	Depth: Depth: Depth: ng well, aeria	0 0	ns), if available:	Wetland Hyd	drology Pro	esent? ☑	Yes 🗆 No		
SOILS											
	tion (Describe to t	he depth needed to document the ind	icator or confirm the a	absence of indica	ators.) (Type: C=0	Concentration, D	Depletion, RM=Reduced Matrix, CS=Covi	ered/Coated Sand Grains;	Location: PL=Pore L	ining, M=Matrix)	
	tion (Describe to t Bottom	he depth needed to document the ind	icator or confirm the a	absence of indica Matrix	ators.) (Type: C=C	Concentration, D	Depletion, RM=Reduced Matrix, CS=Cove	ered/Coated Sand Grains; Mottles	Location: PL=Pore L	ining, M=Matrix)	Texture
Profile Descrip		the depth needed to document the ind	cator or confirm the a	Matrix	ators.) (Type: C=0	Concentration, D=	Depletion, RM=Reduced Matrix, CS=Cow		Location: PL=Pore L	ining, M=Matrix)	Texture (e.g. clay, sand, loam)
Profile Descrip Top Depth 38	Bottom Depth <u>30</u>	Horizon 1		Matrix Moist) NR	1	Concentration, D=		Mottles	1		(e.g. clay, sand, loam) peat
Profile Descrip Top Depth 38 30	Bottom Depth <u>30</u> 0	Horizon 1 2	Color (I  	Matrix Moist) NR NR	%  		Color (Moist)  	Mottles % 	Type  	Location 	(e.g. clay, sand, loam) peat mucky peat
Profile Descrip Top Depth 38 30 0	Bottom Depth 30 0 2	Horizon 1 2 3	Color (I   2.5Y	Matrix Moist) NR NR 4/1	%   60	  2.5Y	Color (Moist)   6/2	Mottles %  40	Type   D	Location   M	(e.g. clay, sand, loam) peat mucky peat silty clay loam
Profile Descrip Top Depth 38 30 0 	Bottom Depth 30 0 2 	Horizon 1 2 3 	Color (I   2.5Y 	Matrix Moist) NR NR 4/1 	%   60 	  2.5Y 	Color (Moist)  6/2 	Mottles           %              40	Type   D 	Location   M 	(e.g. clay, sand, loam) peat mucky peat silty clay loam 
Profile Descrip Top Depth 38 30 0  	Bottom Depth 30 0 2  	Horizon 1 2 3  	Color (I  2.5Y 	Matrix Moist) NR NR 4/1 	%  60 	  2.5Y 	Color (Moist)   6/2  	Mottles           %              40	Type  D  	Location   M  	(e.g. clay, sand, loam) peat mucky peat silty clay loam  
Profile Descrip Top Depth 38 30 0   	Bottom Depth 30 0 2   	Horizon 1 2 3   	Color (I  2.5Y  	Matrix Moist) NR 4/1  	%   60   	  2.5Y  	Color (Moist) 6/2	Mottles           %              40	Type  D  	Location   M   	(e.g. clay, sand, loam) peat mucky peat silty clay loam   
Profile Descrip Top Depth 38 30 0  	Bottom Depth 30 0 2  	Horizon 1 2 3  	Color (I  2.5Y 	Matrix Moist) NR NR 4/1 	%  60 	  2.5Y 	Color (Moist)   6/2  	Mottles           %              40	Type  D  	Location   M  	(e.g. clay, sand, loam) peat mucky peat silty clay loam  
Profile Descrip Top Depth 38 30 0    NRCS Hydric 0 0 0   NRCS Hydric 0 0 0 0     0 0  	Bottom           Depth           30           0           2                                                                                                        Soil Field In           A1 - Hydroge           A1 - Deplete           A1 - Sandy R           S5 - Sandy R           S6 - Stripped	Horizon  1 2 3	Color (I  2.5Y   	Matrix Moist) NR 4/1    	%              60                                                                                                                                                     S8 - Polyo           S9 - Thin	-	Color (Moist)	Mottles % 40 Indicator	Type              D                                                                                                  Sfor Proble           A10 - 2 cm I           A16 - Coast           S8 - Polyval           S9 - Thin Da           F12 - Iron-M           F12 - Very           Other (Expla           Other (Expla           Other (Expla	Location   M    	(e.g. clay, sand, loam) peat mucky peat silty clay loam          -
Profile Descrip Top Depth 38 30 0    NRCS Hydric 0 0 0    0 0 0  	Bottom Depth 30 0 2    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifler A11 - Deplete A12 - Thick E S1 - Sandy M S4 - Sandy C S5 - Sandy R S6 - Stripped S7 - Dark Su	Horizon	Color (I  2.5Y   	Matrix Moist) NR 4/1   ors are r	%	-	Color (Moist)	Mottles % 40 Indicator	Type  D        -	Location M matic Soils 1 Muck (LRR K, L, MLRA 1- Prairie Redox (LRR Curk Yeat of Peat (I urface (LRR K, L, M) urface (LRR K, L, M) urface (LRR K, L, M) taganese Masses Sont Floodplain Soil Spodic (MLRA 14A, 1- Parent Material Shallow Dark Surfa in in Remarks) tion and wetland hydrology n	(e.g. clay, sand, loam) peat mucky peat silty clay loam        -
Profile Descrip Top Depth 38 30 0    NRCS Hydric 0 0 0    0 0 0  	Bottom Depth 30 0 2     Soil Field In A1- Histosol A2 - Histic Er A3 - Black Hi Histosol A2 - Histic Er A3 - Black Hi Histosol A2 - Histic Er A3 - Black Hi S - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Su	Horizon	Color (I	Matrix Moist) NR 4/1   ors are r	%	-	Color (Moist)	Mottles % 40 Indicator	Type  D        -	Location M matic Soils 1 Muck (LRR K, L, MLRA 1- Prairie Redox (LRR Curk Yeat of Peat (I urface (LRR K, L, M) urface (LRR K, L, M) urface (LRR K, L, M) taganese Masses Sont Floodplain Soil Spodic (MLRA 14A, 1- Parent Material Shallow Dark Surfa in in Remarks) tion and wetland hydrology n	(e.g. clay, sand, loam) peat mucky peat silty clay loam          -



Northeast and Northcentral Region

VECETATION         (genetic dentified in al opperations of an anticity in status           Tries 32 matrix in prevention (colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"     Colspan="2"     Colspan="2"     Colspan="2"     Colspan="2"     Colspan="2"     Colspan="2" <th< th=""><th>Project/Site:</th><th>Weaver Wind Project</th><th></th><th></th><th></th><th></th><th>Wetland ID: W047 Sample Point Wetland</th></th<>	Project/Site:	Weaver Wind Project					Wetland ID: W047 Sample Point Wetland
Tree       Sector       Definition       Total Number of Dominant Species that are OBL, PACW, or PAC:							
Species Name	VEGETATION		ase are non-native	species.)			
1.       Abbs taskarnea       25       Y       FAC         2.       Trula condentiais       15       Y       FAC         3.       Picca rubans       5       N       FAC         4.       Batcha alleghaniansis       5       N       FAC         5.       -       -       -       -         6.       -       -       -       -         7.       -       -       -       -         9.       -       -       -       -         10.       -       -       -       -         9.       -       -       -       -         9.       -       -       -       -         10.       -       -       -       -         10.       -       -       -       -         1.       Anine incana       40       Y       FAC         2.       Thua coolentais       10       Y       FAC         3.       -       -       -       -         9.       -       -       -       -         10.       -       -       -       -         11.	Tree Stratum (Pl						
2.       Truje occidentalis       15       Y       FACUY         3.       Procear ubons       5       N       FACUY         4.       Obtained alloghanionsis       5       N       FACUY         5.             6.             8.             9.             10.             10.             11.       Afrust incoral       40       Y       FACU          12.       Total Cover =       50            12.               13.                 14. <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>Dominance Test Worksheet</td>			-				Dominance Test Worksheet
3.       Price ubans       5       N       FACU         4.       Behalta alleghaniensis       5       N       FACU         5.             7.             7.             8.             9.             10.             10.             11.       Altris incane            3.             6.             7.             8.             7.             8.             9.             10.							
4       Defulial Supplanionsis       5       N       FAC         5		•					Number of Dominant Species that are OBL, FACW, or FAC: 6 (A)
5.             6.                                                                                                                <							
6. <t< td=""><td></td><td>· · · · · ·</td><td></td><td></td><td></td><td></td><td>Total Number of Dominant Species Across All Strata: 6 (B)</td></t<>		· · · · · ·					Total Number of Dominant Species Across All Strata: 6 (B)
7.            8.             10.             SupingShub Stratum (Plot size: 5 meter radua)             10.               SupingShub Stratum (Plot size: 5 meter radua)							
8.            Provalence Index Worksheet         9.	-						Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
9. ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··       ··							
10       Total Cover = 50         Saping/Shub Stratum (Plot size: 5 meter radius)          1. Alrus incara       40       Y         2. Thruje accidentalis       10       Y         3           4           5           6           7           8           9           10           7           7           10           7           7           10           10           11. Feb Stratum (Plot size: 2 meter radius)          12           13           14. Acer rubram       5       N       FAC         15            16 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Total Cover =       50         Saping/Bhub Stratum (Plot size: 5 meter radius)							
$ \frac{1}{1 + 4 + 2} + \frac{1}{2 + $	10.						
1.       Ahrus incana       40       Y       FACW         2.       Thuja occidentalis       10       Y       FACW         3.             4.             5.             6.             7.             9.             10.             10.             10.             11.       Rubus hispidus       40       Y       FACW         2.       Glyceria molicaria       20       Y       OBL         3.              4.       Accur rubrum       5       N       FAC         5.              7.              10.			Total Cover =	50			FACW spp. $105$ X 2 = $210$
1.       Ahrus incana       40       Y       FACW         2.       Thuja occidentalis       10       Y       FACW         3.             4.             5.             6.             7.             9.             10.             10.             10.             11.       Rubus hispidus       40       Y       FACW         2.       Glyceria molicaria       20       Y       OBL         3.              4.       Accur rubrum       5       N       FAC         5.              7.              10.							FAC spp. 50 $x 3 = 150$
2.       Thuja occidentalis       10       Y       FACW         3. <t< td=""><td>Sapling/Shrub Str</td><td></td><td></td><td></td><td></td><td></td><td>FACU spp. <u>5</u> X 4 = <u>20</u></td></t<>	Sapling/Shrub Str						FACU spp. <u>5</u> X 4 = <u>20</u>
3. · · · · · · · · · · · · · · · · · · ·							UPL spp. 0 $X 5 = 0$
4. <t< td=""><td></td><td></td><td></td><td></td><td>Y</td><td></td><td></td></t<>					Y		
5           Prevalence index = B/A =222							Total <u>180</u> (A) <u>400</u> (B)
6. <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
7.            8.            9.            10.            Total Cover =       50           10.            10.            10.            11.       Rubus hispidus       40       Y       FACW         2.       Clyceria melicaria       20       Y       OBL         3.       Osmunda claytoniana       15       N       FAC         6.             7.             8.             10.             11.             12.             12.             13.             14.       -	5.						Prevalence Index = B/A = 2.222
8. <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
9. <t< td=""><td>7.</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	7.						
10            Total Cover = 50       Yes       No       Dominance Test is > 50%         Herb Stratum (Plot size: 2 meter radus)        Yes       No       Prevalence Index is ≤ 3.0*         1.       Rubus hispidus       40       Y       FACW         3.       Osmunda claytoniana       15       N       FACW         4.       Acer rubrum       5       N       FAC         6             7.             8.             10.             11.             12.             13.             14.             15.             14.             15.             14.	8.						Hydrophytic Vegetation Indicators:
Total Cover =       50         Herb Stratum (Plot size: 2 meter radius)	9.						Yes I No Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 1 meter radius)	10.						Yes INO Dominance Test is > 50%
Herb Stratum (Plot size: 2 meter radius)			Total Cover =	50			✓ Yes
1.       Rubus hispidus       40       Y       FACW         2.       Glyceria melicaria       20       Y       OBL       Pindicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         3.       Osmunda claytoniana       15       N       FAC         4.       Acer rubrum       5       N       FAC         5.             6             6             9.             11.             12.             13.             14.             15.             14.             15.             16.             15.          <							Yes I No Morphological Adaptations (Explain) *
1.       Rubus hispidus       40       Y       FACW         2.       Głyceria melicaria       20       Y       OBL       * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         3.       Osmunda claytoniana       15       N       FAC         4.       Acer rubrum       5       N       FAC         5.       -       -       -       -         6       -       -       -       -         7.       -       -       -       -         9.       -       -       -       -         10.       -       -       -       -         11.       -       -       -       -         12.       -       -       -       -         13.       -       -       -       -         14.       -       -       -       -         Total Cover =       80       -       -       -         1.       -       -       -       -       -         13.       -       -       -       -       -         15.       -       -       -       -       -	Herb Stratum (Plo	ot size: 2 meter radius)					☐ Yes
2.       Gip/certa melicaria       20       Y       Observed       present, unless disturbed or problematic.         3.       Osmunda claytoniana       15       N       FAC         4.       Acer rubrum       5       N       FAC         6             7.             8.             9.             10.             11.             12.             13.             15.             15.             11.             15.             16.             17.             16.	1.	Rubus hispidus		40	Υ	FACW	
3.       Osmunda claytoniana       15       N       FAC         4.       Accer rubrum       5       N       FAC         5.             6             7.             8.             10.             11.             12.             13.             15.             15.             14.             15.             16.             17.             16.             17.	2.	Glyceria melicaria		20	Υ	OBL	
5.            6            7.            8.            9.            10.            11.            13.            14.            15.            16.            13.            14.            15.            16.            17.            18.             19.             12.             16.             17. <t< td=""><td>3.</td><td>Osmunda claytoniana</td><td></td><td>15</td><td>Ν</td><td>FAC</td><td>present, unless disturbed of problematic.</td></t<>	3.	Osmunda claytoniana		15	Ν	FAC	present, unless disturbed of problematic.
5.            6            7.            8.            9.            10.            11.            13.            14.            15.            16.            13.            14.            15.            16.            17.            18.             19.             12.             16.             17. <t< td=""><td>4.</td><td>Acer rubrum</td><td></td><td>5</td><td>Ν</td><td>FAC</td><td>Definitions of Vegetation Strata:</td></t<>	4.	Acer rubrum		5	Ν	FAC	Definitions of Vegetation Strata:
7, <t< td=""><td>5.</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	5.						
7, <t< td=""><td>6</td><td></td><td></td><td></td><td></td><td></td><td>Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast</td></t<>	6						Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
9.                 10.             11.            11.             11.             11.             11.                11.	7.						height (DBH), regardless of height.
10.                1all.         11.                1all.	8.						
10.             11.             12.             13.             14.             15.             16.             17.             1.             1.             1.             1.             1.             3.             3.             4.             5.             5.             5.	9.						Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
11.             12.             13.             14.             15.             15.             15.             16.             17.             1.             2.             3.             4.             5.             5.             Total Cover =       0							tall.
12.                 Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.         14.             Woody Vines - All woody vines greater than 3.28 ft. tall.         15.             Woody Vines - All woody vines greater than 3.28 ft. in height.         Woody Vine Stratum (Plot size: 10 meter radius)              1.							
13.                                 Woody Vines - All woody vines greater than 3.28 ft. tall.       Woody Vines - All woody vines greater than 3.28 ft. in height.	12.						Herb - All herbaceous (non-woody) plants, regardless of size, and
14.                 Woody Vines - All woody vines greater than 3.28 ft. in height.         15.        Total Cover =       80							woody plants less than 3.28 ft. tall.
15.           Woody Vines - All woody vines greater than 3.28 ft. in height.         Woody Vine Stratum (Plot size: 10 meter radius)              1.               2.               3.							
Total Cover = 80         Woody Vine Stratum (Plot size: 10 meter radius)         1.                                                                                                              <							Woody Vines - All woody vines greater than 3.28 ft. in height.
Woody Vine Stratum (Plot size: 10 meter radius)			Total Cover =	80			
1.             2.             3.             4.             5.             Total Cover =       0							
1.             2.             3.             4.             5.             Total Cover =       0	Woody Vine Strat	um (Plot size: 10 meter radius)					
2.             3.             4.             5.             Total Cover =       0							
3.          4.          5.          Total Cover =     0							
4.          5.          Total Cover = 0							Hydrophytic Vegetation Present Ves D No
5 Total Cover = 0							
Total Cover = 0							
	<u> </u>		Total Cover -				
	Remarks:	Sphagnum en mat through		U			
	Nomains.	opnaynum sp. mat miðugi	iout.				

Additional Remarks: 100% Sphagnum cover



Project/Site: Applicant: Investigator #1: Soil Unit: Landform: Slope (%): Are climatic/hyc Are Vegetation Are Vegetation Are Vegetation <b>SUMMARY OF</b> Hydrophytic Ve Wetland Hydrol Remarks:	Colonel-Brayto Rise 3-8 drologic cond D, Soil D FINDINGS getation Pres	rc Dr-Dixfield association, Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitude Latitu	e: 44.804659	stony Loc stime of sturbed? ematic?	s ⊡ No	NV Convex -68.2138 o, explain in	VI/WWI Classification: 82	Datum:	No :? Present?	Date: County: State: Wetland ID: Sample Point: Community ID: Section: Township: Range: Within A Wetland	08/14/14 Hancock Maine W070 Upland    Dir: Pir: No 2 No 2 No												
	A1 - Surface A2 - High Wa A3 - Saturatic B1 - Water M B2 - Sedimer B3 - Drift Dep B4 - Algal Ma B5 - Iron Dep B7 - Inundatii B8 - Sparsely	ater Table on larks nt Deposits posits at or Crust	nagery	•	B9 - Wate B13 - Aqu B15 - Mar C1 - Hydr C3 - Oxid C4 - Pres C6 - Rece C7 - Thin	uatic Faun rl Deposits rogen Sulf ized Rhizo ence of R ent Iron Re Muck Sur	a de Odor ospheres on Living Roots educed Iron sduction in Tilled Soils face			B6 - Surface Soil ( B10 - Drainage Pa B16 - Moss Trim L C2 - Dry-Season V C8 - Crayfish Burr C9 - Saturation Vis D1 - Stunted or St D2 - Geomorphic D3 - Shallow Aqui D4 - Microtopogra D5 - FAC-Neutral	atterns .ines Water Table ows sible on Aerial Imagery ressed Plants Position tard phic Relief												
Field Observat Surface Water Water Table Pr Saturation Pres Describe Record Remarks:	Present? esent? ent?	<ul> <li>Yes ♥ No</li> <li>Yes ♥ No</li> <li>Yes ♥ No</li> <li>Yes ♥ No</li> </ul>	Depth: Depth: Depth: ring well, aeria		(in.) (in.) (in.) , previous	inspectio	ns), if available:	Wetland Hyd	drology Pro	esent? 🗆	Yes 🗹 No												
itemarks.																							
SOILS																							
SOILS Profile Descrip		he depth needed to document the	ndicator or confirm the a		ators.) (Type: C=6	Concentration, E	=Depletion, RM=Reduced Matrix, CS=Cov		Location: PL=Pore L	ining, M=Matrix)	Toxturo												
SOILS Profile Descrip Top	Bottom			Matrix		Concentration, E		Mottles			Texture												
SOILS Profile Descrip Top Depth	Bottom Depth	Horizon	Color (	Matrix Moist)	%		Color (Moist)	Mottles %	Туре	Location	(e.g. clay, sand, loam)												
SOILS Profile Descrip Top	Bottom Depth 5	Horizon 1	Color ( 	Matrix Moist) NR	% 100		Color (Moist)	Mottles % 	Type 	Location 	(e.g. clay, sand, loam) fibric organic												
SOILS Profile Descrip Top Depth	Bottom Depth 5 	Horizon 1 	Color (	Matrix Moist) NR 	% 100 		Color (Moist)	Mottles %  	Type  	Location  	(e.g. clay, sand, loam) fibric organic 												
SOILS Profile Descrip Top Depth	Bottom Depth 5 	Horizon 1  	Color (  	Matrix Moist) NR	% 100		Color (Moist)	Mottles % 	Type  	Location   	(e.g. clay, sand, loam) fibric organic  												
SOILS Profile Descrip Top Depth 0	Bottom Depth 5 	Horizon 1 	Color (	Matrix Moist) NR  	% 100  	  	Color (Moist)	Mottles %   	Type  	Location  	(e.g. clay, sand, loam) fibric organic 												
SOILS Profile Descrip Top Depth 0  	Bottom Depth 5   	Horizon 1    	Color (   	Matrix Moist) NR   	% 100   	  	Color (Moist)	Mottles           %	Type   	Location    	(e.g. clay, sand, loam) fibric organic   												
SOILS Profile Descrip Top Depth 0 	Bottom Depth 5  	Horizon 1   	Color (   	Matrix Moist) NR   	% 100   	  	Color (Moist)	Mottles %   	Type   	Location    	(e.g. clay, sand, loam) fibric organic    												
SOILS Profile Descrip Top Depth 0   	Bottom Depth 5     	Horizon 1     	Color (     	Matrix Moist)     	% 100    	   	Color (Moist)	Mottles           %	Type     	Location     	(e.g. clay, sand, loam) fibric organic      												
SOILS Profile Descrip Top Depth 0 NRCS Hydric	Bottom Depth 5        Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifice A11 - Deplete A12 - Thick E S1 - Sandy M S4 - Sandy R S4 - Sandy R S5 - Sandy R S6 - Stripped	Horizon 1 dicators (check h bipedon stic n Sulfide 1 Layers ed Below Dark Surface luck Mineral ileyed Matrix edox	Color (	Matrix Moist) NR     ors are r	%           100                                   S8 - Polyon           S9 - Thin	            	Color (Moist) ): w Sulface (LRR R, MLRA 149B) Mineral (LRR K, L) Matrix X //face Sulface	Mottles %	Type	Location      	(e.g. clay, sand, loam) fibric organic        -												
SOILS Profile Descrip Top Depth 0 NRCS Hydric	Bottom Depth 5      Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifiec A11 - Deplete A5 - Stratifiec A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Su	Horizon 1        dicators (check h bipedon stic on Sulfide 1 Layers ed Below Dark Surface bark Surface luck Mineral leyed Matrix redox Matrix rface (LRR R, MLRA 1496)	Color (	Matrix Moist) NR      cors are r	%           100                                                                                                                       S9 - Thin           F1 - Loan           F3 - Deply           F8 - Redo           F8 - Redo	            	Color (Moist) ): w Sulface (LRR R, MLRA 149B) Mineral (LRR K, L) Matrix X //face Sulface	Mottles %	Type                                                                                                                          State           State <tr tr=""> <tr< td=""><td>Location matic Soils 1 Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Jucky Peat of Peat (u urface (LRR K, L, M) ue Below Surface (LRR K, L) langanese Masses ont Floodplain Soils Spodic (MLRA 144, 14 Parent Material Shallow Dark Surfa in in Remarks) tion and wetland hydrology m</td><td>(e.g. clay, sand, loam) fibric organic          -</td></tr<></tr> <tr><td>SOILS Profile Descrip Top Depth 0 NRCS Hydric</td><td>Bottom Depth 5      Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifiec A11 - Deplete A5 - Stratifiec A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Su</td><td>Horizon 1 dicators (check h bipedon stic n Sulfide Layers de Below Dark Surface Dark Surface Dark Surface Dark Surface Matrix Ma</td><td>Color (</td><td>Matrix Moist) NR     ors are r</td><td>%           100                                                                                                                       S9 - Thin           F1 - Loan           F3 - Deply           F8 - Redo           F8 - Redo</td><td>            </td><td>Color (Moist) ): w Sulface (LRR R, MLRA 149B) Mineral (LRR K, L) Matrix X //face Sulface</td><td>Mottles %</td><td>Type                                                                                                                          State           State      <tr tr=""> <tr< td=""><td>Location matic Soils 1 Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Jucky Peat of Peat (u urface (LRR K, L, M) ue Below Surface (LRR K, L) langanese Masses ont Floodplain Soils Spodic (MLRA 144, 14 Parent Material Shallow Dark Surfa ain in Remarks) ation and wetland hydrology m</td><td>(e.g. clay, sand, loam) fibric organic          -</td></tr<></tr></td></tr>	Location matic Soils 1 Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Jucky Peat of Peat (u urface (LRR K, L, M) ue Below Surface (LRR K, L) langanese Masses ont Floodplain Soils Spodic (MLRA 144, 14 Parent Material Shallow Dark Surfa in in Remarks) tion and wetland hydrology m	(e.g. clay, sand, loam) fibric organic          -	SOILS Profile Descrip Top Depth 0 NRCS Hydric	Bottom Depth 5      Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifiec A11 - Deplete A5 - Stratifiec A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Su	Horizon 1 dicators (check h bipedon stic n Sulfide Layers de Below Dark Surface Dark Surface Dark Surface Dark Surface Matrix Ma	Color (	Matrix Moist) NR     ors are r	%           100                                                                                                                       S9 - Thin           F1 - Loan           F3 - Deply           F8 - Redo           F8 - Redo	            	Color (Moist) ): w Sulface (LRR R, MLRA 149B) Mineral (LRR K, L) Matrix X //face Sulface	Mottles %	Type                                                                                                                          State           State <tr tr=""> <tr< td=""><td>Location matic Soils 1 Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Jucky Peat of Peat (u urface (LRR K, L, M) ue Below Surface (LRR K, L) langanese Masses ont Floodplain Soils Spodic (MLRA 144, 14 Parent Material Shallow Dark Surfa ain in Remarks) ation and wetland hydrology m</td><td>(e.g. clay, sand, loam) fibric organic          -</td></tr<></tr>	Location matic Soils 1 Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Jucky Peat of Peat (u urface (LRR K, L, M) ue Below Surface (LRR K, L) langanese Masses ont Floodplain Soils Spodic (MLRA 144, 14 Parent Material Shallow Dark Surfa ain in Remarks) ation and wetland hydrology m	(e.g. clay, sand, loam) fibric organic          -
Location matic Soils 1 Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Jucky Peat of Peat (u urface (LRR K, L, M) ue Below Surface (LRR K, L) langanese Masses ont Floodplain Soils Spodic (MLRA 144, 14 Parent Material Shallow Dark Surfa in in Remarks) tion and wetland hydrology m	(e.g. clay, sand, loam) fibric organic          -																						
SOILS Profile Descrip Top Depth 0 NRCS Hydric	Bottom Depth 5      Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifiec A11 - Deplete A5 - Stratifiec A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Su	Horizon 1 dicators (check h bipedon stic n Sulfide Layers de Below Dark Surface Dark Surface Dark Surface Dark Surface Matrix Ma	Color (	Matrix Moist) NR     ors are r	%           100                                                                                                                       S9 - Thin           F1 - Loan           F3 - Deply           F8 - Redo           F8 - Redo	            	Color (Moist) ): w Sulface (LRR R, MLRA 149B) Mineral (LRR K, L) Matrix X //face Sulface	Mottles %	Type                                                                                                                          State           State <tr tr=""> <tr< td=""><td>Location matic Soils 1 Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Jucky Peat of Peat (u urface (LRR K, L, M) ue Below Surface (LRR K, L) langanese Masses ont Floodplain Soils Spodic (MLRA 144, 14 Parent Material Shallow Dark Surfa ain in Remarks) ation and wetland hydrology m</td><td>(e.g. clay, sand, loam) fibric organic          -</td></tr<></tr>	Location matic Soils 1 Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Jucky Peat of Peat (u urface (LRR K, L, M) ue Below Surface (LRR K, L) langanese Masses ont Floodplain Soils Spodic (MLRA 144, 14 Parent Material Shallow Dark Surfa ain in Remarks) ation and wetland hydrology m	(e.g. clay, sand, loam) fibric organic          -												
Location matic Soils 1 Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Jucky Peat of Peat (u urface (LRR K, L, M) ue Below Surface (LRR K, L) langanese Masses ont Floodplain Soils Spodic (MLRA 144, 14 Parent Material Shallow Dark Surfa ain in Remarks) ation and wetland hydrology m	(e.g. clay, sand, loam) fibric organic          -																						



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project					Wetland ID: W070 Sample Point Upland
-						
VEGETATION	(Species identified in all upperca	ase are non-native	species.	)		
Tree Stratum (Ple	ot size: 10 meter radius)					
_	<u>Species Name</u>	-		Dominant	Ind.Status	Dominance Test Worksheet
1.	Pinus strobus		20	Y	FACU	
2.	Picea rubens		20	Y	FACU	Number of Dominant Species that are OBL, FACW, or FAC: 1 (A)
3.						
4.						Total Number of Dominant Species Across All Strata: 7 (B)
5.						
6.						Percent of Dominant Species That Are OBL, FACW, or FAC: <u>14.3%</u> (A/B)
7.						
8.						Prevalence Index Worksheet
9.						Total % Cover of: Multiply by:
10.						OBL spp. 0 $x 1 = 0$
		Total Cover =	40			FACW spp. <u>5</u> X 2 = <u>10</u>
						FAC spp. 10 X $3 = 30$
Sapling/Shrub Str	atum (Plot size: 5 meter radius)					FACU spp. $150$ x 4 = $600$
1.	Picea rubens		20	Y	FACU	UPL spp. 0 $x 5 = 0$
2.	Acer rubrum		10	Y	FAC	
3.	Pinus strobus		5	Ν	FACU	Total 165 (A) 640 (B)
4.	Thuja occidentalis		5	N	FACW	
5.						Prevalence Index = B/A = 3.879
6.						
7.						
8.						Hydrophytic Vegetation Indicators:
9.						☐ Yes ☑ No Rapid Test for Hydrophytic Vegetation
10.						□ Yes ☑ No Dominance Test is > 50%
10.		Total Cover =	40			$\square$ Yes $\square$ No Prevalence Index is $\leq 3.0^*$
			40			☐ Yes ☑ No Morphological Adaptations (Explain) *
Horb Stratum (Blo	t size: 2 meter radius)					
	Maianthemum canadense		40	Y	FACU	Yes I No Problem Hydrophytic Vegetation (Explain) *
2.	Gaultheria procumbens		25	Y	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Vaccinium angustifolium		20	Y	FACU	present, unless disturbed or problematic.
4.						Definitions of Vegetation Strata:
4. 5.						Demittoris of Vegetation Strata.
6						
7.						Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
8.						Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
9.						tall.
10.						
11.						Hast All hophogenus (new yearship recordings of all and
12.						Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.						
14.						
15.						Woody Vines - All woody vines greater than 3.28 ft. in height.
		Total Cover =	85			
Woody Vine Strat	um (Plot size: 10 meter radius)					
1.						
2.						
3.						Hydrophytic Vegetation Present D Yes D No
4.						
5.						
		Total Cover =	0			
Remarks:						



	A1- Histosol A2 - Histic E _I A3 - Black H A4 - Hydroge A5 - Stratifier A11 - Deplete A12 - Thick I S1 - Sandy M S4 - Sandy G S5 - Sandy F S6 - Strippec S7 - Dark Su	istic en Sulfide d Layers ed Below Dark Surface Dark Surface Auck Mineral Bleyed Matrix Redox	Color (I  2.5Y     re if indicat	NR           5/1                             ors are n	S8 - Polyv S9 - Thin F1 - Loarr F2 - Loarr F3 - Deple F6 - Redo F7 - Deple F8 - Redo	2.5Y	Color (Moist) 7/1 NR	Mottles % 40 20 Indicator	A10 - 2 cm I A16 - Coast S3 - 5cm M S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red P TF12 - Very Other (Expla hydrophytic vegeta	Location  M M      -	K, L, R) LRR K, L, R) (LRR K, L, R) S (MLRA 149B) 15, 149B)
Depth 3 0 NRCS Hydric	0 8   Soil Field Ir A1- Histosol A2 - Histic E _I A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplett A12 - Thick I S1 - Sandy M S4 - Sandy R S5 - Sandy F S6 - Stripped	1 2       	 2.5Y        	Moist) NR 5/1 ors are n	100 40             -	2.5Y	Color (Moist) 7/1 NR	Mottles % 40 20 Indicator	       		(e.g. clay, sand, loam) muck silt loam          -
Depth 3 0 NRCS Hydric	0 8   Soil Field Ir A1- Histosol A2 - Histic E _I A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplett A12 - Thick I S1 - Sandy M S4 - Sandy R S5 - Sandy F S6 - Stripped	1 2       	 2.5Y        	Moist) NR 5/1 ors are n	100 40             -	2.5Y	Color (Moist) 7/1 NR	Mottles %  40 20             -			(e.g. clay, sand, loam) muck silt loam          -
Depth 3 0 NRCS Hydric	0 8   Soil Field Ir A1- Histosol A2 - Histic E _I A3 - Black Hi A4 - Hydrogg A5 - Stratifier A11 - Deplett A12 - Thick I S1 - Sandy M S4 - Sandy R S5 - Sandy F S6 - Strippec	1 2            	 2.5Y        	Moist) NR 5/1 ors are n	100 40             -	2.5Y	Color (Moist) 7/1 NR	Mottles % 40 20 Indicator	       	M M      matic Soils 1 Muck (LRR K, L, MLRA 14 Prairie Redox (LRR ucky Peat of Peat (L urface (LRR K, L, M) ue Below Surface (CR K, L) tanganese Masses iont Floodplain Soils Spodic (MLRA 144A, 14 Parent Material	(e.g. clay, sand, loam) muck silt loam        -
Depth 3 0 NRCS Hydric	0 8   Soil Field Ir A1- Histosol A2 - Histic El A3 - Black H A4 - Hydroge A5 - Stratified A1 - Deplett A1 - Deplett S1 - Sandy M S4 - Sandy G	1 2            	 2.5Y        	Moist) NR 5/1 ors are n	100 40             -	2.5Y	Color (Moist) 7/1 NR	Mottles %  40 20    <u></u> <u></u> <u>Indicator</u> 0 0 0 0 0 0 0 0	       		(e.g. clay, sand, loam) muck silt loam          -
Depth 3 0 NRCS Hydric	0 8   Soil Field Ir A1- Histosol A2 - Histic E ₁ A3 - Black H A4 - Hydroge A5 - Stratifie A1 - Deplet A12 - Thick I S1 - Sandy M	1 2     ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Juck Mineral	 2.5Y        	Moist) NR 5/1 ors are n	100 40             -	2.5Y	Color (Moist) 7/1 NR	Mottles %  40 20             -	       	M M    matic Soils 1 Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Ucky Peat of Peat (L urface (LRR K, L, M) ue Below Surface (lar Ark Surface (LRR K, L) langanese Masses tanganese Masses	(e.g. clay, sand, loam) muck silt loam          -
Depth 3 0    NRCS Hydric	0 8    Soil Field Ir A1- Histosol A2 - Histic E ₁ A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplett A12 - Thick I	1 2       ndicators (check he pipedon istic an Sulfide d Layers ed Below Dark Surface Dark Surface	 2.5Y        	Moist) NR 5/1 ors are n	100 40             -	2.5Y	Color (Moist) 7/1 NR	Mottles %     Indicator                                                                                                                                                                                                                                                                                                                                             	 D C            	M M     matic Soils ¹ Muck (LRR K, L, MLRA 14 Prairie Redox (LRR 14 Prairie Redox (LR 14 Urface (LRR K, L, M) ue Below Surface (LR K, L) anganese Masses	(e.g. clay, sand, loam) muck silt loam          -
Depth 3 0    NRCS Hydric	0 8   Soil Field Ir A1- Histosol A2 - Histic El A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplete	1 2       ndicators (check he pipedon istic an Sulfide d Layers ed Below Dark Surface	 2.5Y        	Moist) NR 5/1 ors are n	100 40    ot preser S8 - Polyv S9 - Thin F1 - Loar F2 - Loar F3 - Depk F6 - Redo	tt □) alue Belo Dark Surfa y Mucky N iy Gleyed ted Matrix x Dark Su	Color (Moist)  7/1 NR          -	Mottles %  40 20     <u></u> <u></u> <u>Indicator</u> 0 0	         	M M     matic Soils 1 Muck (LRR K, L, MLRA 14 Prairie Redox (LRR ucky Peat of Peat (L urface (LRR K, L, M) ue Below Surface (LR K, L) ark Surface (LR R, C, L)	(e.g. clay, sand, loam) muck silt loam        -
Depth 3 0    NRCS Hydric	0 8    Soil Field Ir A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratifier	1 2     ndicators (check he pipedon istic an Sulfide	 2.5Y        	Moist) NR 5/1 ors are r	100 40    so presen S8 - Polyv S9 - Thin F1 - Loarr F2 - Loarr	2.5Y          tt □) arlue Belor Dark Surfa y Mucky h y Mucky h	Color (Moist) 7/1 NR	Mottles %  40 20     Indicator □ □ □ □ □ □ □ □ □	 D C    <u></u> <u></u> <u></u> <u></u> <u></u> <u>-</u>	 M    matic Soils 1 Muck (LRR K, L, MLRA 1/2 Prairie Redox (LRR Ucky Peat of Peat (L ucky Peat of Peat (u	(e.g. clay, sand, loam) muck silt loam       
Depth 3 0     NRCS Hydric	0 8    Soil Field Ir A1- Histosol A2 - Histic E _I A3 - Black Hi	1 2       <b>ndicators</b> (check he pipedon istic	 2.5Y        	Moist) NR 5/1 ors are n	100 40     S8 - Polyo S9 - Thin F1 - Loam	 2.5Y      t □) ralue Belor Dark Surfa	Color (Moist) 7/1 NR	Mottles %  40 20     Indicator	 D C     s for Proble A10 - 2 cm J A16 - Coast S3 - 5cm M	 M M    matic Soils ¹ Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Prairie Redox (LR R Ucky Peat of Peat (	(e.g. clay, sand, loam) muck silt loam       
Depth 3 0    NRCS Hydric	0 8    Soil Field Ir A1- Histosol A2 - Histic El	1 2     ndicators (check he	 2.5Y        	Moist) NR 5/1     ors are n	100 40     sot presen S8 - Polyv S9 - Thin	 2.5Y     tr Dark Surfa	Color (Moist)  7/1 NR       w Surface (LRR R, MLRA 149B) ICE (LRR R, MLRA 149B)	Mottles %  40 20     Indicator	 D C    <b></b> <b></b> <b>5 for Proble</b> A10 - 2 cm   A16 - Coast	 M    matic Soils ¹ Muck (LRR K, L, MLRA 14 Prairie Redox (LRR	(e.g. clay, sand, loam) muck silt loam       
Depth 3 0     NRCS Hydric	0 8     <b>Soil Field Ir</b> A1- Histosol	1 2          hdicators (check he	 2.5Y        	Moist) NR 5/1        ors are n	100 40     sot presen S8 - Polyw	 2.5Y     it □) value Belo	Color (Moist) 7/1 NR	Mottles %  40 20     <u>Indicator</u> □	 D C     s for Proble A10 - 2 cm	 M M     matic Soils ¹ Muck (LRR K, L, MLRA 1/2	(e.g. clay, sand, loam) muck silt loam       
Depth 3 0      	0 8      	1 2     	 2.5Y        	Moist) NR 5/1     	100 40      	 2.5Y     	Color (Moist) 7/1 NR	Mottles           %              40           20	 D C     	 M    	(e.g. clay, sand, loam) muck silt loam      
Depth 3 0     	0 8     	1 2    	 2.5Y     	Moist) NR 5/1    	100 40    	 2.5Y   	Color (Moist)  7/1 NR    	Mottles           %              40           20	 D C  	 M  	(e.g. clay, sand, loam) muck silt loam      
Depth 3 0     	0 8    	1 2   	 2.5Y   	Moist) NR 5/1   	100 40   	 2.5Y   	Color (Moist)  7/1 NR   	Mottles           %              40           20	 D C  	 M M  	(e.g. clay, sand, loam) muck silt loam     
Depth 3 0  	0 8   	1 2  	 2.5Y  	Moist) NR 5/1  	100 40  	 2.5Y  	Color (Moist)  7/1 NR  	Mottles           %              40           20	 D C 	 M M  	(e.g. clay, sand, loam) muck silt loam   
Depth 3 0  	0 8 	1 2 	 2.5Y  	Moist) NR 5/1  	100 40  	 2.5Y 	Color (Moist)  7/1 NR 	Mottles           %              40           20	 D C 	 M M 	(e.g. clay, sand, loam) muck silt loam  
Depth 3 0 	0 8 	1 2 	 2.5Y 	Moist) NR 5/1 	100 40 	 2.5Y 	Color (Moist)  7/1 NR	Mottles           %              40           20	 D C	 M M	(e.g. clay, sand, loam) muck silt loam 
Depth 3 0	0	1 2	 2.5Y	Moist) NR 5/1	100 40	 2.5Y	Color (Moist)  7/1	Mottles           %              40	 D	 M	(e.g. clay, sand, loam) muck silt loam
Depth 3	0	1	`	Moist) NR	100		Color (Moist) 	Mottles % 			(e.g. clay, sand, loam) muck
Depth				Moist)	1		Color (Moist)	Mottles %			(e.g. clay, sand, loam)
	Depth	Horizon	Color (I		%			Mottles	Туре	Location	
Top				iviatrix			Depletion, RM=Reduced Matrix, CS=Cove				Texture
	Bottom		1				Depletion, RM=Reduced Matrix, CS=Cove				
	ption (Describe to	the depth needed to document the indi	icator or confirm the a	absence of indica	ators.) (Type: C=C	Concentration. D		vered/Coated Sand Grains:	Location: PL=Pore L	ining, M=Matrix)	
SOILS											
. tomanto.		sandos nator in pit			pography						
Remarks:		surface water in pit	-		-						
Describe Record	ded Data (str	eam gauge, monitorir	na well aeri:	al photos	previous	inspectio	ns), if available:		N/A		
Saturation Pres		✓ Yes □ No	Depth:		(in.)						
Water Table P		Yes □ No	Depth:		(in.)			Wetland Hyd	drology Pr	esent?	Yes 🗆 No
Surface Water		🗹 Yes 🔲 No	Depth:	1	(in.)						
Field Observa	tions:										
	Do - opaisei	y voyelaleu Culicave S								D5 - FAC-Neutral	
		on Visible on Aerial Ima v Vegetated Concave S			Other (Ex	plain in Re	marks)			D3 - Shallow Aquit D4 - Microtopogra	
	B5 - Iron Dep	oosits			C7 - Thin	Muck Surf	ace			D2 - Geomorphic	
	B4 - Algal Ma	at or Crust					duction in Tilled Soils		~	D1 - Stunted or St	ressed Plants
							spheres on Living Roots			C8 - Crayfish Burr C9 - Saturation Vis	ows sible on Aerial Imagery
							de Odor spheres on Living Roots				
~	A3 - Saturation	on			B15 - Mar	I Deposits				B16 - Moss Trim L	Lines
2 2										B10 - Drainage Pa	
Primary	<u>/:</u>   A1 - Surface	Water		5	B9 - Wate	r-Stained	eaves		Secondary:	B6 - Surface Soil (	Cracks
-		ators (Check here if	indicators	are not p	oresent	□):			<b>_</b> .		
HYDROLOGY											
Remarks:											
Wetland Hydro	logy Present	?		Yes	🗆 No			Is This Samp	ling Point \	Within A Wetland	d? 🛛 🗹 Yes 🗖 No
Hydrophytic Ve	egetation Pres	sent?		✓ Yes				Hydric Soils	Present?		🗹 Yes 🗌 No
SUMMARY OF		,									••
Are Vegetation			urally proble				✓ Yes		-	Range:	Dir:
Are Vegetation			hificantly dis			, explain in	Are normal circumsta		-	Township:	
		ditions on the site typ						Yes     □		Section:	
Slope (%):	Depressior 0-3		44.802552		ai Relief:			Datum:		Sample Point: Community ID:	Wetland
		onel association, 0-8% s	liopes, very s		al Relief:		/I/WWI Classification:	PFU		Wetland ID:	W070
Soil Unit: Landform:					gator #2:			DEO		State:	Maine
Soil Unit:	First Wind									County:	Hancock
		d Project					Stantec Project #:	195600884		Date:	08/14/14
Investigator #1 Soil Unit:	Weaver Wind									_	



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project				Wetland ID: W070 Sample Point Wetland
VEGETATION	(Species identified in all uppercase are non-native	species.)			
Tree Stratum (Pl	ot size: 10 meter radius)	~ ~			Deminance Test Werksheet
1.	<u>Species Name</u> Abies balsamea	<u>% Cover</u> 30	Dominant Y	Ind.Status FAC	Dominance Test Worksheet
2.	Acer rubrum	30	Y	FAC	Number of Dominant Species that are OPL EACW/ or EAC: $7$ (A)
3.	Picea rubens	15	Y	FACU	Number of Dominant Species that are OBL, FACW, or FAC: 7 (A)
4.					Total Number of Dominant Species Across All Strata: 9 (B)
4. 5.					
<u> </u>					Percent of Dominant Species That Are OBL, FACW, or FAC: 77.8% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					$\begin{array}{c c c c c c c c c c c c c c c c c c c $
10.	Total Cover =	75			FACW spp. 20 $x^{2} = 40$
		10			FAC spp. 92 $x = 276$
Sanling/Shrub Str	atum (Plot size: 5 meter radius)				FACU spp. 20 $x = \frac{210}{200}$
1.	Alnus incana	20	Y	FACW	UPL spp. 0 $x = 0$
2.	Abies balsamea	15	Ŷ	FAC	
3.					Total <u>132</u> (A) <u>396</u> (B)
4.					
5.					Prevalence Index = B/A = <b>3.000</b>
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					☐ Yes ☑ No Rapid Test for Hydrophytic Vegetation
10.					✓ Yes □ No Dominance Test is > 50%
	Total Cover =	35			Image: Second secon
					□ Yes ☑ No Morphological Adaptations (Explain) *
Herb Stratum (Plo	ot size: 2 meter radius)				☐ Yes ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Maianthemum canadense	5	Y	FACU	
2.	Trientalis borealis	5	Y	FAC	<ul> <li>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>
3.	Osmunda claytoniana	5	Y	FAC	
4.	Parathelypteris noveboracensis	5	Y	FAC	Definitions of Vegetation Strata:
5.	Linnaea borealis	2	Ν	FAC	
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.					tall.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.					woody plants less than 3.28 ft. tail.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	22			
L					
Woody Vine Strat	um (Plot size: 10 meter radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present 🗹 Yes 🗆 No
4.					
5.					
	Total Cover =	0			
Remarks:					



Project/Site:	Weaver Win	d Drojaat					Stantec Project #:	195600884		Date:	08/08/14
Applicant:	First Wind	u Flojeci						19000004		County:	Hancock
Investigator #1:		arc		Investi	gator #2:					State:	Maine
Soil Unit:		ams complex, 3-15%	slones	moot	igator #2.	NV	VI/WWI Classification:	Upland		Wetland ID:	W083
Landform:	Rise		olopoo	Loc	al Relief:			opland		Sample Point:	Upland
Slope (%):	3-8	Latitude:	44.804659		ongitude:			Datum:		Community ID:	
		ditions on the site typ			<u> </u>				No	Section:	
Are Vegetation		or Hydrology 🗆 sign	ificantly dis	sturbed?		,	Are normal circumsta		-	Township:	
Are Vegetation	$\Box$ , Soil $\Box$ ,	or Hydrology	rally proble	ematic?			Yes	□No		Range:	Dir:
SUMMARY OF	FINDINGS	or Hydrology □natu	21							Ŭ	
Hydrophytic Ve	getation Pre	sent?		Yes	🗹 No			Hydric Soils I	Present?		🗆 Yes 🗹 No
Wetland Hydrol				🗆 Yes	🗹 No			Is This Samp	ling Point \	Within A Wetland	d? 🔲 Yes 🗹 No
Remarks:											
HYDROLOGY											
Wetland Hydr	ology Indica	ators (Check here if	indicators	are not p	oresent	☑):					
Primary		,		•		_,			Secondary:		
	A1 - Surface			_	B9 - Wate					B6 - Surface Soil	
	A2 - High Wa A3 - Saturati				B13 - Aqu B15 - Mar					B10 - Drainage Pa B16 - Moss Trim I	
	B1 - Water M									C2 - Dry-Season \	
	B2 - Sedime	nt Deposits			C3 - Oxidi	zed Rhizo	spheres on Living Roots			C8 - Crayfish Burr	ows
	B3 - Drift De						educed Iron			C9 - Saturation Vi D1 - Stunted or St	sible on Aerial Imagery
	B4 - Algal Ma B5 - Iron Der						eduction in Tilled Soils			D1 - Stunted or St D2 - Geomorphic	
		on Visible on Aerial Ima	gery	ä						D3 - Shallow Aqui	
	B8 - Sparsel	y Vegetated Concave S	urface				,			D4 - Microtopogra	
										D5 - FAC-Neutral	Test
Field Observat	ions:										
Surface Water		🗆 Yes 🗹 No	Depth:		(in.)			Wetland Hyd	drology Pr	esent?	Yes 🗵 No
Water Table Pr		🗆 Yes 🗹 No	Depth:		(in.)				lielegyin		
Saturation Pres	ent?	🗆 Yes 🗹 No	Depth:		(in.)						
Describe Record	led Data (str	eam gauge, monitorin	g well, aeria	al photos,	previous	inspectio	ns), if available:		N/A		
Remarks:											
SOILS											
	tion (Describe to	the depth needed to document the india	cator or confirm the a	bsence of indica	ators.) (Type: C=C	oncentration, D	=Depletion, RM=Reduced Matrix, CS=Cov	ered/Coated Sand Grains;	Location: PL=Pore L	ining, M=Matrix)	
Тор	Bottom			Matrix				Mottles		r	Texture
Depth	Depth	Horizon	Color (I	Moist)	%		Color (Moist)	%	Туре	Location	(e.g. clay, sand, loam)
2	0	1		NR							fibric organic
0	1	2	7.5YR	5/2	100						sandy loam
1	2	3	5YR	3/3	100						sandy loam
2	5	4	7.5YR	3/4	100						sandy loam
5	11	5	10YR	4/6	100						sandy loam
11	12	6	10YR	5/6	100						sandy loam
	 Coll Field In										
· · _		ndicators (check her	e if indicat	_		,				matic Soils 1	
		ninedon					W Surface (LRR R, MLRA 149B) ace (LRR R, MLRA 149B)			Muck (LRR K, L, MLRA 14 Prairie Redox (LRR	
							Vineral (LRR K, L)			ucky Peat of Peat (	
	A4 - Hydroge	en Sulfide			F2 - Loam	y Gleyed	Matrix		S7 - Dark S	Urface (LRR K, L, M)	
					F3 - Deple					ue Below Surface (	
	= = = = = = = = = = = = = = = = =	ed Below Dark Surface			F6 - Redo F7 - Deple					ark Surface (LRR к, L) langanese Masses	
					F8 - Redo					iont Floodplain Soil	
	S4 - Sandy C	Bleyed Matrix							TA6 - Mesic	Spodic (MLRA 144A, 14	
										Parent Material	
		I Matrix Irface (LRR R, MLRA 149B)								Shallow Dark Surfa ain in Remarks)	ace
	SI - Daik SU	11000 (LKK K, MLKA 149B)						1 Indicators o	f hydrophytic vegeta	ation and wetland hydrology n	nust be present, unless
Restrictive Layer									r problematic.		_
		ND		Depth:	12"			Liver Call	Duccout		
(If Observed)	Type:	NR		Deptil.	12			Hydric Soil I	Present?		Yes 🗹 No
(If Observed) Remarks:	Туре:	NR		Deptil.	12			Hydric Soli I	Present?		Yes ⊻ No



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project					Wetland ID: W083 Sample Point Upland
VEGETATION	(Species identified in all uppercase a	are non-native s	species.)			
Tree Stratum (PI	ot size: 10 meter radius)		~ ~		1.10.1	Dominance Test Worksheet
1.	<u>Species Name</u> Tsuga canadensis		<u>% Cover</u>	Dominant Y	Ind.Status FACU	Dominance Test worksheet
2.	Picea rubens		15	Y	FACU	Number of Dominant Species that are OBL, FACW, or FAC: 3 (A)
3.	Acer rubrum		10	N	FAC	Number of Dominant Species that are OBL, FACW, of FAC(A)
4.						Total Number of Dominant Species Across All Strata: 9 (B)
5.						
6.						Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)
7.						
8.						Prevalence Index Worksheet
9.						Total % Cover of: Multiply by:
10.						$\frac{1}{1} \frac{1}{1} \frac{1}$
10.		tal Cover =	50			FACW spp. 10 $x 2 = 20$
	10		00			FAC spp. $35$ X 3 = $105$
Sanling/Shrub Str	atum (Plot size: 5 meter radius)					FACU spp. 85 $x 4 = 340$
1.	Tsuga canadensis		15	Y	FACU	UPL spp. 0 $x = 0$
2.	Abies balsamea		15	Ý	FAC	
3.	Picea rubens		15	Ý	FACU	Total <u>130</u> (A) <u>465</u> (B)
4.	Acer pensylvanicum		5	N	FACU	
5.	Betula alleghaniensis		5	N	FAC	Prevalence Index = B/A = <b>3.577</b>
6.	Viburnum nudum		5	N	FACW	
7.						
8.						Hydrophytic Vegetation Indicators:
9.						☐ Yes
10.						Yes
	Tot	tal Cover =	60			$\square$ Yes $\square$ No Prevalence Index is $\leq 3.0^*$
						☐ Yes ☑ No Morphological Adaptations (Explain) *
Herb Stratum (Plo	ot size: 2 meter radius)					☐ Yes ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Maianthemum canadense		5	Y	FACU	
2.	Coptis trifolia		5	Y	FACW	<ul> <li>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>
3.	Acer rubrum		5	Y	FAC	present, unless disturbed of problematic.
4.	Picea rubens		5	Y	FACU	Definitions of Vegetation Strata:
5.						
6						Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.						height (DBH), regardless of height.
8.						
9.						Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.						tall.
11.						
12.						Herb - All herbaceous (non-woody) plants, regardless of size, and
13.						woody plants less than 3.28 ft. tall.
14.						
15.						Woody Vines - All woody vines greater than 3.28 ft. in height.
	Tot	tal Cover =	20			
Woody Vine Strat	um (Plot size: 10 meter radius)					
1.						
2.						
3.						Hydrophytic Vegetation Present 🛛 Yes 🗹 No
4.						
5.						
	Tot	tal Cover =	0			
Remarks:						



Are Vegetation	Dixfield-Co Depression 0-3 drologic cond 0, Soil 0, 0, Soil 0, FINDINGS getation Pre	Alonel Complex, 0-8% Latitude: <u>Latitude:</u> ditions on the site typ or Hydrology	44.807389 ical for this ificantly dis	ry stony Loc <u>Loc</u> time of y sturbed? ematic? ☑ Yes	gator #2: al Relief: ongitude: year? (If no year? No No No	Concav -68.2444	37	Datum: Ves ances present No Hydric Soils I	No ? Present?	Date: County: State: Wetland ID: Sample Point: Community ID: Section: Township: Range: Within A Wetland	08/06/14 Hancock Maine W083 Wetland     Dir: Pir: No 2 No 2 No 2 No
	A1 - Surface A2 - High Wa A3 - Saturati B1 - Water N B2 - Sedimel B3 - Drift Dej B4 - Algal Ma B5 - Iron Deg B7 - Inundati B8 - Sparsel	ater Table on Marks nt Deposits posits at or Crust	gery		B9 - Wate B13 - Aqu B15 - Mar C1 - Hydr C3 - Oxidi C4 - Prese	er-Stained latic Fauna I Deposits ogen Sulfii zed Rhizo ence of Re ent Iron Re Muck Surf	a de Odor spheres on Living Roots aduced Iron duction in Tilled Soils iace			C2 - Dry-Season \ C8 - Crayfish Burr	atterns ines Water Table ows sible on Aerial Imagery ressed Plants Position tard phic Relief
Field Observat Surface Water Water Table Pr Saturation Pres Describe Record Remarks:	Present? resent? sent?	Yes □ No     Yes □ No     Yes □ No     Yes □ No     Yes □ No eam gauge, monitorin	Depth: Depth: Depth: g well, aeria	0 0 0 al photos,	(in.) (in.) (in.) previous	inspectio	ns), if available:	Wetland Hyd	lrology Pro	esent? 🔽	Yes 🗆 No
SOILS											
	ati an										
		the depth needed to document the indic	ator or confirm the a		tors.) (Type: C=C	Concentration, D	=Depletion, RM=Reduced Matrix, CS=Cove		Location: PL=Pore L	ining, M=Matrix)	Texture
Тор	Bottom		0 1 /	Matrix			0 1 (11 : 1)	Mottles	-	1	
Depth	Depth	Horizon	Color (I	,	%		Color (Moist)	%	Туре	Location	(e.g. clay, sand, loam)
5	0	1	5Y	3/2	100						mucky peat
0	7	2	5Y	3/1	100						silt loam
7	11	3	Gley 1	5/10Y	100						loamy sand
11	13	4	Gley 2	6/5G	100						loamy sand
	A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratifier A11 - Deplet A12 - Thick I S1 - Sandy M S4 - Sandy G S5 - Sandy F S6 - Stripped	istic en Sulfide d Layers ed Below Dark Surface Dark Surface Muck Mineral Bleyed Matrix Redox	e ii indicati		S8 - Polyv S9 - Thin	value Belov Dark Surfa ny Mucky M ny Gleyed eted Matrix ox Dark Su eted Dark	w Surface (LRR R, MLRA 1498) ace (LRR R, MLRA 1498) Mineral (LRR K, L) Matrix ( face Surface Surface		A10 - 2 cm I A16 - Coast S3 - 5cm Mi S7 - Dark Si S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red P TF12 - Very Other (Expla	matic Soils ¹ Muck (LRR K, L, MLRA 1 Prairie Redox (LRR J Jucky Peat of Peat ( urface (LRR K, L, M) ue Below Surface (LRR K, L) langanese Masses iont Floodplain Soil: Spodic (MLRA 144A, 14 'arent Material Shallow Dark Surfa ain in Remarks) tion and wetland hydrology m	K, L, R) .RR K, L, R) .(LRR K, L, R) S (MLRA 149B) 15, 149B)
Restrictive Layer (If Observed) Remarks:	Туре:	Rock		Depth:	13 in.			Hydric Soil I	Present?	2	Yes 🗆 No



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project					Wetland ID: W083 Sample Point Wetland
VEGETATION		se are non-native	species.)			
Tree Stratum (Plo	ot size: 10 meter radius)					
	<u>Species Name</u>	-		Dominant	Ind.Status	Dominance Test Worksheet
1.	Abies balsamea		40	Y	FAC	
2.	Betula alleghaniensis		15	N	FAC	Number of Dominant Species that are OBL, FACW, or FAC:(A)
<u> </u>	Picea rubens		10 10	N	FACU FACU	Tatal Number of Deminerat Canadian Association (P)
<u>4.</u> 5.	Tsuga canadensis		5	N N	FACO	Total Number of Dominant Species Across All Strata: 6 (B)
<u> </u>	Acer rubrum					Dependent of Deminant Species That $\Delta x_2 O P = F \Delta C M = F \Delta C + \frac{66}{2} \frac{79}{2} \frac{1}{\sqrt{P}}$
<u> </u>						Percent of Dominant Species That Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)
8.						Prevalence Index Worksheet
9.						Total % Cover of: Multiply by:
<u> </u>						
10.		Total Cover =	80			OBL spp. 20 X 1 = 20 FACW spp. 20 X 2 = 40
			00			FAC spp. $\frac{20}{80}$ X $3 = \frac{240}{240}$
Sopling/Shrub Str	atum (Plot size: 5 meter radius)					FAC spp.       80       X $3 =$ 240         FACU spp.       30       X $4 =$ 120
1.	Abies balsamea		10	Y	FAC	UPL spp. $0 \times 5 = 0$
2.	Picea rubens		10	Y	FACU	
3.						Total 150 (A) 420 (B)
4.						
5.						Prevalence Index = B/A = <b>2.800</b>
6.						
7.						
8.						Hydrophytic Vegetation Indicators:
9.						☐ Yes ☑ No Rapid Test for Hydrophytic Vegetation
10.						✓ Yes □ No Dominance Test is > 50%
		Total Cover =	20			✓ Yes $\square$ No Prevalence Index is ≤ 3.0 *
						□ Yes ☑ No Morphological Adaptations (Explain) *
Herb Stratum (Plo	t size: 2 meter radius)					□ Yes ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Onoclea sensibilis		20	Y	FACW	
2.	Osmunda spectabilis		20	Y	OBL	<ul> <li>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>
3.	Unknown grass		20	Y	NL	present, unless disturbed of problematic.
4.	Osmunda claytoniana		10	N	FAC	Definitions of Vegetation Strata:
5.						
6						Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.						height (DBH), regardless of height.
8.						
9.						Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.						tall.
11.						
12.						Herb - All herbaceous (non-woody) plants, regardless of size, and
13.						woody plants less than 3.28 ft. tall.
14.						
15.						Woody Vines - All woody vines greater than 3.28 ft. in height.
		Total Cover =	70			
L						
Woody Vine Strat	um (Plot size: 10 meter radius)					
1.						
2.						
3.						Hydrophytic Vegetation Present 🥑 Yes 🗆 No
4.						
5.						
L		Total Cover =	0			
Remarks:						



Northeast and Northcentral Region

Drain at/Citat		ad Drainat					Chambra Drain at #	10500004		Data	08/19/14
Project/Site:	Weaver Wi	na Project					Stantec Project #:	195600884		Date:	
Applicant:	First Wind									County:	Hancock
Investigator #1:	Katelin Nick	terson		Investi	gator #2:					State:	Maine
Soil Unit:	Dixfield-Turnbrid	ge-Colonel complex, 3-15%	% slopes, v.	stony		NV	/I/WWI Classification:	Upland		Wetland ID:	W097
Landform:	Side slope				al Relief:	Concav				Sample Point:	Upland
Slope (%):	0-5	Latitude:	44 8016				-68.21951	Datum:		Community ID:	
		itions on the site ty							No	Section:	
						(ii no, expla			-		
		or Hydrology 🗆 sig					Are normal circumsta		<i>?</i>	Township:	
Are Vegetation	🗆 , Soil 🗆 , d	or Hydrology 🛛 nat	turally pr	oblemati	c?		Yes	🗆 No		Range:	Dir:
SUMMARY OF	FINDINGS										
Hydrophytic Ve	detation Pres	sent?		Yes	🗵 No			Hydric Soils I	Present?		🗆 Yes 🗹 No
Wetland Hydrol	0			□ Yes						Nithin A Wetlan	
Remarks:	logy i lesent			- 103	- 110						
Remarks.											
HYDROLOGY											
	alagu Indiag	tere (Chook hara if	indiaata	ro oro pr	t propon	+ □).					
		tors (Check here if	Indicato	is are no	ot presen	u 🙂 ):			Secondor "		
Primary:	A1 - Surface \	Mater		_		er-Stained			Secondary:	B6 - Surface Soil	Oracha
	A2 - High Wa A3 - Saturatio					uatic Fauna rl Deposits				B10 - Drainage Pa B16 - Moss Trim I	
	B1 - Water M					ogen Sulfi				C2 - Dry-Season	
	B1 - Water Ma B2 - Sedimen						spheres on Living Roots			C2 - Dry-Season C8 - Crayfish Bur	
	B2 - Sedimen B3 - Drift Dep						educed Iron				isible on Aerial Imagery
	B4 - Algal Ma						duction in Tilled Soils			D1 - Stunted or Si	
	B5 - Iron Dep					Muck Sur				D2 - Geomorphic	
		on Visible on Aerial Ima	agerv	_		plain in Re				D3 - Shallow Aqu	
		Vegetated Concave S			0 1101 (27	piani ni i	(marile)			D4 - Microtopogra	aphic Relief
_		<del>-</del>								D5 - FAC-Neutral	Test
Field Observed											
Field Observat		_									
Surface Water		🗆 Yes 🗹 No	Depth:		(in.)			Wetland Hyd	Irology Pr	esent?	Yes 🗵 No
Water Table Pr	esent?	🗆 Yes 🛛 No	Depth:		(in.)			Wettand Hye	liologyin		
Saturation Pres	ent?	🗆 Yes 🗹 No	Depth:		(in.)						
	10		-								
				rial abata		a in an a ati	ana) if availables		NI/A		
	ed Data (strea	am gauge, monitoring	g well, aei	rial photo	s, previou	s inspecti	ons), if available:		N/A		
Remarks:	ed Data (strea	am gauge, monitoring	g well, aei	rial photo	s, previou	s inspecti	ons), if available:		N/A		
	ed Data (strea	am gauge, monitorino	g well, aei	rial photo	s, previou	s inspecti	ons), if available:		N/A		
Remarks:	ed Data (strea	am gauge, monitoring	g well, aei	rial photo	s, previou	s inspecti	ons), if available:		N/A		
Remarks: SOILS	x			•							
Remarks: SOILS Profile Descrip	Dtion (Describe to th			the absence of			ons), if available:	S=Covered/Coated Sand		.=Pore Lining, M=Matrix)	Tester
Remarks: SOILS Profile Descrip Top	x		icator or confirm	the absence of Matrix	indicators.) (Typ		ion, D=Depletion, RM=Reduced Matrix, C	S=Covered/Coated Sand		=Pore Lining, M=Matrix)	Texture
Remarks: SOILS Profile Descrip	Dtion (Describe to th		icator or confirm	the absence of				S=Covered/Coated Sand		-Pore Lining, M=Matrix)	Texture (e.g. clay, sand, loam)
Remarks: SOILS Profile Descrip Top	otion (Describe to the Bottom	the depth needed to document the ind	icator or confirm	the absence of Matrix	indicators.) (Typ		ion, D=Depletion, RM=Reduced Matrix, C	S=Covered/Coated Sand	Grains; Location: PL	Γ	
Remarks: SOILS Profile Descrip Top Depth 0	Dtion (Describe to the Bottom Depth 1	ne depth needed to document the ind Horizon 1	icator or confirm Color 10YR	the absence of Matrix (Moist) 3/1	indicators.) (Typ % 100	e: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	S=Covered/Coated Sand Mottles % 	Grains; Location: PL Type 	Location 	(e.g. clay, sand, loam) silt loam
Remarks: SOILS Profile Descrip Top Depth 0 1	Depth Depth 1.5	ne depth needed to document the ind Horizon 1 2	icator or confirm Color 10YR 10YR	the absence of Matrix (Moist) 3/1 5/1	indicators.) (Typ % 100 100	e: C=Concentra	ion. D=Depletion, RM=Reduced Matrix, C Color (Moist)  	S=Covered/Coated Sand a Mottles %  	Grains: Location: PL Type  	Location  	(e.g. clay, sand, loam) silt loam silt loam
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5	Depth Depth 1.5 16.5	ne depth needed to document the ind Horizon 1 2 3	icator or confirm Color 10YR 10YR 10YR	the absence of Matrix (Moist) 3/1 5/1 5/6	indicators.) (Typ % 100 100 100	e: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   	S=Covered/Coated Sand Mottles %  	Grains; Location: PL Type  	Location  	(e.g. clay, sand, loam) silt loam silt loam silt loam
Remarks: SOILS Profile Descrip Top Depth 0 1	Depth Depth 1.5	ne depth needed to document the ind Horizon 1 2	icator or confirm Color 10YR 10YR	the absence of Matrix (Moist) 3/1 5/1	indicators.) (Typ % 100 100	e: C=Concentra	ion. D=Depletion, RM=Reduced Matrix, C Color (Moist)  	S=Covered/Coated Sand a Mottles %  	Grains: Location: PL Type  	Location  	(e.g. clay, sand, loam) silt loam silt loam
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5	Depth Depth 1.5 16.5	ne depth needed to document the ind Horizon 1 2 3	icator or confirm Color 10YR 10YR 10YR	the absence of Matrix (Moist) 3/1 5/1 5/6	indicators.) (Typ % 100 100 100	e: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   	S=Covered/Coated Sand Mottles %  	Grains; Location: PL Type  	Location  	(e.g. clay, sand, loam) silt loam silt loam silt loam
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5	Depth Depth 1 1.5 16.5 21.5	the depth needed to document the ind Horizon 1 2 3 4	icator or confirm Color 10YR 10YR 10YR 10YR	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2	indicators.) (Typ % 100 100 100 90	e: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6	S=Covered/Coated Sand Mottles %   10	Grains: Location: PL Type   C	Location   M	(e.g. clay, sand, loam) silt loam silt loam silt loam silt loam
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5 	Depth Depth 1 1.5 16.5 21.5 	ne depth needed to document the ind Horizon 1 2 3 4 	icator or confirm Color 10YR 10YR 10YR 10YR  	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2  	indicators.) (Typ % 100 100 100 90 	e: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6   	S=Covered/Coated Sand ( Mottles %   10  	Grains: Location: PL Type   C 	Location   M 	(e.g. clay, sand, loam) silt loam silt loam silt loam silt loam  
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5  	btion (Describe to the Bottom Depth 1 1.5 16.5 21.5	Horizon 1 2 3 4 	Color 10YR 10YR 10YR 10YR 10YR  	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2  	indicators.) (Typ % 100 100 100 90  	e: C=Concentra   5YR  	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6   	S=Covered/Coated Sand d Mottles %    10   	Grains; Location: PI    C    	Location   M    	(e.g. clay, sand, loam) silt loam silt loam silt loam silt loam  
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5    	Depth Depth 1 1.5 16.5 21.5    	ne depth needed to document the ind Horizon 1 2 3 4   	icator or confirm Color 10YR 10YR 10YR 10YR   	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2    	indicators.) (Typ % 100 100 100 90    	e: C=Concentra   5YR    	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6    	S=Covered/Coated Sand Mottles %   10    	Grains: Location: PL Type   C      	Location   M    	(e.g. clay, sand, loam) silt loam silt loam silt loam silt loam  
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5   NRCS Hydric	btion (Describe to the Bottom Depth 1 1.5 16.5 21.5    Soil Field In	the depth needed to document the ind Horizon 1 2 3 4 	icator or confirm Color 10YR 10YR 10YR 10YR   	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2    cators ar	indicators.) (Tyr % 100 100 100 90   e not pre	e: C=Concentra   5YR    e:sent [	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6      	S=Covered/Coated Sand of Mottles	Grains; Location: PI Type   C   s for Proble	Location   M     matic Soils ¹	(e.g. clay, sand, loam) silt loam silt loam silt loam    
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5    NRCS Hydric	btion (Describe to the Bottom Depth 1 1.5 16.5 21.5   Soil Field In A1- Histosol	Horizon 1 2 3 4  dicators (check he	icator or confirm Color 10YR 10YR 10YR 10YR   	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2    cators ar	indicators.) (Tyr % 100 100 100 90    e not pre S8 - Poly	e: C=Concentra   5YR     e:sent [ value Belo	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6        -	S=Covered/Coated Sand Mottles %   10  10  10  Indicator	Grains: Location: PL    C   s for Proble A10 - 2 cm l	Location        matic Soils ¹ Vuck (LRR K, L, MLRA 1	(e.g. clay, sand, loam) silt loam silt loam silt loam 
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5   NRCS Hydric	btion (Describe to the Bottom Depth 1 1.5 16.5 21.5   Soil Field In A1- Histosol A2 - Histic Ep	Horizon 1 2 3 4   dicators (check he ipedon	icator or confirm Color 10YR 10YR 10YR 10YR   	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2   cators ar □	indicators.) (Typ % 100 100 90   e not pre S8 - Polyr S9 - Thin	e: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6         	S=Covered/Coated Sand Mottles %   10    Indicator □	Grains; Location: PI Type   C    s for Proble A10 - 2 cm I A16 - Coast	Location       matic Soils ¹ Vluck (LRR K, L, MLRA 1 Prairie Redox (LRR	(e.g. clay, sand, loam) silt loam silt loam silt loam 
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5   NRCS Hydric	btion (Describe to the Bottom Depth 1 1 1.5 16.5 21.5	Horizon 1 2 3 4 dicators (check he stic	icator or confirm Color 10YR 10YR 10YR 10YR   	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2   cators ar □ □	indicators.) (Typ % 100 100 90   e not pre S8 - Poly S9 - Thin F1 - Loan	e: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6        -	S=Covered/Coated Sand Mottles %   10  10  Indicator □ □	Grains: Location: PU Type   C   s for Proble A10 - 2 cm Mi A16 - Coast S3 - 5cm Mi	Location M matic Soils 1 Vuck (LRR K, L, MLRA 1 Prairie Redox (LRR cky Peat of Peat (	(e.g. clay, sand, loam) silt loam silt loam silt loam 
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5   NRCS Hydric	btion (Describe to the Depth 1 1.5 16.5 21.5   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger	Horizon 1 2 3 4   dicators (check he ipedon stic n Sulfide	icator or confirm Color 10YR 10YR 10YR 10YR   	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2   cators ar	indicators.) (Tyr % 100 100 100 90   e not pre S8 - Poly S9 - Thin F1 - Loan F2 - Loan	e: C=Concentra    5YR      sent [ value Belo Dark Surfa y Mucky I y Gleyed	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6          -	S=Covered/Coated Sand ( Mottles %   10  10  Indicator             	Grains; Location: PI      s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mi S7 - Dark S0	Location M matic Soils ¹ Vuck (LRR K, L, MLRA 1 Prairie Redox (LRR c/cky Peat of Peat ( urface (LRR K, L, M)	(e.g. clay, sand, loam) silt loam silt loam silt loam    (K, L, R) LRR K, L, R)
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5   NRCS Hydric	btion (Describe to It Bottom Depth 1 1.5 16.5 21.5    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified	Horizon 1 2 3 4   dicators (check he ipedon stic n Sulfide Layers	Color 10YR 10YR 10YR 10YR 10YR    re if indic	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2    cators ar	indicators.) (Tyr % 100 100 90   e not pre S8 - Poly S9 - Thin F1 - Loan F3 - Depl F2 - Loan F3 - Depl	e: C=Concentra             	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6        -	S=Covered/Coated Sand Mottles   10  10   Indicator   	Grains: Location: PI Type   C  s for Proble A10 - 2 cm I A16 - Coasti S3 - Scm Mi S7 - Dark S S8 - Polyval	Location M M Muck (LRR K, L, MLRA 1 Prairie Redox (LRR Jcky Peat of Peat ( Trace (LRR K, L, M) ue Below Surface	(e.g. clay, sand, loam) silt loam silt loam silt loam 
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5   NRCS Hydric	btion (Describe to the Depth 1 1.5 16.5 21.5   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroga A5 - Stratified A11 - Deplete	Horizon 1 2 3 4   dicators (check he ipedon stic n Sulfide Layers d Below Dark Surface	Color 10YR 10YR 10YR 10YR 10YR    re if indic	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2   cators ar	indicators.) (Typ % 100 100 100 90   e not pre S8 - Poly S9 - Thin F1 - Loan F2 - Loan F3 - Depl F6 - Redo	e: C=-Concentra  5YR    ssent [ value Belo Dark Surfa ny Mucky I ny Gleyed eted Matri: px Dark Su	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6        -	S=Covered/Coated Sand Mottles %   10    Indicator   	Grains: Location: PI   C    s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mi S7 - Dark S3 S8 - Polyval S9 - Thin Da	Location M matic Soils ¹ Vluck (LRR K, L, MLRA 1 Prairie Redox (LRR clcky Peat of Peat ( Jrface (LRR K, L, M) ue Below Surface (ark K, L)	(e.g. clay, sand, loam) silt loam silt loam silt loam 
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5   NRCS Hydric	btion (Describe to the Depth 1 1.5 16.5 21.5   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A11 - Deplete A12 - Thick D	Horizon 1 2 3 4   dicators (check he ipedon stic n Sulfide I Layers d Below Dark Surface ark Surface	Color 10YR 10YR 10YR 10YR 10YR    re if indic	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2   cators ar	indicators.) (Typ % 100 100 100 90   enot pre S8 - Poly S9 - Thin F1 - Loan F3 - Depl F3 - Depl F6 - Redd F7 - Depl	e: C=Concentra          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6        -	S=Covered/Coated Sand d Mottles %   10  10  Indicator   	Grains: Location: PI        -	Location M M Muck (LRR K, L, MLRA 1 Prairie Redox (LRR Jcky Peat of Peat ( Urface (LRR K, L, M) ue Below Surface trk Surface (LRR K, L, M) ue Relow Surface (LRR K, L, M) ue Balow Surface (LRR K, L, M)	(e.g. clay, sand, loam) silt loam silt loam silt loam       (LRR K, L, R) (LRR K, L, R)
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5   NRCS Hydric 0 0 0 1 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	btion (Describe to the Bottom Depth 1 1.5 21.5    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M	Horizon Horizon 1 2 3 4   dicators (check he ipedon stic n Sulfide Layers de Blow Dark Surface ark Surface uck Mineral	Color 10YR 10YR 10YR 10YR 10YR    re if indic	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2   cators ar	indicators.) (Typ % 100 100 100 90   enot pre S8 - Poly S9 - Thin F1 - Loan F3 - Depl F3 - Depl F6 - Redd F7 - Depl	e: C=-Concentra  5YR    ssent [ value Belo Dark Surfa ny Mucky I ny Gleyed eted Matri: px Dark Su	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6        -	S=Covered/Coated Sand Mottles %   10  10  Indicator   	Grains; Location: PI        s for Proble A10 - 2 cm II A16 - Coast S3 - 5cm Mi S7 - Dark Si S8 - Polyval S9 - Thin Da S9 - Thin Da F12 - Iron-M F19 - Piedm	Location M Muck (LRR K, L, MLRA1 Prairie Redox (LRR /// Veat of Peat ( Jrface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) ue Below Surface out Floodplain Soi ont Floodplain Soi	(e.g. clay, sand, loam) silt loam silt loam silt loam    49B) (K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (IRR K, L, R) (IRR K, L, R)
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5   NRCS Hydric	btion (Describe to It Bottom Depth 1 1.5 16.5 21.5   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A1 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G	Horizon 1 2 3 4   dicators (check he ipedon stic n Sulfide Layers d Below Dark Surface ark Surface ark Surface layers d Below Dark Surface	Color 10YR 10YR 10YR 10YR 10YR    re if indic	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2   cators ar	indicators.) (Typ % 100 100 100 90   enot pre S8 - Poly S9 - Thin F1 - Loan F3 - Depl F3 - Depl F6 - Redd F7 - Depl	e: C=Concentra          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6        -	S=Covered/Coated Sand Mottles   10   Indicator                 	Grains; Location: PI Type   C   s for Proble A16 - Coast S3 - 5cm Mi S7 - Dark Si S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic	Location M matic Soils ¹ Vuck (LRR K, L, MLRA 1 Prairie Redox (LRR Loky Peat of Peat ( Urface (LRR K, L, M) ue Below Surface the Surface (LRR K, L, M) ue Below Surface the Surface (LRR K, L) anganese Masses ont Floodplain Soi Spodic (MLRA 1444, 1)	(e.g. clay, sand, loam) silt loam silt loam silt loam    49B) (K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (IRR K, L, R) (IRR K, L, R)
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5    NRCS Hydric	btion (Describe to the Depth 1 1.5 16.5 21.5   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroga A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R	Horizon Horizon 1 2 3 4   dicators (check he ipedon stic n Sulfide I Layers d Below Dark Surface ark Surface uck Mineral leyed Matrix edox	Color 10YR 10YR 10YR 10YR 10YR    re if indic	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2   cators ar	indicators.) (Typ % 100 100 100 90   enot pre S8 - Poly S9 - Thin F1 - Loan F3 - Depl F3 - Depl F6 - Redd F7 - Depl	e: C=Concentra          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6        -	S=Covered/Coated Sand Mottles %   10   Indicator   	Grains: Location: PI Type   C   s for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - Coast S3 - 5cm Mi S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesia F12 - Red F	Location M	(e.g. clay, sand, loam) silt loam silt loam silt loam 
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5    NRCS Hydric	btion (Describe to the Depth 1 1.5 16.5 21.5   Soil Field Inn A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroger A5 - Stratified A11 - Depleter A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S5 - Sandy R S5 - Stripped	Horizon Horizon 1 2 3 4   dicators (check he ipedon stic n Sulfide I Layers d Below Dark Surface ark Surface uck Mineral leyed Matrix edox Matrix	Color 10YR 10YR 10YR 10YR 10YR    re if indic	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2   cators ar	indicators.) (Typ % 100 100 100 90   enot pre S8 - Poly S9 - Thin F1 - Loan F3 - Depl F3 - Depl F6 - Redd F7 - Depl	e: C=Concentra          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6        -	S=Covered/Coated Sand Mottles %   10   Indicator   	Grains: Location: PI        -	Location M M Muck (LRR K, L, MLRA 1 Prairie Redox (LRR K, L, M) ue Below Surface trk Surface (LRR K, L, M) ue Below Surface trk Surface (LRR K, L, M) anganese Masses ont Floodplain Soi Spodic (MLRA 1444, 5) arent Material Shallow Dark Surf	(e.g. clay, sand, loam) silt loam silt loam silt loam 
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5    NRCS Hydric	btion (Describe to the Depth 1 1.5 16.5 21.5   Soil Field Inn A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroger A5 - Stratified A11 - Depleter A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S5 - Sandy R S5 - Stripped	Horizon Horizon 1 2 3 4   dicators (check he ipedon stic n Sulfide I Layers d Below Dark Surface ark Surface uck Mineral leyed Matrix edox	Color 10YR 10YR 10YR 10YR 10YR    re if indic	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2   cators ar	indicators.) (Typ % 100 100 100 90   enot pre S8 - Poly S9 - Thin F1 - Loan F3 - Depl F3 - Depl F6 - Redd F7 - Depl	e: C=Concentra          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6        -	S=Covered/Coated Sand Mottles %   10   Indicator   	Grains; Location: PI        s for Proble A10 - 2 cm 1 A16 - Coast S3 - 5cm Mi S7 - Dark Si S8 - Polyval S9 - Thin Dā S9 - Thin Dā S9 - Thin Dā F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red F TF12 - Very Other (Expla	Location M Muck (LRR K, L, MLRA 1 Prairie Redox (LRR /// Veat of Peat ( Jrface (LRR K, L, M) ue Below Surface // Surface (LRR K, L, M) ue Below Surface // Surface (LRR K, L, M) ue Below Surface // Surface (LRR K, L, M) ue Below Surface // Surface (LRR K, L) // Surface (LR K, L) // Sur	(e.g. clay, sand, loam) silt loam silt loam silt loam        -
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5    NRCS Hydric	btion (Describe to the Depth 1 1.5 16.5 21.5   Soil Field Inn A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroger A5 - Stratified A11 - Depleter A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S5 - Sandy R S5 - Stripped	Horizon Horizon 1 2 3 4   dicators (check he ipedon stic n Sulfide I Layers d Below Dark Surface ark Surface uck Mineral leyed Matrix edox Matrix	Color 10YR 10YR 10YR 10YR 10YR    re if indic	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2   cators ar	indicators.) (Typ % 100 100 100 90   enot pre S8 - Poly S9 - Thin F1 - Loan F3 - Depl F3 - Depl F6 - Redd F7 - Depl	e: C=Concentra          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6        -	S=Covered/Coated Sand Mottles %   10   Indicator   	Grains: Location: PI Type   C   s for Proble A10 - 2 cm I A10 - 2 cm I A10 - Coast S3 - 5cm Mi S7 - Dark S3 S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm F19 - Piedm F17 - Nersi TF2 - Red F TF12 - Very Other (Expla	Location M M Muck (LRR K, L, MLRA 1 Prairie Redox (LRR K, L, M) ue Below Surface trk Surface (LRR K, L, M) ue Below Surface trk Surface (LRR K, L, M) anganese Masses ont Floodplain Soi Spodic (MLRA 1444, 5) arent Material Shallow Dark Surf	(e.g. clay, sand, loam) silt loam silt loam silt loam        -
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5   NRCS Hydric 0 0 0 1 1.5 16.5   RCS Hydric	btion (Describe to the Depth 1 1.5 16.5 21.5   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Sur	Horizon Horizon 1 2 3 4   dicators (check he ipedon stic n Sulfide I Layers d Below Dark Surface ark Surface uck Mineral leyed Matrix edox Matrix	Icator or confirm Color 10YR 10YR 10YR    re if indic	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2   cators ar	indicators.) (Typ % 100 100 100 90   enot pre S8 - Poly S9 - Thin F1 - Loan F3 - Depl F3 - Depl F6 - Redd F7 - Depl	e: C=Concentra          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6        -	S=Covered/Coated Sand Mottles %   10   Indicator D D D D C 10         	Grains: Location: PI Type   C   s for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I S3 - 5cm Mi S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TF2 - Red F TF12 - Very Other (Expla	Location M	(e.g. clay, sand, loam) silt loam silt loam silt loam 
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5   NRCS Hydric NRCS Hydric	btion (Describe to the Depth 1 1.5 16.5 21.5   Soil Field Inn A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroger A5 - Stratified A11 - Depleter A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S5 - Sandy R S5 - Stripped	Horizon Horizon 1 2 3 4   dicators (check he ipedon stic n Sulfide I Layers d Below Dark Surface ark Surface uck Mineral leyed Matrix edox Matrix	Icator or confirm Color 10YR 10YR 10YR    re if indic	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2   cators ar	indicators.) (Typ % 100 100 100 90   enot pre S8 - Poly S9 - Thin F1 - Loan F3 - Depl F3 - Depl F6 - Redd F7 - Depl	e: C=Concentra          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6        -	S=Covered/Coated Sand Mottles %   10   Indicator   	Grains: Location: PI Type   C   s for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I S3 - 5cm Mi S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TF2 - Red F TF12 - Very Other (Expla	Location M	(e.g. clay, sand, loam) silt loam silt loam silt loam        -
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5   NRCS Hydric 0 0 0 1 1.5 16.5   RCS Hydric	Dtion (Describe to the Bottom Depth 1 1.5 21.5    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A1 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Sur	Horizon Horizon 1 2 3 4   dicators (check he ipedon stic n Sulfide I Layers d Below Dark Surface ark Surface uck Mineral leyed Matrix edox Matrix	icator or confirm Color 10YR 10YR 10YR    re if indio	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2   cators ar	indicators.) (Typ % 100 100 100 90   enot pre S8 - Poly S9 - Thin F1 - Loan F3 - Depl F3 - Depl F6 - Redd F7 - Depl	e: C=Concentra          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6        -	S=Covered/Coated Sand Mottles %   10   Indicator D D D D C 10         	Grains: Location: PI Type   C   s for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I S3 - 5cm Mi S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TF2 - Red F TF12 - Very Other (Expla	Location M	(e.g. clay, sand, loam) silt loam silt loam silt loam 
Remarks: SOILS Profile Descrip Top Depth 0 1 1.5 16.5   NRCS Hydric NRCS Hydric C C C C C C C C C C C C C	Dtion (Describe to the Bottom Depth 1 1.5 21.5    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroger A5 - Stratified A1 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Sur	Horizon 1 2 3 4 dicators (check he ipedon stic n Sulfide Layers de Below Dark Surface ark Surface uck Mineral leyed Matrix edox Matrix face (LRR R, MLRA 149B)	icator or confirm Color 10YR 10YR 10YR    re if indio	the absence of Matrix (Moist) 3/1 5/1 5/6 6/2   cators ar	indicators.) (Typ % 100 100 100 90   enot pre S8 - Poly S9 - Thin F1 - Loan F3 - Depl F3 - Depl F6 - Redd F7 - Depl	e: C=Concentra          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   5/6        -	S=Covered/Coated Sand Mottles %   10   Indicator D D D D C 10         	Grains: Location: PI Type   C   s for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I S3 - 5cm Mi S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TF2 - Red F TF12 - Very Other (Expla	Location M	(e.g. clay, sand, loam) silt loam silt loam silt loam 



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project				Wetland ID: W097 Sample Point Upland
VEGETATION	(Species identified in all uppercase are non-na	ative spec	cies.)		
Tree Stratum (P	lot size: 10 meter radius)				
1	Species Name		Dominant Y	Ind.Status FACU	Dominance Test Worksheet
1. 2.	Picea rubens Tsuga canadensis	55 30	Y	FACU	Number of Deminent Species that are OPL EACW or EAC: $2$ (A)
3.	Acer saccharum	5	N	FACU	Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)
4.					Total Number of Dominant Species Across All Strata: 7 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 28.6% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 x 1 = 0
	Total Cover =	90			FACW spp. $30$ x 2 = $60$
					FACW spp.       30       X $2 =$ 60         FAC spp.       7       X $3 =$ 21
Sapling/Shrub St	ratum (Plot size: 5 meter radius)				FACU spp. <u>125</u> x 4 = <u>500</u>
1.	Picea rubens	15	Y	FACU	UPL spp. 0 $x 5 = 0$
2.	Abies balsamea	5	Y	FAC	
3.	Tsuga canadensis	5	Y	FACU	Total <u>162</u> (A) <u>581</u> (B)
4.					
5.					Prevalence Index = B/A = 3.586
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes I No Rapid Test for Hydrophytic Vegetation
10.					☐ Yes
	Total Cover =	25			□ Yes $\checkmark$ No Prevalence Index is ≤ 3.0 *
					Yes I No Morphological Adaptations (Explain) *
	ot size: 2 meter radius)				Yes I No Problem Hydrophytic Vegetation (Explain) *
1.	Coptis trifolia	30	Y	FACW	* Indicators of hydric soil and wetland hydrology must be
2.	Picea rubens	10	Y	FACU	present, unless disturbed or problematic.
3.	Tsuga canadensis	5	N	FACU	
4.	Trientalis borealis	2	N	FAC	Definitions of Vegetation Strata:
5.					<b>T</b>
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7.					neight (DDH), regardless of height.
8.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
9.					tall.
10.					
<u> </u>					Herb - All herbaceous (non-woody) plants, regardless of size,
12.					and woody plants less than 3.28 ft. tall.
13.					
14.					Woody Vines - All woody vines greater than 3.28 ft. in height.
10.	 Total Cover =	47			
Woody Vine Stra	tum (Plot size: 10 meter radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present 🛛 Yes 🗹 No
4.					
5.					
	Total Cover =	0			
Remarks:					
1					



Northeast and Northcentral Region

	Weaver Wi	nd Project					Stantec Project #:	195600884		Date:	08/19/14
Project/Site: Applicant:	First Wind	nu riojeci						19000004		County:	Hancock
Investigator #1		oreon		Invocti	gator #2:					State:	Maine
Soil Unit:		dge-Colonel complex, 3-15	% close state		yat01 #2.		/I/WWI Classification:	PEO		Wetland ID:	W097
Landform:			% slope, v. s		al Relief:			FFU			Wetland
	Depression							Detum		Sample Point:	
Slope (%):	0-5	Latitude:		.801501			-68.219627	Datum: ☑ Yes □		Community ID:	
		litions on the site ty				(If no, expla				Section:	
		or Hydrology 🗆 sig					Are normal circumsta		[?	Township:	
		or Hydrology 🗆 na	turally pr	roblemat	IC?		Yes	🗆 No		Range:	Dir:
SUMMARY OF											
Hydrophytic Ve				⊡ Yes		)		Hydric Soils			🗹 Yes 🗆 No
Wetland Hydro	logy Present	?		Yes	🗆 No	)		Is This Samp	bling Point \	Nithin A Wetlan	id? 🛛 🗹 Yes 🗖 No
Remarks:											
HYDROLOGY											
		tere (Cheel here if	findiante								
Primary		ators (Check here if	r indicato	ors are no	ot preser	nt 🗅:			Secondor "		
	A1 - Surface	Water			B9 - Wate	or-Stained			Secondary:	B6 - Surface Soil	Cracks
2	A2 - High Wa				B13 - Aqu					B10 - Drainage Pa	
1	A3 - Saturatio				B15 - Ma					B16 - Moss Trim I	
	B1 - Water N	larks			C1 - Hydi					C2 - Dry-Season	Water Table
	B2 - Sedimer				C3 - Oxid	lized Rhizo	spheres on Living Roots			C8 - Crayfish Bur	rows
	B3 - Drift Dep						educed Iron				isible on Aerial Imagery
	B4 - Algal Ma			_			duction in Tilled Soils			D1 - Stunted or Si	
	B5 - Iron Dep				- · · · · · · ·	Muck Sur				D2 - Geomorphic	
		on Visible on Aerial Ima			Other (Ex	plain in Re	emarks)			D3 - Shallow Aqu D4 - Microtopogra	
	Do - Sparsely	Vegetated Concave S	Sunace							D5 - FAC-Neutral	
Field Observes										20 1710 110414	1001
Field Observat					<i></i> .						
Surface Water		🗹 Yes 🔲 No	Depth:		(in.)			Wetland Hyd	droloav Pr	esent? 🔽	Yes 🗆 No
Water Table Pr		🗹 Yes 🔲 No	Depth:		(in.)			•			
Saturation Pres	sent?	🗹 Yes 🛛 No	Depth:	0	(in.)						
Describe Record	ed Data (stre	am gauge, monitoring	a well. ae	rial nhoto	s previou	is inspacti	ons) if available:		N1/A		
	· ·						ulis), il avaliable.		N/A		
Remarks:	Pockets of		-		3, picviou	is inspect	uis), ii avaliable.		N/A		
Remarks:	Pockets of	surface water arour	-		3, previou		ons), il avaliable.		N/A		
	Pockets of		-		3, рісчіоц				N/A		
SOILS		surface water arour	nd bould	ers	· ·	· · ·					
SOILS Profile Descrip	otion (Describe to	surface water arour	nd bould	ers n the absence of	indicators.) (Typ	· · ·	ion, D=Depletion, RM=Reduced Matrix, C			.=Pore Lining, M=Matrix)	Taxtura
SOILS Profile Descrip Top	otion (Describe to Bottom	SURFACE WATER AROUN	dicator or confirm	ers n the absence of Matrix	indicators.) (Typ	· · ·	ion, D=Depletion, RM=Reduced Matrix, C	Mottles	Grains; Location: PL		Texture
SOILS Profile Descrip Top Depth	Bottom Depth	surface water arour he depth needed to document the inc Horizon	dicator or confirm	ers n the absence of Matrix (Moist)	indicators.) (Typ	pe: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PL	Location	(e.g. clay, sand, loam)
SOILS Profile Descrip Top Depth 3	btion (Describe to Bottom Depth 0	surface water arour he depth needed to document the inc Horizon 1	dicator or confirm	ers n the absence of Matrix (Moist) NR	indicators.) (Typ	pe: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 	Mottles % 	Grains; Location: PL Type 	Location 	(e.g. clay, sand, loam) peat
SOILS Profile Descrip Top Depth	Bottom Depth	surface water arour he depth needed to document the inc Horizon	dicator or confirm	ers n the absence of Matrix (Moist)	indicators.) (Typ	pe: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PL	Location	(e.g. clay, sand, loam)
SOILS Profile Descrip Top Depth 3	btion (Describe to Bottom Depth 0	surface water arour he depth needed to document the inc Horizon 1	dicator or confirm	ers n the absence of Matrix (Moist) NR	indicators.) (Typ	pe: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 	Mottles % 	Grains; Location: PL Type 	Location 	(e.g. clay, sand, loam) peat
SOILS Profile Descrip Top Depth 3 0	Depth 0 4	surface water arour he depth needed to document the inc Horizon 1 2	dicator or confirm Color  2.5Y	ers n the absence of Matrix (Moist) NR 5/1	indicators.) (Tyg %  85	c=C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  4/4	Mottles %  15	Grains: Location: PL Type  C	Location  M	(e.g. clay, sand, loam) peat coarse sandy loam
SOILS Profile Descrip Top Depth 3 0 	Deption (Describe to Bottom Depth 0 4 	surface water arour he depth needed to document the inc Horizon 1 2	dicator or confirm Color  2.5Y 	n the absence of Matrix (Moist) NR 5/1 	indicators.) (Typ %  85 	e: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  4/4 	Mottles %  15 	Grains: Location: PL Type  C 	Location  M 	(e.g. clay, sand, loam) peat coarse sandy loam 
SOILS Profile Descrip Top Depth 3 0  	btion (Describe to) Bottom Depth 0 4  	surface water arour he depth needed to document the inc Horizon 1 2	dicator or confirm Color  2.5Y  	n the absence of Matrix (Moist) NR 5/1  	indicators.) (Typ %  85  	e: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  4/4  	Mottles           %              15	Grains: Location: PL Type  C  	Location  M  	(e.g. clay, sand, loam) peat coarse sandy loam  
SOILS Profile Descrip Top Depth 3 0   	btion (Describe to Bottom Depth 0 4  	surface water arour he depth needed to document the inc Horizon 1 2	dicator or confirm Color  2.5Y  	ers Matrix (Moist) NR 5/1   	indicators.) (Typ %  85  	e: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  4/4   	Mottles           %              15	Grains; Location: PL Type  C   	Location  M   	(e.g. clay, sand, loam) peat coarse sandy loam   
SOILS Profile Descrip Top Depth 3 0    	btion (Describe to Bottom Depth 0 4   	surface water arour he depth needed to document the inc Horizon 1 2	dicator or confirm Color  2.5Y    	ers m the absence of Matrix (Moist) NR 5/1    	indicators.) (Typ % 85    	e: C=Concentra	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles           %              15	Grains: Location: PL Type  C    	Location  M    	(e.g. clay, sand, loam) peat coarse sandy loam     
SOILS Profile Descrip Top Depth 3 0       	btion (Describe to Bottom Depth 0 4      	surface water arour he depth needed to document the inc Horizon 1 2	Sector or confirm	ers Matrix (Moist) NR 5/1      	indicators.) (Typ %  85      		ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles           %              15	Grains; Location: PL  C        	Location  M     	(e.g. clay, sand, loam) peat coarse sandy loam       
SOILS Profile Descrip Top Depth 3 0    NRCS Hydric	btion (Describe to Bottom Depth 0 4    Soil Field In	surface water arour he depth needed to document the inc Horizon 1 2	Sector or confirm	ers mthe absence of Matrix (Moist) NR 5/1 cators ar	'indicators.) (Tyr %  85      re not pre		ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles %  15       <u>Indicator</u>	Grains; Location: PL Type  C        	Location  M     matic Soils ¹	(e.g. clay, sand, loam) peat coarse sandy loam        
SOILS Profile Descrip Top Depth 3 0    NRCS Hydric	btion (Describe to Bottom Depth 0 4    Soil Field In A1- Histosol	surface water arour he depth needed to document the inc Horizon 1 2 dicators (check he	Sector or confirm	ers mthe absence of Matrix (Moist) NR 5/1 cators ar	indicators.) (Tyr %  85      e not pre S8 - Poly	e: C=Concentra  10YR      ssent value Belo	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles %  15      	Grains; Location: PL Type  C    s for Proble A10 - 2 cm I	Location       matic Soils ¹ Vuck (LRR K, L, MLRA 1	(e.g. clay, sand, loam) peat coarse sandy loam          -
SOILS Profile Descrip Top Depth 3 0 NRCS Hydric	btion (Describe to Bottom Depth 0 4    Soil Field In A1- Histosol A2 - Histic EF	surface water arour he depth needed to document the inc Horizon 1 2 dicators (check he bipedon	Sector or confirm	ers mathe absence of Matrix (Moist) NR 5/1      cators ar □	indicators.) (Tyr %  85     re not pre S8 - Poly S9 - Thin	e: C=Concentra        esent Value Belo Dark Suffa	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles %  15     Indicator	Grains; Location: PL Type  C      	Location  M     matic Soils ¹ Vluck (LRR K, L, MLRA 1 Prairie Redox (LRR	(e.g. clay, sand, loam) peat coarse sandy loam      49B) K, L, R)
SOILS Profile Descrip Top Depth 3 0 NRCS Hydric	btion (Describe to Bottom Depth 0 4    Soil Field In A1- Histosol A2- Histic EF A3 - Black Hi	surface water arour he depth needed to document the inc Horizon 1 2 dicators (check he bipedon stic	Sector or confirm	ers mthe absence of Matrix (Moist) NR 5/1 cators ar	indicators.) (Typ %  85       S8 - Poly S9 - Thin S9 - Thin		ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles %  15     Indicator	Grains: Location: PL Type  C     s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mu	Location  M    matic Soils ¹ Vluck (LRR K, L, MLRA 1 Prairie Redox (LRR Jucky Peat of Peat (	(e.g. clay, sand, loam) peat coarse sandy loam      49B) K, L, R)
SOILS Profile Descrip Top Depth 3 0 NRCS Hydric	btion (Describe to Bottom Depth 0 4    Soil Field In A1- Histoso A2 - Histic Er A3 - Black Hi A4 - Hydroge	surface water arour he depth needed to document the inc Horizon 1 2 dicators (check he bipedon stic n Sulfide	Sector or confirm	ers mthe absence of Matrix (Moist) NR 5/1    cators ar  cators ar  	'indicators.) (Tyr %  85             		ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles % 15 Indicator	Grains; Location: PL Type  C    s for Proble A10 - 2 cm 1 A16 - Coast S3 - 5cm Mu S7 - Dark S0	Location  M     matic Soils ¹ Vuck (LRR K, L, MLRA 1 Prairie Redox (LRR city Peat of Peat ( Juface (LRR K, L, M)	(e.g. clay, sand, loam) peat coarse sandy loam     (K, L, R) LRR K, L, R)
SOILS Profile Descrip Top Depth 3 0 NRCS Hydric	btion (Describe to Bottom Depth 0 4    Soil Field In A1- Histosol A2 - Histic Er A3 - Black Hi A4 - Hydroge A5 - Stratified	surface water arour he depth needed to document the inc Horizon 1 2 dicators (check he bipedon stic n Sulfide d Layers	dicator or confirm Color  2.5Y     ere if indi	ers mthe absence of Matrix (Moist) NR 5/1 cators ar	"indicators.) (Tyr %  85             		ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  4/4          -	Mottles % 15 Indicator	Grains; Location: PL Type  C     s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mt S7 - Dark St S8 - Polyval	Location  M    matic Soils ¹ Vluck (LRR K, L, MLRA 1 Prairie Redox (LRR Jucky Peat of Peat (	(e.g. clay, sand, loam) peat coarse sandy loam       49B) K, L, R) LRR K, L, R) (LRR K, L)
SOILS Profile Descrip Top Depth 3 0 NRCS Hydric	btion (Describe to Depth 0 4    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplett	surface water arour he depth needed to document the inc Horizon 1 2 dicators (check he bipedon stic n Sulfide 1 Layers ed Below Dark Surface	dicator or confirm Color  2.5Y     ere if indi	ers mthe absence of Matrix (Moist) NR 5/1 cators ar	Indicators.) (Tyr %  85    re not pre S8 - Poly S9 - Thin F1 - Loar F2 - Loar F3 - Depl F6 - Redo		ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles % 15 Indicator	Grains; Location: PL Type  C    s for Proble A10 - 2 cm I A16 - Coast S3 - Scm MU S7 - Dark St S8 - Polyval S9 - Thin Da	Location  M     matic Soils ¹ Vluck (LRR K, L, MLRA 1 Prairie Redox (LRR Jcky Peat of Peat ( Trace (LRR K, L, M) ue Below Surface	(e.g. clay, sand, loam) peat coarse sandy loam      49B) :K, L, R) LRR K, L, R) (LRR K, L)
SOILS Profile Descrip Top Depth 3 0 NRCS Hydric	btion (Describe to Depth 0 4    Soil Field In A1- Histosol A2 - Histic Er A3 - Black Hi A4 - Hydroge A5 - Stratifice A1 - Deplet A12 - Thick D	surface water arour he depth needed to document the inc Horizon 1 2 dicators (check he bipedon stic n Sulfide d Layers ad Below Dark Surface bark Surface	dicator or confirm Color  2.5Y     ere if indi	ers mthe absence of Matrix (Moist) NR 5/1     cators ar 2 2 2 2 2 2 2 2 2 2 2 2 2	Indicators.) (Tyr %  85    re not pre S8 - Poly S9 - Thin F1 - Loar F2 - Loar F3 - Depl F6 - Redo	e: C=Concentra 10YR          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles %                                                                                                                                       	Grains: Location: PL        s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mt S7 - Dark St S8 - Polyval S9 - Thin Da F12 - Iron-M	Location  M    matic Soils ¹ Vluck (LRR K, L, MLRA 1 Prairie Redox (LRR Jrface (LRR K, L, M) urface (LRR K, L, M)	(e.g. clay, sand, loam) peat Coarse sandy loam     49B) :K, L, R) LRR K, L, R) (LRR K, L, R)
SOILS Profile Descrip Top Depth 3 0 NRCS Hydric	btion (Describe to Bottom Depth 0 4    Soil Field In A1- Histosoi A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick E S1 - Sandy M S4 - Sandy G	surface water arour	dicator or confirm Color  2.5Y     ere if indi	ers mthe absence of Matrix (Moist) NR 5/1     cators ar 2 2 2 2 2 2 2 2 2 2 2 2 2	indicators.) (Tyr           %              85	e: C=Concentra 10YR          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles % 15 Indicator	Grains; Location: PL Type  C        	Location  M      	(e.g. clay, sand, loam) peat coarse sandy loam      49B) (K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (IRR K, L, R) (IRR K, L, R)
SOILS Profile Descrip Top Depth 3 0 NRCS Hydric	btion (Describe to Depth 0 4    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifier A11 - Deplett A12 - Thick D S1 - Sandy M S4 - Sandy R	surface water arour he depth needed to document the inc Horizon 1 2   dicators (check he bipedon stic n Sulfide b Layers ed Below Dark Surface bark Surface luck Mineral ileyed Matrix edox	dicator or confirm Color  2.5Y     ere if indi	ers mthe absence of Matrix (Moist) NR 5/1     cators ar 2 2 2 2 2 2 2 2 2 2 2 2 2	indicators.) (Tyr           %              85	e: C=Concentra 10YR          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles % 15	Grains; Location: PL Type        -	Location  M      matic Soils ¹ Vluck (LRR K, L, MLRA 1 Prairie Redox (LRR prairie Redox (LRR K, L) urface (LRR K, L, M) urface (LRR K, L, M) urface (LRR K, L, M) sourface (LRR K, L) anganese Masses ont Floodplain Soi Spodic (mura 144A, 1 arent Material	(e.g. clay, sand, loam) peat coarse sandy loam          -
SOILS Profile Descrip Top Depth 3 0 NRCS Hydric	btion (Describe to Bottom Depth 0 4    Soil Field In A1- Histosol A2 - Histic Er A3 - Black Hi A4 - Hydroge A5 - Stratifice A1 - Deplet A1 - Deplet A1 - Deplet A1 - Sandy M S4 - Sandy R S4 - Sandy R S5 - Sandy R S6 - Stripped	surface water arour he depth needed to document the inc Horizon 1 2 dicators (check he bipedon stic n Sulfide d Layers ad Below Dark Surface Dark Surface luck Mineral ileyed Matrix edox Matrix	dicator or confirm Color  2.5Y     ere if indi	ers mthe absence of Matrix (Moist) NR 5/1     cators ar 2 2 2 2 2 2 2 2 2 2 2 2 2	indicators.) (Tyr           %              85	e: C=Concentra 10YR          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles % 15	Grains: Location: PL        -	Location  M        Muck (LRR K, L, MLRA 1 Prairie Redox (LRR Jcky Peat of Peat ( Irface (LRR K, L, M) ue Below Surface H& Surface (LRR K, L, M) ue Below Surface the Surface (LRR K, L, M) arent Material Spodic (MLRA 144A, 1 arent Material Shallow Dark Surf	(e.g. clay, sand, loam) peat coarse sandy loam          -
SOILS Profile Descrip Top Depth 3 0 NRCS Hydric	btion (Describe to Bottom Depth 0 4    Soil Field In A1- Histosol A2 - Histic Er A3 - Black Hi A4 - Hydroge A5 - Stratifice A1 - Deplet A1 - Deplet A1 - Deplet A1 - Sandy M S4 - Sandy R S4 - Sandy R S5 - Sandy R S6 - Stripped	surface water arour he depth needed to document the inc Horizon 1 2   dicators (check he bipedon stic n Sulfide b Layers ed Below Dark Surface bark Surface luck Mineral ileyed Matrix edox	dicator or confirm Color  2.5Y     ere if indi	ers mthe absence of Matrix (Moist) NR 5/1     cators ar 2 2 2 2 2 2 2 2 2 2 2 2 2	indicators.) (Tyr           %              85	e: C=Concentra 10YR          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles % 15	Grains; Location: Pl           Type              C                                                  Sfor Proble           A10 - 2 cm 1           A16 - Coast           S3 - 5cm Mt           S7 - Dark St           S8 - Polyval           S9 - Thin Da           F12 - Iron-M           F19 - Piedm           TA6 - Mesic           TF2 - Red P           TF2 - Very           Other (Expla	Location  M      	(e.g. clay, sand, loam) peat coarse sandy loam     (K, L, R) (LRR K, L) (LRR
SOILS Profile Descrip Top Depth 3 0 NRCS Hydric	btion (Describe to Bottom Depth 0 4    Soil Field In A1- Histosol A2 - Histic Er A3 - Black Hi A4 - Hydroge A5 - Stratifice A12 - Thick ID S1 - Sandy M S4 - Sandy R S4 - Sandy R S5 - Sandy R S6 - Stripped	surface water arour he depth needed to document the inc Horizon 1 2 dicators (check he bipedon stic n Sulfide d Layers ad Below Dark Surface Dark Surface luck Mineral ileyed Matrix edox Matrix	dicator or confirm Color  2.5Y     ere if indi	ers mthe absence of Matrix (Moist) NR 5/1     cators ar 2 2 2 2 2 2 2 2 2 2 2 2 2	indicators.) (Tyr           %              85	e: C=Concentra 10YR          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles % 15	Grains; Location: Pl           Type              C                                                  Sfor Proble           A10 - 2 cm 1           A16 - Coast           S3 - 5cm Mt           S7 - Dark St           S8 - Polyval           S9 - Thin Da           F12 - Iron-M           F19 - Piedm           TA6 - Mesic           TF2 - Red P           TF2 - Very           Other (Expla	Location  M        Muck (LRR K, L, MLRA 1 Prairie Redox (LRR Jcky Peat of Peat ( Irface (LRR K, L, M) ue Below Surface H& Surface (LRR K, L, M) ue Below Surface the Surface (LRR K, L, M) arent Material Spodic (MLRA 144A, 1 arent Material Shallow Dark Surf	(e.g. clay, sand, loam) peat coarse sandy loam     (K, L, R) (LRR K, L) (LRR
SOILS Profile Descrip Top Depth 3 0 NRCS Hydric	btion (Describe to Depth 0 4     Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifier A11 - Deplett A11 - Deplett A11 - Deplett A2 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Su	surface water arour he depth needed to document the inc Horizon 1 2   dicators (check he bipedon stic n Sulfide b Layers ed Below Dark Surface bark Surface luck Mineral leyed Matrix edox Matrix rface (LRR R, MLRA 149B)	dicator or confirm Color  2.5Y     ere if indi	ers Matrix (Moist) NR 5/1     cators ar  cators ar          -	Indicators.) (Tyr %            	e: C=Concentra 10YR          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles % 15	Grains; Location: PI Type  C      	Location  M      matic Soils ¹ Vluck (LRR K, L MLRA 1 Prairie Redox (LRR prairie Redox (LRR L,L,M) urface (LRR K, L) urface (LRR K, L) arganese Massee ont Floodplain Soi Spodic (mLRA 144A, 1 'arent Material Shallow Dark Surf arent Material Shallow Dark Surf arent Material	(e.g. clay, sand, loam) peat coarse sandy loam          -
SOILS Profile Descrip Top Depth 3 0 NRCS Hydric	btion (Describe to Bottom Depth 0 4    Soil Field In A1- Histosol A2 - Histic Er A3 - Black Hi A4 - Hydroge A5 - Stratifice A12 - Thick ID S1 - Sandy M S4 - Sandy R S4 - Sandy R S5 - Sandy R S6 - Stripped	surface water arour he depth needed to document the inc Horizon 1 2   dicators (check he bipedon stic n Sulfide b Layers ed Below Dark Surface bark Surface luck Mineral leyed Matrix edox Matrix rface (LRR R, MLRA 149B)	dicator or confirm Color  2.5Y     ere if indi	ers mthe absence of Matrix (Moist) NR 5/1     cators ar 2 2 2 2 2 2 2 2 2 2 2 2 2	Indicators.) (Tyr %            	e: C=Concentra 10YR          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles % 15	Grains; Location: PI Type  C        	Location  M      matic Soils ¹ Vluck (LRR K, L MLRA 1 Prairie Redox (LRR prairie Redox (LRR L,L,M) urface (LRR K, L) urface (LRR K, L) arganese Massee ont Floodplain Soi Spodic (mLRA 144A, 1 'arent Material Shallow Dark Surf arent Material Shallow Dark Surf arent Material	(e.g. clay, sand, loam) peat coarse sandy loam     (K, L, R) (LRR K, L) (LRR
SOILS Profile Descrip Top Depth 3 0 NRCS Hydric	btion (Describe to Depth 0 4     Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifier A11 - Deplett A11 - Deplett A11 - Deplett A2 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Su	surface water arour he depth needed to document the inc Horizon 1 2   dicators (check he bipedon stic n Sulfide b Layers ed Below Dark Surface bark Surface luck Mineral leyed Matrix edox Matrix rface (LRR R, MLRA 149B)	dicator or confirm Color  2.5Y     ere if indi	ers Matrix (Moist) NR 5/1     cators ar  cators ar          -	Indicators.) (Tyr %            	e: C=Concentra 10YR          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles % 15	Grains; Location: PI Type  C        	Location  M      matic Soils ¹ Vluck (LRR K, L MLRA 1 Prairie Redox (LRR prairie Redox (LRR L,L,M) urface (LRR K, L) urface (LRR K, L) arganese Massee ont Floodplain Soi Spodic (mLRA 144A, 1 'arent Material Shallow Dark Surf arent Material Shallow Dark Surf arent Material	(e.g. clay, sand, loam) peat coarse sandy loam          -
SOILS Profile Descrip Top Depth 3 0 NRCS Hydric	btion (Describe to Depth 0 4     Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifier A11 - Deplett A11 - Deplett A11 - Deplett A2 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Su	surface water arour he depth needed to document the inc Horizon 1 2   dicators (check he bipedon stic n Sulfide b Layers ed Below Dark Surface bark Surface luck Mineral leyed Matrix edox Matrix rface (LRR R, MLRA 149B)	dicator or confirm Color  2.5Y     ere if indi	ers Matrix (Moist) NR 5/1     cators ar  cators ar          -	Indicators.) (Tyr %            	e: C=Concentra 10YR          -	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) 4/4	Mottles % 15	Grains; Location: PI Type  C        	Location  M      matic Soils ¹ Vluck (LRR K, L MLRA 1 Prairie Redox (LRR prairie Redox (LRR L,L,M) urface (LRR K, L) urface (LRR K, L) arganese Massee ont Floodplain Soi Spodic (mLRA 144A, 1 'arent Material Shallow Dark Surf arent Material Shallow Dark Surf arent Material	(e.g. clay, sand, loam) peat coarse sandy loam          -

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Northeast and Northcentral Region

	Weaver Wind Project				Wetland ID: W097 Sample Point Wetla
GETATION	(Species identified in all uppercase are non-na Plot size: 10 meter radius)	ative spec	cies.)		
	<u>Species Name</u>	% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.	Tsuga canadensis	20	Y	FAC	
2.	Betula alleghaniensis	20	Y	FAC	Number of Dominant Species that are OBL, FACW, or FAC: 5 (A)
3.	Fraxinus pennsylvanica	10	N	FACW	
4.	Picea rubens	5	N	FAC	Total Number of Dominant Species Across All Strata: 9 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <u>55.6%</u> (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 $x 1 = 0$
	Total Cover =	55			FACW spp. 17 X $2 = 34$
					FAC spp. $60$ X $3 = 180$
	tratum (Plot size: 5 meter radius)				FACU spp. 25 X 4 = 100
1.	Picea rubens	10	Y	FACU	UPL spp X 5 =0
2.	Betula alleghaniensis	10	Y	FAC	
3.	Tsuga canadensis	5	Y	FACU	Total <u>102</u> (A) <u>314</u> (B)
4.	Fraxinus pennsylvanica	5	Y	FACW	
5.					Prevalence Index = B/A = 3.078
6.					
7.					Hudronbutio Vagatation Indicatoro
<u>8.</u> 9.					Hydrophytic Vegetation Indicators:
9. 10.					Yes Voc Rapid Test for Hydrophytic Vegetation
10.	 Total Cover =				
		30			
					—
arb Stratum (P	lot size: 2 meter radius)				— — — — — — — — — — — — — — — — — — —
	lot size: 2 meter radius)	5	Y	FAC	—
1.	Acer rubrum	5	Y	FAC	<ul> <li>Yes ☑ No Morphological Adaptations (Explain) *</li> <li>Yes ☑ No Problem Hydrophytic Vegetation (Explain) *</li> <li>* Indicators of hydric soil and wetland hydrology must be</li> </ul>
1. 2.	Acer rubrum Picea rubens	5	Y	FACU	<ul> <li>Yes ☑ No Morphological Adaptations (Explain) *</li> <li>Yes ☑ No Problem Hydrophytic Vegetation (Explain) *</li> </ul>
1. 2. 3.	Acer rubrum Picea rubens Aralia nudicaulis	5 5	Y Y	FACU FACU	<ul> <li>Yes ☑ No Morphological Adaptations (Explain) *</li> <li>Yes ☑ No Problem Hydrophytic Vegetation (Explain) *</li> <li>* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>
1.           2.           3.           4.	Acer rubrum Picea rubens	5	Y	FACU	<ul> <li>Yes INO Morphological Adaptations (Explain) *</li> <li>Yes INO Problem Hydrophytic Vegetation (Explain) *</li> <li>* Indicators of hydric soil and wetland hydrology must be</li> </ul>
1. 2. 3. 4. 5.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre	5 5 2	Y Y N 	FACU FACU FACW	Yes ☑ No Morphological Adaptations (Explain) *     Yes ☑ No Problem Hydrophytic Vegetation (Explain) *     * Indicators of hydric soil and wetland hydrology must be     present, unless disturbed or problematic.  Definitions of Vegetation Strata:
1. 2. 3. 4. 5. 6	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre 	5 5 2 	Y Y N  	FACU FACU FACW 	<ul> <li>Yes ☑ No Morphological Adaptations (Explain) *</li> <li>Yes ☑ No Problem Hydrophytic Vegetation (Explain) *</li> <li>* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>
1.           2.           3.           4.           5.           6           7.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre	5 5 2  	Y Y N  	FACU FACU FACW	Yes       No       Morphological Adaptations (Explain) *         Yes       No       Problem Hydrophytic Vegetation (Explain) *         * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Definitions of Vegetation Strata:         Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
1.           2.           3.           4.           5.           6           7.           8.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre   	5 5 2 	Y Y N  	FACU FACU FACW   	Yes       No       Morphological Adaptations (Explain) *         Yes       No       Problem Hydrophytic Vegetation (Explain) *         * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Definitions of Vegetation Strata:         Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
1.           2.           3.           4.           5.           6           7.           8.           9.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre     	5 5 2    	Y Y N   	FACU FACU FACW   	☐ Yes       No       Morphological Adaptations (Explain) *         ☐ Yes       No       Problem Hydrophytic Vegetation (Explain) *         * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Definitions of Vegetation Strata:         Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
1.           2.           3.           4.           5.           6           7.           8.           9.           10.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre	5 5 2    	Y Y N   	FACU FACU FACW    	☐       Yes       No       Morphological Adaptations (Explain) *         ☐       Yes       No       Problem Hydrophytic Vegetation (Explain) *         * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.       *         Definitions of Vegetation Strata:       Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.         Sapling/Shrub - Woody plants Iss than 3 in. DBH and greater than 3.28 ft.
1.           2.           3.           4.           5.           6           7.           8.           9.           10.           11.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre	5 5 2     	Y Y N    	FACU FACU FACW     	☐       Yes       No       Morphological Adaptations (Explain) *         ☐       Yes       No       Problem Hydrophytic Vegetation (Explain) *         * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.       *         Definitions of Vegetation Strata:       Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.         Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tail.         Herb - All herbaceous (non-woody) plants, regardless of size,
1.           2.           3.           4.           5.           6           7.           8.           9.           10.           11.           12.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre	5 5 2       	Y Y N      	FACU FACU FACW       	Yes       No       Morphological Adaptations (Explain) *         Yes       No       Problem Hydrophytic Vegetation (Explain) *         * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Definitions of Vegetation Strata:         Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.         Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
1.           2.           3.           4.           5.           6           7.           8.           9.           10.           11.           12.           13.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre	5 5 2         	Y Y N        	FACU FACU FACW        	Yes       No       Morphological Adaptations (Explain) *         Yes       No       Problem Hydrophytic Vegetation (Explain) *         * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Definitions of Vegetation Strata:         Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.         Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.         Herb - All herbaceous (non-woody) plants, regardless of size,
1.           2.           3.           4.           5.           6           7.           8.           9.           10.           11.           12.           13.           14.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre	5 5 2            	Y Y N         	FACU FACU FACW         	☐       Yes       No       Morphological Adaptations (Explain) *         ☐       Yes       No       Problem Hydrophytic Vegetation (Explain) *         * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.       *         Definitions of Vegetation Strata:       Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.         Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tail.         Herb - All herbaceous (non-woody) plants, regardless of size,
1.           2.           3.           4.           5.           6           7.           8.           9.           10.           11.           12.           13.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre	5 5 2            	Y Y N         	FACU FACU FACW         	Yes       No       Morphological Adaptations (Explain) *         Yes       No       Problem Hydrophytic Vegetation (Explain) *         * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.       *         Definitions of Vegetation Strata:       Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.         Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.         Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
1.         2.         3.         4.         5.         6         7.         8.         9.         10.         11.         12.         13.         14.         15.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre	5 5 2            	Y Y N         	FACU FACU FACW         	Yes       No       Morphological Adaptations (Explain) *         Yes       No       Problem Hydrophytic Vegetation (Explain) *         * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.       *         Definitions of Vegetation Strata:       Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.         Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.         Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
1.           2.           3.           4.           5.           6           7.           8.           9.           10.           11.           12.           13.           14.           15.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre	5 5 2           17	Y Y N            	FACU FACU FACW             -	Yes       No       Morphological Adaptations (Explain) *         Yes       No       Problem Hydrophytic Vegetation (Explain) *         * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.       *         Definitions of Vegetation Strata:       Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.         Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.         Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
1.           2.           3.           4.           5.           6           7.           8.           9.           10.           11.           12.           13.           14.           15.           oody Vine Stra           1.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre	5 5 2           17	Y Y N            	FACU FACU FACW             -	Yes       No       Morphological Adaptations (Explain) *         Yes       No       Problem Hydrophytic Vegetation (Explain) *         * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.       *         Definitions of Vegetation Strata:       Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.         Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.         Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
1.           2.           3.           4.           5.           6           7.           8.           9.           10.           11.           12.           13.           14.           15.           Soody Vine Stra           1.           2.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre	5 5 2         17	Y Y N            	FACU FACU FACW             -	<ul> <li>Yes No Morphological Adaptations (Explain)*</li> <li>Yes No Problem Hydrophytic Vegetation (Explain)*</li> <li>* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul> Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall. Woody Vines - All woody vines greater than 3.28 ft. in height.
1.           2.           3.           4.           5.           6           7.           8.           9.           10.           11.           12.           13.           14.           15.           oody Vine Strat.           1.           2.           3.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre	5 5 2        17	Y Y N            	FACU FACU FACW             -	Yes       No       Morphological Adaptations (Explain) *         Yes       No       Problem Hydrophytic Vegetation (Explain) *         * Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.       *         Definitions of Vegetation Strata:       Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.         Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.         Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
1. 2. 3. 4. 5. 6 7. 8. 9. 10. 11. 12. 13. 14. 15. Dody Vine Stra 1. 2. 3. 4. 2. 3. 4. 5. 5. 5. 5. 6 7. 8. 9. 5. 5. 6 7. 8. 9. 10. 11. 12. 13. 14. 15. 5. 5. 10. 11. 12. 13. 14. 14. 15. 14. 15. 14. 15. 15. 16. 17. 17. 18. 19. 10. 11. 12. 13. 14. 15. 14. 15. 14. 15. 14. 15. 14. 15. 14. 15. 14. 15. 14. 15. 14. 15. 14. 15. 14. 15. 14. 15. 14. 15. 14. 15. 14. 15. 14. 15. 15. 15. 15. 15. 15. 15. 15	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre	5 5 2         17	Y Y N            	FACU FACW             -	<ul> <li>Yes No Morphological Adaptations (Explain)*</li> <li>Yes No Problem Hydrophytic Vegetation (Explain)*</li> <li>* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul> Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall. Woody Vines - All woody vines greater than 3.28 ft. in height.
1.           2.           3.           4.           5.           6           7.           8.           9.           10.           11.           12.           13.           14.           15.           body Vine Strat.           1.           2.           3.	Acer rubrum Picea rubens Aralia nudicaulis Ribes lacustre	5 5 2        17	Y Y N            	FACU FACU FACW             -	<ul> <li>Yes No Morphological Adaptations (Explain)*</li> <li>Yes No Problem Hydrophytic Vegetation (Explain)*</li> <li>* Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul> Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall. Woody Vines - All woody vines greater than 3.28 ft. in height.



Soil Unit:       Cattor-Adams complex, 3-15% slopes       NW/WWI Classification: Upland       Wetland ID::::::::::::::::::::::::::::::::::::	escribe Recorde emarks: DILS rofile Descript Top Depth 0 12      IRCS Hydric S	tion (Describe to Bottom Depth 12 18     Soil Field In A1- Histosol	he depth needed to document the ind Horizon 1 2     dicators (check he	cator or confirm the a Color (I 7.5YR 2.5Y	baance of indice Matrix Moist) 2.5/1 5/2       ors are n	with the second secon	Concentration, D	Depletion, RM=Reduced Matrix, CS=Cov Color (Moist)        -	Mottles %       <u>Indicator</u>	Location: PL=Pore L Type       s for Proble A10 - 2 cm	Location matic Soils ¹ Vuck (LRR K, L, MLRA 14	
Soil Unit:       Calton-Adams complex, 315% elopes       NWLWW (Classification: Upland       Wetland ID: Wool         Standform:       State slope       Local Relief: Convext       State Slope       State Slope <td< td=""><td>escribe Recorde emarks: DILS rofile Descript Top Depth 0 12      URCS Hydric S</td><td>tion (Describe to Bottom Depth 12 18    Soil Field In</td><td>the depth needed to document the ind Horizon 1 2       </td><td>cator or confirm the a Color (I 7.5YR 2.5Y</td><td>bsence of Indica Matrix Moist) 2.5/1 5/2       ors are n</td><td>yrevious           %           100           100                                                                                                                                                 </td></td<> <td>Concentration, D      t</td> <td>Depletion, RM=Reduced Matrix, CS=Cov Color (Moist)         </td> <td>Mottles %</td> <td>Location: PL=Pore L Type      s for Proble</td> <td>Location       matic Soils ¹</td> <td>(e.g. clay, sand, loa loam        </td>	escribe Recorde emarks: DILS rofile Descript Top Depth 0 12      URCS Hydric S	tion (Describe to Bottom Depth 12 18    Soil Field In	the depth needed to document the ind Horizon 1 2       	cator or confirm the a Color (I 7.5YR 2.5Y	bsence of Indica Matrix Moist) 2.5/1 5/2       ors are n	yrevious           %           100           100	Concentration, D      t	Depletion, RM=Reduced Matrix, CS=Cov Color (Moist)         	Mottles %	Location: PL=Pore L Type      s for Proble	Location       matic Soils ¹	(e.g. clay, sand, loa loam        
Soil Unit:       Cattor-Adams complex, 3-15% slopes       NW/WWI Classification: Upland       Wetland ID::::::::::::::::::::::::::::::::::::	escribe Recorde emarks: DILS rofile Descript Top Depth 0 12     	tion (Describe to Bottom Depth 12 18    	the depth needed to document the ind Horizon 1 2       	cator or confirm the a Color (I 7.5YR 2.5Y	bsence of Indica Matrix Moist) 2.5/1 5/2    	(Type: C=C) % 100 100    		Depletion, RM=Reduced Matrix, CS=Cov Color (Moist)          -	Mottles %         	Location: PL=Pore L        -	Location        	(e.g. clay, sand, loa loam sandy loam     
Soil Unit:       Calton-Adams complex, 3-15% slopes       NW/WWI Classification: Upland       Wetland ID::::::::::::::::::::::::::::::::::::	escribe Recorde emarks: DILS rofile Descript Top Depth 0 12   	tion (Describe to Bottom Depth 12 18   	the depth needed to document the ind Horizon 1 2	cator or confirm the a Color (I 7.5YR 2.5Y	bsence of Indica Matrix Moist) 2.5/1 5/2   	verse (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		Depletion, RM=Reduced Matrix, CS=Cov Color (Moist)        	Mottles %       	Location: PL=Pore I Type      	Location      	(e.g. clay, sand, loa loam sandy loam     
Soil Unit:       Cattor-Adams complex, 3-15% slopes       NW/WWI Classification: Upland       Wetland ID::       Weeland D::       Wee	escribe Recorde emarks: DILS rofile Descript Top Depth 0 12   	tion (Describe to: Bottom Depth 12 18  	eam gauge, monitorin the depth needed to document the ind Horizon 1 2	cator or confirm the a Color (I 7.5YR 2.5Y  	beence of indica Matrix Voist) 2.5/1 5/2  	yrevious           tors.) (Type: C=C           %           100           100	Concentration, D-	Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)       	Mottles %    	Location: PL=Pore L Type     	Location    	(e.g. clay, sand, loa loam sandy loam   
Soil Unit:       Cotton-Adams complex, 3-15% slopes       NW/WWI Classification: Upland       Wetland ID::       Woos         Side slope       Side slope       Local Relif: Convex       Dealum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (rne, explain remarks)       IV yes       No       Section:          Are Vegetation       , Soil I, or Hydrology       insturatived?       Are normal circumstances present?       Township:          Are Vegetation       , Soil I, or Hydrology       insturatived?       Yes       No       Hydrology Indicators (Check here if indicators are not present?       Yes       No       Hydrology Indicators (Check here if indicators are not present       I):       Is This Sampling Point Within A Wetland?       Y         PRORLOCY       Wetland Hydrology Indicators (Check here if indicators are not present       I):       Is This Sampling Point Within A Wetland?       Y         Promover       A1: Surface Water       B9: Water-Stained Leaves       B1: Anar Deposite       B1: Anar Deposite       B1: Anar Deposite       C: Dry Season Water Table	escribe Recorde emarks: DILS rofile Descript Top Depth 0 12  	tion (Describe to Bottom Depth 12 18  	eam gauge, monitorin the depth needed to document the ind Horizon 1 2	cator or confirm the a Color (I 7.5YR 2.5Y 	bsence of indica Matrix Moist) 2.5/1 5/2 	Previous tors.) (Type: C=C % 100 100  	Concentration, D	Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)     	Mottles %   	Location: PL=Pore L Type   	Location   	(e.g. clay, sand, loa loam sandy loam  
Soil Unit:       Colon-Adams complex, 3-15% slopes       NWIWWW Classification:       Upland       Wetland ID:       W099         Landform:       Side slope       Side slope       Datum:       Somple Point:       Upland         Are climatic/hydrologic conditions on the site typical for this time of year? (Inc. explain in remarka)       If Yes       No       Socion:       Townshp:       Range:       Datum:       Socion:       Townshp:       Range:       Datum:       Socion:       Townshp:       Range:       Datum:       Socion:       Townshp:       Range:       Datum:       Socion:	escribe Recorde emarks: DILS rofile Descript Top Depth 0 12 	tion (Describe to Bottom Depth 12 18 	the depth needed to document the ind Horizon 1 2 	ceter or confirm the a Color (I 7.5YR 2.5Y 	bsence of indica Matrix Moist) 2.5/1 5/2 	tors.) (Type: C=C % 100 100 	Concentration, D:	Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)   	Mottles %  	Location: PL=Pore L Type   	Location   	(e.g. clay, sand, loa loam sandy loam 
Soil Unit:       Colon-Adams complex, 3-15% slopes       NWIWWI Classification: Upland       Wetland ID:       W009         Landform:       Side slope       Local Relief: Convex       Datum:       Community ID:       Smple Point:       Upland         Soile (%):       3-9       Latitude:       44.304650       Longitude:       68.21362       Datum:       Community ID:       Section:          Are Vegetation       Soil         or Hydrology       inplicativity disturbed?       Are normal circumstances present?       Township:       Range:       Disturbed?         MMMRX VG Segatation Present?       Inplicativity opelematic?       Yes       No       Hydrology Indicators (Check here if indicators are not present       Is This Sampling Point Within A Wetland?       Yes         Wetland Hydrology Indicators (Check here if indicators are not present       D:       Bit - Map Mater Table       Bit - Aquatic Pauna       Bit - Surface Soil Cracks       Bit - Dianage Patterns       Bit - Aquati A Wet Marks       Community iD:       Sacuration Visible on Artial         Bit - Dianage Patterns       Bit - Adgati Mar or Crust       Ci - Hydrogens Suide O for       Ci - Phy-Season	escribe Recorde emarks: DILS rofile Descript Top Depth 0 12	tion (Describe to) Bottom Depth 12 18	eam gauge, monitorin the depth needed to document the ind Horizon 1 2	cator or confirm the a	bsence of indica Matrix Moist) 2.5/1 5/2	previous tors.) (Type: C=C % 100 100	Concentration, Da	Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)  	Mottles % 	Location: PL=Pore L Type  	Location 	(e.g. clay, sand, loa loam sandy loam
Soil Unit:       Colton-Adams complex, 3-15% slopes       NW/WWI Classification: Upland       Wetland ID:       W009         Landform:       Side slope       Local Relief: Convex       Datum:       Community ID:         Are climatic/hydrologic conditions on the site typical for this time of year? (if no, equipin in remarks)       Yes       No       Section:          Are Vegetation       Soil (), or Hydrology       Significanty disturbed?       Are normal circumstances present?       Township:          Are Vegetation P in No       Hydrology Present?       Yes       No       Hydrology Present?       Yes         Hydrology Present?       Yes       No       Hydrology Present?       Yes       Yes         Wetland Hydrology Indicators (Check here if indicators are not present       [):       Secondarc       66 - Surface Soil Cracks         Primary       Saturation       B1 - Water Marks       C1 - Hydrogosylife Odor       C2 - Ory-Season Water Table       216 - Moss Tim Lines         B1 - Water Marks       C1 - Hydrogosylifie Odor       C3 - Oxidered Rhizospheres on Line Reduced fron       C9 - Saturation Soil Cracks       C9 - Cansinge Praterre       C9 - Saturation Soil Cracks         B1 - Water Marks       C1 - Hydrogosylifie Odor       C3 - Oxidered Rhizospheres on Line Robots       C9 - Saturation Visible on Aerial       C9 - Saturation Visibl	escribe Recorde emarks: DILS rofile Descript Top Depth 0	tion (Describe to Bottom Depth 12	eam gauge, monitorin he depth needed to document the ind Horizon 1	ng well, aeria	bsence of indica Matrix Moist) 2.5/1	previous tors.) (Type: C=C % 100	Concentration, D	Depletion, RM=Reduced Matrix, CS=Cov Color (Moist)	Mottles % 	Location: PL=Pore L	Location 	(e.g. clay, sand, loa
Soil Unit:       Colton-Adams complex, 3-15% slopes       NW/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Datum:       Convext       Sample Point:       Upland         Side (%):       3-9       Latitude: 44.804659       Longitude: -82.21362       Datum:       Section:          Are climatic/hydrologic conditions on the site typical for this time of year? (in no epian in remarks)       I're normal circumstances present?       No       Section:          Are Vegetation       Soil  , or Hydrology inducative years       I're normal circumstances present?       Township:          Wetland Hydrology Present?       Yes       No       Hydrology inducators (Check here if indicators are not present []):       Present?       Ye       Ye       Ye       Ye         Wetland Hydrology Indicators (Check here if indicators are not present []):       Secondar;       B6 - Surface Soil Cracks       B10 - Drainage Paterns       B6 - Surface Soil Cracks       B10 - Drainage Paterns       B6 - Surface Soil Cracks       B10 - Drainage Paterns       B6 - Surface Soil Cracks       B10 - Drainage Paterns       B10 - Drainage Paterns       B6 - Surface Soil Cracks       B10 - Drainage Paterns       B10 - Drainage Paterns       B10 - Drainage Paterns       B6 - Surface Soil Cracks       B10 - Drainage Paterns       B6 -	escribe Recorde emarks: DILS rofile Descript Top Depth	tion (Describe to Bottom Depth	eam gauge, monitorin	icator or confirm the a	^{bsence of indica} Matrix Voist)	previous tors.) (Type: C=C %	Concentration, D	Depletion, RM-Reduced Matrix, CS-Cov	Mottles %	Location: PL=Pore L	Location	(e.g. clay, sand, loa
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification:       Upland         Landform:       Side slope       Local Relief:       Convex       Sample Point:       Upland         Soipe (%):       3-9       Latitude:       44.89466       Longitude:       -82.13862       Datum:       Community Dit:         Are climatic/hydrologic conditions on the site typical for this time of year? (troe, explain in remarks)       If yes       No       Section:          Are Vegetation       , Soil       , or Hydrology       insturally problematic?       Are normal circumstances present?       Township:          Hydrophytic Vegetation Present?       Yes       No       Hydrology Present?       Y Yes       No         Wetland Hydrology Indicators (Check here if indicators are not present       D :       Primary       B9 - Water-Stained Leaves       B6 - Surface Soil Cracks         B1:       - Surface Water       B3 - Aquatic Fauna       B10 - Dranage Patterns       B16 - Moss Trim Lines         B2:       - Surface Water       B3 - Aquatic Fauna       B16 - Moss Trim Lines       B16 - Moss Trim Lines         B2:       - Surface Water       B3 - Aquatic Fauna       B16 - Moss Trim Lines       B16 - Moss Trim Lines         B3:       Surface Water       Cost       Cost <td>escribe Recorde emarks: DILS rofile Descript Top</td> <td>ed Data (stro tion (Describe to Bottom</td> <td>eam gauge, monitorin</td> <td>ng well, aeria</td> <td>bsence of indica</td> <td>previous tors.) (Type: C=C</td> <td></td> <td>-Depletion, RM=Reduced Matrix, CS=Cov</td> <td>Mottles</td> <td>Location: PL=Pore L</td> <td></td> <td></td>	escribe Recorde emarks: DILS rofile Descript Top	ed Data (stro tion (Describe to Bottom	eam gauge, monitorin	ng well, aeria	bsence of indica	previous tors.) (Type: C=C		-Depletion, RM=Reduced Matrix, CS=Cov	Mottles	Location: PL=Pore L		
Soil Unit:       Colton-Adams complex, 3-15% slopes       NW//WWI Classification:       Upland       Wetland ID:       Woo9         Landform:       Side slope       Local Relief:       Convex       Sample Point:       Upland         Soile (%):       3-9       Latitude:       44.80469       Longitude:       -82.13862       Datum:       Community Di: -         Are vegetation       Soil or Hydrology isgnificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       Soil or Hydrology isgnificantly disturbed?       Are normal circumstances present?       Township:          SUMMARY OF FINDINGS       Hydrology Indicators (Check here if indicators are not present       D:        Premarks:         HYDROLOGY       Wetland Hydrology Indicators (Check here if indicators are not present       D:         Premarks:       B6 - Surface Soil Cracks       B10 - Drainage Patterns       B10 - Drainage Patterns       B10 - Drainage Patterns       B16 - Most Shurrows       B10 - Drainage Patterns       B10 - Crainage Patterns       B2 - Soil and Shurrows       C2 - Dry-Season Water Table       D - Surface Soil Cracks       D - Surface Soi	escribe Recorde emarks: DILS rofile Descript	ed Data (stro	eam gauge, monitorir	ng well, aeria	bsence of indica	previous					ining, M=Matrix)	Texture
Soil Unit:       Colton-Adams complex, 3-15% slopes       NW/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Stope (%):       3-9       Latitude:       44.804659       Longitude:       62.13822       Datum:       Community ID:         Are climatic/hydrologic conditions on the site typical for this time of year? (if no, explain in remarks)       Qres       No       Section:          Are Vegetation	escribe Recorde emarks: DILS	ed Data (stro	eam gauge, monitorir	ng well, aeria		previous			erert/Coated Sand Grains		ining M=Matrix)	
Soil Unit:       Colton-Adams complex, 3-15% slopes       NW/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Solpe (%):       3-9       Latitude:       44.804659       Longitude:       62.13822       Datum:         Are climatic/hydrologic conditions on the site typical for this time of year? (if no, explain in remarks)       If yes       No       Section:          Are Vegetation  , Soil  , or Hydrology       significantly disturbed?       Are normal circumstances present?       Township:          SUMMARY OF FINDINGS       If yes       No       Hydrolytyic Vegetation Present?       Yes       No         Hydrolytyic Vegetation Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yes         Wetland Hydrology Indicators (Check here if indicators are not present       D):       Present?       Yes       No         Phydrolytyic Vegetation Bits - Marking Evana       B15 - Marke Fauna       B16 - Durainage Patterns       B16 - Durainage Patterns       B16 - Durainage Patterns         Primary:       B1 - Water Marks       C1 - Hydrogen Sulfide Odor       C2 - Dry-Season Water Table       B16 - Durainage Patterns       B16 - Durainage Patterns         B2 - Sediration Visible on Aerial Imagery<	escribe Recorde emarks:				al photos,	( )	inspectio	ns), if available:		N/A		
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief:       Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       4.804859       Longitude::       Ace Sci3882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (trino, explain in remarks)       Yes       No       Section:           Are Vegetation       , Soil   , or Hydrology    naturally problematic?       I' Yes       No       Reny Section:         Datum:       Section:          Section:           No       Reny Section:         Datum:       Section:         Section:         Datum:       Section:         Datum:       Section:        Datum:       Section:        Datum:       Section:        Datum:       Section:        Datum:       Community ID:       Partice Section:        Datum:       Datum:       Datum:       Datum:	escribe Recorde				al photos,	( )	inspectio	ns), if available:		N/A		
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief:       Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       4.804859       Longitude::       Ace Sci3882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (trino, explain in remarks)       Yes       No       Section:           Are Vegetation       , Soil   , or Hydrology    naturally problematic?       I' Yes       No       Reny Section:         Datum:       Section:          Section:           No       Reny Section:         Datum:       Section:         Section:         Datum:       Section:         Datum:       Section:        Datum:       Section:        Datum:       Section:        Datum:       Section:        Datum:       Community ID:       Partice Section:        Datum:       Datum:       Datum:       Datum:	escribe Recorde				al photos,	( )	inspectio	ns), if available:		N/A		
Soil Unit:       Colton-Adams complex, 3-15% slopes       NW//WWI Classification:       Upland       Wetland ID:       Wog9         Landform:       Side slope       Local Relief:       Convext       Sample Point:       Upland         Stope (%):       3-9       Latitude:       44.804659       Local Relief:       Convext       Sample Point:       Upland         Are climatic/hydrologic conditions on the site typical for this time of year? (fr.o. explain in remarks)       If yes       No       Section:					al photos.	( )	inspectio	ns), if available:		N/A		
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       Woe9         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Stope (%):       3-9       Latitude: 44.804655       Longitude: -68.213882       Datum:         Are climatic/hydrologic conditions on the site typical for this time of year? (fr.o. explain in remarks)       Image:       Section:          Are Vegetation       , Soil       or       Hydrology       Instructed?       Are normal circumstances present?       Section:          SUMMARY OF FINDINGS       Image:       Display       Yes       No       Hydrology Present?       Y         Wetland Hydrology Indicators (Check here if indicators are not present       Is This Sampling Point Within A Wetland?       Y         Wetland Hydrology Indicators (Check here if indicators are not present       D:       Secondary:       Secondary:         Primary:       A1 - Surface Water       B9 - Water-Stained Leaves       B10 - Drainage Patterns       B10 - Drainage Patterns         B1 - Water Marks       C1 - Hydrogen Sulfide Odor       C2 - Dry-Season Water Table       C3 - Oxidzed Rhizopheres on Living Roots       C3 - Saturation Visible on Aerial         B2 - Sediment Deposits       C3 - Oxidzed Rhizopheres on Living Roots       <		5111 2	□ Yes ☑ No	Depth:		(in.)						
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       Woe9         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Stope (%):       3-9       Latitude: 44.804659       Longitude: -68.213882       Datum:         Are climatic/hydrologic conditions on the site typical for this time of year? (fr.o. explain in remarks)       Image:       Section:          Are vegetation oil or Hydrology significantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation oil or Hydrology inturally problematic?       Image:       Distributed?       Are normal circumstances present?       Range:       Distributed?         SUMMARY OF FINDINGS	aturation Prese	ont?		Denth		<i>/</i> · · · ·						
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.80455       Longitude:       -82.8382       Datum:       Section:          Are climatic/hydrologic conditions on the site typical for this time of year? (tro, explain in remarks)       If yes       No       Section:          Are climatic/hydrology       or Hydrology       significantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       , or Hydrology       inaurally problematic?       If yes       No       Hydric Soils Present?       Yes       Ni         SUMMARY OF FINDINGS       If yes       No       Hydric Soils Present?       Y       Y         Hydrophytic Vegetation Present?       Yes       No       Is This Sampling Point Within A Wetland?       Y         Remarks:       If Yes       No       Is State Soil Cracks       B10       Drint Acquatic Fauna       B10       Drint Acquatic						. ,						
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification:       Upland         Landform:       Side slope       Local Relief:       Convex         Slope (%):       3-9       Latitude:       44.804659       Longitude:       -68.213882       Datum:						( )			Wetland Hvo	droloav Pr	esent?	Yes 🗹 No
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude: 44.804659       Longitude: -68.213882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (fr.no, explain in remarks)       Yes       No       Section:          Are Vegetation       , Soil       , or Hydrology       isignificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       , or Hydrology       naturally problematic?       Yes       No       Range:        Distinct Section:          SUMMARY OF FINDINGS       Hydrophytic Vegetation Present?       Yes       No       Hydrology Indicators (Check here if indicators are not present       Y res       Y         Wetland Hydrology Indicators (Check here if indicators are not present       D :       Secondary:       B6 - Surface Soil Cracks       B10 - Drainage Patterns         A3 - Saturation       B15 - Mary Deposits       C1 - Hydrogen Sulfide Odor       C2 - Dry-Season Water Table       B10 - Drainage Patterns         B3 - Drift Deposits       C3 - Aquatic Fa												
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude: -68.213882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (fr. oe.eplain in remarks)       Yes       No       Section:          Are Vegetation       , Soil       , or Hydrology       isignificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       , or Hydrology       naturally problematic?       Yes       No       Range:        Distinct Advection         SUMMARY OF FINDINGS       Hydrology Present?       Yes       No       Hydrology Indicators (Check here if indicators are not present       Y         Wetland Hydrology Indicators (Check here if indicators are not present       D):       Primary:       B6 - Surface Soil Cracks       B10 - Drainage Patterns         A3 - Saturation       B15 - Mary Deposits       C1 - Hydrogen Sulfide Odor       C2 - Dry-Season Water Table       B10 - Drainage Patterns         B3 - Drift Deposits       C3 - Adyalate Fauna       B16 - Mars Sinbur M											D5 - FAC-Neutral	Test
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification:       Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief:       Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude:       -68.213882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (if no, explain in remarks)       Y es       No       Section:          Are Vegetation       , Soil       , or Hydrology       significantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       , or Hydrology       nage:        Distinct         SUMMARY OF FINDINGS					8			- /			D4 - Microtopogra	phic Relief
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Local Relief: Convex       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)				aerv								
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification:       Upland         Landform:       Side slope       Local Relief:       Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude:       -68.213882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no.explain in remarks)       ✓       Yes       No       Section:          Are Vegetation  , Soil  , or Hydrology       inginicantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation  , Soil  , or Hydrology       naturally problematic?       ✓       Yes       No       Range:          SUMMARY OF FINDINGS												
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude:       -68.213882       Datum:       Section:          Are climatic/hydrologic conditions on the site typical for this time of year? (fr no, explain in remarks)       If yes       No       Section:          Are Vegetation □, Soil □, or Hydrology □ significantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation □, Soil □, or Hydrology □ naturally problematic?       If yes       No       Hydric Soils Present?       Township:          SUMMARY OF FINDINGS       If yes       No       Hydric Soils Present?       If yes       Yes         Hydrophytic Vegetation Present?       If yes       No       Is This Sampling Point Within A Wetland?       Yes         Wetland Hydrology Indicators (Check here if indicators are not present       If ):       Primary:       Is This Sampling Point Within A Wetland?       Yes         Method Hydrology Indicators (Check here if indicators are not present       Is 1.       Secondary:       B6 - Surface Soil Cracks       B10 - Drainage Patterns		B3 - Drift Dep	oosits			C4 - Pres	ence of Re	educed Iron			C9 - Saturation Vis	sible on Aerial Imagery
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude: -68.213882       Datum:       Section:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Image: Yes       No       Section:          Are Vegetation ], Soil ], or Hydrology Indurally problematic?       Are normal circumstances present?       Township:          Are Vegetation Pisont?       No       Hydrophytic Vegetation Present?       No       Range:          SUMMARY OF FINDINGS       Yes       No       Hydric Soils Present?       Yes       Yes         Hydrophytic Vegetation Present?       Yes       No       Hydric Soils Present?       Yes       Yes         Wetland Hydrology Indicators (Check here if indicators are not present       > No       Is This Sampling Point Within A Wetland?       Yes         Primary:       A1 - Surface Water       B9 - Water-Stained Leaves       B6 - Surface Soil Cracks       B10 - Drainage Patterns         A1 - Surface Water       B13 - Aquatic Fauna       B10 - Drainage Patterns       B16 - Mos												
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification:       Upland         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude:       -68.213882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (tr no, explain in remarks)       ☑ Yes       No       Section:          Are Vegetation       , Soil       , or Hydrology       ligsinificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       , or Hydrology       Inaturally problematic?       Yes       No       Range:        Di         SUMMARY OF FINDINGS       Hydrology Present?       Yes       No       Hydrology Present?       Yes       Yes         Wetland Hydrology Indicators (Check here if indicators are not present       ☑ ):       Secondary:       Yes       Yes       Secondary:       Secondary:       Secondary:       Secondary:       Secondary:       B6 - Surface Soil Cracks       B10 - Drainage Patterns												
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude:       -68.213882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Image:       Yes       No       Section:          Are Vegetation  , Soil  , or Hydrology       Isignificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation  , Soil  , or Hydrology       Inaturally problematic?       Image:        Distribution:          SUMMARY OF FINDINGS       Image:        Vestion:        Range:          Hydrophytic Vegetation Present?       Yes       No       Hydric Soils Present?       Yes         Remarks:       Yes       No       Is This Sampling Point Within A Wetland?       Yes         Wetland Hydrology Indicators (Check here if indicators are not present       Image:       ):       Secondary:         Primary:       Secondary:       Secondary:       Secondary:												
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude: -68.213882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Image: Yes       No       Section:          Are Vegetation _, Soil _, or Hydrologyinaturally problematic?       Are normal circumstances present?       Township:          Are Vegetation _, Soil _, or Hydrologyinaturally problematic?       Yes       No       Range:          SUMMARY OF FINDINGS		A1 - Surface	Water			B9 - Wate	r-Stained	eaves			B6 - Surface Soil (	Cracks
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude: -68.213882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Image: Yes       No       Section:          Are Vegetation, Soil _, or Hydrology Insturally problematic?       Are normal circumstances present?       Township:          Are Vegetation, Soil _, or Hydrology Inaturally problematic?       Yes       No       Range:          SUMMARY OF FINDINGS       Yes       No       Yes       No       Yes       Yo         Wetland Hydrology Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yo         Remarks:       Yes       No       Is This Sampling Point Within A Wetland?       Yo	-	ology Indica	ators (Check here if	indicators	are not p	resent	I):			<b>.</b> .		
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude: -68.213882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Image: Yes       No       Section:          Are Vegetation, Soil _, or Hydrology Insturally problematic?       Are normal circumstances present?       Township:          Are Vegetation, Soil _, or Hydrology Inaturally problematic?       Yes       No       Range:          SUMMARY OF FINDINGS       Yes       No       Yes       No       Yes       Yo         Wetland Hydrology Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yo         Remarks:       Yes       No       Is This Sampling Point Within A Wetland?       Yo												
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification:       Upland         Landform:       Side slope       Local Relief:       Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude:       -68.213882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Image:        Section:          Are Vegetation, Soil _, or Hydrologysignificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation, Soil _, or Hydrologynaturally problematic?       Image:        Datum:       Datum:         SUMMARY OF FINDINGS												
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude: -68.213882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Image: Yes       No       Section:          Are Vegetation, Soil _, or Hydrologysignificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation, Soil _, or Hydrologynaturally problematic?       Image: YesNo       No       Range:          SUMMARY OF FINDINGS	emarks:											
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude: -68.213882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       ☑ Yes<		ogy Present	?		□ Yes	⊡ No			Is This Samp	ling Point \	Vithin A Wetland	l? <b>■ Yes   </b> N
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude: -68.213882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Image: Yes       No       Section:          Are Vegetation □, Soil □, or Hydrology □ significantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation □, Soil □, or Hydrology □ naturally problematic?       Image:       Di         SUMMARY OF FINDINGS       Summer Summary Summar												🗆 Yes 🗹 N
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude:       -68.213882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Image: Yes       No       Section:          Are Vegetation □, Soil □, or Hydrology □ asignificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation □, Soil □, or Hydrology □ naturally problematic?       Image:       Diatematic       Diatematic												
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude: -68.213882       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Image: Yes       No       Section:          Are Vegetation □, Soil □, or Hydrology □significantly disturbed?       Are normal circumstances present?       Township:			or Hydrology Dnat	urally proble	ematic?			☑ Yes	□No		Range:	Dir:
Soil Unit:       Colton-Adams complex, 3-15% slopes       NWI/WWI Classification: Upland       Wetland ID:       W099         Landform:       Side slope       Local Relief: Convex       Sample Point:       Upland         Slope (%):       3-9       Latitude:       44.804659       Longitude:       -68.213882       Datum:       Community ID:										?	Township:	
Soil Unit:         Colton-Adams complex, 3-15% slopes         NWI/WWI Classification:         Upland         Wetland ID:         W099           Landform:         Side slope         Local Relief:         Convex         Sample Point:         Upland	re climatic/hydr	rologic conc	litions on the site typ	oical for this	time of	year? (If no	o, explain in	remarks)	🗹 Yes 🛛	No		
Soil Unit: Colton-Adams complex, 3-15% slopes NWI/WWI Classification: Upland Wetland ID: W099			Latitude:	44.804659	L	ongitude:	-68.2138	32	Datum:			•
			1	1.22	Loc	al Relief:						
	U U			slopes		30.01 112.			Upland			
			erc		Investi	dator #2.	Katelin N	ckerson			State:	Maine
Applicant: First Wind Project County: Hancock	•		a rioject						19000004			
Project/Site: Weaver Wind Project Date: 08/21/14	roject/Site:	Meaver Min	1 Project					Stantec Project #	195600884		Date [.]	08/21/14



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project				Wetland ID: W099 Sample Point Upland
VEGETATION	(Species identified in all uppercase are non-na	tive species.)	)		
Tree Stratum (Pl	ot size: 10 meter radius)	~ ~			Dominance Test Worksheet
1.	<u>Species Name</u> Tsuga canadensis	<u>% Cover</u> 50	Dominant Y	Ind.Status FACU	Dominance rest worksneet
2.	Betula alleghaniensis	10	N	FAC	Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)
3.					
4.					Total Number of Dominant Species Across All Strata: 6 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					$\frac{1}{OBL \text{ spp.}}  0 \qquad \text{x 1} = 0$
10.	Total Cover				FACW spp. $0$ x 2 = $0$
		- 00			FAC spp. 10 $x = 30$
Sanling/Shrub Str	atum (Plot size: 5 meter radius)				FACU spp. 125 x 4 = 500
1.	Fagus grandifolia	15	Y	FACU	UPL spp. 30 $x = 500$ 150
2.	Acer pensylvanicum	15	Ŷ	FACU	
3.	Acer saccharum	15	Y	FACU	Total <u>165</u> (A) <u>680</u> (B)
4.					
5.					Prevalence Index = B/A = 4.121
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					☐ Yes
10.					$\square$ Yes $\square$ No Dominance Test is > 50%
10.	Total Cover	r= 45			$\square$ Yes $\square$ No Prevalence Index is $\leq 3.0^{*}$
					☐ Yes ☑ No Morphological Adaptations (Explain) *
Herb Stratum (Pl	ot size: 2 meter radius)				☐ Yes ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Dennstaedtia punctilobula	30	Y	UPL	
2.	Aralia nudicaulis	20	Ŷ	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Rubus idaeus	10	N	FACU	present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.					tall.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and
13.					woody plants less than 3.28 ft. tall.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
10.	Total Cover	r = 60			······································
		- 00			
Woody Vine Strat	um (Plot size: 10 meter radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present D Yes V No
4.					
<u>4.</u> 5.					
0.	Total Cover				
Remarks:		- U			
Kemarka.					



Remarks:											
Restrictive Layer (If Observed)	Type:	Rock		Depth:	12"			Hydric Soil I	Present?	V	Yes 🗆 No
Restrictive Laver								disturbed or	r problematic.		
		rface (LRR R, MLRA 149B)							Other (Expla	ain in Remarks) ation and wetland hydrology m	
										Shallow Dark Surfa	ace
	S4 - Sandy G S5 - Sandy R									: Spodic (MLRA 144A, 14 Parent Material	45, 149B)
	,				F8 - Redo	x Depress	sions			ont Floodplain Soil	
	A12 - Thick E	Dark Surface			F7 - Deple	eted Dark	Surface		F12 - Iron-N	langanese Masses	(LRR K, L, R)
		ed Below Dark Surface			F6 - Redo					ue below Sunace ( ark Surface (LRR к, L)	
					F2 - Loam F3 - Deple					urface (LRR К, L, M) ue Below Surface (	
					F1 - Loam	y Mucky I	Mineral (LRR K, L)		S3 - 5cm M	ucky Peat of Peat (	
		oipedon					W Surface (LRR R, MLRA 149B) ACE (LRR R, MLRA 149B)			Muck (LRR K, L, MLRA 14 Prairie Redox (LRR	
		dicators (check her	re if indicat				/			matic Soils ¹	
0	12	1									mucky peat
Depth	Depth	Horizon	Color (I		%		Color (Moist)	%	Туре	Location	(e.g. clay, sand, loam)
Тор	Bottom			Matrix				Mottles	UE		Texture
	otion (Describe to t	the depth needed to document the indi-	cator or confirm the a	bsence of indica	tors.) (Type: C-C	Concentration. D	=Depletion, RM=Reduced Matrix, CS=Cove	ered/Coated Sand Grains	Location: PI =Pore I	ining, M=Matrix)	
SOILS											
Kemarka.											
Remarks:	iou Dala (SIII	sam gauge, monitorin	ש איטוו, מכוומ	ai priotos,	PICVIOUS	ii ispecii0					
Describe Record	led Data (str	eam gauge, monitorin			. ,	inspectio	ns) if available:		N/A		
Saturation Pres		✓ Yes □ No	Depth:		(in.)						
Water Table Pr		☑ Yes □ No	Depth:	0	(in.) (in.)			Wetland Hyd	drology Pr	esent?	Yes 🗆 No
Surface Water		🗆 Yes 🗵 No	Depth:		(in.)						
Field Observat	ions:									,	
	во - Sparsely	Vegetated Concave S	urrace							D4 - Microtopogra D5 - FAC-Neutral	
		on Visible on Aerial Ima			Other (Ex	plain in Re	emarks)			D3 - Shallow Aquit	
	B5 - Iron Dep	oosits			C7 - Thin	Muck Surf	face			D2 - Geomorphic	Position
	B3 - Drift Dep B4 - Algal Ma						educed Iron eduction in Tilled Soils			C9 - Saturation Vis D1 - Stunted or St	sible on Aerial Imagery ressed Plants
							spheres on Living Roots			C8 - Crayfish Burr	
	B1 - Water M	larks			C1 - Hydr	ogen Sulfi	de Odor			C2 - Dry-Season \	Nater Table
2 2										B10 - Drainage Pa B16 - Moss Trim L	
	A1 - Surface A2 - High Wa				B9 - Wate B13 - Aqu					B6 - Surface Soil ( B10 - Drainage Pa	
Primary	<u>.</u>								Secondary:		
	ology Indic:	ators (Check here if	indicators	are not n	resent	□):					
HYDROLOGY											
Remarks:											
Wetland Hydrol	ogy Present	?		Yes	🗆 No			Is This Samp	ling Point \	Nithin A Wetland	d? 🛛 Yes 🖣 No
Hydrophytic Ve					🗆 No			Hydric Soils I			🗹 Yes 🗌 No
SUMMARY OF		,	, , , , , , , , , , , , , , , , , , , ,								••
Are Vegetation		or Hydrology □sigi or Hydrology □natu	rally proble	ematic?			✓ Yes		•	Range:	 Dir:
		litions on the site typ or Hydrology □sigr			year? (If no	o, explain in	remarks) Are normal circumsta			Section: Township:	
Slope (%):	0-5		44.804507		ongitude:			Datum: ☑ Yes □		Community ID:	
Landform:	Depression				al Relief:			D - 1		Sample Point:	Wetland
Soil Unit:		ms complex, 3-15%	slopes				VI/WWI Classification:	PFO		Wetland ID:	W099
Investigator #1:				Investi	gator #2:					State:	Maine
Applicant:	First Wind	-								County:	Hancock
Project/Site:	Weaver Wind	d Project					Stantec Project #:	195600884		Date:	08/21/14



Northeast and Northcentral Region

Project/Site: Weaver Wind Project Wetland ID: W099 Sample Point Wetland **VEGETATION** (Species identified in all uppercase are non-native species.) Tree Stratum (Plot size: 10 meter radius) **Dominance Test Worksheet** Species Name <u>% Cover</u> Dominant Ind.Status 1 Abies balsamea 30 Y FAC 2. Y FAC Number of Dominant Species that are OBL, FACW, or FAC: 9 (A) Acer rubrum 15 Ν FACW 3. Thuja occidentalis 5 FACU 4. Picea rubens 5 Ν Total Number of Dominant Species Across All Strata: 12 (B) 5. Ν FACW Fraxinus pennsylvanica 5 6. Ulmus americana 5 N FACW Percent of Dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B) FAC 7 Betula alleghaniensis 5 N 8. Prevalence Index Worksheet ---------9. ------------Total % Cover of: Multiply by: 10. OBL spp. ---------20 x 1 = 20 ---Total Cover = 70 FACW spp. x 2 = 50 100 FAC spp. 60 x 3= 180 x 4 = Sapling/Shrub Stratum (Plot size: 5 meter radius) FACU spp. 25 100 Y UPL spp. 1. Nemopanthus mucronatus 10 OBL x 5= 0 0 2. Ulmus americana 5 Y FACW 3. Y FACU Acer spicatum 5 155 (A) 400 (B) Total 4. Abies balsamea 5 Y FAC Betula alleghaniensis Y FAC 5. 5 Prevalence Index = B/A = 2.581 6. ------7. -----------Hydrophytic Vegetation Indicators: 8. ------9. Yes 🗹 No Rapid Test for Hydrophytic Vegetation 10 --------Yes 🗌 No Dominance Test is > 50% Total Cover = 30 🖌 Yes 🗆 No Prevalence Index is  $\leq 3.0$  * Yes 🗹 No Morphological Adaptations (Explain) * Herb Stratum (Plot size: 2 meter radius) Yes 🗹 No Problem Hydrophytic Vegetation (Explain) * 15 Y FACU 1. Tiarella cordifolia * Indicators of hydric soil and wetland hydrology must be Y FACW 2. Osmundastrum cinnamomeum 15 present, unless disturbed or problematic. Y 3. Rubus pubescens 10 FACW 4. Viola sp. 10 Y NL **Definitions of Vegetation Strata:** Y OBL 10 5. Carex disperma 6 Onoclea sensibilis 5 Ν FACW Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height. 7. ---------8. -----------Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. 9. --tall. 10 ------------11 ------------Herb - All herbaceous (non-woody) plants, regardless of size, and 12 woody plants less than 3.28 ft. tall. 13 ------------14. ------------Woody Vines - All woody vines greater than 3.28 ft. in height. 15. ------------Total Cover = 65 Woody Vine Stratum (Plot size: 10 meter radius) 1. ------------2. -----3. Hydrophytic Vegetation Present 🛛 Yes 🗆 No ----------4. ----------5. ---------Total Cover = 0 Remarks:



Northeast and Northcentral Region

Project/Site:	Weaver Wi	nd Project					Stantec Project #:	195600884		Date:	10/16/14
Applicant:	First Wind									County:	Hancock
Investigator #1:					gator #2:					State:	Maine
Soil Unit:		adnock-Dixfield Compl	lex 3-15%				VI/WWI Classification:	Upland		Wetland ID:	W107
Landform: Slope (%):	Depression 0-3	Latitude:	11 7900		al Relief:		e -68.2211733	Datum:		Sample Point: Community ID:	Upland 
		litions on the site ty						☑ Yes □		Section:	
		or Hydrology 🗆 sig					Are normal circumsta			Township:	
		or Hydrology 🗆 na	turally pr	oblemat	ic?		Yes	□ No		Range:	Dir:
SUMMARY OF											
Hydrophytic Ve				⊡ Yes				Hydric Soils			□ Yes ☑ No
Wetland Hydrol Remarks:	logy Present	?		□ Yes	☑ No			Is This Samp	Ding Point V	Vithin A Wetlan	d? 🔲 Yes 🗹 No
Remarks.											
HYDROLOGY											
		tors (Check here if	f indicato	rs are n	ot presen	ıt ☑ )	:				
Primary:	A1 - Surface	Water			B9 - Wate	ar-Stained	1.03/05		Secondary:	B6 - Surface Soil	Cracks
	A2 - High Wa				B13 - Aqu					B10 - Drainage Pa	
	A3 - Saturatio				B15 - Mai					B16 - Moss Trim I	
	B1 - Water M B2 - Sedimer				C1 - Hydr C3 - Oxid		ae Odor ospheres on Living Roots			C2 - Dry-Season C8 - Crayfish Bur	
	B3 - Drift Dep	osits			C4 - Pres	ence of R	educed Iron			C9 - Saturation Vi	sible on Aerial Imagery
	B4 - Algal Ma B5 - Iron Dep				C6 - Rece C7 - Thin		eduction in Tilled Soils			D1 - Stunted or Si D2 - Geomorphic	
		on Visible on Aerial Ima	agery	ä						D3 - Shallow Aqu	itard
	B8 - Sparsely	Vegetated Concave S	Surface							D4 - Microtopogra D5 - FAC-Neutral	
Field Observat	lene.									D5 - FAC-Neuliai	1651
Surface Water		🗆 Yes 🗹 No	Depth:		(in.)						
Water Table Pr		□ Yes ☑ No	Depth:		(in.)			Wetland Hy	drology Pro	esent?	Yes 🗹 No
Saturation Pres		□ Yes ☑ No	Depth:		(in.)						
Describe Record	ed Data (stre	am gauge, monitoring	g well, aei	rial photo	s, previou	s inspecti	ons), if available:		N/A		
Describe Record Remarks:	ed Data (stre	am gauge, monitoring	g well, aei	rial photo	s, previou	s inspecti	ons), if available:		N/A		
	ed Data (stre	am gauge, monitorin	g well, aei	rial photo	os, previou	s inspecti	ons), if available:		N/A		
Remarks: SOILS			-	-	· ·	· · ·					
Remarks: SOILS Profile Descrip	Dtion (Describe to th		-	the absence of	indicators.) (Typ	· · ·	ons), if available:			=Pore Lining, M=Matrix)	Texture
Remarks: SOILS Profile Descrip Top	otion (Describe to the Bottom	ne depth needed to document the inc	dicator or confirm	the absence of Matrix	indicators.) (Typ	· · ·	tion, D=Depletion, RM=Reduced Matrix, C	Mottles	Grains; Location: PL		Texture (e.g. clay, sand, loam)
Remarks: SOILS Profile Descrip	Dtion (Describe to th		dicator or confirm	the absence of	indicators.) (Typ	· · ·				=Pore Lining, M=Matrix)	
Remarks: SOILS Profile Descrip Top Depth	otion (Describe to the Bottom Depth	he depth needed to document the inc	dicator or confirm	the absence of Matrix (Moist)	indicators.) (Typ	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PL	Location	(e.g. clay, sand, loam)
Remarks: SOILS Profile Descrip Top Depth 1	Dtion (Describe to the Bottom Depth 0	ne depth needed to document the inc Horizon 1	dicator or confirm	the absence of Matrix (Moist) NR	indicators.) (Typ	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PL	Location	(e.g. clay, sand, loam) organic/duff
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2	Depth Depth 0 1 2 14	ne depth needed to document the inc Horizon 1 2 3 4	dicator or confirm Color  2.5Y 2.5Y 10YR	the absence of Matrix (Moist) NR 3/1 7/1 5/6	indicators.) (Typ %  100 100 100	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %   	Grains; Location: PL Type  	Location   	(e.g. clay, sand, loam) organic/duff silt loam silt loam silt loam
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2 	Depth Depth 0 1 2 14 	ne depth needed to document the inc Horizon 1 2 3 4 	dicator or confirm Color  2.5Y 2.5Y 10YR 	the absence of Matrix (Moist) NR 3/1 7/1 5/6 	indicators.) (Typ %  100 100 	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles           %	Grains; Location: PL Type	Location    	(e.g. clay, sand, loam) organic/duff silt loam silt loam silt loam 
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2  	Depth Depth 0 1 2 14 	ne depth needed to document the inc Horizon 1 2 3 4 	dicator or confirm Color  2.5Y 2.5Y 10YR  	the absence of Matrix (Moist) NR 3/1 7/1 5/6  	indicators.) (Typ % 100 100 100  	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %     	Grains: Location: PL Type	Location      	(e.g. clay, sand, loam) organic/duff silt loam silt loam  
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2 	Depth Depth 0 1 2 14 	ne depth needed to document the inc Horizon 1 2 3 4 	dicator or confirm Color  2.5Y 2.5Y 10YR 	the absence of Matrix (Moist) NR 3/1 7/1 5/6 	indicators.) (Typ %  100 100 	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles           %	Grains; Location: PL Type	Location    	(e.g. clay, sand, loam) organic/duff silt loam silt loam silt loam 
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2     	Depth Depth 0 1 2 14   	ne depth needed to document the inc Horizon 1 2 3 4    	dicator or confirm Color 2.5Y 2.5Y 10YR    	the absence of Matrix (Moist) NR 3/1 7/1 5/6   	indicators.) (Typ %  100 100 100    	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles           %	Grains; Location: PL Type	Location       	(e.g. clay, sand, loam) organic/duff silt loam silt loam silt loam  
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2    NRCS Hydric	btion (Describe to the Bottom Depth 0 1 2 14 Soil Field In A1- Histosol	Horizon 1 2 3 4   dicators (check here	dicator or confirm Color 2.5Y 2.5Y 10YR    	the absence of Matrix (Moist) NR 3/1 7/1 5/6    cators an	indicators.) (Typ %  100 100 100    e not pre S8 - Polyn	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %            	Grains; Location: PL Type        -	Location       matic Soils ¹ Muck (LRR K, L, MLRA 1	(e.g. clay, sand, loam) organic/duff silt loam silt loam    
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2   NRCS Hydric	btion (Describe to the Bottom Depth 0 1 1 2 14 14 14 15 Constant of the Bottom 14	Horizon 1 2 3 4   dicators (check he bipedon	dicator or confirm Color 2.5Y 2.5Y 10YR    	the absence of Matrix (Moist) NR 3/1 7/1 5/6   cators al cators al	indicators.) (Typ %  100 100 100            	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PL Type        -	Location        Muck (JRR K, L, MLRA 1 Prairie Redox (JRR	(e.g. clay, sand, loam) organic/duff silt loam silt loam 
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2   NRCS Hydric	btion (Describe to the Bottom Depth 0 1 1 2 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	he depth needed to document the inc Horizon 1 2 3 4   dicators (check he bipedon stic n Sulfide	dicator or confirm Color 2.5Y 2.5Y 10YR    	the absence of Matrix (Moist) NR 3/1 7/1 5/6   cators al Cators al	indicators.) (Typ %  100 100 100            	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %            	Grains: Location: PL Type     s for Proble A10 - 2 cm Mt A16 - Coast S3 - 5cm Mt	Location       matic Soils ¹ Muck (LRR K, L, MLRA 1	(e.g. clay, sand, loam) organic/duff silt loam silt loam 
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2   NRCS Hydric	btion (Describe to the Bottom Depth 0 1 2 1 4	Horizon 1 2 3 4   dicators (check he bipedon stic n Sulfide Layers	dicator or confirm Color 2.5Y 2.5Y 10YR    ere if indio	the absence of Matrix (Moist) NR 3/1 7/1 5/6   cators an Cators an Cator	indicators.) (Typ           %              100           100           100	e: C=Concentra             	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PL Type       s for Proble A10 - 2 cm N A16 - Coast S3 - Scm Mt S7 - Dark St S8 - Polyval	Location matic Soils ¹ Muck (LRR K, L, MLRA 1 Prairie Redox (LRR K, L, M) ue Below Surface	(e.g. clay, sand, loam) organic/duff silt loam silt loam        (LRR K, L)
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2   NRCS Hydric	btion (Describe to the Bottom Depth 0 1 1 2 1 1 4	Horizon 1 2 3 4   dicators (check he bipedon stic n Sulfide I Layers ed Below Dark Surface	dicator or confirm Color 2.5Y 2.5Y 10YR    ere if indio	the absence of Matrix (Moist) NR 3/1 7/1 5/6   cators an Cators an Cator	indicators.) (Typ %  100 100   re not pre S8 - Poly S9 - Thin F1 - Loan F2 - Loan F3 - Deply F6 - Redo	e: C=Concentra        -	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PL        -	Location        Muck (LRR K, L, MLRA 1 Prairie Redox (LRR cky Peat of Peat ( uface (LRR K, L, M)	(e.g. clay, sand, loam) organic/duff silt loam silt loam 
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2   NRCS Hydric 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	btion (Describe to the Bottom Depth 0 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	he depth needed to document the inc Horizon 1 2 3 4   dicators (check he bipedon stic n Sulfide Layers ed Below Dark Surface ark Surface luck Mineral	dicator or confirm Color 2.5Y 2.5Y 10YR    ere if indio	the absence of Matrix (Moist) NR 3/1 7/1 5/6   cators an Cators an Cato	indicators.) (Typ           %              100           100           100	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PL Type        -	Location	(e.g. clay, sand, loam) organic/duff silt loam silt loam   49B) K, L, R) LRR K, L, R) (LRR K, L, R) S (MLRA 149B)
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2   NRCS Hydric	btion (Describe to the Bottom Depth 0 1 2 14	he depth needed to document the inc Horizon 1 2 3 4   dicators (check he bipedon stic n Sulfide I Layers de Blow Dark Surface vark Surface uck Mineral leyed Matrix	dicator or confirm Color 2.5Y 2.5Y 10YR    ere if indio	the absence of Matrix (Moist) NR 3/1 7/1 5/6   cators an Cators an Cato	indicators.) (Typ %  100 100 100            	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PL Type        -	Location	(e.g. clay, sand, loam) organic/duff silt loam silt loam   49B) K, L, R) LRR K, L, R) (LRR K, L, R) S (MLRA 149B)
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2   NRCS Hydric 0 0 1 2    NRCS Hydric	btion (Describe to the Bottom) Depth 0 1 2 14   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S5 - Sandy R	he depth needed to document the inc Horizon 1 2 3 4   dicators (check he bipedon stic n Sulfide I Layers ad Below Dark Surface bark Surface luck Mineral leyed Matrix edox Matrix	dicator or confirm Color 2.5Y 2.5Y 10YR    ere if indio	the absence of Matrix (Moist) NR 3/1 7/1 5/6   cators an Cators an Cato	indicators.) (Typ %  100 100 100            	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PL Type        -	Location	(e.g. clay, sand, loam) organic/duff silt loam 
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2   NRCS Hydric 0 0 1 2    NRCS Hydric	btion (Describe to the Bottom) Depth 0 1 2 14   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S5 - Sandy R	Horizon 1 2 3 4   dicators (check he bipedon stic n Sulfide I Layers ed Below Dark Surface lark Surface layer Surface la	dicator or confirm Color 2.5Y 2.5Y 10YR    ere if indio	the absence of Matrix (Moist) NR 3/1 7/1 5/6   cators an Cators an Cato	indicators.) (Typ %  100 100 100            	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PL Type        -	Location	(e.g. clay, sand, loam) organic/duff silt loam silt loam   49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) si (LR K, L) si (LR K, L, R) si (LR K, L) si (L
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2   NRCS Hydric 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	btion (Describe to the Depth 0 1 2 14   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifiec A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Sur	Horizon 1 2 3 4   dicators (check he bipedon stic n Sulfide I Layers ed Below Dark Surface lark Surface luck Mineral leyed Matrix edox Matrix face (LRR R, MLRA 149B)	dicator or confirm Color  2.5Y 2.5Y 10YR     ere if indic	the absence of Matrix (Moist) NR 3/1 7/1 5/6   cators al Cators al Cators al	indicators.) (Type           %              100           100	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains: Location: PL Type        -	Location	(e.g. clay, sand, loam) organic/duff silt loam silt loam         (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (MLRA 149B) 45, 149B) face must be present, unless
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2   NRCS Hydric 0 0 1 2    NRCS Hydric	btion (Describe to the Depth 0 1 2 14   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black His A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S5 - Sandy R	Horizon 1 2 3 4   dicators (check he bipedon stic n Sulfide I Layers ed Below Dark Surface lark Surface luck Mineral leyed Matrix edox Matrix face (LRR R, MLRA 149B)	dicator or confirm Color  2.5Y 2.5Y 10YR     ere if indic	the absence of Matrix (Moist) NR 3/1 7/1 5/6   cators an Cators an Cato	indicators.) (Type           %              100           100	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains: Location: PL Type        -	Location	(e.g. clay, sand, loam) organic/duff silt loam silt loam   49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) si (LR K, L) si (LR K, L, R) si (LR K, L) si (L
Remarks: SOILS Profile Descrip Top Depth 1 0 1 2   NRCS Hydric 0 0 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Dtion (Describe to the second	Horizon 1 2 3 4   dicators (check he bipedon stic n Sulfide I Layers ed Below Dark Surface lark Surface luck Mineral leyed Matrix edox Matrix face (LRR R, MLRA 149B)	dicator or confirm Color 2.5Y 2.5Y 10YR     ere if indid	the absence of Matrix (Moist) NR 3/1 7/1 5/6   cators al Cators al Cators al	indicators.) (Type           %              100           100	e: C=Concentra	tion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains: Location: PL Type        -	Location	(e.g. clay, sand, loam) organic/duff silt loam silt loam         (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (MLRA 149B) 45, 149B) face must be present, unless



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project							Wetland ID:	W107	Sample Point	Uplan
-										•	
VEGETATION		percase are non-na	ative spe	cies.)							
Tree Stratum (P	lot size: 10 meter radius) Species Name		% Cover	Dominant	Ind.Status	Dominance Test W	orksheet				
1.	Thuja occidentalis		<u>20</u>	Y	FACW	Dominance rest w	UNAMEEL				
2.	Tsuga canadensis		15	Y	FACU	Number of D	ominant Sner	cies that are OBL	FACW or FAC	: <b>4</b> (A)	
3.	Abies balsamea		10	Y	FAC	Number of D			., 17,000, 0117,0	. <u> </u>	
4.	Pinus strobus		5	N	FACU	Total	Jumber of Dr	minant Species	Across All Strata	· 7 (B)	
5.						- Cital 1					
6.						Percent of Do	minant Sneci	es That Are OBI	FACW or FAC	: <b>57.1%</b> (A/B)	)
7.									.,	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, ,
8.						Prevalence Index W	orksheet				
9.						Total % Cover of:		Multiply by:			
10.							5		5		
		Total Cover =	50			FACW spp.	47	x 2 =	94	_	
						FAC spp.	43		129	_	
Sanling/Shrub St	tratum (Plot size: 5 meter radiu	(2)				FACU spp.	105	x 4 =	420	_	
1.	Tsuga canadensis	33)	55	Y	FACU		0		0	_	
2.	Abies balsamea		30	Y	FAC	5, E spp.	v			_	
3.	Acer pensylvanicum		5	N	FACU	Total	200	(A)	648	(B)	
4.						- Otda	200		010	_(0)	
5.							Provalence I	ndex = B/A =	3.240		
6.							Flevalence	fice x = D/A = -	3.240	_	
7.											
8.						Hydrophytic Vegeta	tion India	atore			
9.							IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		r Lludrophytic V/c	actation	
<u> </u>						_			r Hydrophytic Ve	getation	
10.		Total Cover =				☑ Yes	□ No	Dominance T			
		Total Cover =	90			□ Yes	⊡ No	Prevalence In			
						Yes	⊡ No		Adaptations (E		
Herb Stratum (PI 1.	ot size: 2 meter radius) Osmundastrum cinname	omoum	25	Y	FACW	Yes	🗹 No	Problem Hydi	rophytic Vegetat	ion (Explain) "	
		Unieum					* Indicators	of hydric soil and	wetland hydrolo	gy must be	
2.	Thuja occidentalis		25 5	Y N	FACU OBL		present, ur	nless disturbed o	r problematic.		
	Carex crinita				-	Definitions of Vere	tation Ofea	4			
4.	Equisetum sylvaticum		2	<u>N</u>	FACW	Definitions of Vege	tation Stra	ta:			
5.	Solidago rugosa		3	N	FAC		-	_			
6							Ire	<ul> <li>Woody plants 3</li> <li>boight (DBH) ro</li> </ul>	in. (7.6cm) or more gardless of height.	in diameter at breast	
7.								neight (DDH), re	gardiess of height.		
8.						-		Woody slasts Is	on than 2 in DDU -	nd graater than 2 00 ft	
9.						S	apling/Shrul	<ul> <li>Woody plants le tall.</li> </ul>	ss (nan 3 in. DBH a	nd greater than 3.28 ft.	
10.											
11.									(		
12.							Herl	<ul> <li>All herbaceous ( and woody plant</li> </ul>	non-woody) plants, ts less than 3.28 ft.	regardless of size, tall.	
13.											
14.											
15.						١	Woody Vine	s - All woody vines	greater than 3.28 ft	. in height.	
		Total Cover =	60								
Woody Vino Stro	atum (Plot size: 10 motor rodiu	<i>c)</i>									
1.	atum (Plot size: 10 meter radiu	5)									
2.											
3.							Hydrophy	tic Vogstation	Procent G		
							nyuropny	tic Vegetation	Fresent 🗹		
4.											
5.		Total Cover =									
			0								



Northeast and Northcentral Region

Applicant:       First Wind       County:       Hancock         Investigator #1:       Charles Ferris       Investigator #2:       State:       Maine         Soil Unit:       Nemon-Monadnock-Dudield Complex 3-15% slopes       NW//WWI Classification: PFO       Sample Point:       Wetland ID:       W107         Landtorm:       Depression       Local Relief: Concave       Sample Point:       Wetland       Community ID: -         Are climatic/hydrologic conditions on the site typical for this time of year? (fr.o. explain in remarks)       Yes       No       Section:        Township:          Are Vegetation       , Soil  , or Hydrology   auturally prolematic?       Are normal circumstances present?       Yes       No         SUMMARY OF INDINES       Hydrology Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yes       No         Remarks:       Hydrology Indicators (Check here if indicators are not present       ):       Escondary:       B6: Surface Soil Cracks       B1: Aquatic Fauna       B1:	Project/Site:	Weaver Wi	nd Project					Stantec Project #:	195600884		Date:	10/16/14		
Investigator #1: Charles Ferris         Investigator #2:								Otanteo i Tojeot #.	100000004					
Soil Unit:       Hermon-Monastock-Dodree Complex 9-r05 alons:       NV/WW/ Classification:       FPC       Sampe Rev         Stope R(s):       0.3       Latitude: 4.4720059       Longitude: 6.82211503       Datum:       Sampe R(s):       O:       O:       Sampe R(s):       O:       O:       O:       Sampe R(s):       O:       O:       Sampe R(s):       O:       O			rris		Investi	aator #2:					,			
Landform: Depression Local Relief: Concave Are clinically directed 20159 Unit - Concave Are directed 20159 Unit - Concave Are directed 20159 Unit - Concave				ex 3-15%		J		/I/WWI Classification:	PFO			W107		
Silope (%):       0.3       Latitude: 42.70059       Longitude: -08.2211533       Datum: -       Communy (0: -       -         Are Unaile/Lythologic conditions on the sile topical of the lise top	Landform:					al Relief:					Sample Point:	Wetland		
Are Vegetation [. Soil ] or Hydrology ] alguficantly disturate?       Are normal circumstances present?       Townadsp:	Slope (%):	0-3	Latitude:	44.7900	)59	Lo	ngitude:	-68.2211593	Datum:		Community ID:			
Are Vogetation (:: Soil _ or trydrology   naturally problematic?       If Yes _ No	Are climatic/hyd	drologic cond	litions on the site ty	pical for	this time	of year?	(If no, expla	ain in remarks)	🗹 Yes 🛛	No	Section:			
SUMMARY OF FINDINGS           Ves         No         Hydric Soils Present?         Yes         No           Wetland Hydrology Present?         Yes         No         Hydric Soils Present?         Yes         No           Working Point Within A Wetland?         Yes         No           Market Stamp long Point Within A Wetland?         Yes         No           Working Point Within A Wetland?         Yes         No           Working Point Within A Wetland?         Yes         No           Working Water         Be-String Source									ances present	t?	Township:			
Hydrochylic Vagetation Present?       Yes       No         Hydrochyl Present?       Yes       No         Romarks:       Is This Sampling Point Within Al Vetland?       Yes       No         Working Mydrochy Present?       Yes       No       Is This Sampling Point Within Al Vetland?       Yes       No         Working Mydrochy Indicators (Check here if indicators are not present       ):       Secondary       B       Secondary       Secondary       B       Secondary       B       Secondary       B       Secondary       <			or Hydrology 🗆 nat	turally pr	oblemati	ic?		Yes	🗆 No		Range:	Dir:		
Wetland Hydrology Present?         Yes         No         Is This Sampling Point Within A Wetland?         P vs         No           Working Hydrology Indicators (Check here if indicators are not present [] :														
Remarks:         Wolstand Hydrology Indicators (Check here if Indicators are not present   ):         Primary         A - High Water Table         B 3 - Subtration         B 4 - Algal Marks         B 5 - Subtration         B 5 - Subtration         B 6 - Subtration         B 7 - Instration         B 8 - Instration         B 8 - Instration         B 9 - Instrating A 1 - Instration         B 9 - Instra	Hydrophytic Ve	getation Pres	sent?						Hydric Soils	Present?		🗹 Yes 🗆 No		
Watand Hydrology Indicators (Check here if indicators are not present	Wetland Hydrol	logy Present	?		Yes	🗆 No			Is This Samp	oling Point \	Vithin A Wetlan	d? 🛛 🗹 Yes 🗖 No		
Wetland Hydrology Indicators (Check here if indicators are not present:	Remarks:													
Wetland Hydrology Indicators (Check here if indicators are not present:														
Primary       A: Surface Water       B9: Vater-Stained Leaves       Soundary         B: Sourface Soil Cracks       B9: Vater-Stained Leaves       B1: Aquital Faure       B1: Aquital Faure         B: Sourface Soil Cracks       B1: Aquital Faure       B1: Aquital Faure       B1: Aquital Faure         B: Sourface Soil Cracks       B1: Aquital Faure       B1: Aquital Faure       B1: Aquital Faure         B: Sourface Vater       B: Sourface Soil Cracks       B1: Aquital Faure       B1: Aquital Faure         B: Sourface Vater       C: Feeder Into Roduction In Titled Soils       C: Feeder Into Roduction In Titled Soils       C: Sourface Soil Cracks         B: Sourface Vater       C: Recent Into Roduction In Titled Soils       C: Feeder Into Roduction In Titled Soils       C: Sourface Soil Cracks         B: Sourface Vater       Ves       No       Depth:       C: Recent Into Roduction In Titled Soils       C: Sourface Soil Cracks         Sutrace Owald Present?       Ves       No       Depth:       C: No       Depth:       D: No         Sutrace Owald Present?       Ves       No       Depth:       O: (n.)       Wetland Hydrology Present?       Ves       No         Sutrace Owald Data (stream gauge, monitoring well, aerial photos, previous inspections). If available:       NA       No       Period Depth       No         Portile Descr	HYDROLOGY													
Primary       A: Surface Water       B9: Vater-Stained Leaves       Soundary         B: Sourface Soil Cracks       B9: Vater-Stained Leaves       B1: Aquital Faure       B1: Aquital Faure         B: Sourface Soil Cracks       B1: Aquital Faure       B1: Aquital Faure       B1: Aquital Faure         B: Sourface Soil Cracks       B1: Aquital Faure       B1: Aquital Faure       B1: Aquital Faure         B: Sourface Vater       B: Sourface Soil Cracks       B1: Aquital Faure       B1: Aquital Faure         B: Sourface Vater       C: Feeder Into Roduction In Titled Soils       C: Feeder Into Roduction In Titled Soils       C: Sourface Soil Cracks         B: Sourface Vater       C: Recent Into Roduction In Titled Soils       C: Feeder Into Roduction In Titled Soils       C: Sourface Soil Cracks         B: Sourface Vater       Ves       No       Depth:       C: Recent Into Roduction In Titled Soils       C: Sourface Soil Cracks         Sutrace Owald Present?       Ves       No       Depth:       C: No       Depth:       D: No         Sutrace Owald Present?       Ves       No       Depth:       O: (n.)       Wetland Hydrology Present?       Ves       No         Sutrace Owald Data (stream gauge, monitoring well, aerial photos, previous inspections). If available:       NA       No       Period Depth       No         Portile Descr	Wetland Hydr	ology Indica	tors (Check here if	indicato	ors are no	nt presen	t 🗆 )•							
A2 - High Vater Table       B3 - Aqualo FRuna       B1 - Nationage Patterns       B1 - Dianage Patterns         B1 - Vater Marks       C1 - Hydrogen Sulfide Odors       B1 - Mart Deposits       C2 - Dry-Season Water Table         B1 - Vater Marks       C1 - Hydrogen Sulfide Odors       C2 - Dry-Season Water Table       C2 - Dry-Season Water Table         B1 - Mart Deposits       C1 - Hydrogen Sulfide Odors       C2 - Dry-Season Water Table       C2 - Dry-Season Water Table         B1 - Mart Deposits       C1 - Hydrogen Sulfide Odors       C2 - Dry-Season Water Table       C2 - Dry-Season Water Table         B1 - Mart Deposits       C1 - Hydrogen Sulfide Odors       C2 - Dry-Season Water Table       C2 - Dry-Season Water Table         B1 - Mart Deposits       C1 - Thin Marks Variana       D1 - Strutter Deposits       D1 - Strutter Deposits         B1 - Mart Deposits       (in.)       Wetland Hydrology Present?       Yes       No         Saturation Present?       Yes       No       Depth:       0       (in.)       Mark         Saturation Present?       Yes       No       Depth:       0       (in.)       Mark         Saturation Present?       Yes       No       Depth:       (in.)       Mark       Mark         Color (Motsti       %       Top       Location       (e.g. Cater, Hydre Urept (				indicato		or presen	. 🗆 ).			Secondary:				
A3 - Saturation       B16 - Min0 Deposits       B16 - Min0 Deposits       B16 - Min0 Second         B3 - Saturation       C3 - Oxidized Rhizospheres on Lving Roots         B4 - May Mate X Crust       C3 - Oxidized Rhizospheres on Lving Roots         B4 - May Mate X Crust       C3 - Noticities Minospheres on Lving Roots       C3 - Oxidized Rhizospheres on Lving Roots       C3 - Oxidized Rhizospheres on Lving Roots         B5 - Sparsely Vegetated Conceve Surface       C7 - Frozent I fori Reduced inn Infled Solis       D3 - Shallow Appland         Field Observations:       Na       Methade Present?       Yes No Depth:       0 (in.)         Saturation Present?       Yes No Depth:       0 (in.)       NA         Peorifie Description		A1 - Surface	Water			B9 - Wate	er-Stained	Leaves			B6 - Surface Soil	Cracks		
Bit       Water Marks       C1 - Hydrogen Sulfide Odor       C2 - Dy-Season Water Table         Bit       Sediment Deposits       C3 - Oxidized Mitrospheres on Living Roots       C3 - Dy-Season Water Table         Bit       Bit       Sediment Deposits       C3 - Oxidized Mitrospheres on Living Roots       C3 - Dy-Season Water Table         Bit       Hit       Hit       Sediment Deposits       C3 - Dy-Season Water Table       C3 - Dy-Season Water Table         Bit       Hit       Hit       Hit       Sediment Deposits       C3 - Dy-Season Water Table         Bit       Hit       Hit       Sediment Deposits       C3 - Dy-Season Water Table         Bit       Hit       Hit       Sediment Deposits       C3 - Dy-Season Water Table         Bit       Hit       Hit       Mitros Mater Mater Deposits       C3 - Sediment Mitrosphere Sediment Deposits         Fold Observations:       Water Table Present?       Yes       No       Depth       Opeth       (n.)         Staturation Present?       Yes       No       Depth       (n.)       Wetland Hydrology Present?       Yes       No         Depth       Horizon       Color (Moist)       %       Yes       No       Perfer         Depth       Horizon       Color (Moist)       %       Yes<														
B2 - Sediment Deposits       C3 - Oxidade Rizzospharos on Lung Roots         B3 - B3 - Orit Deposits       C3 - Oxidade Rizzospharos on Lung Roots       C3 - Oxidade Rizzospharos on Lung Roots       C3 - Oxidade Rizzospharos         B3 - Baland Mat or Crust       C3 - Oxidade Rizzospharos       C3 - Oxidade Rizzospharos       C3 - Oxidade Rizzospharos         B3 - Sparsely Vegetated Concave Surface       C4 - Presence on Reduced Ion In Tiled Solts       C3 - Shallow Aquitad         B4 - Mgala Mat or Crust       C4 - Presence on Reduced Ion In Tiled Solts       C3 - Shallow Aquitad         B4 - Sparsely Vegetated Concave Surface       C4 - Presence on Reduced Ion II Tiled Solts       C4 - Presence on Reduced Ion II Tiled Solts         Field Observations:       Surface Rizzospharos 0 - Oxida II Reduced Ion II Tiled Solts       Mater Table Present?       Yes I No         Saturation Visible on Agendal Indexent Reduced Intervent Interv														
B3 - Orth Deposits       C4 - Presence of Reduced in Tilled Solis       C - Saturation Visible on Aerial Imagery         B3 - Orth Deposits       C7 - Tin Muck Surface       D - Saturation Visible on Aerial Imagery         B - For Inunction Visible on Aerial Imagery       D - Saturation Visible on Aerial Imagery       D - Saturation Visible on Aerial Imagery         B - Sparsely Vegetated Concave Surface       D - Tin Muck Surface       D - Saturation Visible on Aerial Imagery         Field Observations:       C - Tin Muck Surface       D - Microtopographic Position         Surface Water Present?       Yes       No       Depth:       O         Surface Water Present?       Yes       No       Depth:       N/A         Rescription Present?       Yes       No       Depth:       N/A         Rescription Present?       Yes       No       Depth:       N/A         Profile Description (Decise to segn means to income or origin the advace of origin the advace origin the advace of origin the advace origin the advace of origin the advace of origin the advace of origin the advace origin the origin the origin the orig														
B5 - troit Deposits       C 7 - Thin Muck Surface       D 2 - Geomorphic Position         B 7 - Introduction Visible on Arelian Imagery       Other (Explain in Remarks)       D 2 - Geomorphic Position         B 7 - Introduction Visible on Arelian Imagery       Other (Explain in Remarks)       D 2 - Geomorphic Position         Surface Water Present?       Ves       No       Depth:       0         Surface Water Present?       Yes       No       Depth:       0       (in, )         Saturation Present?       Yes       No       Depth:       0       (in, )         Describe Recorded Data       (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Profile Description       Describe Recorded Data       (stream file)       Muck Surface       Texture         Cophy       Popth       Horizon       Color (Moist)       %       Color (Moist)       %       Tope       Location       (e.g. Caly, sand, loam)         2       0       1       -       NR       10       M       Ioam           -       -       -       -       -       -       -         20       1       -       NR       10       M       Ioam       -       -       - <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>C9 - Saturation Vi</td><td>sible on Aerial Imagery</td></td<>											C9 - Saturation Vi	sible on Aerial Imagery		
B7 - Inucation Visible on Aerial Imagery       Other (Explain in Remarks)       D3 - Shallow'Aquitad         B7 - Inucation Visible on Aerial Imagery       Other (Explain in Remarks)       D3 - Shallow'Aquitad         Sufface Water Present?       Yes       No       Depth:       (in, )         Water Table Present?       Yes       No       Depth:       (in, )         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Profile Description       Detects the sequenease to commente to account in the secuent instance (module), for a value of the secure of the sequenease to commente to account instance (module), for a value of the sequenease to commente to account instance (module), for a value of the sequenease to commente to account instance (module), for a value of the sequenease to account in the sequenease to commente to account in the sequenease to account in the s														
B8 - Sparsely Vegetated Conceve Surface       Image: Conceve Surface       Image: Conceve Surface         Field Observations:       Surface Water Present?       Ves       No       Depth:       0       (in,)         Water Table Present?       Ves       No       Depth:       0       (in,)       Wetland Hydrology Present?       Ves       No         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       N/A       N/A         Remarks:       Softs       Profile Description       Depth       Motities       N/A         Top       Bottom       Color (Moist)       %       Color (Moist)       %       Texture         0       0       1       NR					_									
Bild Observations:       Surface Water Present?       Yes       No         Butface Water Present?       Yes       No       Depth:       0       (in,)         Surface Water Present?       Yes       No       Depth:       0       (in,)         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       N/A         Remarks:       Solf       No         Solf       Profile Description       Matrix       Motiles       Top         Bottom       Matrix       Motiles       Top       Location       (e.g. clay, sand, loam)         2       0       1              0       5       2       2.5Y       3/1 90        NR					님		piain in Re	marks)						
Surface Water Present?       Yes       No       Depth:       (in.)         Water Table Present?       Yes       No       Depth:       0       (in.)         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Remarks:       Solf       No       Depth:       (in.)         Solf       Profile Description       Inserte response to account the insert or continue to account the insert of indicates, if type: C-constitute.       NA         Popth       Depth       Horizon       Color (Moist)       %       Type       Location       Celor (doist)         0       5       2       2.5Y       3/1       90       NR       10       D       M       location		Do opuloliy		anaoo										
Surface Water Present?       Yes       No       Depth:       (in.)         Water Table Present?       Yes       No       Depth:       0       (in.)         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Remarks:       Solf       No       Depth:       (in.)         Solf       Profile Description       Inserte response to account the insert or continue to account the insert of indicates, if type: C-constitute.       NA         Popth       Depth       Horizon       Color (Moist)       %       Type       Location       Celor (doist)         0       5       2       2.5Y       3/1       90       NR       10       D       M       location	Field Observat	tions												
Water Table Present?       Yes       No       Depth:       0       (in.)         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       NA         Remarks:       Soll.5         Profile Description (pecrols be deph seeded to account the inducer or continue demond inducer, 1 (type C-Correntede. D-Option, RM-Induced Mate, CB-CoeredCade Series, Loader, PuHer Ling, M-Mate)       Top         Dottom       Mattrix       Motiles       Texture         O       5       2       2,5Y       3/1       90       -       NR       10       D       M       Ioarn         1				Denth:		(in)								
Saturation Present?       Yes       No       Depth       0       (in.)         Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       N/A         Remarks:       Soll S         Profile Description (number to the optime to				•		. ,			Wetland Hye	drology Pro	esent?	Yes 🗆 No		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:       N/A         Remarks:         SOLS         Top       Bottom Inserve the indexer or colome the indexer of indexers). (Type: C-Concentrator, D-Depleter, RM-Relaxed Matrix, CS-DorentXCared Start Grance, Loador, R,-Pres Lang, MAdrid,         Not both the index or colome the indexer of indexers.) (Type: C-Concentrator, D-Depleter, RM-Relaxed Matrix, CS-DorentXCared Start Grance, Loador, R,-Pres Lang, MAdrid,         A colspan="2">O 1       Texture         O 1       Texture         O 1       Texture         O 1       Texture         O 1       Texture         Color (Moist)       %       Texture         O 1       Texture         O 1       Texture         Texture       Texture         O 1       Texture         Texture       Texture         Texture       Texture         Texture       Texture         Texture       Texture <th <<="" colspan="2" td=""><td></td><td></td><td></td><td>•</td><td></td><td>. ,</td><td></td><td></td><td></td><td></td><td></td><td></td></th>	<td></td> <td></td> <td></td> <td>•</td> <td></td> <td>. ,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					•		. ,						
Remarks:         SOLS         Profile Description (basede to document the relaters or confine the advance of indicators, 0:the plates, MALRoused Matrix, Clo-ConventCoated Sand Grane, Lotation PL-lives Ling, MALrany, Mottles       Texture         Top       Bottom       Matrix       Mottles       Texture         0       5       2       2.5Y       3/1       90            organic         0       5       2       2.5Y       3/1       90        NR       10       D       M       loarn														
SOLS         Profile Description: Descrip						, ,	- !	ana) if an ailabhan		N1/A				
Profile Description         Description         Description         Description         Description         Description         Description         Texture           Top         Bottom         Color (Moist)         %         Color (Moist)         %         Type         Location         (e.g. clay, Sand, Joan)           2         0         1          NR             or         or <t< td=""><td>Describe Record</td><td></td><td></td><td></td><td></td><td>, ,</td><td>s inspecti</td><td>ons), if available:</td><td></td><td>N/A</td><td></td><td></td></t<>	Describe Record					, ,	s inspecti	ons), if available:		N/A				
Profile Description         Description         Description         Description         Description         Description         Description         Texture           Top         Bottom         Color (Moist)         %         Color (Moist)         %         Type         Location         (e.g. clay, Sand, Joan)           2         0         1          NR             or         or <t< td=""><td>Describe Record</td><td></td><td></td><td></td><td></td><td>, ,</td><td>s inspecti</td><td>ons), if available:</td><td></td><td>N/A</td><td></td><td></td></t<>	Describe Record					, ,	s inspecti	ons), if available:		N/A				
Top Depth         Bottom Depth         Matrix         Matrix         Matrix         Type         Texture           2         0         1          NR              Organic         0         5         2         2,5Y         3/1         90          NR         10         D         M         Ioam           0         5         2         2,5Y         3/1         90          NR         10         D         M         Ioam               NR         10         D         M         Ioam	Describe Record Remarks:					, ,	s inspecti	ons), if available:		N/A				
Depth         Depth         Horizon         Color (Moist)         %         Color (Moist)         %         Type         Location         (e.g. clay, sand, loam)           2         0         1          NR             organic           0         5         2         2.5Y         3/1         90          NR         10         D         M         loam               NR         10         D         M         loam	Describe Record Remarks: SOILS	ed Data (stre	am gauge, monitoring	, g well, aei	rial photo	s, previou								
2         0         1         INR               Organic           0         5         2         2.5Y         3/1         90          NR         10         D         M         loam                         Organic           0         5         2         2.5Y         3/1         90          NR         10         D         M         loam <td< td=""><td>Describe Record Remarks: SOILS Profile Descrip</td><td>ed Data (stree</td><td>am gauge, monitoring</td><td>, g well, aei</td><td>rial photo</td><td>s, previou</td><td></td><td></td><td></td><td></td><td>=Pore Lining, M=Matrix)</td><td>Tudar</td></td<>	Describe Record Remarks: SOILS Profile Descrip	ed Data (stree	am gauge, monitoring	, g well, aei	rial photo	s, previou					=Pore Lining, M=Matrix)	Tudar		
0         5         2         2.5Y         3/1         90          NR         10         D         M         loam	Describe Record Remarks: SOILS Profile Descrip Top	ed Data (stree	am gauge, monitoring	g well, aei	rial photo the absence of Matrix	S, previou:		ion, D=Depletion, RM=Reduced Matrix, C	Mottles	Grains; Location: PL				
Image: Second	Describe Record Remarks: SOILS Profile Descrip Top Depth	ed Data (stree <b>Dtion</b> (Describe to the Bottom Depth	am gauge, monitoring he depth needed to document the ind Horizon	g well, aei	rial photo the absence of <u>Matrix</u> (Moist)	s, previou: indicators.) (Typ	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PL		(e.g. clay, sand, loam)		
Image: Second	Describe Record Remarks: SOILS Profile Descrip Top Depth 2	otion (Describe to the Depth O	am gauge, monitoring he depth needed to document the ind Horizon 1	g well, aei	n the absence of Matrix (Moist) NR	s, previou: indicators.) (Typ % 	e: C=Concentrat	ion. D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles % 	Grains; Location: PL Type 	Location 	(e.g. clay, sand, loam) organic		
Image: Stratified Layers       Image: Stratif	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0	ed Data (stree	am gauge, monitoring he depth needed to document the ind Horizon 1 2	g well, aer	n the absence of Matrix (Moist) NR 3/1	s, previous indicators.) (Typ %  90	e: C=Concentral	ion. D=Depletion, RM=Reduced Matrix, C Color (Moist)  NR	Mottles %  10	Grains: Location: PL Type  D	Location  M	(e.g. clay, sand, loam) organic loam		
Image: Second	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0 	ed Data (stree	am gauge, monitoring he depth needed to document the ind Horizon 1 2 	g well, aer	nthe absence of Matrix (Moist) NR 3/1 	s, previous indicators.) (Typ %  90 	e: C=Concentral	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  NR 	Mottles %  10 	Grains: Location: PL Type  D	Location  M	(e.g. clay, sand, loam) organic loam 		
Image: Solid Field Indicators (check here if indicators are not present	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0 	ed Data (stree	am gauge, monitoring he depth needed to document the ind Horizon 1 2 	icator or confirm Color  2.5Y 	nthe absence of Matrix (Moist) NR 3/1  	s, previous indicators.) (Typ %  90 	e: C=Concentral	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  NR 	Mottles %  10 	Grains: Location: PL Type  D 	Location  M 	(e.g. clay, sand, loam) organic loam 		
Image: Solution of the solution	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0  	ed Data (stree	am gauge, monitoring he depth needed to document the ind Horizon 1 2	icator or confirm Color  2.5Y 	nthe absence of Matrix (Moist) NR 3/1  	s, previous indicators.) (Typ %  90  	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  NR   	Mottles           %              10	Grains: Location: PL Type  D  	Location  M  	(e.g. clay, sand, loam) organic loam   		
NRCS Hydric Soil Field Indicators (check here if indicators are not present):       Indicators for Problematic Soils 1         A1- Histosol       S8 - Polyvalue Below Surface (LRR R, MLRA 149B)       A10 - 2 cm Muck (LRR K, L, MLRA 149B)         A2 - Histic Epipedon       S9 - Thin Dark Surface (LRR R, MLRA 149B)       A16 - Coast Prairie Redox (LRR K, L, R)         A3 - Black Histic       F1 - Loamy Mucky Mineral (LRR K, L)       S3 - 5cm Muck (Peat (LRR K, L, R)         A5 - Stratified Layers       F3 - Depleted Matrix       S8 - Polyvalue Below Dark Surface (LRR K, L)         A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L)         A1 - Sandy Muck Mineral       F8 - Redox Depressions       F12 - Iron-Manganese Masses (LRR K, L, R)         S4 - Sandy Redox       F8 - Redox Depressions       T46 - Mesic Spodic (MLRA 149B)         S7 - Dark Surface (LRR R, MLRA 149B)       T46 - Mesic Spodic (MLRA 144B)       T48 - Mesic Spodic (MLRA 149B)         S5 - Sandy Redox       F17 - Depleted Dark Surface       F12 - Iron-Manganese Masses (LRR K, L, R)         S7 - Dark Surface (LRR R, MLRA 149B)       T46 - Mesic Spodic (MLRA 144B)       T48 - Mesic Spodic (MLRA 144B)         S6 - Stripped Matrix       F12 - Very Shallow Dark Surface       T46 - Mesic Spodic (MLRA 144B)         S7 - Dark Surface (LRR R, MLRA 149B)       "Indicators of hydrophytic vegetation and wetland hydrologymust be present, unless disturbed	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0   	ed Data (stree btion (Describe to the Bottom Depth 0 5   	am gauge, monitoring he depth needed to document the ind Horizon 1 2	icator or confirm Color  2.5Y   	nthe absence of Matrix (Moist) NR 3/1   	s, previou: indeators.) (Typ %  90   	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  NR     	Mottles           %              10	Grains; Location: PL Type  D   	Location  M   	(e.g. clay, sand, loam) organic loam     		
A1- Histosol       S8 - Polyvalue Below Surface (LRR R, MLRA 149B)       A10 - 2 cm Muck (LRR K, L, MLRA 149B)         A2 - Histic Epipedon       S9 - Thin Dark Surface (LRR R, MLRA 149B)       A16 - Coast Prairie Redox (LRR K, L, R)         A3 - Black Histic       F1 - Loamy Mucky Mineral (LRR K, L)       S3 - 5 cm Mucky Peat of Peat (LRR K, L, R)         A4 - Hydrogen Sulfide       F2 - Loamy Gleyed Matrix       S3 - 5 cm Mucky Peat of Peat (LRR K, L, R)         A5 - Stratified Layers       F3 - Depleted Matrix       S8 - Polyvalue Below Surface (LRR K, L)         A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L)         A12 - Thick Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L)         S1 - Sandy Muck Mineral       F8 - Redox Depressions       F19 - Piedmont Floodplain Solls (MLRA 149B)         S6 - Stripped Matrix       S6 - Stripped Matrix       TF2 - Red Parent Material         S7 - Dark Surface (LRR R, MLRA 149B)       Type: Till       Depth:       7"         Hydric Soil Present?       Yes       No	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0    	ed Data (stree Detion (Describe to the Bottom Depth 0 5     	am gauge, monitoring he depth needed to document the ind Horizon 1 2     	icator or confirm Color  2.5Y   	rial photo the absence of Matrix (Moist) NR 3/1    	s, previou: indicators.) (Typ 90    	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  NR      	Mottles           %              10	Grains: Location: PL Type  D     	Location  M     	(e.g. clay, sand, loam) organic loam      		
A2 - Histic Epipedon       S9 - Thin Dark Surface (LRR R, MLRA 149B)       A16 - Coast Prairie Redox (LRR K, L, R)         A3 - Black Histic       F1 - Loamy Mucky Mineral (LRR K, L)       S3 - 5cm Mucky Peat of Peat (LRR K, L, R)         A4 - Hydrogen Sulfide       F2 - Loamy Gleyed Matrix       S7 - Dark Surface (LRR K, L, M)         A5 - Stratified Layers       F3 - Depleted Matrix       S7 - Dark Surface (LRR K, L, R)         A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L, R)         A12 - Thick Dark Surface       F7 - Depleted Dark Surface       F12 - Iron-Manganese Masses (LRR K, L, R)         S4 - Sandy Muck Mineral       F8 - Redox Depressions       F19 - Piedmont Floodplain Soils (MLRA 149B)         S5 - Sandy Redox       TF2 - Red Parent Material       TF2 - Red Parent Material         S7 - Dark Surface (LRR R, MLRA 149B)       Other (Explain in Remarks)       "indicators of hydrophytic vegetation and wetland hydrology must be present, unless distributed or problematic."         Restrictive Layer (ff Observed)       Type: Till       Depth:       7"       Hydric Soil Present?       Yes       No	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0     	ed Data (stree Detion (Describe to the Bottom Depth 0 5     	am gauge, monitoring he depth needed to document the ind Horizon 1 2     	icator or confirm Color  2.5Y   	rial photo the absence of Matrix (Moist) NR 3/1    	s, previou: indicators.) (Typ 90    	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  NR      	Mottles           %              10	Grains: Location: PL Type  D     	Location  M     	(e.g. clay, sand, loam) organic loam      		
A3 - Black Histic       F1 - Loamy Mucky Mineral (LRR K, L)       S3 - 5cm Mucky Peat of Peat (LRR K, L, R)         A4 - Hydrogen Sulfide       F2 - Loamy Gleyed Matrix       S7 - Dark Surface (LRR K, L, M)         A4 - Hydrogen Sulfide       F2 - Loamy Gleyed Matrix       S7 - Dark Surface (LRR K, L, M)         A5 - Stratified Layers       F3 - Depleted Matrix       S8 - Polyvalue Below Surface (LRR K, L, R)         A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L, R)         A12 - Thick Dark Surface       F7 - Depleted Dark Surface       F1 - Loamy Muck Mineral         S1 - Sandy Muck Mineral       F8 - Redox Depressions       F19 - Piedmont Floodplain Soils (MLRA 149B)         S4 - Sandy Gleyed Matrix       T46 - Mesic Spocit (MLRA 144A, 145, 149B)       T46 - Mesic Spocit (MLRA 144B)         S6 - Stripped Matrix       Other (Explain in Remarks)       Other (Explain in Remarks)         * Indicators of hydrophydic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Yes         Restrictive Layer (ff Observed)       Type: Till       Depth:       7"	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0      NRCS Hydric	otion (Describe to the Depth D	am gauge, monitoring he depth needed to document the ind Horizon 1 2	icator or confirm Color  2.5Y    	nihe absence of Matrix (Moist) NR 3/1    cators ar	s, previous indicators) (Typ 90    e not pre	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  NR      	Mottles %  10       <u></u> <u></u> <u>Indicator</u>	Grains: Location: PL Type D	Location       matic Soils ¹	(e.g. clay, sand, loam) organic loam        		
A4 - Hydrogen Sulfide       F2 - Loamy Gleyed Matrix       S7 - Dark Surface (LRR K, L, M)         A5 - Stratified Layers       F3 - Depleted Matrix       S8 - Polyvalue Below Surface (LRR K, L)         A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L)         A11 - Depleted Below Dark Surface       F7 - Depleted Dark Surface       S9 - Thin Dark Surface (LRR K, L)         A11 - Depleted Below Dark Surface       F7 - Depleted Dark Surface       S9 - Thin Dark Surface (LRR K, L, R)         S1 - Sandy Muck Mineral       F8 - Redox Depressions       F19 - Piedmont Floodplain Soils (MLRA 149B)         S4 - Sandy Gleyed Matrix       TF2 - Red Parent Material       TF2 - Very Shallow Dark Surface         S6 - Stripped Matrix       Other (Explain in Remarks)       Thickators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Restrictive Layer (ff Observed)       Type: Till       Depth:       7"	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0       NRCS Hydric	otion (Describe to the Bottom Depth 0 5 5	am gauge, monitoring he depth needed to document the ind Horizon 1 2 dicators (check he	icator or confirm Color  2.5Y    	The absence of Matrix (Moist) Matrix (Moist) NR 3/1     cators ar	s, previous indicators.) (Typ %  90      e not pre S8 - Polyn	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  NR      	Mottles %  10      	Grains; Location: PL Type  D    s for Proble A10 - 2 cm N	Location  M      	(e.g. clay, sand, loam) organic loam        -		
A5 - Stratified Layers       F3 - Depleted Matrix       S8 - Polyvalue Below Surface (LRR K, L)         A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L)         A12 - Thick Dark Surface       F7 - Depleted Dark Surface       S9 - Thin Dark Surface (LRR K, L)         A12 - Thick Dark Surface       F7 - Depleted Dark Surface       F12 - Iron-Manganese Masses (LRR K, L, R)         S1 - Sandy Muck Mineral       F8 - Redox Depressions       F19 - Piedmont Floodplain Soils (MLRA 1498)         S4 - Sandy Redox       T52 - Red Parent Material       TF2 - Red Parent Material         S6 - Stripped Matrix       Other (Explain in Remarks)       Other (Explain in Remarks)         * Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Yes         Restrictive Layer (If Observed)       Type: Till       Depth: 7"	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0      NRCS Hydric	ed Data (stree	am gauge, monitoring he depth needed to document the ind Horizon 1 2 dicators (check he bipedon	icator or confirm Color  2.5Y    	ithe absence of Matrix (Moist) NR 3/1     cators ar	s, previou: indicators) (Typ %  90    e not pre \$8 - Polyy \$9 - Thin	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  NR         	Mottles %  10      Indicator	Grains; Location: PL Type  D      s for Proble A10 - 2 cm N A16 - Coast	Location  M     matic Soils ¹ Muck (LRR K, L, MRA 1 Prairie Redox (LRR	(e.g. clay, sand, loam) organic loam        -		
A11 - Depleted Below Dark Surface       F6 - Redox Dark Surface       S9 - Thin Dark Surface (LRR K, L)         A12 - Thick Dark Surface       F7 - Depleted Dark Surface       F12 - Iron-Manganese Masses (LRR K, L, R)         S1 - Sandy Muck Mineral       F8 - Redox Depressions       F19 - Piedmont Floodplain Solis (MLRA 1498)         S4 - Sandy Redox       T46 - Mesic Spodic (MLRA 1444, 145, 1498)       TF2 - Red Parent Material         S6 - Stripped Matrix       Other (Explain in Remarks)       Other (Explain in Remarks)         * Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.       Yes         Restrictive Layer (If Observed)       Type: Till       Depth:       7"	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0     NRCS Hydric	ed Data (stree btion (Describe to the Bottom Depth 0 5    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Histore	am gauge, monitoring he depth needed to document the ind Horizon 1 2 dicators (check he bipedon stic	icator or confirm Color  2.5Y    	nthe absence of Matrix (Moist) NR 3/1    cators ar	s, previou: indeators) (Typ %  90    e not pre S8 - Polyn S9 - Thin S9 - Thin	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  NR      	Mottles %  10     Indicator	Grains: Location: PL Type  D     s for Proble A10 - 2 cm Mt A16 - Coast S3 - 5cm Mt	Location  M    matic Soils ¹ Muck (ILRR K, L, MLRA 1 Prairie Redox (ILRR Prairie Redox (ILRR	(e.g. clay, sand, loam) organic loam        -		
S1 - Sandy Muck Mineral       F8 - Redox Depressions       F19 - Piedmont Floodplain Soils (MLRA 1498)         S4 - Sandy Gleyed Matrix       TA6 - Mesic Spodic (MLRA 144A, 145, 1498)         S5 - Sandy Redox       TF2 - Red Parent Material         S6 - Stripped Matrix       TF12 - Very Shallow Dark Surface         Other (Explain in Remarks)       "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic."         Restrictive Layer (If Observed)       Type: Till       Depth:       7"	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0     NRCS Hydric	ed Data (stree btion (Describe to the Bottom Depth 0 5    Soil Field In A1- Histosol A2 - Histic E A3 - Black Hii A4 - Hydroge	am gauge, monitoring he depth needed to document the ind Horizon 1 2 dicators (check he bipedon stic n Sulfide	icator or confirm Color  2.5Y    	nial photo Matrix (Moist) NR 3/1   cators ar Cators ar	s, previou: indicators) (Typ %  90   e not pre S8 - Polyy S9 - Thin F1 - Loar F2 - Loar	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  NR          -	Mottles %  10    Indicator □ □ □ □ □ □ □ □ □	Grains; Location: PL Type  D    s for Proble A10 - 2 cm N A16 - Coast S3 - 5cm Mu S3 - 5cm Mu	Location  M      	(e.g. clay, sand, loam) organic loam     498) K, L, R) LRR K, L, R)		
S4 - Sandy Gleyed Matrix       TA6 - Mesic Spodic (MLRA 144A, 145, 149B)         S5 - Sandy Redox       TF2 - Red Parent Material         S6 - Stripped Matrix       TF12 - Very Shallow Dark Surface         S7 - Dark Surface (LRR R, MLRA 149B)       Other (Explain in Remarks)         *Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Restrictive Layer (ff Observed)       Type: Till         Depth:       7"         Hydric Soil Present?       Yes	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0     NRCS Hydric	Detion (Describe to the solution (Describe to the solution) Depth 0 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	am gauge, monitoring he depth needed to document the ind Horizon 1 2 dicators (check he bipedon stic n Sulfide 1 Layers ad Below Dark Surface	icator or confirm Color  2.5Y    re if indio	interabernee of Matrix (Moist) NR 3/1    cators ar Cators ar	s, previou: indicators) (Typ %  90     e not pre S8 - Polyn S9 - Thin F1 - Loarr F2 - Loarr F3 - Deple F6 - Redo	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  NR      	Mottles %  10       Indicator	Grains; Location: PL        -	Location  M      matic Soils ¹ Muck (LRK K, L MLRA1 Prairie Redox (LRR prairie Redox (LRK, L, M) urface (LRK K, L, M) urface (LRK K, L, M) Surface (LRK K, L, M)	(e.g. clay, sand, loam) organic loam       49B) K, L, R) LRR K, L, R) (LRR K, L)		
S5 - Sandy Redox       □ TF2 - Red Parent Material         S6 - Stripped Matrix       □ TF12 - Very Shallow Dark Surface         S7 - Dark Surface (LRR R, MLRA 149B)       □ Other (Explain in Remarks)         *Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problemait.         Restrictive Layer (ff Observed)       Type: Till         Depth:       7"         Hydric Soil Present?       ✓ Yes	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0     NRCS Hydric	ed Data (stree btion (Describe to the Bottom Depth 0 5    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D	am gauge, monitoring he depth needed to document the ind Horizon 1 2    dicators (check he bipedon stic n Sulfide J Layers ad Below Dark Surface bark Surface	icator or confirm Color  2.5Y    re if indio	nthe absence of Matrix (Moist) NR 3/1   cators ar Cators ar	s, previou: indicators) (Typ %  90      	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR	Mottles %     Indicator                                                                                                                                                                                                                                                                                                                                             	Grains: Location: PL  D     s for Proble A10 - 2 cm N A16 - Coast S3 - 5cm Mu S7 - Dark St S8 - Polyval S9 - Thin Da F12 - Iron-M	Location  M      	(e.g. clay, sand, loam) organic loam      49B) K, L, R) LRR K, L, R) (LRR K, L, R)		
S6 - Stripped Matrix       TF12 - Very Shallow Dark Surface         Other (Explain in Remarks)       Other (Explain in Remarks)         'Indicators of hydrology must be present, unless disturbed or problematic.         Restrictive Layer (If Observed)       Type: Till         Depth:       7"         Hydric Soil Present?       Yes	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0    NRCS Hydric	ed Data (stree Dtion (Describe to the street of the stree	am gauge, monitoring he depth needed to document the ind Horizon 1 2   dicators (check he bipedon stic n Sulfide I Layers ad Below Dark Surface luck Mineral	icator or confirm Color  2.5Y    re if indio	nthe absence of Matrix (Moist) NR 3/1   cators ar Cators ar	s, previou: indicators) (Typ %  90      	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR	Mottles % 10 Indicator	Grains; Location: PL Type  D    s for Proble: A10 - 2 cm N A16 - Coast S3 - 5cm Mu S7 - Dark St S8 - Polyval S9 - Thin Da S9 - Thin Da F12 - Iron-M F19 - Piedm	Location  M      	(e.g. clay, sand, loam) organic loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R)		
S7 - Dark Surface (LRR R, MLRA 149B)	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0     NRCS Hydric	ed Data (stree Detion (Describe to the Bottom Depth 0 5    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hist A4 - Hydroge A5 - Stratified A1 - Deplett A1 - Deplett A2 - Stratified A1 - Deplett A3 - Stratified A1 - Deplett A3 - Stratified A4 - Hydroge A5 - Stratified A1 - Deplett A3 - Stratified A1 - Deplett A1 - Deplett A1 - Straty M S1 - Sandy M S4 - Sandy G	am gauge, monitoring he depth needed to document the ind Horizon 1 2   dicators (check he bipedon stic n Sulfide I Layers ad Below Dark Surface bark Surface bark Surface bark Surface	icator or confirm Color  2.5Y    re if indio	nthe absence of Matrix (Moist) NR 3/1   cators ar Cators ar	s, previou: indicators) (Typ %  90      	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR	Mottles % 10 Indicator	Grains; Location: PL Type  D      s for Proble A10 - 2 cm N A16 - Coast S3 - 5cm Mu S7 - Dark St S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic	Location  M      	(e.g. clay, sand, loam) organic loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R)		
Restrictive Layer (f Observed)       Type: Till       Depth:       7"       Hydric Soil Present?       Yes       No	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0      NRCS Hydric	ed Data (stree Detion (Describe to the Bottom Depth 0 5     Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hii A4 - Hydroge A5 - Stratifiec A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R	am gauge, monitoring he depth needed to document the ind Horizon 1 2    dicators (check he bipedon stic n Sulfide I Layers ad Below Dark Surface layer Surface luck Mineral leyed Matrix edox	icator or confirm Color  2.5Y    re if indio	nthe absence of Matrix (Moist) NR 3/1   cators ar Cators ar	s, previou: indicators) (Typ %  90      	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR	Mottles % 10	Grains: Location: PL Type  D      	Location  M      	(e.g. clay, sand, loam) organic loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R)		
Restrictive Layer (If Observed)     Type: Till     Depth:     7"     Hydric Soil Present?     Yes     No	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0     NRCS Hydric	ed Data (stree btion (Describe to 1 Bottom Depth 0 5    Soil Field In A1- Histosol A2 - Histosic Ep A3 - Black Hii A4 - Hydroge A5 - Stratifice A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy M S4 - Sandy M S4 - Sandy R	am gauge, monitoring he depth needed to document the ind Horizon 1 2   dicators (check he bipedon stic n Sulfide J Layers ad Below Dark Surface ark Surface luck Mineral leyed Matrix edox Matrix	icator or confirm Color  2.5Y    re if indio	nthe absence of Matrix (Moist) NR 3/1   cators ar Cators ar	s, previou: indicators) (Typ %  90      	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR	Mottles % 10	Grains; Location: PL Type  D    s for Proble A10 - 2 cm N A16 - Coast S3 - 5cm Mu S7 - Dark St S8 - Polyval S9 - Thin Da S9 - Thin Da S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red P TF12 - Very Other (Expla	Location M  M      -	(e.g. clay, sand, loam) organic loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) 5 (MLRA 149B) 45, 149B) aCe		
robserved) and an analysis of the second secon	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0     NRCS Hydric	ed Data (stree btion (Describe to 1 Bottom Depth 0 5    Soil Field In A1- Histosol A2 - Histosic Ep A3 - Black Hii A4 - Hydroge A5 - Stratifice A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy M S4 - Sandy M S4 - Sandy R	am gauge, monitoring he depth needed to document the ind Horizon 1 2   dicators (check he bipedon stic n Sulfide J Layers ad Below Dark Surface ark Surface luck Mineral leyed Matrix edox Matrix	icator or confirm Color  2.5Y    re if indio	rial photo The absence of Matrix (Moist) NR 3/1 cators ar Cators ar Cator a	s, previou: indicators) (Typ %  90      	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR	Mottles % 10	Grains: Location: PL Type  D        -	Location M  M      -	(e.g. clay, sand, loam) organic loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) 5 (MLRA 149B) 45, 149B) aCe		
Remarks:	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0 NRCS Hydric	ed Data (stree Detion (Describe to the Depth 0 5     Soil Field In A1- Histosol A2 - Histic Epi A3 - Black Histic Epi A3 - Black Histic Epi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Sur	am gauge, monitoring he depth needed to document the ind Horizon 1 2    dicators (check he bipedon stic n Sulfide 4 Layers ad Below Dark Surface bipedon stic n Sulfide 4 Layers ad Below Dark Surface bipedon stic n Sulfide 4 Layers ad Below Dark Surface bipedon static n Sulfide 4 Layers ad Below Dark Surface bipedox Matrix face (LRR R, MLRA 149B)	icator or confirm Color  2.5Y    re if indic	rial photo The absence of Matrix (Moist) NR 3/1 cators ar	s, previou: indicators.) (Typ %  90       e not pre S8 - Polyn S9 - Thin F1 - Loar F3 - Deple F6 - Redo F7 - Deple F8 - Redo	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR	Mottles % 10	Grains: Location: PL Type  D        -	Location M  M       	(e.g. clay, sand, loam) organic loam       49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) acce must be present, unless		
	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0 NRCS Hydric	ed Data (stree Detion (Describe to the Depth 0 5     Soil Field In A1- Histosol A2 - Histic Epi A3 - Black Histic Epi A3 - Black Histic Epi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Sur	am gauge, monitoring he depth needed to document the ind Horizon 1 2    dicators (check he bipedon stic n Sulfide 4 Layers ad Below Dark Surface bipedon stic n Sulfide 4 Layers ad Below Dark Surface bipedon stic n Sulfide 4 Layers ad Below Dark Surface bipedon static n Sulfide 4 Layers ad Below Dark Surface bipedox Matrix face (LRR R, MLRA 149B)	icator or confirm Color  2.5Y    re if indic	rial photo The absence of Matrix (Moist) NR 3/1 cators ar	s, previou: indicators.) (Typ %  90       e not pre S8 - Polyn S9 - Thin F1 - Loar F3 - Deple F6 - Redo F7 - Deple F8 - Redo	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR	Mottles % 10	Grains: Location: PL Type  D        -	Location M  M       	(e.g. clay, sand, loam) organic loam       49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) acce must be present, unless		
	Describe Record Remarks: SOILS Profile Descrip Top Depth 2 0    NRCS Hydric NRCS Hydric	ed Data (stree Detion (Describe to the Depth 0 5     Soil Field In A1- Histosol A2 - Histic Epi A3 - Black Histic Epi A3 - Black Histic Epi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Sur	am gauge, monitoring he depth needed to document the ind Horizon 1 2    dicators (check he bipedon stic n Sulfide 4 Layers ad Below Dark Surface bipedon stic n Sulfide 4 Layers ad Below Dark Surface bipedon stic n Sulfide 4 Layers ad Below Dark Surface bipedon static n Sulfide 4 Layers ad Below Dark Surface bipedox Matrix face (LRR R, MLRA 149B)	icator or confirm Color  2.5Y    re if indic	rial photo The absence of Matrix (Moist) NR 3/1 cators ar	s, previou: indicators.) (Typ %  90       e not pre S8 - Polyn S9 - Thin F1 - Loar F3 - Deple F6 - Redo F7 - Deple F8 - Redo	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist) NR	Mottles % 10	Grains: Location: PL Type  D        -	Location M  M       	(e.g. clay, sand, loam) organic loam       49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) acce must be present, unless		



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project					Wetland ID: W107 Sample Point Wetland
VEGETATION	(Species identified in all up	percase are pop-pa	ative spec			
	lot size: 10 meter radius)	percase are non-na	allive spec	Jies.)		
	Species Name		% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.	Abies balsamea		15	Y	FAC	
2.	Populus tremuloides		10	Y	FACU	Number of Dominant Species that are OBL, FACW, or FAC: 5 (A)
3.	Tsuga canadensis		5	N	FACU	
4.	Acer rubrum		5	N	FAC	Total Number of Dominant Species Across All Strata: 7 (B)
5.						
6.						Percent of Dominant Species That Are OBL, FACW, or FAC: 71.4% (A/B)
7.						
8.						Prevalence Index Worksheet
9.						Total % Cover of: Multiply by:
10.						OBL spp. 5 X 1 = 5
		Total Cover =	35			FACW spp. 72 X 2 = 144
						FAC spp. 51 X $3 = 153$
	tratum (Plot size: 5 meter radi	us)			FACIN	FACU spp $25$ X 4 = 100
1.	Thuja occidentalis		20	Y	FACW	UPL spp X $5 = $
2.	Abies balsamea		15	Y	FAC	
3. 4.	Tsuga canadensis		10 8	Y N	FACU FAC	Total <u>153</u> (A) <u>402</u> (B)
	Betula populifolia		8 5			Developed by D/A
5.	Acer rubrum			N	FAC	Prevalence Index = B/A = 2.627
6. 7.						
8.						Hydrophytic Vegetation Indicators:
8. 9.						
9. 10.						Yes No Rapid Test for Hydrophytic Vegetation
10.		Total Cover =				
			50			
Harb Stratum (Dl	ot size: 2 meter radius)					
	Osmundastrum cinnam	omeum	25	Y	FACW	☐ Yes ☑ No Problem Hydrophytic Vegetation (Explain) *
2.	Thuja occidentalis	lomean	25	Y	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Carex crinita		5	N	OBL	present, unless disturbed or problematic.
4.	Solidago rugosa		3	N	FAC	Definitions of Vegetation Strata:
5.	Equisetum sylvaticum		2	N	FACW	
6						Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.						height (DBH), regardless of height.
8.						
9.						Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.						tall.
11.						
12.						Herb - All herbaceous (non-woody) plants, regardless of size,
13.						and woody plants less than 3.28 ft. tall.
14.						
15.						Woody Vines - All woody vines greater than 3.28 ft. in height.
-		Total Cover =	60			
Woody Vine Stra	atum (Plot size: 10 meter radio	us)				
1.		,				
2.						
3.						Hydrophytic Vegetation Present 🛛 Yes 🗆 No
J.						
4.						
		Total Cover =	 0			



Are Vegetation	Colton-Her Side slope 5-10 drologic conc , Soil , , Soil , FINDINGS getation Pres	tatitude: Latitude: Latitude: Latitude: litions on the site typ or Hydrology □sigr or Hydrology □natu sent?	44.791551 vical for this	Loc L time of sturbed?	. ☑ No	NV Convex -68.2039 p, explain in	VI/WWI Classification: 82 remarks) Are normal circumsta Ves	Datum: Ves ances present No Hydric Soils	No ? Present?	Date: County: State: Wetland ID: Sample Point: Community ID: Section: Township: Range: Within A Wetland	08/26/14 Hancock Hancock W113 Upland    Dir: No Yes ⊻ No No
	A1 - Surface A2 - High Wa A3 - Saturatii B1 - Water M B2 - Sedimer B3 - Drift Dep B4 - Algal Ma B5 - Iron Dep B7 - Inundati B8 - Sparsel	ater Table on Iarks nt Deposits posits at or Crust	gery	are not p	B9 - Wate B13 - Aqu B15 - Mar C1 - Hydr C3 - Oxidi C4 - Press C6 - Rece C7 - Thin	atic Fauna I Deposits ogen Sulfi ized Rhizc ence of Re ent Iron Re Muck Sur	a de Odor Ispheres on Living Roots educed Iron eduction in Tilled Soils face			B6 - Surface Soil ( B10 - Drainage Pa B16 - Moss Trim I C2 - Dry-Season V C8 - Crayfish Burr C9 - Saturation Vi D1 - Stunted or St D2 - Geomorphic D3 - Shallow Aqui D4 - Microtopogra D5 - FAC-Neutral	atterns .ines Water Table ows sible on Aerial Imagery ressed Plants Position tard phic Relief
Field Observat Surface Water I Water Table Pri Saturation Pres Describe Record Remarks:	Present? esent? ent?	☐ Yes	Depth: Depth: Depth: Ig well, aeria	al photos	(in.) (in.) (in.) , previous	inspectio	ns), if available:	Wetland Hyd	drology Pr	esent? □	Yes 🗹 No
SOILS											
	1										
		the depth needed to document the indi	cator or confirm the a		ators.) (Type: C=C	Concentration, D	=Depletion, RM=Reduced Matrix, CS=Cove		Location: PL=Pore L	ining, M=Matrix)	-
Тор	Bottom			Matrix	1			Mottles		1	Texture
Depth	Depth	Horizon	Color (I	Moist)	%		Color (Moist)	%	Туре	Location	(e.g. clay, sand, loam)
0	1	1	2.5Y	3/1	100						sandy loam
1	2	2	10YR	6/2	100						sandy loam
2	16	3	10YR	4/4	100						sandy loam
	A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped	stic en Sulfide d Layers ed Below Dark Surface Dark Surface Auck Mineral Bleyed Matrix Redox	re if indicati		S8 - Polyv S9 - Thin F1 - Loam	value Belo Dark Surfa ny Mucky I ny Gleyed eted Matria ox Dark Su eted Dark	ý w Surface (LRR R, MLRA 1498) ace (LRR R, MLRA 1498) Vineral (LRR K, L) Matrix x Irface Surface		A10 - 2 cm I A16 - Coast S3 - 5cm M S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-N F19 - Piedm TA6 - Mesic TF2 - Red F TF12 - Very Other (Expla	matic Soils ¹ Muck (LRR K, L, MLRA 1/ Prairie Redox (LRR ucky Peat of Peat ( urface (LRR K, L, M) ue Below Surface ( ark Surface (LRR K, L) fanganese Masses iont Floodplain Soil Spodic (MLRA 144A, 1/ arent Material Shallow Dark Surfa atin in Remarks) ation and wetland hydrology of	K, L, R) LRR K, L, R) (LRR K, L, R) S (MLRA 149B) 15, 149B)
Restrictive Layer	Tunci	NP		Donth	16"						Voc. V. No
(If Observed)	Type:		and a shall	Depth:	16"	uppet le s l'		Hydric Soil I			Yes 🗹 No
Remarks:	o uun at s	unace. Second noriz	on is shall	JM ⊑-UOI	12011. LOV	west nori	zon contains 60% coar	se nagments	•		



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project				Wetland ID: W113 Sample Point Upland
VEGETATION	(Species identified in all uppercase are non-na	ative species.)			
Tree Stratum (Pl	ot size: 10 meter radius)				Deminence Test Werkehest
1	<u>Species Name</u> Pinus strobus	<u>% Cover</u> 35	Dominant Y	Ind.Status FACU	Dominance Test Worksheet
1. 2.	Tsuga canadensis	25	Y	FACU	Number of Deminent Consists that are OPL $[\Delta C(M)]$ or $[\Delta C(M)] = (\Delta C(M)]$
3.	Picea rubens	15	N	FACU	Number of Dominant Species that are OBL, FACW, or FAC:(A)
4.	Thuja occidentalis	10	N	FACU	Total Number of Dominant Species Across All Strata: 4 (B)
	Betula alleghaniensis	5	N	FAC	
6.	Betula papyrifera	5	N	FACU	Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					$OBL spp. _ 0 X 1 = _ 0$
10.	Total Cove				FACW spp. 10 $x^2 = 20$
		i = 35			FAC spp. 20 $X = 60$
Sopling/Shrub Str	atum (Plot size: 5 meter radius)				FAC spp. 20 X $3 = 60$ FAC u spp. 90 X $4 = 360$
3apiing/31irub 3tr	Abies balsamea	15	Y	FAC	UPL spp. $0 \times 5 = 0$
2.	Tsuga canadensis	10	Y	FACU	
3.					Total <u>120</u> (A) <u>440</u> (B)
4.					Total <u>120</u> (A) <u>440</u> (B)
5.					Prevalence Index = B/A = <b>3.667</b>
6.					Prevalence index = B/A = <u>3.007</u>
7.					
8.					Hydrophytic Vegetation Indicators
9.					Hydrophytic Vegetation Indicators:
					□ Yes □ No Rapid Test for Hydrophytic Vegetation
10.					□ Yes □ No Dominance Test is > 50%
	Total Cove	er = 25			□ Yes
					☐ Yes ☑ No Morphological Adaptations (Explain) *
	ot size: 2 meter radius)				Yes INO Problem Hydrophytic Vegetation (Explain) *
1.					* Indicators of hydric soil and wetland hydrology must be
2.					present, unless disturbed or problematic.
3.					
4.					Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
7.					neight (DDH), regardiess of height.
8.					e in terms . We shall be the 0 in DDU and events they 0.00 ft
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.					
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.					
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cove	er = 0			
Woody Vine Strat	um (Plot size: 10 meter radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present 🛛 Yes 🗹 No
4.					
5.					
	Total Cove	er = 0			
Remarks:	No vegetation present in the herbaceo	us layer.			



Investigator #1: Charles Ferris       Investigator #2: Jeana Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWIWWI Classification: PFO       Wetland ID:: W113         Singe (%):       0-5       Latitude:       Local Relief: Concave       Datum:         Are climatic/hydrologic conditions on the site typical for this time of year?       I're explaint immarks:       Yes       No         Are climatic/hydrologic conditions       Soil Or Hydrology       Charlently disturbed?       Are normal circumstances present?       Township:          Are Vegetation I, Soil Or Hydrology       Charlently disturbed?       Are normal circumstances present?       Township:          SUMMARY OF FINDINGS       Hydrology Present?       Yes       No       Hydrology Provide State Soil Cracks       Bris Sampling Point Within A Wetland?       Yes       Yes         Wetland Hydrology Indicators (Check here if indicators are not present	0 NRCS Hydric		         	    	    ors are n	100       S8 - Polyu S8 - Polyu S9 - Thin F1 - Loarr F2 - Loarr F3 - Deple F6 - Redo F7 - Deple F8 - Redo		      ): W Surface (LRR R, MLRA 149B) AGE (LRR R, MLRA 149B) Mineral (LRR K, L) Matrix ( frace Surface		     s for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I S3 - 5 cm Mi S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm F12 - Very Other (Expla Cher (Expla) Cher (Expla)		     49B) K, L, R) LRR K, L, R) LRR K, L, R) (LRR K, L, R) S (MLRA 149B) 45, 149B) aCCe nust be present, unless
Investigator #1: Charles Forms         Investigator #2: Jeans Lacker         State:         Maine           Landion:         Digression         Local Role:         Conceve         Sampe Form:         Vestand D:         Vestand D:         Sampe Form:         Sampe Fo	0     NRCS Hydric C C C C C C C C C C C C C C C C C C C		            	    	     ors are n	100            		      ): W Surface (LRR R, MLRA 149B) AGE (LRR R, MLRA 149B) Mineral (LRR K, L) Matrix ( frace Surface		         		mucky peat
Investigator #1: Cattle Fein         Investigator #2: Jeans Lackor         State:         Name           Landform:         Depression         Local Relie: Concave         Sample Pair         Vestand 10: v113           Landform:         Depression         Local Relie: Concave         Sample Pair         Vestand 10: v113           Are dimatchydrologic conditions on the site systal for this time of year? (r to equation is earning:         If Yes         No         Section:	0 NRCS Hydric		            	    	     ors are n	100            		      ): W Surface (LRR R, MLRA 149B) AGE (LRR R, MLRA 149B) Mineral (LRR K, L) Matrix ( frace Surface		    s for Proble A10 - 2 cm 1 A16 - Coast S3 - 5cm M S7 - Dark S S8 - Polyval S9 - Thin Da S9 - T		mucky peat
Investigator #1: Creates Ferm         Investigator #2: Jeans Lacker         State:         Name           Soli Unit:         Control Hormon association, 5-15% stopes         NV//WVI (Dasafication: PFO)         Sample Form:         Version 2	0 NRCS Hydric		            	    	     ors are n	100            		      ): W Surface (LRR R, MLRA 149B) AGE (LRR R, MLRA 149B) Mineral (LRR K, L) Matrix ( frace Surface	     Indicator             	      s for Proble A10 - 2 cm I A10 - 2 cm I A10 - Coast S3 - 5cm Mi S7 - Dark S3 S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm F19 - Piedm F19 - Piedm TA6 - Mesic TF2 - Red F		mucky peat <t< td=""></t<>
Investigator #1: Castee Fermin         Investigator #2: Aeria Laceler         Static         Maine           Soli Unit:         Colon-Herron association, 5-15% signed         NO/WWI Classification: PFO         Sample Point:         Wetland Investigator           Signe (%):         0-5         Latitude:         Local Relief: Concave         Datum:         Community (D:           Are Vegetation         Soli Q- et Mytotogy         Children of Yaga (fill or equips internation         Yes         No         Sector:            Are Vegetation         Soli Q- et Mytotogy         Call and typication         Sector:           Regree:          Dr.         Sector:          Regree:          Dr.         Regree:          Dr.         Regree:          Regree:          Regree:          Dr.         Regree:          Regree:          Regree:          Regree:          Cr.         Regree:          Regree:          Regree:          Regree:          Regree:          Regree:         Regree:          Regree:          Regree:         Regree:         Regree:         Regree:         Reg	0 NRCS Hydric		            	    	     ors are n	100            		      ): W Surface (LRR R, MLRA 149B) AGE (LRR R, MLRA 149B) Mineral (LRR K, L) Matrix ( frace Surface	      <u>Indicator</u>  	     <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u>		mucky peat
Investigator #1: Cannel Series         Unvestigator #2: Jenna Lecker         State:         Maine           Soil Unit:         Colon-Hermon association, 5:15% Stopes         NV/IV/VIClassification: PFO         Sample Point:         Wetland IV/VIClassification: PFO         No         Sample Point:         Wetland IV/VIClassification: PFO         No         Sample Point:         Wetland IV/VIClassification:         Pare Cannel VIClassification:         Pare Cannel VIClassification	0 NRCS Hydric		     ndicators (check he pipedon istic an Sulfide d Layers ed Below Dark Surface Dark Surface	    	     ors are n	100            		      ): W Surface (LRR R, MLRA 149B) AGE (LRR R, MLRA 149B) Mineral (LRR K, L) Matrix ( frace Surface	     Indicator  	            		mucky peat <t< td=""></t<>
Investigator #1: Cannue Series         Investigator #2: Anama Ledere         State:         Maine           Soil Unit:         Colon-Hermon association, 5-15% slopes         NV//WV/Classification: PFO         Sample Point:         Wetland display           State         Local Relief: Concave         Data mainter association, 5-15% slopes         No         Sample Point:         Wetland display           Are dimatich/strologic conditions on the site typical for this time of year? (m. organon manas)         Wetland display         No         Section:         -           Are Vogetation         Soil Qor Hydrology         Contrasting Vision         Sample Point:         No         Hydrophylic Vegetation Present?         Remarks:           VVBClocV         Wetland Hydrology Indicators (Check here if indicators are not present         Investigator Anice Soil Cracks         Bit - Against Faune         Bit - Agains	0     NRCS Hydric	            	     ndicators (check he pipedon istic an Sulfide d Layers ed Below Dark Surface	    	    ors are n	100     ot preser S8 - Polyv S9 - Thin F1 - Loar F2 - Loar F3 - Depk F6 - Redo			     Indicator	     s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mi S7 - Dark S3 S8 - Polyval S9 - Thin Da		mucky peat <t< td=""></t<>
Investigator #1: Catacks Ferms         Investigator #2: Jeanna Locker         State:         Name           Soil Unit:         Colton-Hermon association, 5-15% slopes         NU/WWI Classification:: PFO         Wetland           Landform:         Depression         Local Relief: Concave         Bample Point:         Wetland           Are Vegetation         Soil Or Hydrology         Optication:         Wetland         Community ID: **         -*           Are Vegetation         Soil Or Hydrology         Optication:         Wetland         Yes         No         Hydrology         Provide State:         Provide State: </td <td>0     NRCS Hydric</td> <td>            </td> <td>     ndicators (check he pipedon istic an Sulfide</td> <td>    </td> <td>     ors are n</td> <td>100     sot presen S8 - Polyv S9 - Thin F1 - Loam F2 - Loam</td> <td>    value Beloo Dark Surfa ny Mucky N</td> <td>            </td> <td>     Indicator</td> <td>    <u></u> <u></u> <u>s for Proble</u> A10 - 2 cm I A16 - Coast S3 - 5cm Mi S3 - 5cm Mi</td> <td>      Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Jocky Peat of Peat (L</td> <td>mucky peat                                                                                                                                                                </td>	0     NRCS Hydric	            	     ndicators (check he pipedon istic an Sulfide	    	     ors are n	100     sot presen S8 - Polyv S9 - Thin F1 - Loam F2 - Loam	    value Beloo Dark Surfa ny Mucky N	            	     Indicator	    <u></u> <u></u> <u>s for Proble</u> A10 - 2 cm I A16 - Coast S3 - 5cm Mi S3 - 5cm Mi	      Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Jocky Peat of Peat (L	mucky peat
Investigator #1: Cardes Ferms         Investigator #2: Jearna Locker         State:         Name           Soil Unit:         Depression         Local Relief: Conceve         Sample Point:         Wetland           Landform:         Depression         Local Relief: Conceve         Baum:         Community (b:           Are constantion, yorlogic conditions on the site typical for this time of year? (in cepsion nemask)         Par ornal arcmutatances present?         Township:           Are Vegatation         Soil Or Hydrology         Cardinary disturbance         Person         Par ornal arcmutatances present?         Township:           Mydrophylic Vegatation Present?         Ves         No         Hydrology Present?         Ves         Par ornal arcmutatances present?         Ves         Par o	0      NRCS Hydric	     Soil Field In 2 A1- Histosol A2 - Histic E _F A3 - Black Hi	     ndicators (check he pipedon istic	    	     ors are n	100      S8 - Polyv S9 - Thin F1 - Loam	    alue Belo Dark Surfa		      <u>Indicator</u> 	     s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm M	     matic Soils ¹ Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Prairie Redox (LRR ucky Peat of Peat (	49B) K, L, R)
Investigator #1: Charles Ferms       Investigator #2: Jeanna Lecter:       State:       Maine         Soil Unit:       Colton-Herron association, 5-15% slopes       W/W/W/W/Classification: PFO       Sample Point:       Wetland         Landform:       Depression       Local Relief:       Conneurity (b: -       Sample Point:       Wetland         Are elematicity/drologic conditions on the site typical for this time of year?       Are normal circumstances present?       Section:        Township:          Are Vegetation       Soil       Or Hydrology       Daturally problematic?       Are normal circumstances present?       Range:        Township:          Wetland Hydrology Present?       Yes       No       Hydrology Present?       Yes       Pros       Remarks: <b>1POROLOGY</b> Wetland Hydrology Present?       Yes       No       Hydrology Indicators (Check here if indicators are not present       ):       Eacodato:       Bio: Natare Soil Cracks       Bio: Natare Soil Cracks       Bio: Orainage Patterns       Bio: Natare Soil Cracks       B	0     NRCS Hydric	    : Soil Field In A1- Histosol A2 - Histic Ep	     ndicators (check he	    	      ors are n	100      sot presen S8 - Polyv S9 - Thin	    t □ value Belov Dark Surfa		     Indicator	      s for Proble A10 - 2 cm   A16 - Coast	      matic Soils ¹ Muck (LERK, L, MLRA 14 Prairie Redox (LRR	49B) K, L, R)
Investigator #1: Charles Ferris       Investigator #2: Jeans Lacketz       State:       Maine         Soil Unit:       Depression       Scatcher-Hermon association, 5-15% slopes       NV/WWI Classification:       PC         Solid Unit:       Depression       Landform:       Depression       Sample Point:       Wetland         Are oblighted       Scation:       -       Commulty (D: -       -       Commulty (D: -       -         Are vegetation       Soil       Ort Hydrology       Charles the state t	0      NRCS Hydric	     : Soil Field In	       	    	    ors are n	100       ot presen	    t	            	       <u>Indicator</u>	       s for Proble	      matic Soils ¹	mucky peat        
Investigator #1: Charles Ferris       Investigator #2: Jeans Lecter:       State:       Maine         Soil Unit:       Depression       Scolon-Hermon association, 5-15% slopes       N/W/WVI Classification: PFO       Weitand         Songle 7(bit:       Depression       Local Relief: Conceve       Datum: =       Community D:         Are Unalisition of the site typical for this time of year? (in: prepare remark)       @ Yes       No       Section: =       Torm typication of the site typical for this time of year? (in: prepare remark)       @ Yes       No       Section: =       Torm typication of the site typical for this time of year? (in: prepare remark)       @ Yes       No       Section: =       Torm typication of the site typicati	0       	    	       	    	       	100        	    	       	       	       	      	mucky peat        
Investigator #1: Charles Feria         Investigator #2: Jeans Lecter:         State:         Maine           Soil Unit:         Colon-Hermon association, 5-1% slopes         N/W/WVI Classification: PFO         Sample Point: Wetland           Landform:         Depression         Local Relief: Concave         Datum: Community D:         Community D:           Are Unitability for Opic conditions on the site typical for this time of year? if an explain remark)         Pts:         No         Section:         Community D:           Are Vagetation	    	    	    	   	    	100     	   	       		     	      	mucky peat        
Investigator #1: Charles Ferris       Investigator #2: Jeanna Leder:       State:       Wetland ID:         Soil Unit:       Oction-Hermon association, 5-15% slope       No       Wetland ID:       Sample Forit:       Wetland ID:         Landform:       Depression       Local Relief: Concave       Datum: ~       Community ID: ~       Sample Forit:       Wetland ID:         Are climaticity/dologic conditions on the site typical for this time of year?       Inter organian remeasa)       Yes       No       Sector: ~       ~         Are Vegetation       Soil Or Hydrology       Caturally problematic?       Yes       No       Sector: ~       ~       Towaship: ~       ~         SUMMARY OF FINDINGS       Hydrology Indicators (Check here if indicators are not present       Is This Sampling Point Within A Wetland?       Yes       Yes       No       Is This Sampling Point Within A Wetland?       Yes       Yes       Yes       No       Is This Sampling Point Within A Wetland?       Yes       Yes       Yes       No       Is This Sampling Point Within A Wetland?       Yes       Ye	0   		  	  	   	100    	  	  	   	   	   	mucky peat    
Investigator #1: Charles Ferris       Investigator #2: Jeanna Lederc       State:       Weter         Soil Unit:       Octorn-Hermon association, 51:5% slope       NWUWWI Classification: PFO       Sertie:       Wetland ID: Wit13         Landform:       Depression       Local Relief: Concave       Datum:       Community ID:       Sample Frain:       Wetland ID: Wetland         Are climatic/hydrologic conditions on the site typical for this time of year? (if no. explain in remarks)       Yes       No       Section:        Formunity ID:       Formunity ID: <td>0  </td> <td></td> <td></td> <td> </td> <td>  </td> <td>100   </td> <td> </td> <td></td> <td>  </td> <td>  </td> <td>  </td> <td>mucky peat   </td>	0  			 	  	100   	 		  	  	  	mucky peat   
Investigator #1: Charts Fernis       Investigator #2: Jeans Lecter       State:       Maine         Soil Unit:       Depression       State:       Maine         Stape (%):       0-5       Lantform:       Depression       State:       Maine         Stape (%):       0-5       Latitude:       Longitude:       Datum:       Section:          Are climatic/hydrologic conditions on the site typical for this time of year? (rev. optain internances)       Yes       No       Section:          Are vegetation ], Soil    or Hydrology       Chifficantly disturbed?       Are normal circumstances present?       Township:         Range:        Dir.       -         SUMMARY OF HIVDINOS       Wetland Hydrology Vegetation Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yes       Yes         Hydrophytic Vegetation Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yes       Yes         Wetland Hydrology Indicators (Check here if indicators are not present       [):       Secondary       Bits - Hard Deposits       Bit	0  					100  			  			mucky peat  
Investigator #1: Chaine Ferris       Investigator #2: Jeana Lederc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WVI Classification: PFO       Wetland Dr. W113         Landform:       Depression       Latitude:       Longlude:       Datum:       Community U:         Are climati/hydrologic conditions on the site typical for this time of year? I'ren, explain in remarks)       Yes       No       Section:          Are vegetation [, Soil ] or Hydrology       Chinter Merrine of year? I'ren, explain in remarks)       Yes       No       Section:        Dir.          SUMMARY OF FINDINS       Hydrology Indicators (Check here if indicators are not present?       Yes       No       Hydrology Indicators (Check here if indicators are not present       I'rent Stained Leaves       Bio - Drainage Patterns         Wetland Hydrology Indicators (Check here if indicators are not present       I'rent Stained Leaves       Bio - Drainage Patterns       Bio - Nainge Patterns         A : subration       Bio - Hydrology Indicators (Check here if Indicators are not present       I'rent Stained Leaves       Bio - Nainge Patterns         Bio - Mast Hydrology Indicators (Check here if indicators are not present       I'rent Stained Leaves       Bio - Nainge Patterns       Bio - Nainge Patterns         Bi - Agai Marco (Check here if indicators are not present <td< td=""><td>0</td><td></td><td></td><td></td><td></td><td>100 </td><td></td><td></td><td></td><td></td><td></td><td>mucky peat</td></td<>	0					100 						mucky peat
Investigator #1: Charles Ferris       Investigator #2: Jearna Lederc       State:       Maine         Soil Unit:       Colon-Hermon association, 515% slopes       NW/WWI Classification: PFO       Wetland ID:: Y113         Sample Point:       Depression       Local Relief: Concave       Datum: -       Community ID::          Are climatic/hydrologic conditions on the site typical for this time of year? (arre explain innerants)       Yes       No       Section::          Are Vegetation I, Soil Ort Hydrology       Chitrahly disturbed?       Are normal circumstances present?       Township::          SUMMARY OF FINDINGS       Hydrologity Vegetation Present?       Yes       No       Hydrologity Vegetation?       Yes       Dir.         Wetland Hydrology Vegetation Present?       Yes       No       Hydrologity Vegetation?       Yes       Present?       Yes       Present?       Yes       Present?       Yes       No       Hydrologity Vegetation?       Yes       Present?       Present?       <	0					100						mucky peat
Investigator #1: Charles Ferris       Investigator #2: Jeana Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWIWWI Classification: PFO       Wetland ID:: W113         Singe (%):       0-5       Latitude:       Local Relief: Concave       Datum:         Are climatic/hydrologic conditions on the site typical for this time of year?       I're explaint immarks:       Yes       No         Are climatic/hydrologic conditions       Soil Or Hydrology       Charlently disturbed?       Are normal circumstances present?       Township:          Are Vegetation I, Soil Or Hydrology       Charlently disturbed?       Are normal circumstances present?       Township:          SUMMARY OF FINDINGS       Hydrology Present?       Yes       No       Hydrology Provide State Soil Cracks       Bris Sampling Point Within A Wetland?       Yes       Yes         Wetland Hydrology Indicators (Check here if indicators are not present	· · · · ·		1		1	1				~ .		
Investigator #1: Charles Ferris       Investigator #2: Jeana Lederc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI.WII Classification: PFO       Wetland ID::       Investigator #1': Charles' ID::       Investip::       Investigator #1': Charles' ID:: <td></td> <td></td> <td></td> <td></td> <td></td> <td>1/0</td> <td></td> <td>Color (Moiot)</td> <td>0/</td> <td></td> <td></td> <td>(and clay cond loom)</td>						1/0		Color (Moiot)	0/			(and clay cond loom)
Investigator #1: Challes Ferris       Investigator #2: Jeana Loderc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       WWWI Classification: PFO       Sample Point:       Wattand ID:       IV       I			Horizon	Color /		0/				Turne	Loostion	rexture
Investigator #1: Chates Ferris       Investigator #2: Jeana Lederc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Sample Point:       Depression       Local Relief: Concave       Datum:       Community ID:         Are Climatic/hydrologic conditions on the site typical for this time of yea? (time.explain in remarks)       Yes       No       Section:         Are Vegetation [, Soil ] or Hydrology       Chatcarty (time.explain in remarks)       Yes       No       Range:       Dir: -         SUMMARY OF FINDINGS			the depth needed to document the indi	cator or confirm the a		ators.) (Type: C=C	Concentration, D	Depletion, RM=Reduced Matrix, CS=Cove		Location: PL=Pore L	ining, M=Matrix)	Touture
Investigator #1: Chates Ferris       Investigator #2: Jeana Lederc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NW/WWI Classification: PFO       Wetland ID:       Witia         Slope (%):       0-5       Latitude:       Local Relief: Concave       Datum:       Community ID:         Are climatic/hydrologic conditions on the site typical for the site typical for the site typical for the site typical for every firm everyterin memarks)       Yes       No       Section:          Are Vegetation  , Soil   or Hydrology       Quinficantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation  , Soil   or Hydrology       Quinficantly disturbed?       Yes       No       Hydrology Present?       Yes       Dir:       -         SUMMARY OF FINDINGS       Yes       No       Hydrology Present?       Yes       Ves												
Investigator #1: Contantes Ferris       Investigator #2: Jeana Lecter       State:       Waine         Soil Unit:       Cotton-Hermon association, 5-15% slopes       NWIWWI Classification: PFO       Sample Point:       Wetland ID:       Wit13         Landform:       Depression       Local Relief: Concave       Datum:       Community ID:          Are climatic/pdrologic conditions on the site byoical for this time of year? (rino, explain in remarks)       Yes       No       Section:          Are Vegetation       , Soil       Or Hydrology       Quintributed?       Are normal circumstances present?       Township:          Yedepation       , Soil       Or Hydrology       Datur: year       Yes       No       Range:        Dir:       -         SUMMARY OF FINDINGS												
Investigator #1: Charles Ferris       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Sample Point:       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Datum:       Section:           Are climatic/hydrologic conditions on the site typical for this time of year? (trice, explain in remarks)       @ Yes       No       Section:         Range:	Remarks:											
Investigator #1: Charles Ferris       Investigator #2: Jeana Lelerc       State:       Mane         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WI Classification: PFO       Sample Point: Wetland ID: W113         Landform:       Depression       Local Relief: Concave       Datum:       Sample Point: Wetland ID: W113         Slope (%):       0-5       Latitude:       Local Relief: Concave       Datum:       Section:          Are climatic/hydrologic conditions on the site typical for this time of year? (if no, explain in remarks)       ? Yes       No       Section:          Are Vegetation       Soil Or Hydrology       Clinificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       Soil Or Hydrology       Claurally problematic?       ? Yes       No       Is This Sampling Point Within A Wetland?       ? Yes         SUMMARY OF FINDINGS       ************************************	Describe Recor	ded Data (stre	eam gauge, monitorir	ig well, aeria	al photos.	previous	inspectio	ns), if available:		N/A		
Investigator #1: Charles Ferris       Investigator #2: Jeana Lelerc       State:       Mane         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WU Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Datum:       Sample Point: Wetland         Slope (%):       0-5       Latitude:       Local Relief: Concave       Datum:       Section:          Are climatic/hydrologic conditions on the site typical for this time of year? (# no. explain in remarks)       ? Yes       No       Section:          Are Vegetation       Soil Or Hydrology       Chainficantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       Soil Or Hydrology       Chainficantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       Soil Or Hydrology       Chainficantly disturbed?       Yes       No       Is This Sampling Point Within A Wetland?       Yes         SUMMARY OF FINDINGS       ////////////////////////////////////	Saturation Pres	sent?	🗹 Yes 🛛 No	Depth:	0	(in.)						
Investigator #1: Charles Ferris       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWIWWI Classification: PFO       Sample Point:       Wetland ID:       Wetland         Soil Unit:       Depression       Local Relief: Concave       Datum:       Section:          Are climatic/hydrologic conditions on the site typical for this time of year? (tr.e, explain in remarks)       Yes       No       Section:          Are Vegetation       Soil       Or Hydrology       Quificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       Soil       Or Hydrology       Quificantly disturbed?       Are normal circumstances present?       Range:        Disturbed?       Present?       Range:        Disturbed?       Yes       No       Is This Sampling Point Within A Wetland?	Water Table P	resent?	✓ Yes □ No			. ,			wettand Hyd	arology Pr	esent?	
Investigator #1: Charles Ferris       Investigator #2: Jeana Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NW/WWI Classification: PFO       Vetland I       Sample Point:       Wetland         Slope (%):       0-5       Latitude:       Local Relief Concave       Datum:       Community ID:       Sample Point:       Wetland         Are climatic/hydrologic conditions on the site typical for this time of year? (if no, explain in remarks)       I Yes       No       Section:        Range:        Range			🗆 Yes 🗹 No	Depth:		(in.)			Wetlend U.			
Investigator #1: Charles Ferris       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WVI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Sample Point:       Wetland ID:       Witland ID:       Maine       Witland ID:       Witland ID:       Witland ID:       Maine       Witland ID:       Maine       Maine       Maine       Maine       Maine       Maine       Mitland ID:       Witland ID:       Witland ID:       Maine       Maine       Maine       Mitland ID:       Witland ID:       Maine       Wetland ID:       Witland ID:       Maine       Maine       Maine       Maine </td <td>Field Observa</td> <td>tions:</td> <td></td>	Field Observa	tions:										
Investigator #1: Charles Ferris       Investigator #2: Jeana Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Sample Point:       Wetland ID:       Wetland         Slope (%):       0-5       Latitude:       Longitude:       Datum:       Section:          Are climatic/hydrologic conditions on the site typical for this time of year? (if no. explain in remarks)       If Yes       No       Section:          Are Vegetation       , Soil       Or Hydrology       Capificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation I, Soil       Or Hydrology       Capificantly disturbed?       Are normal circumstances present?       Township:          SUMMARY OF FINDINCS       Yes       No       Hydric Soils Present?       Yes       Vers       Yes         Hydrology Indicators (Check here if indicators are not present       D):       Immark       Secondary:       Secondary:       Yes       Yes       Yes       Immarks         Metland Hydrology Indicators (Check here if indicators are not present       D):       Immarks       Bris - Ara Sutration       B10 - Drainage		ы во - Sparsely	y vegetated Concave S	unace								
Investigator #1: Charles Feris       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Sample Point:       Wetland ID:       W113         Slope (%):       0-5       Latitude:       Longitude:       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (tro, explain in remarks)       I Yes       No       Section:          Are Vegetation       , Soil       Or Hydrology       Quiticantly disturbed?       Are normal circumstances present?       Township:          SUMMARY OF FINDINGS						Other (Ex	plain in Re	marks)				
Investigator #1: Charles Ferris       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Sample Point:       Wetland         Slope (%):       0-5       Latitude:       Longitude:       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (frino, explain in remarks)       Yes       No       Section:          Are Vegetation       , Soil       Or Hydrology       Quinficantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       Or Hydrology       Quinticantly orbelematic?       Yes       No       Range:        Present?       Township:          SUMMARY OF FINDINGS        Range:        Yes       No       Is This Sampling Point Within A Wetland?       Yes       Yes       Yes         Wetland Hydrology Indicators (Check here if indicators are not present       D):        Primary:       B9 - Water-Stained Leaves       B6 - Surface Soil Cracks       B10 - Drainage Patterns         A1 - Surface Water       B9 - Wat		B5 - Iron Dep	oosits			C7 - Thin	Muck Surf	ace			D2 - Geomorphic	Position
Investigator #1: Charles Ferris       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Datum:       Community ID:          Soil Unit:       Colton-Hermon association, 5-15% slopes       Local Relief: Concave       Datum:       Community ID:          Soil Conditions on the site typical for this time of year? (thro, explain in remarks)       If yes       No       Section:          Are vegetation       , Soil       or Hydrology       Cpinificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       or Hydrology       Chaitrabe       Investigator #1: Ownship:          SUMMARY OF FINDINGS												
Investigator #1: Charles Ferris       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Datum:       Community ID:          Slope (%):       0-5       Latitude:       Longitude:       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       If Yes       No       Section:          Are Vegetation       , Soil       Or Hydrology       Quintificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       Or Hydrology       Quintificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       Or Hydrology       Quintificantly disturbed?       Yes       No       Range:        Dir:       -         SUMMARY OF FINDINGS		B2 - Sedimer	nt Deposits			C3 - Oxidi	zed Rhizo	spheres on Living Roots			C8 - Crayfish Burr	OWS
Investigator #1: Charles Ferris       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Sample Point:       Wetland         Slope (%):       0-5       Latitude:       Longitude:       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Yes       No       Section:          Are Vegetation, SoilOr Hydrology       Confinitently disturbed?       Are normal circumstances present?       Township:          Are Vegetation, SoilOr Hydrology       Confinitently disturbed?       Are normal circumstances present?       Township:          Are Vegetation, SoilOr Hydrology       Caturally problematic?       Yes       No       Hydrophytic Vegetation Present?       Township:          Hydrophytic Vegetation Present?       Yes       No       Hydric Soils Present?       Yes					_			de Odor				
Investigator #1: Charles Ferris       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Sample Point:       Wetland         Slope (%):       0-5       Latitude:       Longitude:       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (if no, explain in remarks)       If yes       No       Section:          Are Vegetation       , Soil       Or Hydrology       Unificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       Or Hydrology       Latitude:       Investigator #2       Yes       No       Range:        Dir:       -         SUMMARY OF FINDINGS       Investigator #2       Yes       No       Is This Sampling Point Within A Wetland?       Yes       Investigator #2       Investigator #2       Investigator #2       Investigator #2       Y		5						3				
Investigator #1: Charles Ferris       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Sample Point:       Wetland         Slope (%):       0-5       Latitude:       Longitude:       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (It no, explain in remarks)       Image:       Yes       No       Section:          Are Vegetation [], Soil [] or Hydrology       Image:       Image:        Dir:          SUMMARY OF FINDINGS       Image:       Image:       Yes       No       Netland Pydrology Present?       Yes       Image:       Image:       Yes       Image:       <		A1 - Surface									B6 - Surface Soil (	Cracks
Investigator #1: Charles Ferris       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Sample Point:       Wetland         Slope (%):       0-5       Latitude:       Longitude:       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no. explain in remarks)       If Yes       No       Section:          Are Vegetation       , Soil       Or Hydrology       Qpificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       Or Hydrology       Qaturally problematic?       Yes       No       Range:        Dir:       -         SUMMARY OF FINDINCS	-		ators (Check here if	indicators	are not p	present	□):			Secondary		
Investigator #1: Charles Ferris       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Sample Point:       Wetland         Slope (%):       0-5       Latitude:       Longitude:       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (It no, explain in remarks)       Image: Point:       Wetland         Are Vegetation [], Soil [] or Hydrology       Qpinificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation [], Soil [] or Hydrology       Quaturally problematic?       Image: Point:       Pare Point:												
Investigator #1:       Charles Ferris       Investigator #2:       Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Sample Point:       Wetland         Slope (%):       0-5       Latitude:       Longitude:       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Yes       No       Section:          Are Vegetation       , Soil       Or Hydrology       Qpinificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       Or Hydrology       Quaturally problematic?       Yes       No       Range:        Dir:       -         SUMMARY OF FINDINGS       Yes       No       Hydric Soils Present?       Yes       Yes <td></td>												
Investigator #1:       Charles Ferris       Investigator #2:       Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Sample Point:       Wetland         Slope (%):       0-5       Latitude:       Longitude:       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Yes       No       Section:          Are Vegetation       , Soil       Or Hydrology       Or Hydrology       Or Hydrology       Township:          Are Vegetation       , Soil       Or Hydrology       Caturally problematic?       Yes       No       Range:        Dir:         SUMMARY OF FINDINGS       Urgetation Present?       Yes       No       Hydro Soils Present?       Yes       Yes       Yes       Yes		logy i looon	•		100	110				ing ronne i		
Investigator #1:       Charles Ferris       Investigator #2:       Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Sample Point:       Wetland         Slope (%):       0-5       Latitude:       Longitude:       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       If Yes       No       Section:          Are Vegetation       , Soil       Or Hydrology       Initicantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       Or Hydrology       Inturally problematic?       If Yes       No       Range:          SUMMARY OF FINDINGS       Gradie       Intervention       Intervention       Intervention       Intervention       Intervention       Intervention       Intervention											Within A Wetland	
Investigator #1:       Charles Ferris       Investigator #2:       Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Sample Point:       Wetland         Slope (%):       0-5       Latitude:       Longitude:       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       If Yes       No       Section:          Are Vegetation       , Soil       Or Hydrology       Infricantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       Or Hydrology       Inturally problematic?       If Yes       No       Range:			cont?		Vec				Hydric Soile	Procont?		
Investigator #1:       Charles Ferris       Investigator #2:       Jeanna Leclerc       State:       Maine         Soil Unit:       Colton-Hermon association, 5-15% slopes       NWI/WWI Classification: PFO       Wetland ID:       W113         Landform:       Depression       Local Relief: Concave       Sample Point:       Wetland         Slope (%):       0-5       Latitude:       Longitude:       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Yes       No       Section:          Are Vegetation       , Soil       Or Hydrology       Onificantly disturbed?       Are normal circumstances present?       Township:			or Hydrology Date	Irally proble	ematic?			Yes	□No		Range:	Dir:
Investigator #1:     Charles Ferris     Investigator #2:     Jeanna Leclerc     State:     Maine       Soil Unit:     Colton-Hermon association, 5-15% slopes     NWI/WWI Classification: PFO     Wetland ID:     W113       Landform:     Depression     Local Relief: Concave     Sample Point:     Wetland       Slope (%):     0-5     Latitude:     Longitude:     Datum:     Community ID:						· · ·		Are normal circumsta	ances present	?	1	
Investigator #1:     Charles Ferris     Investigator #2:     Jeanna Leclerc     State:     Maine       Soil Unit:     Colton-Hermon association, 5-15% slopes     NWI/WWI Classification:     PFO     Wetland ID:     W113       Landform:     Depression     Local Relief:     Concave     Sample Point:     Wetland				vical for this			o, explain in	remarks)				
Investigator #1:         Charles Ferris         Investigator #2:         Jeanna Leclerc         State:         Maine           Soil Unit:         Colton-Hermon association, 5-15% slopes         NWI/WWI Classification: PFO         Wetland ID:         W113							Concav	<del>U</del>	Datum.			
Investigator #1: Charles Ferris Investigator #2: Jeanna Leclerc State: Maine			· · · · · · · · · · · · · · · · · · ·	15% slopes					PFO			
						gator #2:						
	Soil Unit:	First Wind						- ··· · · · · · · · · · · · · · · · · ·			County:	
Project/Site: Weaver Wind Project Stantec Project #: 195600884 Date: 08/26/14	Applicant: Investigator #1 Soil Unit:	Weaver Wind	d Proiect					Stantec Project #:	195600884		Date:	08/26/14



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project				Wetland ID: W113 Sample Point Wetland
VEGETATION	(Species identified in all uppercase are no	n-native specie	s.)		
Tree Stratum (Plo	ot size: 10 meter radius)				
	Species Name	<u>% Cove</u>	er Dominant	Ind.Status	Dominance Test Worksheet
1.	Thuja occidentalis	50	Y	FACW	
2.	Pinus strobus	15	N	FAC	Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)
3.	Tsuga canadensis	10	N	FAC	
4.	Betula alleghaniensis	5	N	FAC	Total Number of Dominant Species Across All Strata: 2 (B)
5.	Picea rubens	5	Ν	FACU	
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					$OBL \text{ spp.} \qquad 0 \qquad x \ 1 = 0$
10.	Total C				FACW spp. 55 $x 2 = 110$
					FAC spp. 75 $x 3 = 225$
Conling/Chruh Ctr	(Dist size) E motor radius)				FAC spp.       75       X $3 =$ 225         FACU spp.       5       X $4 =$ 20
	atum (Plot size: 5 meter radius) Tsuga canadensis	40	Y	FAC	$\begin{array}{ccc} FACU \text{ spp.} & 5 & x \text{ 4} = & 20 \\ \text{UPL spp.} & 0 & x \text{ 5} = & 0 \end{array}$
1.	•				UPL spp X $5 = $
2.	Thuja occidentalis	5	N	FACW	
3.	Betula alleghaniensis	5	N	FAC	Total <u>135</u> (A) <u>355</u> (B)
4.					
5.					Prevalence Index = B/A = 2.630
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes I No Rapid Test for Hydrophytic Vegetation
10.					Yes I No Dominance Test is > 50%
	Total C	over = 50			✓ Yes ✓ No Prevalence Index is ≤ 3.0 *
					Yes No Morphological Adaptations (Explain) *
Herb Stratum (Plo	t size: 2 meter radius)				☐ Yes ☑ No Problem Hydrophytic Vegetation (Explain) *
1.					
2.					* Indicators of hydric soil and wetland hydrology must be
3.					present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
<u> </u>					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
<u> </u>					tall.
-					
11.					Herb - All herbaceous (non-woody) plants, regardless of size, and
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.					
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total C	over = 0			
Woody Vine Strate	um (Plot size: 10 meter radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present Ves D No
4.					
5.					
	Total C				
Remarks:	i otal Ci				
Nelliains.					

#### Additional Remarks:

Tsuga canadensis and Pinus strobus growing on mounds or on top of rocks and reassinged FAC rating for this plot. No vegegation present in herbacous layer.



#### WETLAND DETERMINATION DATA FORM Northeast and Northcentral Region

Are Vegetation	Colonel-Brayte Backslope 0-2 drologic conc 0, Soil 0, 0 5, Soil 0, 0 FINDINGS getation Present	DIN-Dixfield association, 1- Latitude: Latitude: litions on the site typ or Hydrology □sigr or Hydrology □natu sent?	NR bical for this bificantly dis urally proble	stony Loc <u>L</u> s time of sturbed?	s ⊡ No	NV Linear NR p, explain in	VI/WWI Classification:	Datum:	No t? Present?	Date: County: State: Wetland ID: Sample Point: Community ID: Section: Township: Range: Within A Wetland	07/18/14 Hancock Maine W148 Upland    Dir: Dir: No No Yes ☑ No
	A1 - Surface A2 - High Wa A3 - Saturatie B1 - Water M B2 - Sedimer B3 - Drift Der B4 - Algal Ma B5 - Iron Dep B7 - Inundati B8 - Sparsely	ater Table on Marks nt Deposits posits at or Crust	gery	•	B9 - Wate B13 - Aqu B15 - Mar C1 - Hydr C3 - Oxid C4 - Pres C6 - Rece C7 - Thin	er-Stained latic Fauna I Deposits ogen Sulfi ized Rhizc ence of R ent Iron Re Muck Sur	a de Odor spheres on Living Roots aduced Iron duction in Tilled Soils ace			B6 - Surface Soil ( B10 - Drainage Pa B16 - Moss Trim L C2 - Dry-Season V C8 - Crayfish Burr C9 - Saturation Vis D1 - Stunted or St D2 - Geomorphic D3 - Shallow Aquit D4 - Microtopogra D5 - FAC-Neutral	atterns Lines Water Table ows sible on Aerial Imagery ressed Plants Position tard phic Relief
	Present? esent? eent? ded Data (stre	Yes ☑ No ♀Yes ☑ No ♀Yes ▣ No eam gauge, monitorin	-	6	(in.) (in.) (in.) , previous	inspectio	ns), if available:	Wetland Hyd	drology Pr N/A	esent?	Yes 🗆 No
Remarks:	Heavy rain	for the provinue 2 d									
SOILS	-	for the previous 3 d	-								
Profile Descrip	otion (Describe to		-		ators.) (Type: C=0	Concentration, D	=Depletion, RM=Reduced Matrix, CS=Cow		; Location: PL=Pore I	ining, M=Matrix)	Touture
Profile Descrip Top	otion (Describe to Bottom	the depth needed to document the indi	cator or confirm the a	Matrix	-	Concentration, D		Mottles	1	I	Texture
Profile Descrip Top Depth	Describe to Bottom Depth	the depth needed to document the indi	cator or confirm the a	Matrix Moist)	%		Color (Moist)	Mottles %	Туре	Location	(e.g. clay, sand, loam)
Profile Descrip Top Depth 2	Dtion (Describe to Bottom Depth 0	the depth needed to document the indi Horizon 1	cator or confirm the a Color (I	Matrix Moist) NR	%		Color (Moist)	Mottles % 	Туре	Location 	(e.g. clay, sand, loam) hemic organic
Profile Descrip Top Depth 2 0	Deption (Describe to Bottom Depth 0 2	the depth needed to document the indi Horizon 1 2	cator or confirm the a Color (I  10YR	Matrix Moist) NR 5/1.5	%  100		Color (Moist)	Mottles %	Туре	Location	(e.g. clay, sand, loam) hemic organic sand
Profile Descrip Top Depth 2	Dtion (Describe to Bottom Depth 0	the depth needed to document the indi Horizon 1	Color (I Color (I  10YR 7.5YR	Matrix Moist) NR 5/1.5 3/4	%		Color (Moist)	Mottles %  	Type  	Location  	(e.g. clay, sand, loam) hemic organic sand sandy loam
Profile Descrip Top Depth 2 0 2	Depth Depth 0 2 6	the depth needed to document the indi Horizon 1 2 3	cator or confirm the a Color (I  10YR	Matrix Moist) NR 5/1.5	%  100 100		Color (Moist)   	Mottles %   	Type  	Location   	(e.g. clay, sand, loam) hemic organic sand
Profile Descrip Top Depth 2 0 2 6	Deption (Describe to 1) Bottom Depth 0 2 6 11	the depth needed to document the indi Horizon 1 2 3 4	cator or confirm the a Color (I  10YR 7.5YR 10YR	Matrix Moist) NR 5/1.5 3/4 3/3	%  100 100 100	  	Color (Moist)    	Mottles           %	Type    	Location    	(e.g. clay, sand, loam) hemic organic sand sandy loam sandy loam
Profile Descrip Top Depth 2 0 2 6 	btion (Describe to Bottom Depth 0 2 6 11  	the depth needed to document the indi Horizon 1 2 3 4  	cator or confirm the a Color (I  10YR 7.5YR 10YR 	Matrix Moist) NR 5/1.5 3/4 3/3 	%  100 100 100 	     	Color (Moist)         	Mottles           %	Type       	Location      	(e.g. clay, sand, loam) hemic organic sand sandy loam sandy loam 
Profile Descrip Top Depth 2 0    NRCS Hydric 0 0 0 0 0 0 0 0 0 0 0 0 0	btion (Describe to Depth 0 2 6 11   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifice A1 - Deplett A1 - Deplett A1 - Deplett A1 - Stratifice S1 - Sandy M S4 - Sandy C S5 - Sandy R S6 - Stripped	the depth needed to document the indi Horizon 1 2 3 4 dicators (check he bipedon istic en Sulfide 1 Layers ed Below Dark Surface Dark Surface Muck Mineral Bielyed Matrix Redox	cator or confirm the a Color (I  10YR 7.5YR 10YR   	Matrix           Moist)           NR           5/1.5           3/4           3/3                    ors are r           □           □           □	%              100           100           100                                                                                                           S9 - Thin           F2 - Loan           F3 - Deple	            	Color (Moist)	Mottles %	Type <td< th=""><th>Location     </th><th>(e.g. clay, sand, loam) hemic organic sand sandy loam   49B) K, L, R) LRR K, L, R) LRR K, L, R) (LRR K, L, R) S (MLRA 149B) 45, 149B) ace</th></td<>	Location     	(e.g. clay, sand, loam) hemic organic sand sandy loam   49B) K, L, R) LRR K, L, R) LRR K, L, R) (LRR K, L, R) S (MLRA 149B) 45, 149B) ace
Profile Descrip Top Depth 2 0    NRCS Hydric 0 0 0 0 0 0 0 0 0 0 0 0 0	btion (Describe to Depth 0 2 6 11   Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifice A1 - Deplett A1 - Deplett A1 - Deplett A1 - Stratifice S1 - Sandy M S4 - Sandy C S5 - Sandy R S6 - Stripped	the depth needed to document the indi Horizon 1 2 3 4 dicators (check he bipedon istic en Sulfide 1 Layers ed Below Dark Surface Dark Surface Muck Mineral Bieyed Matrix Redox I Matrix Irface (LRR R, MLRA 149B)	cator or confirm the a Color (I  10YR 7.5YR 10YR   	Matrix           Moist)           NR           5/1.5           3/4           3/3                    ors are r           0           0           0           0	%              100           100                                                                                                              S9 - Thin           F1 - Loan           F3 - Deply           F6 - Redc           F8 - Redc	            	Color (Moist)	Mottles %	Type	Location matic Soils ¹ Muck (LRR K, L, MLRA 14 Prairie Redox (LRR LCKy Peat of Peat (LUTface (LRR K, L, M) ue Below Surface (LRR K, L, M) ue Below Surface (LRR K, L, M) tanganese Masses ont Floodplain Soils Spodic (MLRA 144, 14 Parent Material Shallow Dark Surfa in in Remarks) tion and wetland hydrology m	(e.g. clay, sand, loam) hemic organic sand sandy loam   49B) K, L, R) LRR K, L, R) LRR K, L, R) (LRR K, L, R) S (MLRA 149B) 45, 149B) ace



Northeast and Northcentral Region

					Wetland ID: W148 Sample Point Upland
1					
VEGETATION	(Species identified in all uppercase are ne	on-native spec	ies.)		
Tree Stratum (Plo	ot size: 10 meter radius)				
	<u>Species Name</u>		ver Dominant		Dominance Test Worksheet
1.	Pinus strobus	3		FACU	
2.	Picea rubens	2		FACU	Number of Dominant Species that are OBL, FACW, or FAC: 0 (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: 0.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 X 1 = 0
	Total C	Cover = 60	)		FACW spp. 0 $x 2 = 0$
					FAC spp. 0 $x 3 = 0$
	atum (Plot size: 5 meter radius)				FACU spp. $150$ X 4 = $600$
1.	Picea rubens	7		FACU	UPL spp. 0 X 5 = 0
2.	Pinus strobus	1!		FACU	
3.					Total <u>150</u> (A) <u>600</u> (B)
4.		-			
5.					Prevalence Index = B/A = 4.000
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes I No Rapid Test for Hydrophytic Vegetation
10.					☐ Yes
	Total C	Cover = 90	)		Yes
					☐ Yes  INo Morphological Adaptations (Explain) *
Herb Stratum (Plo	t size: 2 meter radius)				☐ Yes ☑ No Problem Hydrophytic Vegetation (Explain) *
1.					
2.					<ul> <li>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>
3.					present, unless disturbed of problematic.
4.					Definitions of Vegetation Strata:
5.					, , , , , , , , , , , , , , , , , , ,
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.					tall.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and
13.		-			woody plants less than 3.28 ft. tall.
14.		-			
14.					Woody Vines - All woody vines greater than 3.28 ft. in height.
10.	 Total C				
	1 otal C				
Woody Vine Start	um (Plot cizo: 10 motor radius)				
	um (Plot size: 10 meter radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present D Yes V No
4.		-			
5.					
		Cover = 0			
Remarks:	No herb layer under dense canopy				



Drojoot/Sitor	10/	d Davis et					Stantas Draiget #	105600994		Doto	07/40/44
Project/Site: Applicant:	Weaver Wind First Wind	a Project					Stantec Project #:	195600884		Date: County:	07/18/14
Investigator #1:				Investi	igator #2:	loanna l	oclore			State:	Hancock Maine
Soil Unit:		on-Dixfield association, 1-	8% slone v v		igator #2.		VI/WWI Classification:	PFM		Wetland ID:	W148
Landform:	Backslope		070 30000, 1.		al Relief:					Sample Point:	Wetland
Slope (%):	1-8%	Latitude:	44.747038		ongitude:		7	Datum:		Community ID:	Trought and
		ditions on the site typ						□ Yes ☑	No	Section:	
		or Hydrology					Are normal circumsta	ances present	?	Township:	
		or Hydrology Dnatu					Yes	□No		Range:	Dir:
SUMMARY OF		, ,,	, i							<u> </u>	
Hydrophytic Ve	getation Pres	sent?		☑ Yes	🗆 🗆 No			Hydric Soils I	Present?		🗹 Yes 🔲 No
Wetland Hydrol	logy Present	?		Yes	🗆 No			Is This Samp	ling Point \	Within A Wetland	d? 🛛 Yes 🖣 No
Remarks:											
HYDROLOGY											
Wetland Hydr	ology Indica	ators (Check here if	indicators	are not p	oresent	□ ):					
Primary						_ ,			Secondary:		
	A1 - Surface			_	B9 - Wate					B6 - Surface Soil (	
Image: Second	A2 - High Wa A3 - Saturation									B10 - Drainage Pa B16 - Moss Trim L	
					C1 - Hydr					C2 - Dry-Season \	
							spheres on Living Roots			C8 - Crayfish Burr	
							educed Iron				sible on Aerial Imagery
	5				C6 - Rece C7 - Thin		duction in Tilled Soils			D1 - Stunted or St	
		on Visible on Aerial Ima	aerv							D2 - Geomorphic D3 - Shallow Aquit	
		y Vegetated Concave S		U			(indite)			D4 - Microtopogra	
										D5 - FAC-Neutral	Test
Field Observat	tions:										
Surface Water	Present?	🗹 Yes 🔲 No	Depth:	6	(in.)			Watland Uv	drology Dr	acont?	
Water Table Pr	esent?	🗹 Yes 🛛 No	Depth:	0	(in.)			Wetland Hyd	arology Pr	esent?	Yes 🗆 No
Saturation Pres	sent?	🗹 Yes 🛛 No	Depth:	0	(in.)						
Describe Record	ded Data (str	eam gauge, monitorir	ig well, aeria	al photos.	, previous	inspectio	ns), if available:		N/A		
Remarks:		s for previous 3 days					•				
SOILS											
Profile Descrip	otion (Describe to	the depth needed to document the indi	cator or confirm the a	absence of indica	ators.) (Type: C=C	Concentration, D	=Depletion, RM=Reduced Matrix, CS=Cove	ered/Coated Sand Grains;	Location: PL=Pore L	ining, M=Matrix)	
Тор	Bottom			Matrix				Mottles		r	Texture
Depth	Depth	Horizon	Color (	Moist)	%		Color (Moist)	%	Туре	Location	(e.g. clay, sand, loam)
6	2	1		NR							peat
2	0	2		NR							peaty muck
0	2	3	5Y	2.5/1	100						mucky loam
2	9	4	2.5Y	6/1	100						sand
		ndicators (check he	re if indicat				/			matic Soils ¹	
							W Surface (LRR R, MLRA 149B)			Muck (LRR K, L, MLRA 14	
	A2 - Histic E A3 - Black Hi						ACE (LRR R, MLRA 149B) Mineral (LRR K, L)			Prairie Redox (LRR ucky Peat of Peat (L	
				H						UCKY PEALOI PEAL (L UIFACE (LRR K, L, M)	LNN N, L, K)
	A5 - Stratified	d Layers			F3 - Deple					ue Below Surface	LRR K, L)
		ed Below Dark Surface			F6 - Redo				S9 - Thin Da	ark Surface (LRR K, L)	
	1 A40 Thick I	Dark Surface			F7 - Deple					langanese Masses	
		Augk Minoral			F8 - Redo	ix Depress	0015			ont Floodplain Soil	
	S1 - Sandy N							1.1	I AG - Mesic	Spodic (MI PA 144A 14	45 149B)
	S1 - Sandy N S4 - Sandy G	Bleyed Matrix		_						Spodic (MLRA 144A, 14 Parent Material	45, 149B)
	S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped	Gleyed Matrix Redox I Matrix							TF2 - Red P TF12 - Very	arent Material Shallow Dark Surfa	
	S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped	Bleyed Matrix Redox		_					TF2 - Red P TF12 - Very Other (Expla	arent Material Shallow Dark Surfa ain in Remarks)	ace
	S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped	Gleyed Matrix Redox I Matrix						1 Indicators o	TF2 - Red P TF12 - Very Other (Expla	arent Material Shallow Dark Surfa	ace
Restrictive Layer	S1 - Sandy M S4 - Sandy G S5 - Sandy F S6 - Stripped S7 - Dark Su	Gleyed Matrix Redox I Matrix		Depth:	9 in.			1 Indicators o	TF2 - Red F TF12 - Very Other (Expla f hydrophytic vegeta problematic.	Parent Material Shallow Dark Surfa ain in Remarks) ation and wetland hydrology m	ace
	S1 - Sandy M S4 - Sandy G S5 - Sandy F S6 - Stripped S7 - Dark Su	Gleyed Matrix Redox I Matrix Irface (LRR R, MLRA 149B)		Depth:	9 in.			¹ Indicators o disturbed on	TF2 - Red F TF12 - Very Other (Expla f hydrophytic vegeta problematic.	Parent Material Shallow Dark Surfa ain in Remarks) ation and wetland hydrology m	ACE



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project					Wetland ID: W148 Sample Point Wetland
VEGETATION	(Species identified in all upperca	se are non-native	species.)	)		
Tree Stratum (Plo	ot size: 10 meter radius)					
4	Species Name	-	% Cover	-	Ind.Status	Dominance Test Worksheet
1.						
2.						Number of Dominant Species that are OBL, FACW, or FAC: <u>3</u> (A)
3.						Tetel Number of Deminent Consist Assess All Charter 2 (P)
<u>4.</u> 5.						Total Number of Dominant Species Across All Strata: 3 (B)
<u> </u>						Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.						Percent of Dominant Species that Are OBL, PACW, of PAC. 100.076 (AVD)
8.						Prevalence Index Worksheet
9.						Total % Cover of: Multiply by:
10.						OBL spp. 95 $x 1 = 95$
10.		Total Cover =	0			FACW spp. 7 $x 2 = 14$
			Ŭ			FAC spp. $5$ X 3 = $15$
Sanling/Shrub Str	atum (Plot size: 5 meter radius)					FACU spp 0 x 4 =
1.	Acer rubrum		5	Y	FAC	UPL spp $x = 0$
2.	Spiraea tomentosa		5	Ŷ	FACW	· · · · · · · · · · · · · · · · · · ·
3.	Spiraea alba		2	Ň	FACW	Total 107 (A) 124 (B)
4.						、/
5.						Prevalence Index = B/A = 1.159
6.						
7.						
8.						Hydrophytic Vegetation Indicators:
9.						☐ Yes
10.						✓ Yes
		Total Cover =	12			✓ Yes □ No Prevalence Index is ≤ 3.0 *
						Yes I No Morphological Adaptations (Explain) *
Herb Stratum (Plo	t size: 2 meter radius)					Yes I No Problem Hydrophytic Vegetation (Explain) *
1.	Scirpus cyperinus		75	Y	OBL	* Indicators of hydric soil and watland hydrology must be
2.	Carex echinata		5	N	OBL	<ul> <li>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>
3.	Carex stipata		5	N	OBL	
4.	Hypericum fraseri		5	N	OBL	Definitions of Vegetation Strata:
5.	Carex trisperma		5	N	OBL	
6						Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.						height (DBH), regardless of height.
8.						
9.						Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.						
11.						
12.						Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.						
14.						Manute Miner All woody vince granter than 2,00 ft in brints
15.		<b>T</b> / 10				Woody Vines - All woody vines greater than 3.28 ft. in height.
		Total Cover =	95			
	um (Plot size: 10 meter radius)					
1.						
2.						
3.						Hydrophytic Vegetation Present <ul><li>Yes</li><li>No</li></ul>
<u>4.</u> 5.						
э.		Total Cover =	0			
Remarks:			U			
Nemarks.						

#### Additional Remarks:

Standing dead trees, approximately 2% cover.



Project/Site:	Weaver Win	d Project					Stantec Project #:	195600884		Date:	07/11/14
Applicant:	First Wind							100000001		County:	Aroostook
Investigator #1:		ISON		Investi	igator #2:	Jeanna L	eclerc			State:	Maine
Soil Unit:		ham Association, 0-3% sl	ope, ex, stony		J		VI/WWI Classification:	Upland		Wetland ID:	W168
Landform:	Footslope				al Relief:					Sample Point:	Upland
Slope (%):	0-3%	Latitude:	44.747928	L	ongitude:	-68.1827	88	Datum:		Community ID:	
Are climatic/hyd	drologic cond	ditions on the site typ	oical for this	s time of	year? (If no	o, explain in	remarks)	🗹 Yes 🛛	No	Section:	
Are Vegetation	□, Soil □,	or Hydrology 🛛 sigr	nificantly dis	sturbed?			Are normal circumsta	ances present	?	Township:	
Are Vegetation	$\Box$ , Soil $\Box$ ,	or Hydrology	urally proble	ematic?			Yes	□No		Range:	Dir:
SUMMARY OF	FINDINGS										
Hydrophytic Ve				🗌 Yes				Hydric Soils			🗆 Yes 🗹 No
Wetland Hydrol	ogy Present	?		🗆 Yes	🗹 No			Is This Samp	ling Point \	Within A Wetlan	d? 🔲 Yes 🗹 No
Remarks:											
HYDROLOGY											
		ators (Check here if	indicators	are not p	present	☑):					
Primary	A1 - Surface	Water		_	B9 - Wate	r Ctainad			Secondary:	B6 - Surface Soil	Crocks
	A1 - Sunace A2 - High Wa				B13 - Aqu					B10 - Drainage Pa	
	A3 - Saturati	on			B15 - Mar	I Deposits				B16 - Moss Trim I	Lines
	B1 - Water M									C2 - Dry-Season	
	B2 - Sedimer B3 - Drift De						spheres on Living Roots educed Iron			C8 - Crayfish Burr	ows sible on Aerial Imagery
	B4 - Algal Ma			H			duction in Tilled Soils			D1 - Stunted or St	
	B5 - Iron Dep	posits			C7 - Thin	Muck Surf	ace			D2 - Geomorphic	
		on Visible on Aerial Ima			Other (Exp	plain in Re	emarks)			D3 - Shallow Aqui	
	B8 - Sparser	y Vegetated Concave S	urrace							D4 - Microtopogra D5 - FAC-Neutral	
Field Observat	ione									20 1710 1104114	1001
Surface Water		🗆 Yes 🔽 No	Denth		(in )						
Water Table Pr		□ Yes ☑ No □ Yes ☑ No	Depth: Depth:		(in.) (in.)			Wetland Hyd	drology Pr	esent?	Yes 🗹 No
Saturation Pres		□ Yes ☑ No	Depth:		(in.) (in.)						
					( )	inonactio	na) if availables		N/A		
	ied Data (str	eam gauge, monitorir	ig well, aena	ai priotos,	previous	Inspectio	ns), il avallable:		IN/A		
Remarks:											
SOILS											
	tion out	ale a devale second of an electronic state in the	and an an an all stars that a	hanna af india	····· ) (Times 0 (0	Descention D	=Depletion, RM=Reduced Matrix, CS=Cov		Lassilari Di Davi I	Intern M. Materia	
Top	Bottom	the depth needed to document the indi	cator or confirm the a	Matrix	itors.) (Type: C=C	oncentration, D	=Depietion, RM=Reduced Matrix, CS=Cov	Mottles	Location: PL=Pore L	lining, w=watnx)	Texture
Depth	Depth	Horizon	Color (I		%		Color (Moist)	%	Туре	Location	(e.g. clay, sand, loam)
0	2	1	7.5YR	2.5/2	100						sandy loam
2	12	2	2.5YR	4/6	100						sandy loam
NRCS Hydric		ndicators (check he	re if indicate	ors are r			/			matic Soils ¹	
							W Surface (LRR R, MLRA 149B)			MUCK (LRR K, L, MLRA 1	
							ACE (LRR R, MLRA 149B) Mineral (LRR K, L)			Prairie Redox (LRR ucky Peat of Peat (	
	A3 - Black H A4 - Hydroge				F1 - Loan					UCKY PEALOI PEAL () UFFACE (LRR K, L, M)	LNN N, L, K)
	A5 - Stratifie	d Layers			F3 - Deple	eted Matrix	<			ue Below Surface (	LRR K, L)
	= = = = = = = = = = = = = = = = =	ed Below Dark Surface			F6 - Redo					ark Surface (LRR к, L)	
					F7 - Deple F8 - Redo					langanese Masses iont Floodplain Soil	
	,				10 - Nedo	v Dehiess		_		Spodic (MLRA 144A, 14	
	S5 - Sandy F								TF2 - Red P	Parent Material	
										Shallow Dark Surf	ace
	S7 - Dark Su	IFFACE (LRR R, MLRA 149B)								ain in Remarks) ation and wetland hydrology r	nust be present, unless
									r problematic.		,
Restrictive Layer (If Observed)	Type:	NR		Depth:	12 in.			Hydric Soil I	Present?		Yes 🗹 No
(											
Remarks:											



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project					Wetland ID: W168 Sample Point Uplan
EGETATION	(Species identified in all upperc	ase are non-native	species.)			
Tree Stratum (Pl	ot size: 10 meter radius)		~ ~			Dominance Test Worksheet
1.	<u>Species Name</u> Picea rubens		<u>% Cover</u> 50	Dominant Y	Ind.Status FACU	Dominance rest worksneet
2.	Pinus strobus		30	Y	FACU	Number of Dominant Species that are OBL, FACW, or FAC: 0 (A)
3.	Abies balsamea		10	N	FAC	
4.						Total Number of Dominant Species Across All Strata: 3 (B)
5.						
6.						Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.						
8.						Prevalence Index Worksheet
9.						Total % Cover of: <u>Multiply by:</u>
10.						$OBL spp. \qquad 0 \qquad x \ 1 = 0$
		Total Cover =	90			FACW spp. 0 $x^2 = 0$
						FAC spp. 11 X $3 = 33$
Sapling/Shrub Str	atum (Plot size: 5 meter radius)					FACU spp. 85 $x 4 = 340$
1.	Picea rubens		5	Y	FACU	$\frac{1}{\text{UPL spp.}}  0 \qquad \text{X 5} = 0$
2.						
3.						Total <u>96</u> (A) <u>373</u> (B)
4.						
5.						Prevalence Index = B/A = 3.885
6.						
7.						
8.						Hydrophytic Vegetation Indicators:
9.						Yes I No Rapid Test for Hydrophytic Vegetation
10.						Yes
		Total Cover =	5			☐ Yes
						—Yes ☑ No Morphological Adaptations (Explain) *
Herb Stratum (Ple	ot size: 2 meter radius)					Yes I No Problem Hydrophytic Vegetation (Explain) *
1.	Abies balsamea		1	N	FAC	* Indiactors of hydric soil and watland hydrology must be
2.						<ul> <li>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</li> </ul>
3.						• • •
4.						Definitions of Vegetation Strata:
5.						
6						Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.						height (DBH), regardless of height.
8.						
9.						Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft. tall.
10.						
11.						
12.						Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.						·····, -····
14.						
15.						Woody Vines - All woody vines greater than 3.28 ft. in height.
		Total Cover =	1			
	tum (Plot size: 10 meter radius)					
1.						
2.						
3.						Hydrophytic Vegetation Present D Yes D No
4.						
5.		<b>T</b> : 10				
		Total Cover =	0			
Remarks:	Herb stratum cover was les					



Are Vegetation	Brayton-Peach Footslope 0-3% drologic cond 0, Soil 0, 0 FINDINGS getation Pres	son Latitude: Latitude: litions on the site typ or Hydrology	44.748051 bical for this	Loc Loc time of sturbed?	s 🗆 No	NV Concav -68.1828 p, explain in	VI/WWI Classification: e 4	Datum: Yes ances present No Hydric Soils	No i? Present?	Date: County: State: Wetland ID: Sample Point: Community ID: Section: Township: Range: Within A Wetland	07/09/14 Hancock Maine W168 Wetland    Dir: Dir: No 2 Yes No No
	A1 - Surface A2 - High Wa A3 - Saturatic B1 - Water M B2 - Sedimer B3 - Drift Dep B4 - Algal Ma B5 - Iron Dep B7 - Inundati B8 - Sparsely	ater Table on larks nt Deposits posits tt or Crust	gery		B9 - Wate B13 - Aqu B15 - Mar C1 - Hydr C3 - Oxidi C4 - Press C6 - Rece C7 - Thin	er-Stained latic Faun l Deposits ogen Sulfi ized Rhizc ence of R ent Iron Re Muck Sur	a de Odor spheres on Living Roots educed Iron sduction in Tilled Soils face			B6 - Surface Soil B10 - Drainage P2 B16 - Moss Trim I C2 - Dry-Season N C8 - Crayfish Burr C9 - Saturation Vi D1 - Stunted or St D2 - Geomorphic D3 - Shallow Aqui D4 - Microtopogra D5 - FAC-Neutral	atterns .ines Water Table ows sible on Aerial Imagery ressed Plants Position tard phic Relief
Field Observat Surface Water I Water Table Pri Saturation Pres Describe Record Remarks:	Present? esent? ent?	☐ Yes ☑ No ☐ Yes ☑ No ☑ Yes ☐ No eam gauge, monitorin	Depth: Depth: Depth: ng well, aeria	0	(in.) (in.) (in.) , previous	inspectic	ns), if available:	Wetland Hyd	drology Pr	esent? 🖸	Yes 🗆 No
SOILS	tion										
		he depth needed to document the indi	cator or confirm the a		ators.) (Type: C=C	Concentration, D	=Depletion, RM=Reduced Matrix, CS=Cov		Location: PL=Pore L	ining, M=Matrix)	-
Тор	Bottom										
	Denth	L La viena v	O al a a (l	Matrix	0/			Mottles	<b>T</b>	Leveller	Texture
Depth	Depth	Horizon	Color (I	Moist)	%		Color (Moist)	%	Туре	Location	(e.g. clay, sand, loam)
Depth 18	0	1	10YR	Moist) 2/1	100		Color (Moist)	%			(e.g. clay, sand, loam) peaty muck
Depth 18 0	0 2	1 2	10YR 10YR	Voist) 2/1 5/1	100 95		Color (Moist)	%  			(e.g. clay, sand, loam) peaty muck sandy loam
Depth 18 0 	0 2	1 2 	10YR 10YR 	Voist) 2/1 5/1 	100 95 		Color (Moist)	%   		  	(e.g. clay, sand, loam) peaty muck sandy loam 
Depth 18 0  	0 2  	1 2  	10YR 10YR  	Voist) 2/1 5/1 	100 95  	  	Color (Moist)	%   	  	  	(e.g. clay, sand, loam) peaty muck sandy loam  
Depth 18 0   	0 2  	1 2  	10YR 10YR   	Moist) 2/1 5/1  	100 95   	   	Color (Moist)	%    	   	   	(e.g. clay, sand, loam) peaty muck sandy loam   
Depth 18 0     	0 2   	1 2    	10YR 10YR    	Moist) 2/1 5/1   	100 95    	    	Color (Moist)	%     	    	    	(e.g. clay, sand, loam) peaty muck sandy loam     
Depth 18 0     	0 2    	1 2    	10YR 10YR     	Moist) 2/1 5/1    	100 95     	     	Color (Moist)         	%       	     	    	(e.g. clay, sand, loam) peaty muck sandy loam     
Depth 18 0    NRCS Hydric □ □	0 2     Soil Field In A1- Histosol A2 - Histic Er A3 - Black Hi A4 - Hydrogg A5 - Stratified A1 - Deplete A12 - Thick I S1 - Sandy M S4 - Sandy R S4 - Sandy R S5 - Sandy R	1 2     dicators (check he bipedon stic n Sulfide 4 Layers d Below Dark Surface bark Surface luck Mineral leyed Matrix edox	10YR 10YR       	Moist)         2/1           5/1                            ors are r	100 95    S8 - Polyo S9 - Thin F1 - Loam F3 - Deple F6 - Redo F6 - Redo		Color (Moist)	%	            	    	(e.g. clay, sand, loam) peaty muck sandy loam          -
Depth 18 0 NRCS Hydric	0 2    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifiec A11 - Deplete A5 - Stratifiec A11 - Deplete A12 - Thick I S1 - Sandy M S4 - Sandy R S5 - Sandy R S6 - Stripped S7 - Dark Su	1 2      dicators (check he bipedon stic n Sulfide d Layers ad Below Dark Surface Dark Surface luck Mineral bileyed Matrix edox Matrix	10YR 10YR       	Moist)         2/1           5/1                    ors are r                0rs are r <td>100 95    S8 - Polyo S9 - Thin F1 - Loam F3 - Deple F6 - Redo F6 - Redo</td> <td></td> <td>Color (Moist)</td> <td>%                                                                                                                                                                <t< td=""><td>            </td><td></td><td>(e.g. clay, sand, loam) peaty muck sandy loam          -</td></t<></td>	100 95    S8 - Polyo S9 - Thin F1 - Loam F3 - Deple F6 - Redo F6 - Redo		Color (Moist)	% <t< td=""><td>            </td><td></td><td>(e.g. clay, sand, loam) peaty muck sandy loam          -</td></t<>	            		(e.g. clay, sand, loam) peaty muck sandy loam          -
Depth 18 0 NRCS Hydric	0 2     Soil Field In A1- Histosol A2 - Histic Er A3 - Black Hi A4 - Hydrogg A5 - Stratified A1 - Deplete A12 - Thick I S1 - Sandy M S4 - Sandy R S4 - Sandy R S5 - Sandy R	1 2      dicators (check he bipedon stic n Sulfide d Layers ad Below Dark Surface Dark Surface luck Mineral bileyed Matrix edox Matrix	10YR 10YR       	Moist)         2/1           5/1	100 95    S8 - Polyo S9 - Thin F1 - Loam F3 - Deple F6 - Redo F6 - Redo		Color (Moist)	%	            		(e.g. clay, sand, loam) peaty muck sandy loam          -



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project				Wetland ID: W168 Sample Point Wetland
VEGETATION	(Species identified in all uppercase are non-r	native species.)			
Tree Stratum (Pl	ot size: 10 meter radius)				Deminence Test Werkehest
1.	<u>Species Name</u> Thuja occidentalis	<u>% Cover</u> 30	Dominant Y	Ind.Status FACW	Dominance Test Worksheet
2.	Abies balsamea	20	Y	FAC	Number of Dominant Species that are OPL EACIN/ or EAC: $3$ (A)
3.	Ables balsarilea Acer rubrum	10	N	FAC	Number of Dominant Species that are OBL, FACW, or FAC: <u>3</u> (A)
4.	Betula alleghaniensis	10	N	FAC	Total Number of Dominant Species Across All Strata: 3 (B)
5.	Picea rubens	10	N	FACU	
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					$OBL spp. _ 0 _ x 1 = _ 0$
10.	Total Cov				FACW spp. 30 $x^{2} = 60$
					FAC spp. $51$ X $3 = 153$
Sanling/Shrub Str	atum (Plot size: 5 meter radius)				FACU spp. 10 $x 4 = 40$
1.	Abies balsamea	10	Y	FAC	UPL spp. 0 $x 5 = 0$
2.					
3.					Total 91 (A) 253 (B)
4.					
5.					Prevalence Index = B/A = 2.780
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes V No Rapid Test for Hydrophytic Vegetation
10.					✓ Yes
10.	Total Cov				
	Total Cov				
Harb Stratum (Dk	ot size: 2 meter radius)				
1.	Acer rubrum	1	N	FAC	☐ Yes  ☑ No   Problem Hydrophytic Vegetation (Explain) *
2.					* Indicators of hydric soil and wetland hydrology must be
3.					present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.					tall.
11.					
11.					Herb - All herbaceous (non-woody) plants, regardless of size, and
13.					woody plants less than 3.28 ft. tall.
13.					
14.					Woody Vines - All woody vines greater than 3.28 ft. in height.
15.	 Total Cov				noody miles
	Total Cov				
Woody Vine Street	um (Plot size: 10 meter radius)				
1.	um (Plot size: 10 meter radius)				
2.					
3.					Hydrophytic Vegetation Present <ul> <li>Yes</li> <li>No</li> </ul>
4.					
5.	 Total Cov				
Pomorko	Total Cov Herb stratum cover was less than 5 pe		not incl	udad in th	
Remarks:	Herb stratum cover was less than 5 pe	ercent so was	S NOT INCI	uded in th	



Applicant:       First Wind Investigator #1: Michael Johnson       Investigator #2: Jeanna Lederc       County::       Hancock State:       Name         Soil Unit:       Brayon-Coordet association, gently sloping, v. story Landform:       Tail       Local Relief: Linear       State::       Mame         Soil Unit:       Brayon-Coordet association, gently sloping, v. story Landform:       Local Relief: Linear       State::       Mame         Are vicination:       Soil :       0-8%       Latitude: 44.7389C       Local Relief: Linear       Sortion:          Are Vegetation       Soil :       or Hydrology indicativ disturbed?       Are normal circumstances present?       Township:          Are Vegetation       Soil :       or Hydrology indicativ disturbed?       Are normal circumstances present?       Township:          SUMMARY OF FINDINOS       Hydrology Indicators (Check here if indicators are not present :       ):       Escondary:       B6 - Surface Soil Cracks       B6 - Surface Soil Cracks         B10 - Drainage Patterns       B13 - Aquatic Fauna       B10 - Drainage Patterns       B10 - Drainage Patterns       B10 - Drainage Patterns       B10 - Drainage Patterns       B10 - Soil act Patterns       B10 - Soil act Patterns       B10 - Drainage Patterns       B10 - Soil act Patterns       B10 - Drainage Patterns       B10 - Drainage Patterns       B10 - Drainage	Depth 0 4    NRCS Hydric	4 8         	1 2       	10YR 10YR      	2/2 5/4    ors are r	100 100            	      tr  value Belor Dark Surfa ny Mucky N y Gleyed eted Matrix w Dark Su to Dark	Color (Moist)	Mottles %	            		(e.g. clay, sand, loam) sandy loam        -
Applicant:         Free Wind         Country:         Hunced           Soil Unit:         Seyton-Corder decoding, party space starting of the starting of	Depth 0 4    NRCS Hydric	4 8    Soil Field Ir A1- Histosol A2 - Histic E ₁ A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy M S4 - Sandy R S5 - Stripped	1 2       	10YR 10YR      	2/2 5/4    ors are r	100 100             -	      tr  value Belor Dark Surfa ny Mucky N y Gleyed eted Matrix w Dark Su to Dark	Color (Moist)	Mottles %	            		(e.g. clay, sand, loam) sandy loam          -
Applicative       First Wide       Country:       First Wide       Country:       First Wide         Soil Unit:       Beyeen Count associates, gray spray, s. stry       Lock Reliable:       Weiland ID:       Weiland ID: <td< td=""><td>Depth 0 4    NRCS Hydric</td><td>4 8    Soil Field Ir A1- Histosol A2 - Histic E₁ A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy M S4 - Sandy R S5 - Stripped</td><td>1 2       </td><td>10YR 10YR      </td><td>2/2 5/4    ors are r</td><td>100 100             -</td><td>      tr  value Belor Dark Surfa ny Mucky N y Gleyed eted Matrix w Dark Su to Dark</td><td>Color (Moist)</td><td>Mottles %</td><td>    s for Proble A10 - 2 cm 1 A16 - Coast S3 - 5cm Mi S7 - Dark S S8 - Polyval S9 - Thin Da S9 - Thin Da S9 - Thin Da S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red P TF12 - Very Other (Expla</td><td></td><td>(e.g. clay, sand, loam) sandy loam          -</td></td<>	Depth 0 4    NRCS Hydric	4 8    Soil Field Ir A1- Histosol A2 - Histic E ₁ A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A12 - Thick I S1 - Sandy M S4 - Sandy R S5 - Stripped	1 2       	10YR 10YR      	2/2 5/4    ors are r	100 100             -	      tr  value Belor Dark Surfa ny Mucky N y Gleyed eted Matrix w Dark Su to Dark	Color (Moist)	Mottles %	    s for Proble A10 - 2 cm 1 A16 - Coast S3 - 5cm Mi S7 - Dark S S8 - Polyval S9 - Thin Da S9 - Thin Da S9 - Thin Da S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red P TF12 - Very Other (Expla		(e.g. clay, sand, loam) sandy loam          -
Applicant:         First Wind         Country:         Hancost           Soil Unit:         Breyner-Coroll association, goal yange, yo tony         NW/WWW (Classification: Upland         Wetland ID:	Depth 0 4    NRCS Hydric	4 8         	1 2            	10YR 10YR      	2/2 5/4    ors are r	100 100             -	      tr  value Belor Dark Surfa ny Mucky N y Gleyed eted Matrix w Dark Su to Dark	Color (Moist)	Mottles %	            		(e.g. clay, sand, loam) sandy loam        -
Applicant:       First Wide       County:       Hencook         Soil Unit:       ReviewScool association, gent Weeks v. story       NW/WWI Classification:       Upland       Weeks wide         Soil Unit:       ReviewScool association, gent Weeks v. story       MW/WWI Classification:       Upland       Weeks wide         Sign (N):       0.95%       Laitludge: 46.73897       Longludge: 58.77255       Datum:       Community (b         Are Vegetation:       1. Soil _ or Hydrology       Egetificantly disturately problemate?       Are normal circumstances present?       Towaling: +-       Towaling: +-       Towaling: +-         Weeland My/Wor Finances       _ Soil _ or Hydrology       Egetificant /-       Yes:       No       Hydric Sails Present?       Yes:       No         Weeland Hydrology Midicators (Check here il indicators are not present:       ):       _       _       Yes:       No         Weeland Hydrology Midicators (Check here il indicators are not present:       ):       _       _       _       Yes:       No         Bitte:       Soinfors Soil Cracks       _       _       Yes:       No       _       _       _       _       _       _       Yes:       No         Weeland Hydrology Midicators (Check here il indicators are not present flactor flactors in thint Bitte Soine	Depth 0 4    NRCS Hydric	4 8         	1 2            	10YR 10YR     	2/2 5/4    ors are r	100 100             -	      tr  value Belor Dark Surfa ny Mucky N y Gleyed eted Matrix w Dark Su to Dark	Color (Moist)	Mottles %	     s for Proble A10 - 2 cm   A16 - Coast S3 - 5 cm Mi S3 - 5 cm Mi S3 - 5 cm Mi S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic		(e.g. clay, sand, loam) sandy loam          -
Applicant:       First Wind Investigator #2: Jeans Locker       County:       Hancock         Soil Unit:       Beyror Conder association, genty bistry, v. sarry Longitude: (dl.27125)       Watand Dir.       Watand Dir.       Community (Dir.         Sign (Gl.)       0-8%.       Latitude: 44.73867       Longitude: (dl.27125)       Datum: Community (Dir.       Community (Dir.         Are Unable/holdpoing:       Originficantly distructed?       Are normal circuinstances present?       Torrectly: Rare (anable/holdpoing)       Torrectly: Rare (anable/holdpoing) Holdpoing/bio Vegatation Present?       Yes       No       No       Torrectly: Rare (anable/holdpoing) Hold NMAN OF FINDINGS         YUG20040Y       Meann?       Yes       No       Hydric Soils Present?       Yes       No         YUG20040Y       Meann?       Yes       No       Hydric Soils Present?       Yes       No         YUG20040Y       Meann?       Yes       No       Hydric Soils Present?       Yes       No         YUG20040Y       Meann?       Yes       No       Hydric Soils Cracks	Depth 0 4    NRCS Hydric	4 8    Soil Field Ir A1- Histosol A2 - Histic E ₁ A3 - Black H A4 - Hydroge A5 - Stratifie A11 - Deplett A12 - Thick I S1 - Sandy M	1 2     ndicators (check he pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Juck Mineral	10YR 10YR     	2/2 5/4    ors are r	100 100             -	      tr  value Belor Dark Surfa ny Mucky N y Gleyed eted Matrix w Dark Su to Dark	Color (Moist)	Mottles %	    <u></u> <u></u> <u></u> <u>s for Proble</u> A10 - 2 cm 1 A16 - Coast S3 - 5cm Mi S7 - Dark S S8 - Polyval S9 - Thin Da S9 - Thin Da F12 - Iron-M F12 - Piedm		(e.g. clay, sand, loam) sandy loam          -
Application:       First Wind Westigator #2: Jeans Locier:       County::       Hancook Westigator #2: Jeans Locier:       County::       Hancook Westigator #2: Jeans Locier:       Soli Unit::       Begin Coordinatescation, park yeers v. stary Westigator #2: Jeans Locier:       Westigator #2: Jeans Locier:	Depth 0 4    NRCS Hydric	4 8    Soil Field Ir A1- Histosol A2 - Histic E _I A3 - Black HI A4 - Hydrogg A5 - Stratifier A11 - Deplete A12 - Thick I	1 2      ndicators (check he pipedon istic an Sulfide d Layers ed Below Dark Surface Dark Surface	10YR 10YR     	2/2 5/4     ors are r	100 100             -	      tr  value Belor Dark Surfa ny Mucky N y Gleyed eted Matrix w Dark Su to Dark	Color (Moist)	Mottles %	     s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mi S7 - Dark SI S8 - Polyval S9 - Thin Dz S9 - Thin Dz		(e.g. clay, sand, loam) sandy loam          -
Application:       First Wind       County:       Hancook         Soil Unit:       Baylow-Coold masculator, getry behing, v. any       NV/WWI Classification:       Upland       Wetland ID:       Witas         Soil Unit:       Baylow-Coold masculator, getry behing, v. any       NV/WWI Classification:       Upland       Wetland ID:       Witas         Slop (K):       0-8%.       Latitude:       44.73897       Longitude:       68.77255       Datum:       See chore:          Are Vegetation D:       Soil Unit:       Soil Unit:       Soil Unit:       Soil Unit:       Non-       Non-       Tomahin:        Tomahin:	Depth 0 4    NRCS Hydric	4 8    <b>Soil Field Ir</b> A1- Histosol A2 - Histic EI A3 - Black Hi A4 - Hydroge A5 - Stratified	1 2     ndicators (check he pipedon istic an Sulfide d Layers	10YR 10YR     	2/2 5/4    ors are r	100 100             -	    value Belor Dark Surfa ny Mucky N ny Gleyed	Color (Moist)	Mottles %                                                                                                                                    	     s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mt S3 - 5cm Mt S7 - Dark SI S8 - Polyval	     matic Soils ¹ Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Jucky Peat of Peat (L urface (LRR K, L, M) ue Below Surface (	(e.g. clay, sand, loam) sandy loam          -
Applicant       Fast Wird       Curty::       Hancek         Soil Unit:       Review Concertaints:       Upland       Wetward Last use:       We	Depth 0 4    NRCS Hydric	4 8    Soil Field Ir A1 - Histosol A2 - Histic E ₁ A3 - Black H A4 - Hydroge	1 2     ndicators (check he pipedon istic an Sulfide	10YR 10YR     	2/2 5/4    ors are r	100 100    S8 - Polyo S9 - Thin F1 - Loarr F2 - Loarr	    value Beloo Dark Surfa ny Mucky N	Color (Moist)	Mottles %                                                                                                                                      	    s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mi S3 - 5cm Mi	      Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Jocky Peat of Peat (L	(e.g. clay, sand, loam) sandy loam       
Applicatin:       First Wird       Contry::       Headed Jorden Association, Burger Spling, V. Harry       NV/I/WWW IClassification:       Upland       Weilend ID::       Wirden Jorden Association, Burger Spling, V. Harry       NV/I/WWW IClassification:       Upland       Weilend ID::       Wirden Jorden Association, Burger Spling, V. Harry       Local Relief: Linear       Burger Spling, V. Harry       Weilend ID::       Wirden Jorden Association, Burger Spling, V. Harry       Local Relief: Linear       Burger Spling, V. Harry       Weilend ID::       Wirden Jorden Association, Burger Spling, V. Harry       Weilend ID::       Weilend ID:: <td>Depth 0 4     NRCS Hydric</td> <td>4 8     <b>Soil Field Ir</b> A1- Histosol A2 - Histic E_I A3 - Black H</td> <td>1 2       ndicators (check he pipedon istic</td> <td>10YR 10YR     </td> <td>2/2 5/4     ors are r</td> <td>100 100    Sa - Polyo S9 - Thin F1 - Loam</td> <td>     value Belo Dark Surfa</td> <td>Color (Moist)</td> <td>Mottles %       Indicator □ □ □ □ □ □ □ □ □</td> <td>     s for Proble A10 - 2 cm J A16 - Coast S3 - 5cm M</td> <td> matic Soils ¹ Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Prairie Redox (LRR Loky Peat of Peat (LR)</td> <td>(e.g. clay, sand, loam) sandy loam      </td>	Depth 0 4     NRCS Hydric	4 8     <b>Soil Field Ir</b> A1- Histosol A2 - Histic E _I A3 - Black H	1 2       ndicators (check he pipedon istic	10YR 10YR     	2/2 5/4     ors are r	100 100    Sa - Polyo S9 - Thin F1 - Loam	     value Belo Dark Surfa	Color (Moist)	Mottles %       Indicator □ □ □ □ □ □ □ □ □	     s for Proble A10 - 2 cm J A16 - Coast S3 - 5cm M	matic Soils ¹ Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Prairie Redox (LRR Loky Peat of Peat (LR)	(e.g. clay, sand, loam) sandy loam      
Applicant       First Wird       County:       Humock         Soil Unit:       Brayse-Calent asscation, griny steps, v. story       NV/WWW Classification:       Upland         Slope (%):       0.4%       Latitude:       4739997       Local Relief: Uncar       Uncar         Slope (%):       0.4%       Latitude:       4739997       Local Relief: Uncar       Yes       Datum: -       Sande Fort         Slope (%):       0.4%       Latitude:       4739997       Local Relief: Uncar       Yes       Datum: -       Sander Fort       Townspic         Are Vegatation       Soil C or Hydrology       Instantial Sander Fort       Yes       No       Hydrolytic Vegatation Present?       Townspic       Townspi	Depth 0 4    NRCS Hydric	4 8     Soil Field Ir A1- Histosol	1 2         ndicators (check he	10YR 10YR     	2/2 5/4    ors are r	100 100      S8 - Polyo	    nt ☑ ralue Belov	Color (Moist)	Mottles %       	     s for Proble A10 - 2 cm l	     matic Soils ¹ Muck (LRR K, L, MLRA 1/2	(e.g. clay, sand, loam) sandy loam       
Applicant       First Wind       County:       Harcook         Soil Unit:       Bayten Colored association, apply slopping, v. story       NVIUWU (Classification: Upland       Wetland ID:       V195         Soil Unit:       Bayten Colored association, apply slopping, v. story       NVIUWU (Classification: Upland       Songle Proit:       Upland         Slope (%):       0-98%       Latitude:       47.38927       Longitude: 82.17225       Datum:       Communy ID:          Are Vegetation D:       oil of Hydrology - significantly disturbed?       Are normal circumstances present?       Townshpi::           SUMMARY OF INDINOS       Hydrology inductators (Check here if indicators are not present?       Yes       No       Hydrology inductators (Check here if indicators are not present?       Yes       No         Hydrology And Hydrology - Present?       Yes       No       Hydrology inductators (Check here if indicators are not present?       Songle Prosent?       Yes       No         Prostice Statistics       Hydrology inductators (Check here if indicators are not present?       Songle Prosent?       Yes       No         Prostice Statistics       Hydrology inductators (Check here if indicators are not present?       Songle Prostice Statistics       Hydrology inductators (Check here if indicators are not present?       Songle Prostice Statistics       Hydrology inductato	Depth 0 4     NRCS Hydric	4 8     Soil Field Ir	1 2     	10YR 10YR     	2/2 5/4     ors are r	100 100      not preser	     nt I	Color (Moist)	Mottles %         	      s for Proble	      matic Soils ¹	(e.g. clay, sand, loam) sandy loam       
Applicant:       First Wind Investigator #2: Jeanna Laclere       County:       Harcoock State         Soil Unit:       Breyen-Colored association, any sports, v. story       NVIWWU Classification:       Uplied         Soil Conf.       Conf.       Conf.       Sample Fibre       Sample Fibre       Sample Fibre         Are Clansific/Viologic confiltuation on the site byperformation on the site byperformation.       Soil Conf.	Depth 0 4      	4 8      	1 2     	10YR 10YR     	2/2 5/4      	100 100      	    	Color (Moist)	Mottles %         	         	     	(e.g. clay, sand, loam) sandy loam       
Applicant       First Wind       County:       Harcocok         Soil Unit:       Breven Cohend association, gmity steping, v. story       NWWWV Classification:       Uplied         Soil Unit:       Breven Cohend association, gmity steping, v. story       NWWWV Classification:       Uplied       Stepine Cohend association, gmity steping, v. story       NWWWV Classification:       Uplied       Stepine Cohend association, gmity steping, v. story       NWWWV Classification:       Uplied       Stepine Cohend association, gmity steping, v. story       NWWWV Classification:       Stepine Cohend association, gmity steping, v. story       NWWWV Classification:       Uplied       Stepine Cohend association, gmity steping, v. story       NWWWV Classification:       Stepine Cohend association, gmity steping, v. story       NWW Classification:       Note: Stepine Cohend association, gmity steping, v. story       NWW Classification:       Note: Stepine Cohend association, gmity steping, v. story       NWW Classification:       Note: Stepine Cohend association, gmity steping, v. story       NWW Classification:       Note: Stepine Cohend association, gmity steping, v. story       NWW Classification:       Note: Stepine Cohend association, gmity steping, v. story       NWW Classification:       Note: Stepine Cohend association, gmity steping, v. story       NWW Classification:       Note: Stepine Cohend association, gmity steping, v. story       NWW Classification:       Note: Stepine Cohend association, gmity steping, v. story       NWW Classification:       Note: Stepine Cohend asso	Depth 0 4     	4 8    	1 2    	10YR 10YR     	2/2 5/4    	100 100     	    	Color (Moist)	Mottles           %	     	      	(e.g. clay, sand, loam) sandy loam       
Applicant:       First Wind Investigator #2: Jearna Lederc       County:       Herecook Status         Soil Unit:       Rayson-Cound essociation, genty skeptig, v. story       NWUWWI Classification: Upland Stope (%):       Wetland ID:       Wetland ID:       Wetland ID:       Wetland ID:       Wetland ID:       Wetland ID:       Point Point:       Wolfs         Stope (%):       0.95%       Latitude:       42.7325       Datum:       Community (D:          Formathy:         Formathy:         Formathy:         Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:        Formathy:	Depth 0 4   	4 8  	1 2  	10YR 10YR   	2/2 5/4  	100 100   	  	Color (Moist)      	Mottles           %	   	   	(e.g. clay, sand, loam) sandy loam sandy loam   
Applicant:       First Wind Investigator #2. Jeanna Lederc       County:       Hexacoki Status:       County:       Hexacoki Wetland ID:       County:       Hexacoki Wetland ID:       Within A         Soil Unit:       Brayner-Calonal association, genty steping v. stary       No       Datum:	Depth 0 4  	4 8 	1 2  	10YR 10YR  	2/2 5/4 	100 100  	  	Color (Moist)    	Mottles           %	  	  	(e.g. clay, sand, loam) sandy loam sandy loam  
Applicant:       First Wind Investigator #2: Jeanna Lecter:       County:       Hancock Wetland UD:       County:       Hancock Wetland UD:       Wetland UD:       Wetlan	Depth 0 4 	4 8 	1 2 	10YR 10YR 	2/2 5/4 	100 100 		Color (Moist)  	Mottles %   			(e.g. clay, sand, loam) sandy loam sandy loam 
Applicant:       First Wind Investigator #2: Jeanna Lederc       County:       Hancock Investigator #2: Jeanna Lederc       State:       County:       Hancock Investigator #2: Jeanna Lederc         Soil Unit:       Breathor-Colonel association, entry steping, v: tory       NWIWWI Classification:       Upland         Soil Unit:       Breathor-Colonel association, entry steping, v: tory       Local Relief: Linear       Community ID:	Depth 0 4	4	1 2	10YR 10YR	2/2 5/4	100 100		Color (Moist)  	Mottles %  			(e.g. clay, sand, loam) sandy loam sandy loam
Applicant:       First Wind Investigator #2: Jeanna Letterc       Courty:       Hancock State:         Soil Unit:       Brytero-colored association, gently scipitig, v. story       NWIWWI Classification: Upland Sample Point:       Sample Point:       Upland Sample Point:       Upland Sample Point:       Sample Point:       Sample Point:       Sample Point:       Sample Point:       Upland Sample Point:       Sample Point:	Depth 0	4	1	10YR	2/2	100		Color (Moist)	Mottles % 			(e.g. clay, sand, loam) sandy loam
Applicant:       First Wind Investigator #1: Winds       County:       Hancock State:       County:       Hancock State:         Soil Unit:       Biston-Colorel association, gently sloping, v. stony       NW/WWI Classification: Upland Landform:       State:       Maine         Soil Unit:       Tail       Local Relief: Linear       Sample Point:       Upland         Soile (%):       0-5%       Latitude:       44.72892       Datum:         Are climatich/utrologic conditions on the site typical for this time of year? (if ro, explain inemarks)       Yes       No         Are Vegetation [, Soil ] or Hydrology [] naturally problematic?       Are normal circumstances present?       Township:         Are Vegetation [] Soil ] or Hydrology [] naturally problematic?       Yes       No       Hydrolynic Vegetation Present?       If reserves in the site typical for this time of year? (if ro, explain inemarks)         Hydrology Indicators (Check here if indicators are not present [] ):       If reserves in the site typical for	Depth				· · ·			Color (Moist)	Mottles %			(e.g. clay, sand, loam)
Applicant:       First Wind Investigator #1: Michael Johnson       Investigator #2: Jeanna Lederc       State:       Manee         Soli Unit:       Brayton-Colond association, gently sloping, v. story       NWIWWI Classification:       Upland       Sample Point:       Upland         Solio Unit:       Brayton-Colond association, gently sloping, v. story       NWIWWI Classification:       Upland       Wetland ID:       Witada ID:       Community ID:		Denth	Horizon	Color (I	Moist)	%			Mottles	Type	Location	
Applicant:       First Wind Investigator #1:       Manage Applicant:       County::       Hancock State:         Soil Unit:       Brayton-Colorel association, gently sloping, v. story Landform:       NWIWWI Classification:       Upland         Soil Unit:       Brayton-Colorel association, gently sloping, v. story Landform:       NWIWWI Classification:       Upland         Soile Unit:       Tail       Local Relief:       Innear         Are classification:       Soile (reliable)       Section:          Are Vegetation       Soil (reliable)           Are Vegetation       Soil (reliable)        Range:          Mydrology Indicators (Check here if indicators are not present?       Yes       No       Is This Sampling Point Within A Wetland?       •       Yes       No         Hydrology Indicators (Check here if indicators are not present       :       : </td <td></td> <td>Dollon</td> <td></td> <td></td> <td>WIGHTA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Texture</td>		Dollon			WIGHTA							Texture
Applicant:       First Wind Investigator #1: Michael Johnson       County:       Hancock State:       Make Wetland ID:       Water State:       Make Wetland IV; Wetland Hydrology Indicators (Check here if indicators are not present in remarks)       If we simple Point Within A Wetland?       Yes       No         HVDROLOGY       Wetland Hydrology Indicators (Check here if indicators are not present in remarks):       If weter Table       B13 - Aquatic Fauna B13 - Aquatic Fauna B14 - Water Marks B15 - Staterace Soil Cracks B15 - Staterace Soil Cracks B16 - Surface Water B17 - Indiade Water Table B18 - Water Marks B18 - Water Marks B19 - Drainage Patterns B19 - Point Wetland Wetland Patterns B19			the aepth needed to document the indi	cator or confirm the a		ators.) (Type: C=0	Joncentration, D	Depletion, KM=Reduced Matrix, CS=Cove	erea/Coated Sand Grains;	Location: PL=Pore L	.ining, M=Matrix)	
Applicant:       First Wind Investigator #1: Michael Johnson       Investigator #2: Jeanna Leclerc       State::       Maine Wetland ID:         Soil Unit:       Baryton-Colonel association, gently sloping, v. story       NWIWWWI Classification::       Upland       Sample Point:       Upland         Solip (N):       0-8%       Latitude:       44.738927       Longitude:       62.17225       Datum:       Community ID: -         Are climatic/hydrologic conditions on the site typical for this time of year? (trog explain in remarks)       Q Yes       No       Section:          Are Vegetation [, Soil ], or Hydrology       Instantival problematic?       Are normal circumstances present?       Township:          Are Vegetation [, Soil ], or Hydrology       Inaturally problematic?       Yes       No       Range:       -       Dir         SUMMARY OF FINDINGS       Yes       No       Kisthiand Point Within A Wetland?       Yes       No         Hydrology Indicators (Check here if indicators are not present?       Yes       No       Is This Sampling Point Within A Wetland?       Yes       No         Methand Hydrology Indicators (Check here if indicators are not present []       ):       Secondary:       Bit - Dranage Patterns       <		ntion (number	the depth peopled to descent # 1.1	optor or op-firm 4	beenee -f !- ·"	otoro ) (Trans Car	Concontration	Depletion DM Dark and Matrix 00.0	ared/Conted C C'	Loootion: DL D-	ining M-Motrix'	
Applicant:       First Wind       County:       Harocok         Investigator #1: Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Maine         Soll Unit:       Brayton-Colonel association, genty sloping, v. story       Local Relief: Linear       Sample Poin:       Upland         Solpe (%)       Latitude:       44.738997       Longitude:       62.17225       Datum:       Community Up         Are climatic/hydrologic conditions on the site typical for this time of year? (ir no, expluin in remarks)       Image:       Township:       Township:         Are Vegetation  , Soil  , or Hydrology   naturally problematic?       Are one present?       Township:       Township:         SUMARX OF FINDINES       Hydrophydic Vegetation Present?       Ives Image:       Dir         Hydrophydic Vegetation Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yes Image:         Wetland Hydrology Indicators (Check here if indicators are not present Image:       Dir           HYDROLOGY       Be - Surface Soil Cracks       Be - Surface Soil Cracks       Be - Surface Soil Cracks         Bit: Water Marks       Ci + Hydrops Soilide Odor       Ci 2: Cordicate Allocops Soilide Odor       Ci 2: Cordicate Allocops Soilide Odor       Ci 2: Cordicate Allocops Soilide Odor         Bit:	SOILS						_					
Applicant:       First Wind       County:       Harocok         Investigator #1: Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Maine         Soll Unit:       Brayton-Colonel association, genty sloping, v. story       Local Relief: Linear       Sample Poin:       Upland         Solpe (%)       Latitude:       44.738997       Longitude:       62.17225       Datum:       Community Up         Are climatic/hydrologic conditions on the site typical for this time of year? (ir no, expluin in remarks)       Image:       Township:       Township:         Are Vegetation  , Soil  , or Hydrology   naturally problematic?       Are one present?       Township:       Township:         SUMARX OF FINDINES       Hydrophydic Vegetation Present?       Ives Image:       Dir         Hydrophydic Vegetation Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yes Image:         Wetland Hydrology Indicators (Check here if indicators are not present Image:       Dir           HYDROLOGY       Be - Surface Soil Cracks       Be - Surface Soil Cracks       Be - Surface Soil Cracks         Bit: Water Marks       Ci + Hydrops Soilide Odor       Ci 2: Cordicate Allocops Soilide Odor       Ci 2: Cordicate Allocops Soilide Odor       Ci 2: Cordicate Allocops Soilide Odor         Bit:	Remarks:											
Applicant:       First Wind       Investigator #1: Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Water         Soil Unit:       Brayon-Colonel association, gently sloping, v. story       NWI/WWI Classification: Upland       Wetland ID:       W185         Solid Price       Sample Point:       Upland       Commity ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (trino, explain memarks)       Yes       No       Section:          Are Vegetation       _, Soil       or Hydrology       Instituted:       4/4738937       Complitude:       68.217325       Datum:       Section:          Are Vegetation       _, Soil       or Hydrology       Instituted:       4/4738937       Complitude:       68.217325       Datum: +-       Section:          Are Vegetation       _, Soil       or Hydrology       Instituted:       4/4738937       Complitude:       82.17325       Datum: +-       Section:		uea Data (str	earn gauge, monitorir	ig weil, aeria	ai priotos	, previous	inspectio	is), if available:		IN/A		
Applicant:       First Wind Investigator #1: Michael Johnson       Investigator #2: Jeanna Leclerc       Country:       Hancock State:         Soil Unit:       Brayton-Colonel association, gently sloping, v. story       NWI/WWI Classification: Upland       Wettand ID:       W185         Sample Point:       Upland       Community ID:						( )	inon a sti -			NI/A		
Applicant:       First Wind Investigator #1: Michael Johnson       Investigator #2: Jeana Lecierc       County:       Hancock State:         Soil Unit:       Brayton-Coordel association, gently sloping, v. story       NW//WW/ Classification: Upland       Wettand ID:       Wit85         Landform:       Taif       Local Relief:       Linear       Sample Point:       Upland         Slope (%):       0-8%       Latitude:       44.738997       Longitude:       88.217325       Datum: ~       Community ID:       -         Are climatic/hydrologic conditions on the site typical for this time of year? (Inc.explain nremarks)       Yes       No       Section:       -       -         Are Vegetation       Osil       or Hydrology       significantly disturbed?       Are normal circumstances present?       Township:       -         Are Vegetation Present?       Or Hydrology Present?       Yes       No       Hydrology Indicators       Yes       No         Wetland Hydrology Indicators (Check here if indicators are not present       ):						. ,						
Applicant:       First Wind       Investigator #2: Jeanna Leclerc       County:       Hancock         Investigator #11:       Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Maine         Soli Unit:       Brayno-Colonel association, gently sloping, v. story       NW//WWI Classification: Upland       Sample Point:       Upland         Landform:       Talf       Local Relief: Linear       Sample Point:       Upland         Slope (%):       0-8%       Latitude:       44.738997       Longitude:       68.217325       Datum:       Community ID:         Are climatic/hydrologic conditions on the site typical for this time of year? (if no explain in remarks)       If yes       No       Retinatic/hydrology       Sample Point:       Upland         Are Vegetation       Soil I, or Hydrology       Investigator # yes       No       Range:        Dir:         SUMMARY OF FINDINGS       Investigator # yes       No       Hydrology Indicators (Check here if indicators are not present       I'res       Yes       No         Wetland Hydrology Indicators (Check here if indicators are not present       ):       I'max       B6 - Surface Soil Cracks       B7 - Aguatic Fauna       B10 - Aguatic Fauna       B10 - Aguatic Fauna       B10 - Drainage Patterns       B10 - Aguatic Fauna       B10 - Aguatic Fauna       B10 - Agu						. ,			Wetland Hyd	drology Pr	esent?	Yes 🗹 No
Applicant:       First Wind Investigator #1: Michael Johnson       Investigator #2: Jeana Leclerc       County:       Hancock State:         Soil Unit:       Braydno-Colonel association, gently sloping, v. story       NWI/WWI Classification: Upland       Wetland ID:       W155         Landform:       Talf       Sample Point:       Upland       Sample Point:       Upland         Slope (%):       0-8%       Latitude:       44.738997       Longitude: 66.217325       Datum:       Community ID:          Are climatichydrologic conditions on the site typical for this time of year? (ff no, explain in remarks)       If Yes       No       Section:          Are Vegetation       , Soil  , or Hydrology       isignificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation Present?       Orthydrology Insturally problematic?       If Yes       No       Hydrology Present?       Ves       No         SUMMARY OF FINDINES       Hydrology Indicators (Check here if indicators are not present       ):       If the start and thydrology Present?       Yes       No         Wetland Hydrology Indicators (Check here if indicators are not present       ):       If the start and the start an				Deet		(in )						
Applicant:       First Wind       County:       Hancock         Investigator #1:       Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit       Brayton-Colonel association, gently sloping, v. story       NW/WWI Classification:       Upland       Wetland ID:       W185         Landform:       Taif       Local Relief:       Linear       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (if no explain intermarks)       If yes       No       Section:          Are Vegetation       , Soil  , or Hydrology       Instinctify disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil  , or Hydrology       Inaturally problematic?       If yes       No       Range:       -       Dir:       -         SUMMARY OF FINDINGS       Hydrophytic Vegetation Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yes       No         Wetland Hydrology Indicators (Check here if indicators are not present       ):       Primary:       Secondary:       B6 - Surface Soil Cracks       B16 - Moss Tim Lines         A1 - Surface Water       B9 - Water-Stained Leaves       B16 - Moss Tim Lines       B16 - Moss Tim Lines       B16 - Moss Tim Lines	Field Observe	tions										1031
Applicant:       First Wind       County:       Hancock         Investigator #1:       Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Brayton-Colonel association, gently sloping, v. story       NW//WWI Classification:       Upland       Wetland ID:       W185         Standform:       Taf       Local Relief:       Linear       Sample Point:       Upland       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (if no. explain in remarks)       I remarks:        Township:          Are Vegetation       , Soil       , or Hydrology       ignificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       , or Hydrology       Inaturally problematic?       Yes       No       Hydric Soils Present?       Ves       No         StudMARY OF FINDINGS          Range:        Dir:          Hydrology Present?       Yes       No       Hydric Soils Present?       Yes       No         Remarks:               Wetland Hydrology Indicators (Check here if indicators are not present		B8 - Sparsely	y Vegetated Concave S	urface								
Applicant:       First Wind Investigator #1:       Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Brayton-Colonel association, gently sloping, v. stony       NWI/WWI Classification:       Upland       Wetland ID:       Witand ID:       Witand ID:       Witand ID:       Watland ID:       Watland ID:       Watland ID:						Other (Ex	plain in Re	marks)			D3 - Shallow Aquit	tard
Applicant:       First Wind Investigator #1:       County:       Hancock State:         Maine       State:       Maine         Soil Unit:       Brayton-Colonel association, gently sloping, v. stony       NWI/WWI Classification:       Upland         Soil Unit:       Talf       Local Relief:       Linear       Sample Point:       Upland         Slope (%):       0-8%       Latitude:       44.738997       Longitude:       68.217325       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (trino, explain in remarks)       If yes       No       Section:          Are Vegetation       , Soil       or Hydrology       Instructure       If yes       No       Range:        Dir:          SUMMARY OF FINDINGS       Hydrophytic Vegetation Present?       Yes       No       Is This Sampling Point Within A Wetland?       If yes       No         Wetland Hydrology Indicators (Check here if indicators are not present       In yes       No       Is This Sampling Point Within A Wetland?       Yes       No         Primary:       A1 - Surface Water       B9 - Water-Stained Leaves       B10 - Aquic Fauna       B10 - Drainage Patterns       B16 - Mari Deposits       B10 - Drainage Patterns       B16 - Mari Deposits												
Applicant:       First Wind       County:       Hancock         Investigator #1:       Michael Johnson       Investigator #2: Jeana Leclerc       State:       Maine         Soil Unit:       Brayton-Colonel association, gently sloping, v. story       NWI/WWI Classification: Upland       Wetland ID:       W185         Sample Point:       Upland       Community ID:        Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (if no, explain in remarks)       I Yes       No       Section:          Are Vegetation       , Soil       , or Hydrology       significantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       , or Hydrology       naturally problematic?       I'res       No       Range:       -       Dir:          SUMMARY OF FINDINGS        Yes       No       Is This Sampling Point Within A Wetland?       Yes       No         Wetland Hydrology Indicators (Check here if indicators are not present       ):        Secondary:       B10 - Drainage Patterns         A1 - Surface Water       B13 - Aquatic Fauna       B10 - Drainage Patterns       B10 - Drainage Patterns       B10 - Drainage Patterns         A3 - Saturation       B15												
Applicant:       First Wind       County:       Hancock         Investigator #1:       Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Brayton-Colonel association, gently sloping, v. stony       NWI/WWI Classification:       Upland       Wetland ID:       W185         Landform:       Talf       Local Relief:       Linear       Sample Point:       Upland         Slope (%):       0-8%       Latitude:       44.738997       Longitude:       68.217325       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       If yes       No       Section:          Are Vegetation       , Soil       , or Hydrology       inginificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       , or Hydrology       Inturally problematic?       If yes       No       Range:        Dir:          SUMMARY OF FINDINGS		B2 - Sedimer	nt Deposits			C3 - Oxid	ized Rhizo	spheres on Living Roots			C8 - Crayfish Burr	ows
Applicant:       First Wind       Investigator #1: Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Brayton-Colonel association, gently sloping, v. story       NWI/WWI Classification: Upland       Wetland ID:       W185         Landform:       Talf       Local Relief:       Linear       Sample Point:       Upland         Slope (%):       0-8%       Latitude:       44.738997       Longitude:       68.217325       Datum:       Section:          Are climatic/hydrologic conditions on the site typical for this time of year? (troe, explain in remarks)       Ive Yes       No       Section:          Are Vegetation       , Soil       , or Hydrology       isgnificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       , or Hydrology       Inaturally problematic?       Ive Yes       No       Hydric Soils Present?       Township:          SUMMARY OF FINDINGS       Hydrology Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yes       No         Wetland Hydrology Indicators (Check here if indicators are not present       ):					_			le Odor				
Applicant: First Wind County: Hancock   Investigator #1: Michael Johnson Investigator #2: Jeanna Leclerc State: Maine   Soil Unit: Brayton-Colonel association, gently sloping, v. story NWI/WWI Classification: Upland Wetland ID: W185   Landform: Talf Local Relief: Linear Sample Point: Upland   Solpe (%): 0.8% Latitude: 44.738997 Longitude: 68.217325 Datum:   Are climatic/hydrologic conditions on the site typical for this time of year? (tr no, explain in remerks) I Yes No Section:   Are Vegetation ], Soil ], or Hydrology significantly disturbed? Are normal circumstances present? Township:   Are Vegetation ], Soil ], or Hydrology naturally problematic? I Yes No Range:   SUMMARY OF FINDINGS   Hydrology Present? Yes No Hydric Soils Present? Yes No   Wetland Hydrology Indicators (Check here if indicators are not present ): Yes No   Primary: A1 - Surface Water B9 - Water-Stained Leaves B6 - Surface Soil Cracks								l				
Applicant:       First Wind       County:       Hancock         Investigator #1:       Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Brayton-Colonel association, gently sloping, v. stony       NWI/WWI Classification:       Upland       Wetland ID:       W185         Landform:       Talf       Local Relief:       Linear       Sample Point:       Upland         Slope (%):       0-8%       Latitude:       44.738997       Longitude:       68.217325       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (if no, explain in remarks)       ☑ Yes<		A1 - Surface									B6 - Surface Soil (	Cracks
Applicant:       First Wind       Investigator #1: Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Brayton-Colonel association, gently sloping, v. stony       NWI/WWI Classification: Upland       Wetland ID:       W185         Landform:       Talf       Local Relief: Linear       Sample Point:       Upland         Slope (%):       0-8%       Latitude: 44.738997       Longitude: 68.217325       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Yes       No       Section:          Are Vegetation       , Soil       , or Hydrology       significantly disturbed?       Are normal circumstances present?       Township:          SUMMARY OF FINDINCS	-		ators (Uneck here if	indicators	are not p	present	고 ):			Secondary		
Applicant:       First Wind       Investigator #2: Jeanna Leclerc       County:       Hancock         Soil Unit:       Brayton-Colonel association, gently sloping, v. stony       NWI/WWI Classification:       Upland         Landform:       Talf       Local Relief: Linear       Sample Point:       Upland         Slope (%):       0-8%       Latitude:       44.738997       Longitude:       68.217325       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Immetary Yes       No       Section:          Are Vegetation       , Soil       , or Hydrology       Insignificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       , or Hydrology       Instructive Yes       No       No       Section:          SUMMARY OF FINDINGS       Hydrology Present?       Yes       No       Hydric Soils Present?       Yes       No         Wetland Hydrology Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yes       No         Remarks:							_ `					
Applicant:       First Wind       Investigator #2: Jeanna Leclerc       County:       Hancock         Soil Unit:       Brayton-Colonel association, genty sloping, v. stony       NWI/WWI Classification:       Upland         Soil Unit:       Brayton-Colonel association, genty sloping, v. stony       NWI/WWI Classification:       Upland         Landform:       Talf       Local Relief:       Linear         Slope (%):       0-8%       Latitude:       44.738997       Longitude:       68.217325       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Implement of year? (If no, explain in remarks)       Yes       No       Section:          Are Vegetation       , Soil       , or Hydrology       Isignificantly disturbed?       Are normal circumstances present?       Township:          SUMMARY OF FINDINGS       Urgestation       Pres       No       Hydric Soils Present?       Dir:          Hydrophytic Vegetation Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yes       No												
Applicant:       First Wind       Investigator #2: Jeanna Leclerc       County:       Hancock         Soil Unit:       Brayton-Colonel association, genty sloping, v. stony       NWI/WWI Classification:       Upland         Soil Unit:       Brayton-Colonel association, genty sloping, v. stony       NWI/WWI Classification:       Upland         Landform:       Talf       Local Relief:       Linear         Slope (%):       0-8%       Latitude:       44.738997       Longitude:       68.217325       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Implement of year? (If no, explain in remarks)       Yes       No       Section:          Are Vegetation       , Soil       , or Hydrology       Isignificantly disturbed?       Are normal circumstances present?       Township:          SUMMARY OF FINDINGS       Urgestation       Pres       No       Hydric Soils Present?       Dir:          Hydrophytic Vegetation Present?       Yes       No       Is This Sampling Point Within A Wetland?       Yes       No	Remarks:											
Applicant:       First Wind       County:       Hancock         Investigator #1:       Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Brayton-Colonel association, gently sloping, v. stony       NWI/WWI Classification: Upland       Wetland ID:       W185         Landform:       Talf       Local Relief: Linear       Sample Point:       Upland         Slope (%):       0-8%       Latitude: 44.738997       Longitude: 68.217325       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       If yes       No       Section:          Are Vegetation       , soil       , or Hydrology       Instantally problematic?       If yes       No       Section:          SUMMARY OF FINDINGS       Summary of FINDINGS       Summary of FINDINGS        Dir:	Wetland Hydro										Within A Wetland	
Applicant:       First Wind       County:       Hancock         Investigator #1:       Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Brayton-Colonel association, gently sloping, v. stony       NWI/WWI Classification: Upland       Wetland ID:       W185         Landform:       Talf       Local Relief: Linear       Sample Point:       Upland         Slope (%):       0-8%       Latitude: 44.738997       Longitude: 68.217325       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Yes       No       Section:          Are Vegetation       , soil       , or Hydrology       Isignificantly disturbed?       Are normal circumstances present?       Township:          Are Vegetation       , Soil       , or Hydrology       Inaturally problematic?       Yes       No       Range:        Dir:			sent?		□ Yes				Hydric Soils I	Present?		🗆 Yes 🗹 No
Applicant:       First Wind       County:       Hancock         Investigator #1:       Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Brayton-Colonel association, gently sloping, v. stony       NWI/WWI Classification: Upland       Wetland ID:       W185         Landform:       Talf       Local Relief: Linear       Sample Point:       Upland         Slope (%):       0-8%       Latitude: 44.738997       Longitude: 68.217325       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       Yes       No       Section:          Are Vegetation       , soil       , or Hydrology       Significantly disturbed?       Are normal circumstances present?       Township:					smalle?			- 165	_110		nanye.	UI
Applicant:       First Wind       County:       Hancock         Investigator #1:       Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Brayton-Colonel association, gently sloping, v. stony       NWI/WWI Classification: Upland       Wetland ID:       W185         Landform:       Talf       Local Relief: Linear       Sample Point:       Upland         Slope (%):       0-8%       Latitude: 44.738997       Longitude: 68.217325       Datum:       Community ID:          Are climatic/hydrologic conditions on the site typical for this time of year? (If no, explain in remarks)       If Yes       No       Section:									_ ·	.:		 Dir:
Applicant:First WindCounty:HancockInvestigator #1:Michael JohnsonInvestigator #2: Jeanna LeclercState:MaineSoil Unit:Brayton-Colonel association, gently sloping, v. stonyNWI/WWI Classification: UplandWetland ID:W185Landform:TalfLocal Relief: LinearSample Point:UplandSlope (%):0-8%Latitude: 44.738997Longitude: 68.217325Datum:Community ID:							o, explain in			-	1	
Applicant:     First Wind     County:     Hancock       Investigator #1:     Michael Johnson     Investigator #2: Jeanna Leclerc     State:     Maine       Soil Unit:     Brayton-Colonel association, gently sloping, v. stony     NWI/WWI Classification: Upland     Wetland ID:     W185       Landform:     Talf     Local Relief: Linear     Sample Point:     Upland	/					0						
Applicant:       First Wind       County:       Hancock         Investigator #1:       Michael Johnson       Investigator #2: Jeanna Leclerc       State:       Maine         Soil Unit:       Brayton-Colonel association, gently sloping, v. stony       NWI/WWI Classification: Upland       Wetland ID:       W185								_	<b>F</b> :			
Applicant: First Wind County: Hancock			nel association, gently slo	ping, v. stony				/I/WWI Classification:	Upland		Wetland ID:	W185
	Soil Unit:		ISON		Invest	igator #2:	Jeanna L	eclerc			,	
T TOTOUTORO, WEAPON WIND FOLE OF OTAL OF TOTOUTOUT OLA 100000000 TOTOUTOUT OF TOTOUTOUT OF TOTOUTOUT	Investigator #1											
Project/Site: Weaver Wind Project Date: 07/09/14	Applicant: Investigator #1		d Project					Stantec Project #:	195600884		Date:	07/09/14



Northeast and Northcentral Region

3.         Betula alleghaniensis         10         N         FAC           4.             Tot           5.             Percent of           7.             Percent of           7.            Percent of           8.            Prevalence Index           9.            Total % Cover of:           10.            OBL sp           FAC sp               Sapling/Shrub Stratum (Plot size: 5 meter radius)         FAC sp         FAC sp	Dominant Species that are OBL, FACW, or FAC: 2 (A) al Number of Dominant Species Across All Strata: 5 (B) Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B) Worksheet $0  0  x \ 1 = 0  0$ $0  x \ 2 = 0  0$ $0  x \ 2 = 0  0$ $0  36  x \ 3 = 108  0$ $0  x \ 5 = 0  0$
Tree Stratum (Plot size: 10 meter radius)         Society Deminant         Ind Status         Dominance Test           1.         Tsuga canadensis         60         Y         FACU         Number of           2.         Ables balsamea         20         Y         FACU         Number of           3.         Betula alleghaniensis         10         N         FAC         FACU         Number of           4.             FACU         Number of           6.             FACU         Percent of           7.             Percel de         FACUS provide           9.              FACUS provide         FACUS provid	Dominant Species that are OBL, FACW, or FAC: 2 (A) al Number of Dominant Species Across All Strata: 5 (B) Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B) Worksheet $0  0  x \ 1 = 0  0$ $0  x \ 2 = 0  0$ $0  x \ 2 = 0  0$ $0  36  x \ 3 = 108  0$ $0  x \ 5 = 0  0$
Species Name         % Cover Dominant         Ind Status         Dominance Test           1.         Tsuga canadensis         60         Y         FACU           2.         Abies balsamea         20         Y         FACU           3.         Betula alleghaniansis         10         N         FAC           4.               5.               6.               7.               8.               10.               7.         Total Cover =         90             7.         Tsuga canadensis         5         Y         FACU           9.               6.               7.               9.               9.	Dominant Species that are OBL, FACW, or FAC: 2 (A) al Number of Dominant Species Across All Strata: 5 (B) Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B) Worksheet $0  0  x \ 1 = 0  0$ $0  x \ 2 = 0  0$ $0  x \ 2 = 0  0$ $0  36  x \ 3 = 108  0$ $0  x \ 5 = 0  0$
1.       Tsuga canadensis       60       Y       FACU         2.       Ables balsamea       20       Y       FAC         3.       Betula alleghaniensis       10       N       FAC         4.           Total         5.           Total       Total         6.            Total % Cover of:       Total % Cover of:         9.             Total % Cover of:       OBL sp         10.            Total % Cover of:       OBL sp         10.            Total % Cover of:       OBL sp         10.             Total % Cover of:       OBL sp         2.       Acer pensylvanicum       5       Y       FACU       FACU       Sp       FACU       Sp         3.       Ables balsamea       5       Y       FACU	Dominant Species that are OBL, FACW, or FAC: 2 (A) al Number of Dominant Species Across All Strata: 5 (B) Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B) Worksheet $0  0  x \ 1 = 0  (A/B)$ Worksheet $0  0  x \ 2 = 0  (A/B)$ $0  0  x \ 2 = 0  (A/B)$
2.       Ables balsamea       20       Y       FAC         3.       Betula alleghaniensis       10       N       FAC         4.             5.             6.              7.              8.              9.              10.              10.               10.        Total Cover =       90             1.       Tsuga canadensis       5       Y       FACU sp       FACU sp       FACU sp       FACU sp         1.       Tsuga canadensis       5       Y       FACU sp                       -	I Number of Dominant Species Across All Strata: 5 (B)Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B)Worksheet00000036x 1 = 0036x 2 = 0036x 4 = 28000
3.       Betula alleghaniensis       10       N       FAC         4.              5.               6.            Percent of         7.            Percent of         8.               8.           Total % Cover of:       OBL sp.         10.            Total % Cover of:       OBL sp.         5.       10.       Tsuga canadensis       5       Y       FACU       FACU sp.       Total % Cover of:       Total	I Number of Dominant Species Across All Strata: 5 (B)Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B)Worksheet00000036x 1 = 0036x 2 = 0036x 4 = 28000
4.            Total         5.            Percent of         6.            Percent of         8.             Percent of         9. </td <td>Multiply by:       0       $40.0\%$       (A/B)         Worksheet       0       $x \ 1 = 0$       0       $x \ 2 = 0$       0       $x \ 2 = 0$       0       $x \ 3 = 108$ $x \ 4 = 280$ $x \ 5 = 0$ $x \ 5 = 0$</td>	Multiply by:       0 $40.0\%$ (A/B)         Worksheet       0 $x \ 1 = 0$ 0 $x \ 2 = 0$ 0 $x \ 2 = 0$ 0 $x \ 3 = 108$ $x \ 4 = 280$ $x \ 5 = 0$
5.               Percent of         6.              Percent of         7.              Percent of         8.             Total % Cover of:       OBL sp         10.             Total % Cover of:       OBL sp       FACU sp       FACU sp       FACU sp       PErcal sp       PErc	Multiply by:       0 $x$ 1 $0$ $x$ $1$ $0$ $x$ $1$ $0$ $x$ $2$ $0$ $x$ $2$ $0$ $x$ $2$ $0$ $x$ $2$ $0$ $0$ $x$ $2$ $0$ $0$ $x$ $2$ $0$ $0$ $x$ $2$ $0$ $0$ $0$ $x$ $2$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$
6.             Percent of         7.              Total % Cover of:       Total % Cover of:       Total % Cover of:       OBL sp       FACU sp	Multiply by:       0       0       x 1 =       0         0       0       x 2 =       0       0         0       36       x 3 =       108         0       70       x 4 =       280         0       0       x 5 =       0
7.                           Total % Cover of:       0BL sp       FACU sp       UPL sp	Multiply by:       0       0       x 1 =       0         0       0       x 2 =       0       0         0       36       x 3 =       108         0       70       x 4 =       280         0       0       x 5 =       0
8.                Total Second Se	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
9.                Total % Cover of:       OBL sp       FAC W sp       WUP L sp       WUP	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
10.             OBL sp       FAC w sp	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Total Cover =       90       FACW sp         Sapling/Shrub Stratum (Plot size: 5 meter radius)       FACU sp         1.       Tsuga canadensis       5       Y       FACU sp         2.       Acer pensylvanicum       5       Y       FACU         3.       Abies balsamea       5       Y       FACU         3.       Abies balsamea       5       Y       FACU         4.              5.              6.              9.              10.              3.              3.              3.              4.               5.               5.       -	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Saping/Shrub Stratum (Plot size: 5 meter radius)       FAC sp         1.       Tsuga canadensis       5       Y       FAC usp         2.       Acer pensylvanicum       5       Y       FAC usp         3.       Abies balsamea       5       Y       FAC usp         4.             6.             7.             8.             9.             10.             4.             3.             3.             4.             7.             4.             5.             6             7. <td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td>	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Saping/Shrub Stratum (Plot size: 5 meter radius)       FAC sp         1.       Tsuga canadensis       5       Y       FAC usp         2.       Acer pensylvanicum       5       Y       FAC usp         3.       Abies balsamea       5       Y       FAC usp         4.             5.             6.             7.             8.             9.             Yu       10.            1.       Acer rubrum       1       N       FAC usp         Yu       Yu       Yu       Yu       Yu         1.       Acer rubrum       1       N       FAC usp         Yu       Yu       Yu       Yu       Yu         Yu       Yu       Yu       Yu       Yu         1.       Acer rubrum       1       N       FAC usp         1.       Acer rubrum       1       N <td< td=""><td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td></td<>	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Sapling/Shrub Stratum (Plot size: 5 meter radius)       FACU sp         1.       Tsuga canadensis       5       Y       FACU sp         2.       Acer pensylvanicum       5       Y       FACU         3.       Abies balsamea       5       Y       FACU         4.             5.             6.             7.             8.             9.             10.             4.             4.             4.             5.             4.             5.             6             7.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
1.       Tsuga canadensis       5       Y       FACU         2.       Acer pensylvanicum       5       Y       FACU         3.       Abies balsamea       5       Y       FAC         4.             5.             6.             7.             8.             9.             10.             1.       Acer rubrum       1       N       FAC         1.       Acer rubrum       1       N       FAC         1.       Acer rubrum       1       N       FAC         2.             3.             4.             5.             6 <tr< td=""><td>0 - 0 - 0 - 0</td></tr<>	0 - 0 - 0 - 0
2.       Acer pensylvanicum       5       Y       FACU         3.       Abies balsamea       5       Y       FAC         4.             5.             6.             7.             8.             9.             10.             Yd       10.            11.       Acer rubrum       1       N       FAC         2.             3.             4.             5.             6             7.             9.             10.	
3.       Abies balsamea       5       Y       FAC         4.             5.             6.             7.             8.             10.             Total Cover =       15            Yu       Yu       Yu       Yu       Yu         Herb Stratum (Plot size: 2 meter radius)             1.       Acer rubrum       1       N       FAC       Yu       Yu         1.       Acer rubrum       1       N       FAC       Yu       Yu       Yu         1.       Acer rubrum       1       N       FAC       Yu	al <u>106</u> (A) <u>388</u> (B)
4. <td< td=""><td>、,</td></td<>	、,
5. <td< td=""><td></td></td<>	
6. <td< td=""><td>Prevalence Index = B/A = 3.660</td></td<>	Prevalence Index = B/A = 3.660
7.                    Yd       Yd <td< td=""><td></td></td<>	
8.                  10.            10.       10.            10.       10.            10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.       10.	
9.               Y         10.             Y       Y         Total Cover = 15       Y         Herb Stratum (Plot size: 2 meter radius)          Y       Y         1.       Acer rubrum       1       N       FAC        Y       Y         2.                                                                          -	tation Indicators:
10. <t< td=""><td></td></t<>	
Total Cover = 15         Total Cover = 15         I diamondary constraints	
Herb Stratum (Plot size: 2 meter radius)       1       N       FAC         1.       Acer rubrum       1       N       FAC         2.             3.             4.             5.             6             7.             9.             10.             11.             12.	
Herb Stratum (Plot size: 2 meter radius)       I       N       FAC         1.       Acer rubrum       1       N       FAC         2.             3.             4.             5.             6             7.             9.             10.             11.             12.	
1.       Acer rubrum       1       N       FAC         2.              3.              4.              5.              6              7.              8.              9.              10.              11.              12.	
2. <td< td=""><td>s 🗹 No Problem Hydrophytic Vegetation (Explain) *</td></td<>	s 🗹 No Problem Hydrophytic Vegetation (Explain) *
3.                    Definitions of Veg         5.	* Indicators of hydric soil and wetland hydrology must be
4. <td< td=""><td>present, unless disturbed or problematic.</td></td<>	present, unless disturbed or problematic.
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
6             7.             8.             9.             10.             11.             12.	etation Strata:
7.          8.          9.          10.          11.          12.	
8.             9.             10.             11.             12.	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
9.          10.          11.          12.	height (DBH), regardless of height.
10.          11.          12.	
11.          12.	Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
12	tall.
	Herb - All herbaceous (non-woody) plants, regardless of size, and
· +·	woody plants less than 3.28 ft. tall.
14	
15	
Total Cover = 1	Woody Vines - All woody vines greater than 3.28 ft. in height.
	Woody Vines - All woody vines greater than 3.28 ft. in height.
Woody Vine Stratum (Plot size: 10 meter radius)	Woody Vines - All woody vines greater than 3.28 ft. in height.
1	Woody Vines - All woody vines greater than 3.28 ft. in height.
2	Woody Vines - All woody vines greater than 3.28 ft. in height.
	Woody Vines - All woody vines greater than 3.28 ft. in height.
3	- -
4	Woody Vines - All woody vines greater than 3.28 ft. in height. Hydrophytic Vegetation Present
5	- -
Total Cover = 0	
Remarks: Herb stratum had less than 5% cover and was not included in the dominance calculation.	



Project/Site:	Weaver Wind	d Project					Stantec Project #:	195600884		Date:	07/09/14
Applicant:	First wind						-			County:	Hancock
Investigator #1:	Michael John	son		Invest	igator #2:					State:	Maine
Soil Unit:		el Association, gently slo	ping, v. stony				VI/WWI Classification:	PFO		Wetland ID:	W185
Landform:	Talf				al Relief:					Sample Point:	Wetland
Slope (%):	0-8%		44.738926		ongitude:			Datum:		Community ID:	
		litions on the site typ				o, explain in	Are normal circumsta		No	Section:	
		or Hydrology □sigr or Hydrology □natu					Are normal circuitista		. :	Township: Range:	 Dir:
SUMMARY OF			arally proble	ematic			- 163			Range.	Dii
Hydrophytic Ve		sent?		⊡ Yes	🗆 No			Hydric Soils I	Present?		🗹 Yes 🔲 No
Wetland Hydro				⊡ Yes						Nithin A Wetland	
Remarks:	logy i looolik	•									
HYDROLOGY											
Wetland Hvdr	oloav Indica	ators (Check here if	indicators	are not p	resent	□):					
Primary			indicatore	a.e.101 p		L /-			Secondary:		
	A1 - Surface				B9 - Wate					B6 - Surface Soil (	
	5									B10 - Drainage Pa B16 - Moss Trim L	
					C1 - Hydr					C2 - Dry-Season \	
	B2 - Sedimer	nt Deposits			C3 - Oxidi	ized Rhizo	spheres on Living Roots			C8 - Crayfish Burr	OWS
							educed Iron			C9 - Saturation Vis D1 - Stunted or St	sible on Aerial Imagery
	J				Co - Rece C7 - Thin		duction in Tilled Soils			D1 - Stunied of St D2 - Geomorphic	
		on Visible on Aerial Ima	gery	ā						D3 - Shallow Aquit	
	B8 - Sparsely	Vegetated Concave S	urface	_						D4 - Microtopogra	
										D5 - FAC-Neutral	Test
Field Observat											
Surface Water		☑ Yes □ No	Depth:		(in.)			Wetland Hyd	drology Pr	esent?	Yes 🗆 No
Water Table Pr Saturation Pres		□ Yes ☑ No ☑ Yes □ No	Depth:		(in.)						
Saturation Free	sent?	L Yes L NO	Depth:	0	(in.)						
		eam gauge, monitorin	-		previous	inspectio	ns), if available:		N/A		
Describe Record Remarks:		eam gauge, monitorin ter localized to topo	-		previous	inspectio	ns), if available:		N/A		
Remarks:			-		previous	inspectio	l ns), if available:		N/A		
Remarks: SOILS	Surface wa	ter localized to topo	graphic pits	5.		-					
Remarks: SOILS Profile Descrij	Surface wa	ter localized to topo	graphic pits	S. absence of indica		-	Los), if available: -Depletion, RM-Reduced Matrix, CS-Cow			ining, M=Matrix)	Texture
Remarks: SOILS Profile Descrip Top	Surface wa	ter localized to topo	graphic pits	absence of indica Matrix	ators.) (Type: C=C	-	=Depletion, RM=Reduced Matrix, CS=Cow	Mottles	Location: PL=Pore L		Texture
Remarks: SOILS Profile Descrij Top Depth	Surface was otion (Describe to Bottom Depth	ter localized to topo the depth needed to document the indi Horizon	cator or confirm the a	s. absence of indica Matrix Moist)	itors.) (Type: C=C	Concentration, D		Mottles %	Location: PL=Pore L	Location	(e.g. clay, sand, loam)
Remarks: SOILS Profile Descrij Top Depth 0	Surface was btion (Describe to Bottom Depth 2	ter localized to topo the depth needed to document the indi- Horizon 1	cator or confirm the a Color (I 10YR	s. absence of indice Matrix Moist) 3/2	100	Concentration, D	-Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)	Mottles % 	Location: PL=Pore I	Location 	(e.g. clay, sand, loam) sandy loam
Remarks: SOILS Profile Descrij Top Depth	Surface was otion (Describe to Bottom Depth	ter localized to topo the depth needed to document the indi Horizon	cator or confirm the a	s. absence of indica Matrix Moist)	itors.) (Type: C=C	Concentration, D	-Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)	Mottles %	Location: PL=Pore L	Location	(e.g. clay, sand, loam)
Remarks: SOILS Profile Descrij Top Depth 0 2	Surface was been (Describe to 1) Bottom Depth 2 12	ter localized to topo the depth needed to document the indi- Horizon 1 2	cator or confirm the a Color (I 10YR 10YR	s. Matrix Moist) 3/2 6/1	tors.) (Type: C=C % 100 95	Concentration, D	-Depletion, RM-Reduced Matrix, CS-Cove Color (Moist)  4/6	Mottles %  5	Location: PL=Pore I Type  C	Location  M	(e.g. clay, sand, loam) sandy loam sandy loam
Remarks: SOILS Profile Descrij Top Depth 0 2 	Surface was botion (Describe to Bottom Depth 2 12 	ter localized to topo the depth needed to document the indi Horizon 1 2 	cator or confirm the a Color (I 10YR 	s. Matrix Moist) 3/2 6/1 	tors.) (Type: C=C % 100 95 	Concentration, D	-Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)  4/6 	Mottles %  5 	Location: PL=Pore I Type  C 	Location  M 	(e.g. clay, sand, loam) sandy loam sandy loam 
Remarks: SOILS Profile Descrij Top Depth 0 2  	Surface was been (Describe to Bottom Depth 2 12  	ter localized to topo the depth needed to document the indi- Horizon 1 2  	cator or confirm the a Color (I 10YR  	S. Matrix Moist) 3/2 6/1  	ttors.) (Type: C=C % 100 95  	  	-Depletion, RM=Reduced Matrix, CS=Cov Color (Moist)  4/6  	Mottles           %              5	Location: PL=Pore I Type  C  	Location  M  	(e.g. clay, sand, loam) sandy loam sandy loam  
Remarks: SOILS Profile Descrij Top Depth 0 2   	Surface was been (Describe to Bottom Depth 2 12   	ter localized to topo the depth needed to document the indi- Horizon 1 2   	cator or confirm the a Color (I 10YR 10YR   	s. Matrix Moist) 3/2 6/1   	100 95   	Concentration, D  10YR   	-Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)  4/6   	Mottles           %              5	Location: PL=Pore I Type  C   	Location  M   	(e.g. clay, sand, loam) sandy loam sandy loam   
Remarks: SOILS Profile Descrip Top Depth 0 2       	Surface was botion (Describe to Bottom Depth 2 12     	ter localized to topo the depth needed to document the indi Horizon 1 2      	cator or confirm the a Color (I 10YR 10YR     	s. Matrix Moist) 3/2 6/1     	tors.) (Type: C=C % 100 95    	Concentration, D  10YR    	-Depletion, RM-Reduced Matrix, CS-Cove Color (Moist)  4/6    	Mottles           %              5	Location: PL=Pore I Type  C   	Location  M    	(e.g. clay, sand, loam) sandy loam      
Remarks: SOILS Profile Descrip Top Depth 0 2       	Surface was	ter localized to topo the depth needed to document the indi Horizon 1 2     	cator or confirm the a Color (I 10YR 10YR     	s. Matrix Moist) 3/2 6/1     	tors.) (Type: C=C % 100 95    	Concentration, D  10YR    	=Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)  4/6      	Mottles           %              5	Location: PL=Pore I Type  C      	Location  M     	(e.g. clay, sand, loam) sandy loam      
Remarks: SOILS Profile Descrij Top Depth 0 2     NRCS Hydric	Surface was bition (Describe to Bottom Depth 2 12     Soil Field In A1- Histosoi	ter localized to topo the depth needed to document the indi- Horizon 1 2         	cator or confirm the a Color (I 10YR 10YR     	Absence of indication	tors) (Type: C=C % 100 95         S8 - Polyv	Concentration, D  10YR      tralue Belo	-Depletion, RM-Reduced Matrix, CS-Cow Color (Moist)  4/6       ): w Surface (LRR R, MLRA 149B)	Mottles %  5     <u>Indicator</u>	Location: PL=Pore I Type  C     s for Proble A10 - 2 cm	Location  M     matic Soils ¹ Muck (LRR K, L, MLRA 1/2	(e.g. clay, sand, loam) sandy loam        
Remarks: SOILS Profile Descrij Top Depth 0 2    NRCS Hydric	Surface was bion (Describe to 1) Bottom Depth 2 12     Soil Field In A1- Histosol A2 - Histic Ep	ter localized to topo the depth needed to document the indi- Horizon 1 2       	cator or confirm the a Color (I 10YR 10YR     	Absence of indica Matrix Moist) 3/2 6/1    ors are n	tors.) (Type: C=C % 100 95       ot preser S8 - Polyv S9 - Thin	Concentration, D	-Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)  4/6      ): w Surface (LRR R, MLRA 149B) aCe (LRR R, MLRA 149B)	Mottles %  5     Indicator	Location: PL=Pore I Type  C      sfor Proble A10 - 2 cm A16 - Coast	Location  M        Muck (Lerk L, MLRA 10 Prairie Redox (LRR 10	(e.g. clay, sand, loam) sandy loam       498) K, L, R)
Remarks: SOILS Profile Descrij Top Depth 0 2     NRCS Hydric	Surface was bion (Describe to Depth 2 12     Soil Field In A1- Histosoi A2 - Histic Eg A3 - Black Hi	ter localized to topo the depth needed to document the indi- Horizon 1 2      dicators (check here bipedon stic	cator or confirm the a Color (I 10YR 10YR     	Absence of Indica Matrix Moist) 3/2 6/1    ors are n	tors.) (Type: C=C % 100 95 s8 - Polyu S9 - Thin F1 - Loarr	Concentration, D  10YR        -	-Depletion, RM-Reduced Matrix, CS-Cow Color (Moist)  4/6      ): w Surface (LRR R, MLRA 149B) viineral (LRR K, L)	Mottles %  5     Indicator □ □ □ □ □ □ □ □ □	Location: PL=Pore I           Type              C <td>Location  M     matic Soils ¹ Muck (LRR K, L, MLRA 1/2</td> <td>(e.g. clay, sand, loam) sandy loam       498) K, L, R)</td>	Location  M     matic Soils ¹ Muck (LRR K, L, MLRA 1/2	(e.g. clay, sand, loam) sandy loam       498) K, L, R)
Remarks: SOILS Profile Descrij Top Depth 0 2    NRCS Hydric	Surface wa	ter localized to topo ter localized to topo Horizon 1 2      dicators (check her bipedon stic n Sulfide J Layers	cator or confirm the a Color (I 10YR 10YR     	Absence of indica Matrix Moist) 3/2 6/1    ors are n	tors) (Type: C=C % 100 95      ot preser S8 - Polyv S9 - Thin F1 - Loarr F3 - Deple F3 - Deple	Concentration, D	-Depletion, RM-Reduced Matrix, CS-Cow Color (Moist)  4/6        -	Mottles %  5     Indicator □ □ □ □ □ □ □ □ □	Location: PL=Pore I Type  C    s for Proble A10 - 2 cm A16 - Coast S3 - 5cm M S7 - Dark S S8 - Polyval	Location  M     matic Soils ¹ Muck (LRR K, L, MLRA 1/2 Prairie Redox (LRR 1/2 Prairie Redox (LRR 1/2 Urface (LRR K, L, M) ue Below Surface ()	(e.g. clay, sand, loam) sandy loam          -
Remarks: SOILS Profile Descrij Top Depth 0 2    NRCS Hydric	Surface was bition (Describe to: Depth 2 12    Soil Field In A1- Histosol A2 - Histic Ep A3- Black Hi A4 - Hydroge A5 - Stratified A1 - Deplett	ter localized to topo the depth needed to document the indi- Horizon 1 2       	cator or confirm the a Color (I 10YR 10YR     	beence of indice Matrix Moist) 3/2 6/1    ors are n 0 2 2 2 2 2 2 2 2 2 2 2 2 2	tors.) (Type: C=C % 100 95           S8 - Polyu S9 - Thin F1 - Loar F2 - Loar F3 - Deple F6 - Redo	Concentration, D	-Depletion, RM-Reduced Matrix, CS-Cow Color (Moist)  4/6       ): w Surface (LRR R, MLRA 149B) dineral (LRR K, L) Matrix K c rface	Mottles % 5	Location: PL=Pore I Type  C        	Location  M        Muck (LRR K, L, MLRA 14 Prairie Redox (LRR ucky Peat of Peat (L urface (LRR K, L, M) ue Below Surface (LR K, L, M) ue Below Surface (LR K, L, M)	(e.g. clay, sand, loam) sandy loam 
Remarks: SOILS Profile Descrij Top Depth 0 2    NRCS Hydric	Surface was bion (Describe to) Bottom Depth 2 12     Soil Field In A1- Histosol A2 - Histic EF A3 - Black Hi A4 - Hydroge A5 - Stratified A1 - Deplett A1 - Deplett A1 - Deplett A2 - Thick IC	ter localized to topo the depth needed to document the indi- Horizon 1 2       	cator or confirm the a Color (I 10YR 10YR     	Absence of indica Matrix Moist) 3/2 6/1    ors are n	tors) (Type: C=C % 100 95      ot preser S8 - Polyv S9 - Thin F1 - Loarr F3 - Deple F3 - Deple	Concentration, D  10YR         	-Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)  4/6     ): w Surface (LRR R, MLRA 149B) Wineral (LRR R, MLRA 149B) Wineral (LRR R, L) Matrix ( rface Surface	Mottles % 5	Location: PL=Pore I           Type                                                                                                                                                           S10 - Derk S	Location  M     matic Soils ¹ Muck (LRR K, L, MLRA 1/2 Prairie Redox (LRR 1/2 Prairie Redox (LRR 1/2 Urface (LRR K, L, M) ue Below Surface ()	(e.g. clay, sand, loam) sandy loam          -
Remarks: SOILS Profile Descrij Top Depth 0 2    NRCS Hydric	Surface was bition (Describe to Bottom Depth 2 12    Soil Field In A1- Histosol A2 - Histic EF A3- Black HI A4 - Hydroge A5 - Stratifier A11 - Deplete A12 - Thick D S1 - Sandy M S4 - Sandy C	ter localized to topo the depth needed to document the indi- Horizon 1 2      dicators (check here bipedon stic n Sulfide d Layers ad Below Dark Surface Dark Surface luck Mineral Bieyed Matrix	cator or confirm the a Color (I 10YR 10YR     	Absence of Indica Matrix Moist) 3/2 6/1    ors are n 0 0 0 0 0 0 0 0 0 0 0 0 0	tors.) (Type: C=C % 100 95         	Concentration, D  10YR         	-Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)  4/6     ): w Surface (LRR R, MLRA 149B) Wineral (LRR R, MLRA 149B) Wineral (LRR R, L) Matrix ( rface Surface	Mottles % 5	Location: PL=Pore I Type  C        -	Location M        matic Soils ¹ Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Ucky Peat of Peat (L urface (LRR K, L, M) ue Below Surface (LRR K, L) langanese Masses iont Floodplain Soil: Spodic (MLRA 144A, 15)	(e.g. clay, sand, loam) sandy loam         49B) K, L, R) LRR K, L, R) LRR K, L, R) S (MLRA 149B)
Remarks: SOILS Profile Descrij Top Depth 0 2    NRCS Hydric	Surface was bition (Describe to: Depth 2 12    Soil Field In A1- Histosol A2 - Histic Ep A3- Black Hi A4 - Hydroge A5 - Stratifier A12 - Thick E S1 - Sandy M S4 - Sandy R S4 - Sandy R	ter localized to topo the depth needed to document the indi- Horizon 1 2       	cator or confirm the a Color (I 10YR 10YR     	Absence of Indica Matrix Moist) 3/2 6/1    ors are n 0 0 0 0 0 0 0 0 0 0 0 0 0	tors.) (Type: C=C % 100 95         	Concentration, D  10YR         	-Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)  4/6     ): w Surface (LRR R, MLRA 149B) Wineral (LRR R, MLRA 149B) Wineral (LRR R, L) Matrix ( rface Surface	Mottles % 5	Location: PL=Pore I Type  C      s for Proble A10 - 2 cm A16 - Coast S3 - 5cm M S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red F	Location  M     matic Soils ¹ Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Urface (LRR K, L, M) ue Below Surface ( ark Surface (LRR K, L, M) ue Below Surface ( ark Surface (LRR A, 14 Prairie Rody Surface ( ark Surface (LRR A, 14 2 arent Material	(e.g. clay, sand, loam) sandy loam        -
Remarks: SOILS Profile Descrij Top Depth 0 2    NRCS Hydric	Surface was bion (Describe to) Bottom Depth 2 12     Soil Field In A1- Histosol A2 - Histic EF A3 - Black Hi A4 - Hydroge A5 - Stratifice A1 - Deplett A1 - Deplett A1 - Deplett A3 - Stratifice A5 - Stratifice S1 - Sandy M S4 - Sandy C S5 - Sandy R S6 - Stripped	ter localized to topo the depth needed to document the indi- Horizon 1 2                                                                                                                                                            	cator or confirm the a Color (I 10YR 10YR     	Absence of Indica Matrix Moist) 3/2 6/1    ors are n 0 0 0 0 0 0 0 0 0 0 0 0 0	tors.) (Type: C=C % 100 95         	Concentration, D  10YR         	-Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)  4/6     ): w Surface (LRR R, MLRA 149B) Wineral (LRR R, MLRA 149B) Wineral (LRR R, L) Matrix ( rface Surface	Mottles % 5	Location: PL=Pore I           Type                                                                                                                                                           Se Folyout	Location  M        -	(e.g. clay, sand, loam) sandy loam        -
Remarks: SOILS Profile Descrij Top Depth 0 2    NRCS Hydric	Surface was bion (Describe to) Bottom Depth 2 12     Soil Field In A1- Histosol A2 - Histic EF A3 - Black Hi A4 - Hydroge A5 - Stratifice A1 - Deplett A1 - Deplett A1 - Deplett A3 - Stratifice A5 - Stratifice S1 - Sandy M S4 - Sandy C S5 - Sandy R S6 - Stripped	ter localized to topo the depth needed to document the indi- Horizon 1 2       	cator or confirm the a Color (I 10YR 10YR     	Absence of Indica Matrix Moist) 3/2 6/1    ors are n 0 0 0 0 0 0 0 0 0 0 0 0 0	tors.) (Type: C=C % 100 95         	Concentration, D  10YR        -	-Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)  4/6     ): w Surface (LRR R, MLRA 149B) Wineral (LRR R, MLRA 149B) Wineral (LRR R, L) Matrix ( rface Surface	Mottles % 5	Location: PL=Pore I Type  C      	Location  M     matic Soils ¹ Muck (LRR K, L, MLRA 14 Prairie Redox (LRR Urface (LRR K, L, M) ue Below Surface ( ark Surface (LRR K, L, M) ue Below Surface ( ark Surface (LRR A, 14 Prairie Rody Surface ( ark Surface (LRR A, 14 2 arent Material	(e.g. clay, sand, loam) sandy loam        49B) K, L, R) LRR K, L, R) LRR K, L, R) S (MLRA 149B) 45, 149B) ACE
Remarks: SOILS Profile Descrij Top Depth 0 2    NRCS Hydric	Surface was bition (Describe to: Depth 2 12     Soil Field In A1- Histosol A2 - Histic Ep A3- Black Hi A4 - Hydroge A5 - Stratified A11 - Deplete A11 - Deplete A11 - Deplete A12 - Thick E S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Su	ter localized to topo the depth needed to document the indi- Horizon 1 2       	cator or confirm the a Color (I 10YR 10YR     	Absence of indice Matrix Moist) 3/2 6/1     ors are n	tors.) (Type: C=C % 100 95         	Concentration, D  10YR        -	-Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)  4/6     ): w Surface (LRR R, MLRA 149B) Wineral (LRR R, MLRA 149B) Wineral (LRR R, L) Matrix ( rface Surface	Mottles % 5	Location: PL=Pore I Type  C      	Location	(e.g. clay, sand, loam) sandy loam        -
Remarks: SOILS Profile Descrij Top Depth 0 2    NRCS Hydric	Surface was bion (Describe to) Bottom Depth 2 12     Soil Field In A1- Histosol A2 - Histic EF A3 - Black Hi A4 - Hydroge A5 - Stratifice A1 - Deplett A1 - Deplett A1 - Deplett A3 - Stratifice A5 - Stratifice S1 - Sandy M S4 - Sandy C S5 - Sandy R S6 - Stripped	ter localized to topo the depth needed to document the indi- Horizon 1 2       	cator or confirm the a Color (I 10YR 10YR     	Absence of Indica Matrix Moist) 3/2 6/1    ors are n 0 0 0 0 0 0 0 0 0 0 0 0 0	tors.) (Type: C=C % 100 95         	Concentration, D  10YR        -	-Depletion, RM=Reduced Matrix, CS=Cow Color (Moist)  4/6     ): w Surface (LRR R, MLRA 149B) Wineral (LRR R, MLRA 149B) Wineral (LRR R, L) Matrix ( rface Surface	Mottles % 5	Location: PL=Pore I Type  C      	Location	(e.g. clay, sand, loam) sandy loam        49B) K, L, R) LRR K, L, R) LRR K, L, R) S (MLRA 149B) 45, 149B) ACE



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project					Wetland ID: W185 Sample Point Wetland
VEGETATION	(Species identified in all upperc	ase are non-native	species.	)		
Tree Stratum (Ple	ot size: 10 meter radius)					
	Species Name	-		Dominant	Ind.Status	Dominance Test Worksheet
1.	Abies balsamea		30	Y	FAC	
2.	Thuja occidentalis		20	Y	FACW	Number of Dominant Species that are OBL, FACW, or FAC: 6 (A)
3.	Acer rubrum		10	N	FAC	
4.	Betula alleghaniensis		10	N	FAC	Total Number of Dominant Species Across All Strata: 6 (B)
5.						
6.						Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.						
8.						Prevalence Index Worksheet
9.						Total % Cover of: Multiply by:
10.						OBL spp. 30 x 1 = 30
		Total Cover =	70			FACW spp. 45 x 2 = 90
						FAC spp. 90 $x 3 = 270$
Sapling/Shrub Str	atum (Plot size: 5 meter radius)					FACU spp. 5 $x 4 = 20$
1.	Abies balsamea		20	Y	FAC	UPL spp. 0 x 5 = 0
2.	Betula alleghaniensis		10	Y	FAC	
3.	Tsuga canadensis		5	Ν	FACU	Total <u>170</u> (A) <u>410</u> (B)
4.						
5.						Prevalence Index = B/A = 2.412
6.						
7.						
8.						Hydrophytic Vegetation Indicators:
9.						☐ Yes ☑ No Rapid Test for Hydrophytic Vegetation
10.						✓ Yes □ No Dominance Test is > 50%
		Total Cover =	35			✓ Yes $\square$ No Prevalence Index is ≤ 3.0 *
			00			Yes
Herb Stratum (Pla	ot size: 2 meter radius)					
1.	Carex lacustris		30	Y	OBL	☐ Yes ☑ No Problem Hydrophytic Vegetation (Explain) *
2.	Rubus pubescens		20	Y	FACW	* Indicators of hydric soil and wetland hydrology must be
3.	Cornus canadensis		10	N	FAC	present, unless disturbed or problematic.
4.	Onoclea sensibilis		5	N	FACW	Definitions of Vegetation Strata:
5.						Demittoris of Vegetation offata.
<u> </u>						
7.						Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
						·····g··· ( · ·), ····g·······g····
8.						Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
9.						tall.
10.						
11.						
12.						Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft. tall.
13.						· · · · · · · · · · · · · · · · · · ·
14.						
15.						Woody Vines - All woody vines greater than 3.28 ft. in height.
		Total Cover =	65			
Woody Vine Strat	um (Plot size: 10 meter radius)					
1.						
2.						
3.						Hydrophytic Vegetation Present <ul> <li>Yes</li> <li>No</li> </ul>
4.						
5.						
		Total Cover =	0			
Remarks:						



Northeast and Northcentral Region

Project/Site: Applicant:	Weaver Wi First Wind	nd Project					Stantec Project #:	195600884		Date: County:	10/16/14 Hancock
Investigator #1:		rris		Investi	gator #2:	Jeanna	Leclerc			State:	Maine
Soil Unit:		eld association		invooti	gutor #2.		/I/WWI Classification:	Upland		Wetland ID:	W194
Landform:	Depression			Loc	al Relief:			opiana		Sample Point:	Upland
Slope (%):	0-3	Latitude:	44.7389				-68.190897	Datum:		Community ID:	
		ditions on the site ty						☑ Yes □	No	Section:	
		or Hydrology 🗆 sig					Are normal circumsta	ances present	?	Township:	
		or Hydrology   nat					Yes	□ No		Range:	Dir:
SUMMARY OF		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,1		-					5	
Hydrophytic Ve		sent?		Yes	🗹 No			Hydric Soils	Present?		🗆 Yes 🗹 No
Wetland Hydrol	0			□ Yes						Nithin A Wetlan	
Remarks:		adjacent to old skide	der trail.						in ig i on it		
HYDROLOGY											
Primary:		ators (Check here if	Indicato	ors are no	ot presen	t 🗹 )			Secondary:		
	A1 - Surface	Water			B9 - Wate	er-Stained	Leaves			B6 - Surface Soil	Cracks
	A2 - High Wa				B13 - Aqu					B10 - Drainage Pa	atterns
	A3 - Saturatio				B15 - Mar					B16 - Moss Trim L	
	B1 - Water M B2 - Sedimer				C1 - Hydr		de Odor spheres on Living Roots			C2 - Dry-Season V C8 - Crayfish Burr	
	B2 - Sedimer B3 - Drift Dep						educed Iron				sible on Aerial Imagery
	B4 - Algal Ma						duction in Tilled Soils			D1 - Stunted or St	
	B5 - Iron Dep				C7 - Thin					D2 - Geomorphic	
		on Visible on Aerial Ima			Other (Ex	plain in Re	emarks)			D3 - Shallow Aqui	
	B8 - Sparsely	/ Vegetated Concave S	ourrace							D4 - Microtopogra D5 - FAC-Neutral	
Field Observed										Bo The Hould	1000
Field Observat			Denti		(in )						
Surface Water Water Table Pr		□ Yes ☑ No □ Yes ☑ No	Depth:		(in.)			Wetland Hyd	drology Pr	esent?	No
Saturation Pres		□ Yes ☑ No	Depth:		(in.)						
			Depth:		(in.)						
Describe Record	ed Data (stre	am gauge, monitoring	a well. ae	rial nhoto	s previou	s insnerti	one) if available:				
		5.5.	g,	nui prioto	0, protiou	зпоресси	oris), il avallable.		N/A		
Remarks:		<u> </u>	<u>y,</u>		o, proviou	3 1139001	ons), ii available.		N/A		
			g,		o, proviou	зпореец	ons), il avallable.		N/A		
SOILS				•		•					
SOILS	Dtion (Describe to			•		•	ion, D=Depletion, RM=Reduced Matrix, C	S=Covered/Coated Sand		L=Pore Lining, M=Matrix)	
SOILS	btion (Describe to Bottom			•	indicators.) (Typ	•		S=Covered/Coated Sand		.=Pore Lining, M=Matrix)	Texture
SOILS Profile Descrip			licator or confirm	n the absence of		•				L=Pore Lining, M=Matrix)	Texture (e.g. clay, sand, loam)
SOILS Profile Descrip Top	Bottom	the depth needed to document the ind	licator or confirm	n the absence of Matrix	indicators.) (Typ	•	ion, D=Depletion, RM=Reduced Matrix, C	Mottles	Grains; Location: PL		
SOILS Profile Descrip Top Depth	Bottom Depth	the depth needed to document the ind	licator or confirm	n the absence of Matrix	indicators.) (Typ	e: C=Concentral	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PL	Location	(e.g. clay, sand, loam)
SOILS Profile Descrip Top Depth 1	Bottom Depth 0	the depth needed to document the ind Horizon	licator or confirm	n the absence of Matrix C NR	indicators.) (Typ % 100	e: C=Concentral	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles % 	Grains; Location: PL Type 	Location 	(e.g. clay, sand, loam) duff/organic
SOILS Profile Descrip Top Depth 1 0	Bottom Depth 0 1	the depth needed to document the ind Horizon 1 2	licator or confirm	n the absence of Matrix C NR 5/3	indicators.) (Typ % 100 100	e: C=Concentral	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)  	Mottles %  	Grains; Location: PL Type  	Location  	(e.g. clay, sand, loam) duff/organic silt loam
SOILS Profile Descrip Top Depth 1 0 1	Bottom Depth 0 1 16	the depth needed to document the ind Horizon 1 2 3	icator or confirm	n the absence of Matrix C NR 5/3 4/3	indicators.) (Typ % 100 100 100	e: C=Concentral	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)   	Mottles %  	Grains; Location: PI Type   	Location   	(e.g. clay, sand, loam) duff/organic silt loam silt loam
SOILS Profile Descrip Top Depth 1 0 1 	Bottom Depth 0 1 16 	he depth needed to document the ind Horizon 1 2 3 	icator or confirm  10YR 2.5Y 	n the absence of Matrix C NR 5/3 4/3 	indicators.) (Typ % 100 100 	e: C=Concentral	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)    	Mottles %   	Grains: Location: PL Type    	Location   	(e.g. clay, sand, loam) duff/organic silt loam silt loam 
SOILS Profile Descrip Top Depth 1 0 1  	Bottom Depth 0 1 16  	the depth needed to document the ind Horizon 1 2 3 	icator or confirm  10YR 2.5Y  	The absence of Matrix C NR 5/3 4/3  	indicators.) (Typ % 100 100 100  	e: C=Concentral	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %     	Grains; Location: PL Type     	Location    	(e.g. clay, sand, loam) duff/organic silt loam  
SOILS Profile Descrip Top Depth 1 0 1   	Bottom Depth 0 1 16   	the depth needed to document the ind Horizon 1 2 3  	icator or confirm  10YR 2.5Y  	n the absence of Matrix C NR 5/3 4/3  	indicators.) (Typ % 100 100 	e: C=Concentral	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %      	Grains; Location: PL       	Location     	(e.g. clay, sand, loam) duff/organic silt loam   
SOILS Profile Descrip Top Depth 1 0 1      	Bottom Depth 0 1 16       	the depth needed to document the Ind Horizon 1 2 3     	icator or confirm  10YR 2.5Y     	nthe absence of Matrix C NR 5/3 4/3     	indicators.) (Typ % 100 100     	e: C=Concentral	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %        	Grains: Location: PL          -	Location      	(e.g. clay, sand, loam) duff/organic silt loam     
SOILS Profile Descrip Top Depth 1 0 1 NRCS Hydric	Bottom           Depth           0           1           16                       Soil Field In           A1- Histosol	he depth needed to document the ind Horizon 1 2 3            	icator or confirm  10YR 2.5Y     	nthe absence of Matrix C 5/3 4/3    cators ar	indicators.) (Typ % 100 100    e not pre	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %        <u>Indicator</u>	Grains: Location: PI      s for Proble	Location      	(e.g. clay, sand, loam) duff/organic silt loam      
SOILS Profile Descrip Top Depth 1 0 1 NRCS Hydric	Bottom           Depth           0           1           16                    Soil Field In           A1- Histosol           A2 - Histic Ep	he depth needed to document the ind Horizon 1 2 3            	icator or confirm  10YR 2.5Y     	nthe absence of Matrix C NR 5/3 4/3    cators ar	indicators.) (Typ % 100 100   e not pre S8 - Polyn S9 - Thin	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)        -	Mottles %       Indicator	Grains; Location: PI Type      s for Proble A10 - 2 cm I A16 - Coast	Location       matic Soils ¹ Wuck (LRR K, L, MLRA 1. Prairie Redox (LRR	(e.g. clay, sand, loam) duff/organic silt loam        -
SOILS           Profile Descrip           Top           Depth           1           0           1                                         NRCS Hydric	Bottom           Depth           0           1           16	he depth needed to document the ind Horizon 1 2 3     dicators (check he pipedon stic	icator or confirm  10YR 2.5Y     	hthe absence of Matrix C 5/3 4/3    cators ar	indicators.) (Typ % 100 100    e not pre S8 - Polyn S9 - Thin S1 - Loarr	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %       Indicator	Grains: Location: PL Type      s for Proble A10 - 2 cm Mi A16 - Coast S3 - 5cm Mi	Location Muck (LRR K, L, MLRA1 Prairie Redox (LRR Loky Peat of Peat (	(e.g. clay, sand, loam) duff/organic silt loam        -
SOILS Profile Descrip Top Depth 1 0 1 NRCS Hydric	Bottom           Depth           0           1           16                    Soil Field In           A1- Histosol           A2 - Histic Er           A3 - Black Hi           A4 - Hydroge	he depth needed to document the Ind Horizon 1 2 3    udicators (check he bipedon stic in Sulfide	icator or confirm  10YR 2.5Y     	nthe absence of Matrix C 5/3 4/3   cators ar	indicators.) (Typ % 100 100   e not pre S8 - Polyn S9 - Than F1 - Loar F2 - Loar	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %       Indicator	Grains; Location: PI      s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mi S7 - Dark Si	Location matic Soils ¹ Muck (LRR K, L, MLRA 1. Prairie Redox (LRR ucky Peat of Peat (I urface (LRR K, L, M)	(e.g. clay, sand, loam) duff/organic silt loam     49B) K, L, R) LRR K, L, R)
SOILS Profile Descrip Top Depth 1 0 1 NRCS Hydric	Bottom Depth 0 1 16    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratified	he depth needed to document the ind Horizon 1 2 3             -	icator or confirm	nthe absence of Matrix C 5/3 4/3    cators ar	indicators.) (Typ % 100 100     e not pre S8 - Polyy S9 - Thin F1 - Loam F2 - Loam F3 - Deple	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)        -	Mottles %	Grains; Location: PI      s for Proble A10 - 2 cm I A16 - Coasti S3 - Scm Mi S7 - Dark S S8 - Polyval	Location             matic Soils ¹ Muck (LRR K, L, MLRA 1- Prairie Redox (LRR     Jcky Peat of Peat ()     urface (LRR K, L, M)     ue Below Surface ()	(e.g. clay, sand, loam) duff/organic silt loam          (LRR K, L)
SOILS Profile Descrip Top Depth 1 0 1 NRCS Hydric	Bottom Depth 0 1 16    Soil Field In A1- Histosol A2 - Histic Er A3 - Black Hi A4 - Hydroge A5 - Stratified A11 - Deplett	he depth needed to document the ind Horizon 1 2 3    idicators (check he bipedon stic stic sin Sulfide 1 Layers ed Below Dark Surface	icator or confirm	hthe absence of Matrix C NR 5/3 4/3    cators ar	indicators.) (Typ % 100 100   e not pre S8 - Polyn S9 - Than F1 - Loar F2 - Loar	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PI       s for Proble A10 - 2 cm I A16 - Coast S3 - Scm MI S7 - Dark Si S8 - Polyval S9 - Thin Da	Location matic Soils ¹ Muck (LRR K, L, MLRA 1. Prairie Redox (LRR ucky Peat of Peat (I urface (LRR K, L, M)	(e.g. clay, sand, loam) duff/organic silt loam 
SOILS Profile Descrip Top Depth 1 0 1 NRCS Hydric	Bottom           Depth           0           1           16	he depth needed to document the Ind Horizon 1 2 3     dicators (check he bipedon stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic  stic             	icator or confirm	hthe absence of Matrix C 5/3 4/3   cators ar Cators ar	indicators.) (Typ % 100 100   e not pre S8 - Polyy S9 - Thin F1 - Loar F2 - Loar F3 - Deple F6 - Redo	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PI        s for Proble A10 - 2 cm 1 A16 - Coast S3 - 5cm Mi S7 - Dark Si S8 - Polyval S9 - Thin Da S9 - Thin Da F12 - Iron-M F19 - Piedm	Location Muck (LRR K, L, MLRA 1- Prairie Redox (LRR Loky Peat of Peat (I urface (LRR K, L, M) ue Below Surface (ark Surface (LRR K, L) langanese Masses Ont Floodplain Soi	(e.g. clay, sand, loam) duff/organic silt loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R) S (MLRA 149B)
SOILS Profile Descrip Top Depth 1 0 1 NRCS Hydric	Bottom           Depth           0           1           16                    Soil Field In           A1- Histosol           A2 - Histic Er           A3 - Black Hi           A4 - Hydroge           A5 - Stratified           A1 - Deplete           A1 - Deplete           S1 - Sandy M           S4 - Sandy G	he depth needed to document the ind Horizon 1 2 3     dicators (check he bipedon stic in Sulfide d Layers ed Below Dark Surface Dark Surface Dark Surface Mineral Sleyed Matrix	icator or confirm	hthe absence of Matrix C 5/3 4/3   cators ar Cators ar	indicators.) (Typ % 100 100     e not pre S8 - Polyy S9 - Thin F1 - Loar F3 - Deple F3 - Deple F6 - Redd F7 - Deple	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains: Location: PI Type     s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mi S3 - 5cm Mi S3 - 5cm Mi S3 - 5cm Mi S4 - Polyval S9 - Thin Da F12 - Iron-Mi	Location matic Soils ¹ Muck (LRR K, L, MLRA 1- Prairie Redox (LRR ucky Peat (I urface (LRR K, L, M) ue Below Surface (LR K, L) anganese Masses ont Floodplain Soi Spodic (MLRA 144A, 1)	(e.g. clay, sand, loam) duff/organic silt loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R) S (MLRA 149B)
SOILS Profile Descrip Top Depth 1 0 1 NRCS Hydric	Bottom           Depth           0           1           16                          Soil Field In           A1- Histosol           A2 - Histic Er           A3 - Black Hi           A4 - Hydroge           A5 - Stratifier           A5 - Stratifier           A1 - Deplett           A1 - Sandy M           S4 - Sandy R           S5 - Sandy R	he depth needed to document the ind Horizon 1 2 3         	icator or confirm	hthe absence of Matrix C 5/3 4/3   cators ar Cators ar	indicators.) (Typ % 100 100     e not pre S8 - Polyy S9 - Thin F1 - Loar F3 - Deple F3 - Deple F6 - Redd F7 - Deple	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PI Type      s for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I S3 - 5cm Mi S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesia F12 - Red F	Location	(e.g. clay, sand, loam) duff/organic silt loam      49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (S (MLRA 149B) 45, 149B)
SOILS Profile Descrip Top Depth 1 0 1 NRCS Hydric	Bottom Depth 0 1 16    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifice A11 - Deplete A12 - Thick ID S1 - Sandy M S4 - Sandy R S5 - Sandy R S6 - Stripped	he depth needed to document the ind Horizon 1 2 3       	icator or confirm	hthe absence of Matrix C 5/3 4/3   cators ar Cators ar	indicators.) (Typ % 100 100     e not pre S8 - Polyy S9 - Thin F1 - Loar F3 - Deple F3 - Deple F6 - Redd F7 - Deple	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains: Location: PI        -	Location	(e.g. clay, sand, loam) duff/organic silt loam      49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (S (MLRA 149B) 45, 149B)
SOILS Profile Descrip Top Depth 1 0 1 NRCS Hydric	Bottom Depth 0 1 16    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifice A11 - Deplete A12 - Thick ID S1 - Sandy M S4 - Sandy R S5 - Sandy R S6 - Stripped	he depth needed to document the ind Horizon 1 2 3         	icator or confirm	hthe absence of Matrix C 5/3 4/3   cators ar Cators ar	indicators.) (Typ % 100 100     e not pre S8 - Polyy S9 - Thin F1 - Loar F3 - Deple F3 - Deple F6 - Redd F7 - Deple	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PI Type     s for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I S3 - 5cm Mi S7 - Dark S S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm T46 - Mesia F12 - Very Other (Expla	Location	(e.g. clay, sand, loam) duff/organic silt loam    49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) s (MLRA 149B) 45, 149B) face
SOILS Profile Descrip Top Depth 1 0 1 NRCS Hydric	Bottom Depth 0 1 16    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifier A11 - Deplett A12 - Thick E S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Su	he depth needed to document the ind Horizon 1 2 3         	icator or confirm	n the absence of Matrix C NR 5/3 4/3    cators ar Cators ar	indicators.) (Typ % 100 100     e not pre S8 - Polyy S9 - Thin F1 - Loar F3 - Deple F3 - Deple F6 - Redd F7 - Deple	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PI Type      s for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I S3 - 5cm Mis S7 - Dark S3 S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red F TF12 - Very Other (Expla	Location	(e.g. clay, sand, loam) duff/organic silt loam 
SOILS Profile Descrip Top Depth 1 0 1 NRCS Hydric	Bottom Depth 0 1 16    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifice A11 - Deplete A12 - Thick E S1 - Sandy M S4 - Sandy R S4 - Sandy R S6 - Stripped	he depth needed to document the ind Horizon 1 2 3         	icator or confirm	nthe absence of Matrix C 5/3 4/3   cators ar C C C C C C C C C C C C C	indicators.) (Typ % 100 100     e not pre S8 - Polyy S9 - Thin F1 - Loar F3 - Deple F3 - Deple F6 - Redd F7 - Deple	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PI Type       s for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I S3 - 5cm Mis S7 - Dark S3 S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TF2 - Red F TF12 - Very Other (Expla	Location	(e.g. clay, sand, loam) duff/organic silt loam    49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) s (MLRA 149B) 45, 149B) face
SOILS Profile Descrip Top Depth 1 0 1 NRCS Hydric	Bottom Depth 0 1 16    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifier A11 - Deplett A12 - Thick E S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Su	he depth needed to document the ind Horizon 1 2 3         	icator or confirm	n the absence of Matrix C NR 5/3 4/3    cators ar Cators ar	indicators.) (Typ % 100 100     e not pre S8 - Polyy S9 - Thin F1 - Loar F3 - Deple F3 - Deple F6 - Redd F7 - Deple	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PI Type       s for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I S3 - 5cm Mis S7 - Dark S3 S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TF2 - Red F TF12 - Very Other (Expla	Location	(e.g. clay, sand, loam) duff/organic silt loam 
SOILS Profile Descrip Top Depth 1 0 1 NRCS Hydric	Bottom Depth 0 1 16    Soil Field In A1- Histosol A2 - Histic Ep A3 - Black Hi A4 - Hydroge A5 - Stratifier A11 - Deplett A12 - Thick E S1 - Sandy M S4 - Sandy G S5 - Sandy R S6 - Stripped S7 - Dark Su	he depth needed to document the ind Horizon 1 2 3         	icator or confirm	n the absence of Matrix C NR 5/3 4/3    cators ar Cators ar	indicators.) (Typ % 100 100     e not pre S8 - Polyy S9 - Thin F1 - Loar F3 - Deple F3 - Deple F6 - Redd F7 - Deple	e: C=Concentrat	ion, D=Depletion, RM=Reduced Matrix, C Color (Moist)	Mottles %	Grains; Location: PI Type       s for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I S3 - 5cm Mis S7 - Dark S3 S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TF2 - Red F TF12 - Very Other (Expla	Location	(e.g. clay, sand, loam) duff/organic silt loam 



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project				Wetland ID: W194 Sample Point Upland
VEGETATION	(Species identified in all uppercase are non-nat	tivo coo			
	ot size: 10 meter radius)	live spec	cies.)		
		% Cover	Dominant	Ind.Status	Dominance Test Worksheet
1.	Betula alleghaniensis	35	Y	FAC	
2.	Acer saccharum	20	Y	FACU	Number of Dominant Species that are OBL, FACW, or FAC: 2 (A)
3.	Fraxinus nigra	5	N	FACW	
4.					Total Number of Dominant Species Across All Strata: 4 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.0%</u> (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 0 x 1 = 0
	Total Cover =	60			FACW spp. 5 $X 2 = 10$
					FAC spp. 70 $X 3 = 210$
	ratum (Plot size: 5 meter radius)	45		FACU	FACU spp. 75 x 4 = $300$
1.	Fagus grandifolia	45	Y	FACU	UPL spp 2 X $5 = 10$
2.	Betula alleghaniensis	35	Y	FAC	
<u> </u>	Acer pensylvanicum	5	N	FACU	Total <u>152</u> (A) <u>530</u> (B)
	Acer saccharum	5	N	FACU	
5.					Prevalence Index = B/A = <u>3.487</u>
6. 7.					
7. 8.					Hudronbutia Vagatatian Indiantara
<u> </u>					Hydrophytic Vegetation Indicators:
<u>9.</u> 10.					Yes No Rapid Test for Hydrophytic Vegetation
10.	 Total Cover =	90			<ul> <li>Yes   No Dominance Test is &gt; 50%</li> <li>Yes   No Prevalence Index is ≤ 3.0 *</li> </ul>
		90			
Harb Stratum (DI	ot size: 2 meter radius)				☐ Yes  No Morphological Adaptations (Explain) * ☐ Yes  No Problem Hydrophytic Vegetation (Explain) *
1.	Dennstaedtia punctilobula	2	N	UPL	
2.					* Indicators of hydric soil and wetland hydrology must be
3.					present, unless disturbed or problematic.
4.					Definitions of Vegetation Strata:
5.					
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.					tall.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size,
13.					and woody plants less than 3.28 ft. tall.
14.					
15.					Woody Vines - All woody vines greater than 3.28 ft. in height.
	Total Cover =	2			
Woody Vine Stra	tum (Plot size: 10 meter radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present D Yes D No
4.					
5.					
	Total Cover =	0			
Remarks:	The herb stratum includes less than 5 p	ercent	cover and	d was not	inlcuded in the dominance calculation.



Northeast and Northcentral Region

Project/Site:	Weaver Wi	nd Project					Stantec Project #:	195600884		Date:	10/16/14
Applicant:	First Wind							100000004		County:	Hancock
Investigator #1:		rris		Investi	gator #2:	Jeanna	Leclerc			State:	Maine
Soil Unit:		eld association			J		/I/WWI Classification:	PSS		Wetland ID:	W194
Landform:	Depression	1		Loc	al Relief:	Concav	е			Sample Point:	Wetland
Slope (%):	0-3	Latitude:	44.7389	69	Lo	ngitude:	-68.190783	Datum:		Community ID:	
Are climatic/hyd	drologic conc	ditions on the site ty	pical for	this time	of year?	(If no, expla	iin in remarks)	🗹 Yes 🛛		Section:	
Are Vegetation	☑ , Soil ☑ ,	or Hydrology 🗆 sig	nificantly	disturb	ed?		Are normal circumsta	ances present	t?	Township:	
Are Vegetation	$\Box$ , Soil $\Box$ ,	or Hydrology 🗆 na	turally pro	oblemat	ic?		Yes	🗹 No		Range:	Dir:
SUMMARY OF											
Hydrophytic Ve	getation Pre	sent?		☑ Yes				Hydric Soils	Present?		🗹 Yes 🗆 No
Wetland Hydrol					🗆 🗆 No				oling Point V	Nithin A Wetlan	d? 🛛 Yes 🖣 No
Remarks:	Plot taken i	n old skidder trail. V	Netland h	has beer	n impacte	d by tim	per harvesting activity.				
HYDROLOGY											
Wetland Hvdr	oloav Indica	ators (Check here if	f indicato	rs are n	ot presen	t 🗆 ):					
Primary			indicato			,.			Secondary:		
	A1 - Surface				B9 - Wate					B6 - Surface Soil	
✓	A2 - High Wa				B13 - Aqu					B10 - Drainage Pa	
	A3 - Saturatio B1 - Water M				B15 - Mar C1 - Hydr					B16 - Moss Trim I C2 - Dry-Season	
	B2 - Sedimer						spheres on Living Roots			C8 - Crayfish Buri	
	B3 - Drift Dep						educed Iron				isible on Aerial Imagery
	B4 - Algal Ma B5 - Iron Dep				C6 - Rece C7 - Thin		duction in Tilled Soils			D1 - Stunted or St D2 - Geomorphic	
		on Visible on Aerial Ima	agery							D3 - Shallow Aqui	
		Vegetated Concave S				piani ni rec	(indite)			D4 - Microtopogra	
		-								D5 - FAC-Neutral	Test
Field Observat	tions:										
Surface Water	Present?	🗆 Yes 🗹 No	Depth:		(in.)			Wetlend Lbu	dualanı / Du		
Water Table Pr	esent?	🗹 Yes 🛛 No	Depth:	NR	(in.)			Wetland Hy	arology Pr	esent?	Yes 🗆 No
Saturation Pres	sent?	🗹 Yes 🛛 No	Depth:	0	(in.)						
Describe Record	ed Data (stre	am gauge, monitoring	a well, aer	ial photo	s. previou	s inspecti	ons), if available:		N/A		
Remarks:	(11)	5.5.,	5 - ,		-,		,,				
rtomantor											
SOILS											
	otion (Describe to )	the depth needed to document the inc	licator or confirm	the absence of	indicators) (Typ	e: C=Concentral	ion, D=Depletion, RM=Reduced Matrix, C	S=Covered/Coated Sand	Grains: Location: Pl	-Pore Lining M-Matrix)	
Тор	Bottom			Matrix				Mottles		3,	Texture
Depth	Depth			1110411171							
		Horizon	(	2	1		Color (Moist)	%	Type	Location	(e.g. clay, sand, loam)
0		Horizon 1	1 1	<u>3/2</u>	%	5Y	Color (Moist)	% 15	Type	Location M	(e.g. clay, sand, loam) silt loam with 5% CF
0	14	1	2.5Y	3/2	% 85	5Y 5Y	5/6	15	C	М	silt loam with 5% CF
0 14 			1 1	-	%	5Y 5Y					
14	14 18	1 2	2.5Y 2.5Y	3/2 5/2	% 85 95	5Y	5/6 5/6	15 5	C D	M M	silt loam with 5% CF silt loam
<u>    14</u> 	14 18 	1 2 	2.5Y 2.5Y 	3/2 5/2	% 85 95 	5Y 	5/6 5/6 	15 5 	C D 	M M 	silt loam with 5% CF silt loam 
14  	14 18  	1 2  	2.5Y 2.5Y  	3/2 5/2  	% 85 95  	5Y  	5/6 5/6  	15 5  	C D 	M M 	silt loam with 5% CF silt loam  
14   	14 18   	1 2   	2.5Y 2.5Y  	3/2 5/2 	% 85 95  	5Y  	5/6 5/6   	15 5   	C D  	M M  	silt loam with 5% CF silt loam   
14    	14 18    	1 2   	2.5Y 2.5Y   	3/2 5/2    	% 85 95   	5Y   	5/6 5/6    	15 5   	C D   	M   	silt loam with 5% CF silt loam     
14      	14 18      	1 2      	2.5Y 2.5Y     	3/2 5/2      	%           85           95	5Y     	5/6 5/6      	15 5       	C D      	M     	silt loam with 5% CF silt loam      
14     NRCS Hydric	14 18      	1 2    	2.5Y 2.5Y     	3/2 5/2      cators ar	%           85           95	5Y     sent	5/6 5/6       	15 5       Indicator	C D           	M      matic Soils ¹	silt loam with 5% CF silt loam       
14     NRCS Hydric	14 18     Soil Field In A1- Histosol A2 - Histic Ep	1 2       idicators (check he	2.5Y 2.5Y     	3/2 5/2     cators an	%           85           95	5Y     sent value Belo	5/6 5/6      	15 5     Indicator	C D     s for Proble A10 - 2 cm l	M     	silt loam with 5% CF silt loam       49B)
14     NRCS Hydric	14 18     Soil Field In A1- Histosol A2- Histic EF A3- Black Hi	1 2      dicators (check he sipedon stic	2.5Y 2.5Y     	3/2 5/2     cators ar	%           85           95                             S8 - PolyN           S9 - Thin           F1 - Loarr	5Y     sent value Belo Dark Surfa	5/6 5/6             	15 5     <u></u> <u></u> <u>Indicator</u> 	C D       s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mi	M M        Muck (LRR K, L, MLRA 1. Prairie Redox (LRR Prairie Redox (LRR Loky Peat of Peat (	<pre>silt loam with 5% CF silt loam 49B) K, L, R)</pre>
14     NRCS Hydric	14 18    Soil Field In A1- Histosoi A2 - Histic Er A3 - Black Hi A4 - Hydroge	1 2      udicators (check he bipedon stic n Sulfide	2.5Y 2.5Y     	3/2 5/2    cators ar	%           85           95	5Y    sent C value Belo Dark Surfa ny Mucky I ny Gleyed	5/6 5/6     ] ): w Surface (LRR R, MLRA 149B) NCØ (LRR R, MLRA 149B) Mineral (LRR K, L) Matrix	15 5    <u></u> <u>Indicator</u> 	C D      S for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mi S3 - 5cm Mi	M       matic Soils ¹ Vluck (LRR K, L, MLRA 1. Prairie Redox (LRR prairie Redox (LRR Jcky Peat of Peat ( Jrface (LRR K, L, M)	49B) K, L, R) LRR K, L, R)
14     NRCS Hydric	14           18                          Soil Field In           A1- Histosol           A2 - Histic Er           A3 - Black Hi           A4 - Hydroge           A5 - Stratified	1 2          dicators (check he bipedon stic n Sulfide d Layers	2.5Y 2.5Y       ere if indic	3/2 5/2    cators ar	%           85           95	5Y    sent value Belo Dark Surfa yy Mucky I yy Gleyed	5/6 5/6             	15 5     <u></u> <u>Indicator</u> 	C D     s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm M S3 - 5cm M S7 - Dark S S8 - Polyval	M M     matic Soils ¹ Muck (LRR K, L, MLRA 1- Prairie Redox (LRR Jcky Peat of Peat ( Jrface (LRR K, L, M) ue Below Surface	49B) K, L, R) (LRR K, L)
14     NRCS Hydric	14           18                             Soil Field In           A1- Histosol           A2 - Histic Er           A3 - Black Hi           A4 - Hydroge           A5 - Stratifier           A11 - Deplett	1 2      dicators (check he pipedon stic on Sulfide d Layers ed Below Dark Surface	2.5Y 2.5Y      ere if indic	3/2 5/2    cators ar	%           85           95	5Y      sent value Belo Dark Surfa ny Mucky f ny Gleyed sted Matrix x Dark Su	5/6 5/6             	15 5     <u></u> <u>Indicator</u>  	C D     s for Proble A10 - 2 cm I A16 - Coast S3 - 5cm Mi S7 - Dark Si S8 - Polyval S9 - Thin Da	M       matic Soils ¹ Vluck (LRR K, L, MLRA 1. Prairie Redox (LRR prairie Redox (LRR Jcky Peat of Peat ( Jrface (LRR K, L, M)	silt loam with 5% CF           silt loam                                                                                                                                                      <
14    NRCS Hydric	14           18                       Soil Field In           A1- Histosol           A2 - Histic Er           A3 - Black Hi           A4 - Hydroge           A5 - Stratifier           A12 - Thick D           A12 - Thick D           S1 - Sandy M	1 2            	2.5Y 2.5Y      ere if indic	3/2 5/2     cators ar	%           85           95	5Y      sent value Belo Dark Surfa ny Mucky I ny Gleyed eted Matri: xx Dark Su ted Dark	5/6 5/6             	15 5    <u></u> <u>Indicator</u> 0 0 0 0	C D            	M M    matic Soils ¹ Muck (LRR K, L, MLRA 1. Prairie Redox (LRR cky Peat of Peat ( Juface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L langanese Masses ont Floodplain Soi	Silt loam with 5% CF Silt loam    49B) K, L, R) LRR K, L, R) (LRR K, L, R) S (LRR K, L, R) S (LRR A 149B)
14     NRCS Hydric	14           18                       Soil Field In           A1- Histosol           A2 - Histic Ep           A3 - Black Hi           A4 - Hydroge           A5 - Stratified           A11 - Deplete           A12 - Thick E           S1 - Sandy M           S4 - Sandy G	1 2            	2.5Y 2.5Y      ere if indic	3/2 5/2     cators ar	%           85           95                          S8 - Polyn           S9 - Thin           F1 - Loarr           F2 - Loarr           F3 - Deple           F6 - Redde           F7 - Deple	5Y      sent value Belo Dark Surfa ny Mucky I ny Gleyed eted Matri: xx Dark Su ted Dark	5/6 5/6             	15 5     <u></u> <u>Indicator</u>  	C D            	M M       	Silt loam with 5% CF Silt loam    49B) K, L, R) LRR K, L, R) (LRR K, L, R) S (LRR K, L, R) S (LRR A 149B)
14     NRCS Hydric	14           18                       Soil Field In           A1- Histosol           A2 - Histic Er           A3 - Black Hi           A4 - Hydroge           A5 - Stratifier           A1- Depleter           A1- Depleter           A1- Sandy M           S4 - Sandy R           S4 - Sandy R           S5 - Sandy R	1 2          dicators (check he oipedon stic n Sulfide d Layers ed Below Dark Surface Jark Surface Muck Mineral Sileyed Matrix iedox	2.5Y 2.5Y      ere if indic	3/2 5/2     cators ar	%           85           95                          S8 - Polyn           S9 - Thin           F1 - Loarr           F2 - Loarr           F3 - Deple           F6 - Redde           F7 - Deple	5Y      sent value Belo Dark Surfa ny Mucky I ny Gleyed eted Matri: xx Dark Su ted Dark	5/6 5/6             	15 5     <u></u> <u>Indicator</u> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C D     s for Proble A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I A10 - 2 cm I S3 - 5cm Mi S3 - 5cm Mi S3 - 5cm Mi S3 - 5cm Ni S3 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red F	M M      matic Soils 1 Muck (LRR K, L, MLRA 1. Prairie Redox (LRR JCky Peat of Peat ( Jrface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) anganese Masses ont Floodplain Soi Spodic (MLRA 1444, 1 arent Material	Silt loam with 5% CF Silt loam        49B) K, L, R) LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (LRR K, L, R) (S (MLRA 149B) 145, 149B)
14     NRCS Hydric	14           18                       Soil Field In           A1- Histosol           A2- Histic Er           A3- Black Hi           A4- Hydroge           A5- Stratifice           A11- Deplett           A12 - Thick ID           S1 - Sandy M           S4- Sandy C           S5- Sandy R           S6- Stripped	1 2          dicators (check he oipedon stic n Sulfide d Layers ed Below Dark Surface Jark Surface Muck Mineral Sileyed Matrix iedox	2.5Y 2.5Y      ere if indic	3/2 5/2     cators ar	%           85           95                          S8 - Polyn           S9 - Thin           F1 - Loarr           F2 - Loarr           F3 - Deple           F6 - Redde           F7 - Deple	5Y      sent value Belo Dark Surfa ny Mucky I ny Gleyed eted Matri: xx Dark Su ted Dark	5/6 5/6             	15 5    <u></u> <u>Indicator</u> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	C D            	M M         -	Silt loam with 5% CF Silt loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R) S (LRR K, L) S (LR
14    NRCS Hydric	14           18                       Soil Field In           A1- Histosol           A2- Histic Er           A3- Black Hi           A4- Hydroge           A5- Stratifice           A11- Deplett           A12 - Thick ID           S1 - Sandy M           S4- Sandy C           S5- Sandy R           S6- Stripped	1 2            	2.5Y 2.5Y      ere if indic	3/2 5/2     cators ar	%           85           95                          S8 - Polyn           S9 - Thin           F1 - Loarr           F2 - Loarr           F3 - Deple           F6 - Redde           F7 - Deple	5Y      sent value Belo Dark Surfa ny Mucky I ny Gleyed eted Matri: xx Dark Su ted Dark	5/6 5/6             	15 5     <u></u> <u></u> <u></u> <u></u> <u></u>	C D            	M M            	Silt loam with 5% CF Silt loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R) S (LRR K, L) S (LR
14     NRCS Hydric	14         18                     Soil Field In         A1- Histosol         A2 - Hydroge         A3 - Black Hi         A4 - Hydroge         A5 - Stratifier         A1 - Depletr         A1 - Depletr         S1 - Sandy M         S4 - Sandy R         S6 - Stripped         S7 - Dark Su	1 2         	2.5Y 2.5Y      	3/2 5/2    cators an             	%           85           95                          S8 - Polyn           S9 - Thin           F1 - Loarr           F2 - Loarr           F3 - Deple           F6 - Redde           F7 - Deple	5Y      sent value Belo Dark Surfa ny Mucky I ny Gleyed eted Matri: xx Dark Su ted Dark	5/6 5/6             	15 5     <u></u> <u></u> <u></u> <u></u> <u></u>	C D            	M M     matic Soils ¹ Muck (LRR K, L, MLRA 1- Prairie Redox (LRR Jacky Peat of Peat ( Jrface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) anganese Masses iont Floodplain Soi Spodic (MLRA 144A, 1 'arent Material Shallow Dark Surfa in in Remarks) ation and wetland hydrology	Silt loam with 5% CF Silt loam    49B) K, L, R) LRR K, L, R) (LRR K, L) (LRR K, L
14     NRCS Hydric	14           18                       Soil Field In           A1- Histosol           A2- Histic Er           A3- Black Hi           A4- Hydroge           A5- Stratifice           A11- Deplett           A12 - Thick ID           S1 - Sandy M           S4- Sandy C           S5- Sandy R           S6- Stripped	1 2         	2.5Y 2.5Y      	3/2 5/2     cators ar	%           85           95                          S8 - Polyn           S9 - Thin           F1 - Loarr           F2 - Loarr           F3 - Deple           F6 - Redde           F7 - Deple	5Y      sent value Belo Dark Surfa ny Mucky I ny Gleyed eted Matri: xx Dark Su ted Dark	5/6 5/6             	15 5     <u></u> <u></u> <u></u> <u></u> <u></u>	C D            	M M     matic Soils ¹ Muck (LRR K, L, MLRA 1- Prairie Redox (LRR Jacky Peat of Peat ( Jrface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) anganese Masses iont Floodplain Soi Spodic (MLRA 144A, 1 'arent Material Shallow Dark Surfa in in Remarks) ation and wetland hydrology	Silt loam with 5% CF Silt loam     49B) K, L, R) LRR K, L, R) (LRR K, L, R) S (LRR K, L) S (LR
14 NRCS Hydric	14         18                     Soil Field In         A1- Histosol         A2 - Hydroge         A3 - Black Hi         A4 - Hydroge         A5 - Stratifier         A1 - Depletr         A1 - Depletr         S1 - Sandy M         S4 - Sandy R         S6 - Stripped         S7 - Dark Su	1 2         	2.5Y 2.5Y      	3/2 5/2    cators an             	%           85           95                          S8 - Polyn           S9 - Thin           F1 - Loarr           F2 - Loarr           F3 - Deple           F6 - Redde           F7 - Deple	5Y      sent value Belo Dark Surfa ny Mucky I ny Gleyed eted Matri: xx Dark Su ted Dark	5/6 5/6             	15 5     <u></u> <u></u> <u></u> <u></u> <u></u>	C D            	M M     matic Soils ¹ Muck (LRR K, L, MLRA 1- Prairie Redox (LRR Jacky Peat of Peat ( Jrface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) anganese Masses iont Floodplain Soi Spodic (MLRA 144A, 1 'arent Material Shallow Dark Surfa in in Remarks) ation and wetland hydrology	Silt loam with 5% CF Silt loam    49B) K, L, R) LRR K, L, R) (LRR K, L) (LRR K, L
14 NRCS Hydric	14         18                     Soil Field In         A1- Histosol         A2 - Hydroge         A3 - Black Hi         A4 - Hydroge         A5 - Stratifier         A1 - Depletr         A1 - Depletr         S1 - Sandy M         S4 - Sandy R         S6 - Stripped         S7 - Dark Su	1 2         	2.5Y 2.5Y      	3/2 5/2    cators an             	%           85           95                          S8 - Polyn           S9 - Thin           F1 - Loarr           F2 - Loarr           F3 - Deple           F6 - Redde           F7 - Deple	5Y      sent value Belo Dark Surfa ny Mucky I ny Gleyed eted Matri: xx Dark Su ted Dark	5/6 5/6             	15 5     <u></u> <u></u> <u></u> <u></u> <u></u>	C D            	M M     matic Soils ¹ Muck (LRR K, L, MLRA 1- Prairie Redox (LRR Jacky Peat of Peat ( Jrface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) ue Below Surface ark Surface (LRR K, L, M) anganese Masses iont Floodplain Soi Spodic (MLRA 144A, 1 'arent Material Shallow Dark Surfa in in Remarks) ation and wetland hydrology	Silt loam with 5% CF Silt loam    49B) K, L, R) LRR K, L, R) (LRR K, L) (LRR K, L



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project				Wetland ID: W194 Sample Point Wetland
VEOFTATION					
VEGETATION	(Species identified in all uppercase are non-na ot size: 10 meter radius)	ative specie	es.)		
Thee Stratum (T	· ·	% Cover	Dominant	Ind.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: 3 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 30 x 1 = 30
	Total Cover =	0			FACW spp. 2 $x 2 = 4$
					FAC spp. 27 X 3 = 81
Sapling/Shrub St	ratum (Plot size: 5 meter radius)				FACU spp. 35 $x 4 = 140$
1.	Betula alleghaniensis	25	Y	FAC	UPL spp. 0 x 5 = 0
2.	Rubus idaeus	10	Ν	FACU	
3.					Total 94 (A) 255 (B)
4.					
5.					Prevalence Index = B/A = 2.713
6.					
7.					
8.					Hydrophytic Vegetation Indicators:
9.					Yes      No Rapid Test for Hydrophytic Vegetation
10.					✓ Yes □ No Dominance Test is > 50%
	Total Cover =	35			✓ Yes □ No Prevalence Index is ≤ 3.0 *
					□ Yes ☑ No Morphological Adaptations (Explain) *
Herb Stratum (Pl	ot size: 2 meter radius)				□ Yes ☑ No Problem Hydrophytic Vegetation (Explain) *
1.	Scirpus cyperinus	30	Y	OBL	
2.	Rubus hispidus	20	Y	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Solidago canadensis	5	Ν	FACU	present, unless disturbed or problematic.
4.	Onoclea sensibilis	2	N	FACW	Definitions of Vegetation Strata:
5.	Parathelypteris noveboracensis	2	N	FAC	
6					Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.					height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
<u> </u>					tall.
11.					
11.					Herb - All herbaceous (non-woody) plants, regardless of size,
12.					and woody plants less than 3.28 ft. tall.
13.					
14.					Woody Vines - All woody vines greater than 3.28 ft. in height.
15.	 Total Cover				WOOUS VIIIES - A Woods Viiles grouter and oteo ta in height
	Total Cover =	59			
Woody Vine Stra	tum (Plot size: 10 meter radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present 🥑 Yes 🗆 No
4.					
5.					
	Total Cover =	0			
Remarks:		0			



#### WETLAND DETERMINATION DATA FORM Northeast and Northcentral Region

Applicant:FitInvestigator #1:KaSoil Unit:MaLandform:TaSlope (%):3-	larlow-Dixfield alf -6% -logic condit - Soil 口o - Soil 口o NDINGS tation Prese	son association, strongly slo Latitude: tions on the site typ r Hydrologygn r Hydrologyatu	44.730333	Loc Loc time of sturbed?		NW Linear -68.21600	/I/WWI Classification: 6 remarks) Are normal circumsta ¥ Yes	Datum: Ves ances present No Hydric Soils F	No ? Present?	Date: County: State: Wetland ID: Sample Point: Community ID: Section: Township: Range: Vithin A Wetland	07/15/14 Hancock Maine W218 Upland Dir: No ( Yes ⊻ No ( No) ( Yes ℤ No ( No) ( No
Primary: A A A A B B B B B B B B B B B B B	<ol> <li>Surface V</li> <li>High Wat</li> <li>Saturatiori</li> <li>Saturatiori</li> <li>Vater Ma</li> <li>Sediment</li> <li>Sediment</li> <li>Porift Dept</li> <li>Algal Mat</li> <li>Algal Mat</li> <li>For Inon Depc</li> <li>For Innondation</li> <li>Sparsely</li> </ol>	er Table In Irks Deposits Desits or Crust	gery	•	B9 - Wate B13 - Aqu B15 - Mar C1 - Hydro C3 - Oxidi C4 - Prese C6 - Rece C7 - Thin	atic Fauna I Deposits ogen Sulfic zed Rhizo ence of Re nt Iron Re Muck Surf	t de Odor spheres on Living Roots duced Iron duction in Tilled Soils ace			B6 - Surface Soil 0 B10 - Drainage Pa B16 - Moss Trim L C2 - Dry-Season V C8 - Crayfish Burr C9 - Saturation Vis D1 - Stunted or St D2 - Geomorphic I D3 - Shallow Aquit D4 - Microtopogra D5 - FAC-Neutral	atterns ines Vater Table ows sible on Aerial Imagery ressed Plants Position tard phic Relief
Field Observation Surface Water Prese Water Table Prese Saturation Present Describe Recorded Remarks:	esent? ent? nt?	☐ Yes ✔ No ☐ Yes ✔ No ☐ Yes ✔ No am gauge, monitorin	Depth: Depth: Depth: g well, aeria		(in.) (in.) (in.) previous	inspectio	ns), if available:	Wetland Hyd	Irology Pro	esent? 🗆	Yes 🗹 No
SOILS Profile Descriptio	On (Describe to the	e depth needed to document the indic	ator or confirm the a	bsence of indica	tors.) (Type: C=C	oncentration, D=	Depletion, RM=Reduced Matrix, CS=Cove	ered/Coated Sand Grains;	Location: PL=Pore L	ining, M=Matrix)	
	Bottom			Matrix				Mottles			Texture
Depth	Depth	Horizon	Color (I	Moist)	%		Color (Moist)	%	Type	Location	(e.g. clay, sand, loam)
2	0	1		NR							fibirc organic
0	2	2	10YR	3/1	100						loam
2	11	3	10YR	4/2	98						loam
11	16	4	10YR	4/3	90	10YR	5/6	10	С	М	loam
											loam
NDCC Undein Co.											
	Dif Field Inc           11 Field Inc           2 - Histosol           2 - Histic Epi           3 - Black His           4 - Hydrogen           5 - Stratified           11 - Depleter           12 - Thick Da           11 - Sandy Mu           14 - Sandy Mu           15 - Strandy Re           15 - Strandy Re           16 - Stripped I	licators (check her pedon Sulfide Layers d Below Dark Surface ark Surface uck Mineral eyed Matrix dox		ors are n	ot presen S8 - Polyv S9 - Thin	t alue Belov Dark Surfa y Mucky M y Gleyed I eted Matrix x Dark Su eted Dark S	v Surface (LRR R, MLRA 149B) ICO (LRR R, MLRA 149B) Mineral (LRR K, L) Matrix ; frace Surface		s for Probles A10 - 2 cm 1 A16 - Coast S3 - 5cm Mu S7 - Dark Sŭ S8 - Polyvali S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red P TF12 - Very Other (Expla	Muck (LRR K, L, MLRA 14 Muck (LRR K, L, MLRA 14 Prairie Redox (LRR I, Licky Peat of Peat (L Inface (LRR K, L, M) Je Below Surface (LRR K, L) anganese Masses ont Floodplain Soils Spodic (MLRA 144A, 14 rent Material Shallow Dark Surfa in in Remarks) tion and wetland hydrology m	198) K, L, R) LRR K, L, R) (LRR K, L, R) S (MLRA 1498) 15, 1498)
	Dif Field Inc           11 Field Inc           2 - Histosol           2 - Histic Epi           3 - Black His           4 - Hydrogen           5 - Stratified           11 - Depleter           12 - Thick Da           11 - Sandy Mu           14 - Sandy Mu           15 - Strandy Re           15 - Strandy Re           16 - Stripped I	licators (check her pedon is Sulfide Layers d Below Dark Surface ark Surface ark Surface lick Mineral syed Matrix dox Vlatrix ace (LRR R, MLRA 149B)		ors are n	ot presen S8 - Polyv S9 - Thin I F1 - Loam F2 - Loam F3 - Deple F6 - Redo F7 - Deple F8 - Redo	t alue Belov Dark Surfa y Mucky M y Gleyed I eted Matrix x Dark Su eted Dark S	v Surface (LRR R, MLRA 149B) ICO (LRR R, MLRA 149B) Mineral (LRR K, L) Matrix ; frace Surface		s for Problem A10 - 2 cm 1 A16 - Coast S3 - 5cm Mu S7 - Dark Sŭ S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red P TF12 - Very Other (Expla hydrophytic vegeta problematic.	matic Soils 1 Muck (LRR K, L, MLRA 14 Prairie Redox (LRR I Lcky Peat of Peat (L ufface (LRR K, L, M) the Below Surface (URR K, L) anganese Masses ont Floodplain Soils Spodic (MLRA 144A, 14 arent Material Shallow Dark Surfa in in Remarks) tion and wetland hydrology m	198) K, L, R) LRR K, L, R) (LRR K, L, R) S (MLRA 1498) 15, 1498)



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project					Wetland ID: W218 Sample Point Upland
VEGETATION	(Species identified in all upperca	se are non-native	species.	)		
Tree Stratum (Pl	ot size: 10 meter radius)		~ ~			Deminance Test Werksheet
1.	<u>Species Name</u> Abies balsamea	-	<u>% Cover</u> 20	Dominant Y	Ind.Status FAC	Dominance Test Worksheet
2.	Betula alleghaniensis		20	Y	FAC	Number of Dominant Species that are OBL, FACW, or FAC:4 (A)
3.	Betula populifolia		10	N	FAC	Number of Dominant Species that are OBL, FACW, of FAC. 4 (A)
<u> </u>	Betula populiona Betula papyrifera		5	N	FACU	Total Number of Dominant Species Across All Strata: 6 (B)
4. 5.						
6.						Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)
7.						
8.						Prevalence Index Worksheet
9.						Total % Cover of: Multiply by:
10.						$OBL spp. \qquad 0 \qquad x \ 1 = \qquad 0$
10.		Total Cover =	55			FACW spp. 5 $x 2 = 10$
			00			FAC spp. 85 $x 3 = 255$
Sanling/Shrub Str	atum (Plot size: 5 meter radius)					FACU spp. 50 x 4 = 200
1.	Betula alleghaniensis		15	Y	FAC	UPL spp. 0 $x = 0$
2.	Abies balsamea		10	Ŷ	FAC	
3.	Acer pensylvanicum		5	N	FACU	Total <mark>140</mark> (A) <u>465</u> (B)
4.	Tsuga canadensis		5	N	FACU	
5.						Prevalence Index = B/A = 3.321
6.						
7.						
8.						Hydrophytic Vegetation Indicators:
9.						☐ Yes ☑ No Rapid Test for Hydrophytic Vegetation
10.						✓ Yes
10.		Total Cover =	35			<b>—</b> — — — — — — — — — — — — — — — — — —
			30			-
Liash Otratium (Dis						□ Yes □ No Morphological Adaptations (Explain) *
	t size: 2 meter radius) Maianthemum canadense		20	Y	FACU	Yes I No Problem Hydrophytic Vegetation (Explain) *
2.	Aralia nudicaulis		15	Y	FACU	* Indicators of hydric soil and wetland hydrology must be
3.	Abies balsamea		5	N	FACO	present, unless disturbed or problematic.
4.	Rubus pubescens		5	N	FACW	Definitions of Vegetation Strata:
5.	Acer rubrum		5	N	FAC	Deminions of Vegetation Strata.
6						
7.						Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast height (DBH), regardless of height.
8.						······································
9.						Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
<u> </u>						tall.
11.						
11.						Herb - All herbaceous (non-woody) plants, regardless of size, and
12.						woody plants less than 3.28 ft. tall.
13.						
14.						Woody Vines - All woody vines greater than 3.28 ft. in height.
10.		Total Causer				TTUOUY THICS - A WROODY THOU grouter man out of a miningha
		Total Cover =	50			
Weeds March						
	um (Plot size: 10 meter radius)					
1.						
2.						Ibideen batie Venetetien Breeset
3.						Hydrophytic Vegetation Present 🥑 Yes 🗆 No
4.						
5.		Tatal O				
Damas'		Total Cover =	0			
Remarks:						

#### Additional Remarks:

No hydric soils or wetland hydrology indicators.



Are Vegetation Are Vegetation SUMMARY OF Hydrophytic Veg Wetland Hydrol	Marlow-Dixfie Terrace 0-3 drologic cond , Soil , , Soil , FINDINGS getation Pre	Id association, strongly sk Latitude: <u>Latitude:</u> ditions on the site typ or Hydrology □sigr or Hydrology □natu sent?	44.730327 vical for this	Env Loc time of sturbed?	□ No	NV Concav -68.2162 o, explain in	VI/WWI Classification: e 87	Datum: Yes ances present No Hydric Soils	No :? Present?	Date: County: State: Wetland ID: Sample Point: Community ID: Section: Township: Range: Within A Wetland	07/15/14 Hancock Maine W218 Wetland     Dir: No Yes No No
Remarks:											
	A1 - Surface A2 - High Wa A3 - Saturati B1 - Water M B2 - Sedime B3 - Drift De B4 - Algal Ma B5 - Iron De B7 - Inundati	ater Table on ⁄larks nt Deposits posits at or Crust	gery	•	B9 - Wate B13 - Aqu B15 - Mar C1 - Hydr C3 - Oxidi C4 - Press C6 - Rece C7 - Thin	er-Stained latic Fauna I Deposits ogen Sulfi ized Rhizo ence of Re ent Iron Re Muck Surf	a de Odor spheres on Living Roots aduced Iron duction in Tilled Soils ace			<ul> <li>B6 - Surface Soil 0</li> <li>B10 - Drainage Pa</li> <li>B16 - Moss Trim L</li> <li>C2 - Dry-Season V</li> <li>C3 - Crayfish Burr</li> <li>C9 - Saturation Vis</li> <li>D1 - Stunted or St</li> <li>D2 - Geomorphic</li> <li>D3 - Shallow Aqui</li> <li>D4 - Microtopogra</li> <li>D5 - FAC-Neutral</li> </ul>	atterns ines Water Table ows sible on Aerial Imagery ressed Plants Position tard phic Relief
Field Observat			_								
Surface Water Water Table Pr Saturation Pres	esent?	□ Yes ☑ No ☑ Yes □ No ☑ Yes □ No	Depth: Depth: Depth:	12	(in.) (in.) (in.)			Wetland Hyd	drology Pro	esent? ☑	Yes 🗆 No
Describe Record	led Data (str	eam gauge, monitorin	g well, aeria	al photos	, previous	inspectio	ns), if available:		N/A		
Remarks:											
SOILS											
	otion (Describe to	the depth needed to document the indi	cator or confirm the a	absence of indica	ators.) (Type: C=C	Concentration, D	=Depletion, RM=Reduced Matrix, CS=Cov	ered/Coated Sand Grains;	Location: PL=Pore L	ining, M=Matrix)	
Тор	Bottom			Matrix				Mottles		•	Texture
Depth	Depth	Horizon	Color (I	Moist)	%		Color (Moist)	%	Туре	Location	(e.g. clay, sand, loam)
2	0	1		NR							mucky peat
0	3	2	2.5Y	4/1	98			2	С	M	sandy loam
3	16	3	5Y	5/2	90	7.5YR	5/6	10	С	M	clay loam
	A1- Histosol A2 - Histic E A3 - Black H A4 - Hydroge A5 - Stratifie A11 - Deplet A12 - Thick I S1 - Sandy N S4 - Sandy C S5 - Sandy F S6 - Stripped	pipedon istic en Sulfide d Layers ed Below Dark Surface Dark Surface Auck Mineral Sleyed Matrix Redox	re if indicat		S8 - Polyv S9 - Thin	value Belo Dark Surfa ny Mucky I ny Gleyed eted Matrix ox Dark Su eted Dark	w Surface (LRR R, MLRA 1498) ace (LRR R, MLRA 1498) Mineral (LRR K, L) Matrix c c frace Surface		A10 - 2 cm I A16 - Coast S3 - 5cm Mu S7 - Dark S0 S8 - Polyval S9 - Thin Da F12 - Iron-M F19 - Piedm TA6 - Mesic TF2 - Red P TF12 - Very Other (Expla	matic Soils 1 Muck (LRR K, L, MLRA 14 Prairie Redox (LRR I ucky Peat of Peat ( urface (LRR K, L, M) ue Below Surface ( ark Surface (LRR K, L) langanese Masses sont Floodplain Soili Spodic (MLRA 144A, 14 'arent Material Shallow Dark Surfa atin in Remarks) ation and wetland hydrology m	K, L, R) .RR K, L, R) .(LRR K, L, R) S (MLRA 149B) 15, 149B)
Restrictive Layer (If Observed)	Туре:	NR		Depth:	16 in.			Hydric Soil I		V	Yes 🗆 No
Remarks:	Concentrat	tions in Horizon 2 we	ere faint, un	able to c	letermine	color.					



Northeast and Northcentral Region

Project/Site:	Weaver Wind Project				Wetland ID: W218 Sample Point Wetland
-					
VEGETATION		species.)	)		
Tree Stratum (PI	ot size: 10 meter radius)				
	Species Name		Dominant	Ind.Status	Dominance Test Worksheet
1.	Betula alleghaniensis	10	Y	FAC	
2.	Acer rubrum	10	Y	FAC	Number of Dominant Species that are OBL, FACW, or FAC: <u>8</u> (A)
3.	Abies balsamea	5	Y	FAC	
4.					Total Number of Dominant Species Across All Strata: 8 (B)
5.					
6.					Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.					
8.					Prevalence Index Worksheet
9.					Total % Cover of: Multiply by:
10.					OBL spp. 30 X 1 = 30
	Total Cover =	25			FACW spp. 75 X 2 = 150
					FAC spp. 80 X 3 = 240
Sapling/Shrub Str	atum (Plot size: 5 meter radius)				FACU spp. 20 x 4 = $80$
1.	Fraxinus pennsylvanica	30	Y	FACW	UPL spp. 0 $\times 5 = 0$
2.	Betula alleghaniensis	20	Y	FAC	• • • • • • • • • • • • • • • • • • •
3.	Acer rubrum	5	N	FAC	Total <u>205</u> (A) <u>500</u> (B)
4.	Acer spicatum	5	N	FACU	
5.					Prevalence Index = B/A = 2.439
6.					Prevalence index = D/R = 2.439
7.					
					Indrankutia Variation Indiastary
8.					Hydrophytic Vegetation Indicators:
9.					Yes I No Rapid Test for Hydrophytic Vegetation
10.					✓ Yes
	Total Cover =	60			✓ Yes $\Box$ No Prevalence Index is $\leq 3.0$ *
					Yes I No Morphological Adaptations (Explain) *
Herb Stratum (Pla	ot size: 2 meter radius)				Yes I No Problem Hydrophytic Vegetation (Explain) *
1.	Carex crinita	30	Y	OBL	* Indicators of hydric soil and wetland hydrology must be
2.	Onoclea sensibilis	25	Y	FACW	present, unless disturbed or problematic.
3.	Parathelypteris noveboracensis	25	Y	FAC	
4.	Aralia nudicaulis	15	N	FACU	Definitions of Vegetation Strata:
5.	Rubus pubescens	15	N	FACW	
6	Equisetum sylvaticum	5	Ν	FACW	Tree - Woody plants 3 in. (7.6cm) or more in diameter at breast
7.	Betula alleghaniensis	5	N	FAC	height (DBH), regardless of height.
8.					
9.					Sapling/Shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft.
10.					tall.
11.					
12.					Herb - All herbaceous (non-woody) plants, regardless of size, and
13.					woody plants less than 3.28 ft. tall.
13.					
14.					Woody Vines - All woody vines greater than 3.28 ft. in height.
15.					WUOUY WITES - An WOODY WITES greater than 0.20 ft. In height.
	Total Cover =	120			
<u> </u>					
	tum (Plot size: 10 meter radius)				
1.					
2.					
3.					Hydrophytic Vegetation Present 🥑 Yes 🗆 No
4.					
5.					
	Total Cover =	0			
Remarks:		-			
<u> </u>					

Weaver Wind Project MDEP Natural Resource Protection Act Application ATTACHMENT 9: SITE CONDITIONS REPORT

# Exhibit 9-3

Vernal Pool Determination Documentation



Stantec Consulting Services Inc. 30 Park Drive, Topsham ME 04086-1737

May 29, 2015

Attention: Jason Czapiga and Beth Swartz Maine Department of Inland Fisheries and Wildlife 650 State Street Bangor, ME 04401

# Reference: Vernal Pool Spring 2015 Surveys: Weaver Wind Project, Hancock County, Maine

Dear Jason and Beth,

As you area aware, Weaver Wind LLC, a subsidiary of SunEdison, submitted a Site Location of Development and Natural Resources Protection Act application to the Maine Department of Environmental Protection (DEP) for the proposed Weaver Wind Project (Project) in Hancock County, Maine. On March 3, 2015 Stantec submitted Maine State Vernal Pool Assessment Forms for 20 Potential Significant Vernal Pools (PSVPs) and 4 Vernal Pools (VPs) associated with the project. This submission is to update IFW with the results of that field work.

During the seasonally appropriate spring amphibian breeding season between May 1, and May 26, 2015, Stantec conducted surveys verify the presence of amphibian egg masses and document the productivity of the 20 Potential Significant Vernal Pools (PSVPs) and two vernal pools located outside of the amphibian breeding season that were originally identified during summer 2014 because egg masses were present.

Regarding VP_16KN_N, commented on in IFW's May 26, 2015 comments on the Weaver project, it is a permanent body of water, Hazlam Pond. On May 6, 2015 two streams were observed flowing into the pond from the south and fish were observed in the pond. Fish and two tributaries were not observed during the initial visit on August 20, 2014, and the area was misidentified in 2014 as a vernal pool. There is a form included in this submission to address this and clarify the field conditions.

Included with this letter are materials to assist in your review of vernal pools associated with the Project.

The following materials are enclosed for the identified vernal pools and PVPs associated with the Project:

- 1. Maine State Vernal Pool Assessment Forms for 2 Significant Vernal Pools and 13 vernal pools.
- 2. A spreadsheet providing the landowner information for each vernal pool and included with this submission.



# Reference: Vernal Pool Data Forms: Weaver Wind Project, Hancock County, Maine

- 3. Shape files containing vernal pool center points, and center points and boundaries for vernal pools (on CD). The coordinate system for the shape files is: NAD 1983 Maine State Plane East US Survey Feet.
- 4. A CD containing electronic copies of the above-listed information.
- 5. A summary table of the results of the 2015 surveys.

Feel free to contact me if you have any questions about the information provided.

Regards,

# STANTEC CONSULTING SERVICES INC

note & Barres

Brooke Barnes Senior Associate, Environmental Services Phone: (207) 406-5461 Fax: (207) 729-2715 brooke.barnes@stantec.com

c. Jim Cassida, SunEdision



Reference: Vernal Pool Data Forms: Weaver Wind Project, Hancock County, Maine

2014 PSVP/VP ID	2015 Stantec Vernal Pool ID	New Designation
VP_06KN_N	VP_06KN_N	Vernal pool
PSVP_06MJ_N	VP_50KN_N	Vernal pool
PSVP_01KN_N	VP_55KN_N	Vernal pool
PSVP_02KN_N	VP_56KN_N	Vernal pool
PSVP_01AA_N	VP_51KN_M	Vernal pool
PSVP_13KN_N	VP_52KN_N	Vernal pool
PSVP_11KN_N	VP_61KN_N	Vernal pool
PSVP_03JL_N	VP_59KN_N	Vernal pool
PSVP_04JL_N	VP_60KN_N	Vernal pool
PSVP_01CF_N	VP_64KN_N	Vernal pool
PSVP_02CF_N	VP_62KN_N	Vernal pool
PSVP_04CF_N	VP_65KN_N	Vernal pool
PSVP_17KN_N	SVP_53KN_N	Significant vernal pool
PSVP_05CF_N	VP_57KN_N	Vernal pool
PSVP_37KN_N	SVP_63KN_N	Significant vernal pool
VP_16KN_N		Hazlam Pond
PSVP_10KN_N		Not a pool
PSVP_15KN_N		Not a pool
PSVP_28KN_N		Not a pool
PSVP_29KN_N		Not a pool
PSVP_36KN_N		Not a pool
PSVP_12CF_N		Not a pool

# Summary Table of Spring 2015 Vernal Pool Survey

#### STATE OF MAINE **DEPARTMENT OF ENVIRONMENTAL PROTECTION**



PAUL R. LEPAGE GOVERNOR

August 3, 2015

Karol Worden Stantec Consulting 20 Park Drive Topsham, ME 04086

Re: Vernal Pool Significance Determination, Pool ID #s 2588, 2590, 2595–Osborn

Dear Karol Worden,

Vernal pools are temporary to semi-permanent wetlands occurring in shallow depressions that typically fill during the spring and dry during the summer or in drought years. They provide important breeding and foraging habitat for a wide variety of specialized wildlife species including several rare, threatened, and endangered species.

Based on your re survey of the vernal pools listed above, it has been determined that the vernal pools identified above on the property of Tree Top Manufacturing, Inc. are NOT SIGNIFICANT because either: 1. the features do not meet the definition of a vernal pool under the Significant Wildlife Habitat rules, 06-096 CMR 335(9) or 2. the vernal pools do not meet the biological standards for exceptional wildlife use of the Significant Wildlife Habitat rules, 06-096 CMR 335(9)(B). Therefore, activities within 250 feet of the pools are not regulated under the Natural Resources Protection Act (NRPA) unless there are other protected natural resources nearby such as streams or freshwater wetlands. I have attached a copy of the database printout that verifies the State's findings with respect to your surveys.

I want to also advise you that the pool areas on the property can be considered freshwater wetlands and therefore direct pool alterations may require permitting under the NRPA.

The Department will notify the landowner of the pool status under separate cover. If you have any questions or need further clarification, please contact me at (207) 446-1611 or email at: mike.mullen@maine.gov

Sincerely,

Michael K. Mullen Division of Land Resource Regulation Bureau of Land & Water Quality

town file CC.

AUGUSTA 17 STATE HOUSE STATION AUGUSTA, MAINE 04333-0017 (207) 287-7688 FAX: (207) 287-7826 RAY BLDG., HOSPITAL ST.

BANGOR 106 HOGAN ROAD, SUITE 6 BANGOR, MAINE 04401 (207) 941-4570 FAX: (207) 941-4584 PORTLAND 312 CANCO ROAD PORTLAND, MAINE 04103 (207) 822-6300 FAX: (207) 822-6303 (207) 764-0477 FAX: (207) 760-3143

PRESQUE ISLE 1235 CENTRAL DRIVE, SKYWAY PARK PRESQUE ISLE, MAINE 04679-2094

OF ENVIRONM.

PATRICIA W. AHO

COMMISSIONER



# IFW Recommendations for Significant Vernal Pool Determinations

The following is a list of pools and IFW's recommendations for whether or not they qualify as Significant Vernal Pools, one of Maine's Significant Wildlife Habitats.

IFW's Pool ID: 2			ordinates of Pool Center: 560011 E, 4954626 N
Observer's ID: P	SVP_U1KN_N	ProjectT	ype: Weaver Wind
Landowner:	Tree Top Manufacturing, Inc.	Contact:	Karol Worden - Stantec Consulting
	382 Cave Hill Road		20 Park Drive
	Waltham, ME 04605		Topsham, ME 04086
		_	(207) 729-1199 karol.worden@stantec.co
Survey Date: 7/1	14/2014		
IFW's Recomme	ndation: RED: NOT SIGNIFICANT, doe	es not meet the l	piological criteria
IFW Comments:			ng window for indicator species, the pool's small size uggests pool size is limited by surrounding
IFW's Pool ID: 2 Observer's ID: V	588 Twp: Osborn P_55KN_N (former PSVP_01KN_N)		ordinates of Pool Center: 560011 E, 4954626 N ype: Weaver Wind
Landowner:	Tree Top Manufacturing, Inc.	Contact:	Karol Worden - Stantec Consulting
Landowilei.	382 Cave Hill Road	- Contact.	20 Park Drive
	Waltham, ME 04605	-	Topsham, ME 04086
		_	(207) 729-1199 karol.worden@stantec.co
	5/2015 Additional Survey Dates ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status remains as not sig	es not meet the l	5/26/2015 biological criteria
IFW's Recomme	ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status remains as not sig 590 Twp: Osborn	es not meet the l gnificant vernal p UTM Co	5/26/2015 biological criteria
IFW's Recomme IFW Comments: IFW's Pool ID: 2: Observer's ID: P	ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status remains as not sig 590 Twp: Osborn	es not meet the l gnificant vernal p UTM Co	5/26/2015 biological criteria bool ordinates of Pool Center: 560032 E, 4954604 N
IFW's Recomme IFW Comments: IFW's Pool ID: 2: Observer's ID: P	ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status remains as not sig 590 Twp: Osborn SVP_02KN_N	es not meet the l gnificant vernal p UTM Co ProjectT	5/26/2015 biological criteria bool ordinates of Pool Center: 560032 E, 4954604 N iype: Weaver Wind
IFW's Recomme IFW Comments: IFW's Pool ID: 2: Observer's ID: P	ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status remains as not sig 590 Twp: Osborn SVP_02KN_N Tree Top Manufacturing, Inc.	es not meet the l gnificant vernal p UTM Co ProjectT	5/26/2015 biological criteria bool ordinates of Pool Center: 560032 E, 4954604 N Type: Weaver Wind Karol Worden - Stantec Consulting
IFW's Recomme IFW Comments: IFW's Pool ID: 2: Observer's ID: P	ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status remains as not sig 590 Twp: Osborn SVP_02KN_N Tree Top Manufacturing, Inc. 382 Cave Hill Road	es not meet the l gnificant vernal p UTM Co ProjectT	5/26/2015 biological criteria bool ordinates of Pool Center: 560032 E, 4954604 N iype: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive
IFW's Recomme IFW Comments: IFW's Pool ID: 2: Observer's ID: P	ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status remains as not sig 590 Twp: Osborn SVP_02KN_N Tree Top Manufacturing, Inc. 382 Cave Hill Road Waltham, ME 04605	es not meet the l gnificant vernal p UTM Co ProjectT	5/26/2015 biological criteria bool ordinates of Pool Center: 560032 E, 4954604 N type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086
IFW's Recomme IFW Comments: IFW's Pool ID: 2 Observer's ID: P Landowner: Survey Date: 7/1	ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status remains as not sig 590 Twp: Osborn SVP_02KN_N Tree Top Manufacturing, Inc. 382 Cave Hill Road Waltham, ME 04605	UTM Cc ProjectT Contact:	5/26/2015 biological criteria bool ordinates of Pool Center: 560032 E, 4954604 N ype: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co
IFW's Recomme IFW Comments: IFW's Pool ID: 2 Observer's ID: P Landowner: Survey Date: 7/1 IFW's Recomme	ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status remains as not sig 590 Twp: Osborn SVP_02KN_N Tree Top Manufacturing, Inc. 382 Cave Hill Road Waltham, ME 04605 4/2014 ndation: RED: NOT SIGNIFICANT, doe Although surveyed well outside the rec	UTM Co ProjectT Contact: 	5/26/2015 biological criteria bool ordinates of Pool Center: 560032 E, 4954604 N ype: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co
IFW's Recomme IFW Comments: IFW's Pool ID: 2 Observer's ID: P Landowner: Survey Date: 7/1 IFW's Recomme	ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status remains as not sig 590 Twp: Osborn SVP_02KN_N Tree Top Manufacturing, Inc. 382 Cave Hill Road Waltham, ME 04605 4/2014 Indation: RED: NOT SIGNIFICANT, doe Although surveyed well outside the rec preclude likely being able to meet crite	es not meet the l gnificant vernal p UTM Co ProjectT Contact: 	5/26/2015 biological criteria bool ordinates of Pool Center: 560032 E, 4954604 N ype: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria ng window for indicator species, pool size is small ei
IFW's Recomme IFW Comments: IFW's Pool ID: 20 Observer's ID: P Landowner: Survey Date: 7/1 IFW's Recomme IFW Comments: IFW's Pool ID: 20	ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status remains as not sig 590 Twp: Osborn SVP_02KN_N Tree Top Manufacturing, Inc. 382 Cave Hill Road Waltham, ME 04605 4/2014 Indation: RED: NOT SIGNIFICANT, doe Although surveyed well outside the rec preclude likely being able to meet crite	es not meet the l gnificant vernal p UTM Co ProjectT Contact: 	5/26/2015 biological criteria bool ordinates of Pool Center: 560032 E, 4954604 N ype: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria ng window for indicator species, pool size is small en to suggests pool size is limited by surrounding topog
IFW's Recomme IFW Comments: IFW's Pool ID: 20 Observer's ID: P Landowner: Survey Date: 7/1 IFW's Recomme IFW Comments: IFW's Pool ID: 20	ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status remains as not sig 590 Twp: Osborn SVP_02KN_N Tree Top Manufacturing, Inc. 382 Cave Hill Road Waltham, ME 04605 14/2014 Indation: RED: NOT SIGNIFICANT, doe Although surveyed well outside the rec preclude likely being able to meet crite 590 Twp: Osborn	es not meet the l gnificant vernal p UTM Co ProjectT Contact: 	5/26/2015 biological criteria bool ordinates of Pool Center: 560032 E, 4954604 N ype: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria ng window for indicator species, pool size is small en to suggests pool size is limited by surrounding topog ordinates of Pool Center: 560032 E, 4954604 N
IFW's Recomme IFW Comments: IFW's Pool ID: 2 Observer's ID: P Landowner: Survey Date: 7/1 IFW's Recomme IFW Comments: IFW's Pool ID: 2 Observer's ID: V	ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status remains as not sig 590 Twp: Osborn SVP_02KN_N Tree Top Manufacturing, Inc. 382 Cave Hill Road Waltham, ME 04605 44/2014 Indation: RED: NOT SIGNIFICANT, doe Although surveyed well outside the rec preclude likely being able to meet crite 590 Twp: Osborn P_56KN_N (former PSVP 02KN_N_)	es not meet the l gnificant vernal p UTM Cc ProjectT Contact: 	5/26/2015 biological criteria bool ordinates of Pool Center: 560032 E, 4954604 N ype: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria ng window for indicator species, pool size is small en to suggests pool size is limited by surrounding topog fordinates of Pool Center: 560032 E, 4954604 N ype: Weaver Wind
IFW's Recomme IFW Comments: IFW's Pool ID: 2 Observer's ID: P Landowner: Survey Date: 7/1 IFW's Recomme IFW Comments: IFW's Pool ID: 2 Observer's ID: V	ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status remains as not sig 590 Twp: Osborn SVP_02KN_N Tree Top Manufacturing, Inc. 382 Cave Hill Road Waltham, ME 04605 44/2014 Indation: RED: NOT SIGNIFICANT, doe Although surveyed well outside the rec preclude likely being able to meet crite 590 Twp: Osborn P_56KN_N (former PSVP 02KN_N_) Tree Top Manufacturing, Inc.	es not meet the l gnificant vernal p UTM Cc ProjectT Contact: 	5/26/2015 biological criteria bool biordinates of Pool Center: 560032 E, 4954604 N ype: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria ng window for indicator species, pool size is small en to suggests pool size is limited by surrounding topog biordinates of Pool Center: 560032 E, 4954604 N ype: Weaver Wind Karol Worden - Stantec Consulting
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# IFW Recommendations for Significant Vernal Pool Determinations

The following is a list of pools and IFW's recommendations for whether or not they qualify as Significant Vernal Pools, one of Maine's Significant Wildlife Habitats.

IFW's Pool ID: 2 Observer's ID: V	595 Twp: Osborn P_50KN_N (former PSVP 06MJ N		pordinates of Pool Center: 564690 E, 4955223 N Type: Weaver Wind
Landowner:	Tree Top Manufacturing, Inc.	Contact:	Karol Worden - Stantec Consulting
Landowner.	382 Cave Hill Road		20 Park Drive
	Waltham, ME 04605		Topsham, ME 04086
			(207) 729-1199 karol.worden@stantec.co
	ndation: RED: NOT SIGNIFICANT, o Resurveyed - status updated from p	does not meet the ootential vernal poo	ol to not significant vernal pool; permanent inlet/out
IFW's Recomme IFW Comments:	ndation: RED: NOT SIGNIFICANT, o Resurveyed - status updated from p connected to stream; pool hydroper	does not meet the otential vernal poo iod is likely perma	ol to not significant vernal pool; permanent inlet/out nent
IFW's Recomme	ndation: RED: NOT SIGNIFICANT, or Resurveyed - status updated from p connected to stream; pool hydroper 595 Twp: Osborn	does not meet the optential vernal poo iod is likely perma UTM Co	ol to not significant vernal pool; permanent inlet/out
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IFW's Recomme IFW Comments: IFW's Pool ID: 2 Observer's ID: P	ndation: RED: NOT SIGNIFICANT, or Resurveyed - status updated from p connected to stream; pool hydroper 595 Twp: Osborn SVP_06MJ_N Tree Top Manufacturing, Inc.	does not meet the otential vernal poo iod is likely perma UTM Co Project	ol to not significant vernal pool; permanent inlet/ou nent pordinates of Pool Center: 564690 E, 4955223 N Type: Weaver Wind Karol Worden - Stantec Consulting

IFW's Recommendation: RED: NOT SIGNIFICANT, does not meet the vernal pool definition

IFW Comments: Pool surveyed outside the recommended timing window for indicator species

#### STATE OF MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION



PAUL R. LEPAGE GOVERNOR

August 3, 2015

Karol Worden Stantec Consulting 20 Park Drive Topsham, ME 04086

Re: Vernal Pool Significance Determination, Pool ID # 2586-T22 MD BPP

Dear Karol Worden,

Vernal pools are temporary to semi-permanent wetlands occurring in shallow depressions that typically fill during the spring and dry during the summer or in drought years. They provide important breeding and foraging habitat for a wide variety of specialized wildlife species including several rare, threatened, and endangered species.

Based on your re survey of the vernal pool listed above, it has been determined that the vernal pool identified above on the property of URSA Major, LLC is NOT SIGNIFICANT because either: 1. the feature does not meet the definition of a vernal pool under the Significant Wildlife Habitat rules, 06-096 CMR 335(9) or 2. the vernal pool does not meet the biological standards for exceptional wildlife use of the Significant Wildlife Habitat rules, 06-096 CMR 335(9)(B). Therefore, activities within 250 feet of the pool are not regulated under the Natural Resources Protection Act (NRPA) unless there are other protected natural resources nearby such as streams or freshwater wetlands. I have attached a copy of the database printout that verifies the State's findings with respect to your survey.

I want to also advise you that the pool area on the property can be considered a freshwater wetland and therefore direct pool alterations may require permitting under the NRPA.

The Department will notify the landowner of the pool status under separate cover. If you have any questions or need further clarification, please contact me at (207) 446-1611 or email at: mike.mullen@maine.gov

Sincerely,

Michael K. Mullen **Division of Land Resource Regulation** Bureau of Land & Water Quality

town file CC.

AUGUSTA 17 STATE HOUSE STATION AUGUSTA, MAINE 04333-0017 (207) 287-7688 FAX: (207) 287-7826 RAY BLDG., HOSPITAL ST.

BANGOR 106 HOGAN ROAD, SUITE 6 BANGOR, MAINE 04401 (207) 941-4570 FAX: (207) 941-4584 PORTLAND 312 CANCO ROAD PORTLAND, MAINE 04103 (207) 822-6300 FAX: (207) 822-6303 (207) 764-0477 FAX: (207) 760-3143

PRESQUE ISLE 1235 CENTRAL DRIVE, SKYWAY PARK PRESQUE ISLE, MAINE 04679-2094

WIRDNAR

PATRICIA W. AHO

COMMISSIONER

#### STATE OF MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION



PAUL R. LEPAGE GOVERNOR

August 3, 2015

Karol Worden Stantec Consulting 20 Park Drive Topsham, ME 04086

Re: Vernal Pool Significance Determination, Pool ID #s 2601, 2605–Osborn

Dear Karol Worden,

Vernal pools are temporary to semi-permanent wetlands occurring in shallow depressions that typically fill during the spring and dry during the summer or in drought years. They provide important breeding and foraging habitat for a wide variety of specialized wildlife species including several rare, threatened, and endangered species.

Based on your re survey of the vernal pools listed above, it has been determined that the vernal pools identified above on the property of URSA Major, LLC are SIGNIFICANT. I have attached a copy of the database printout that verifies the State's findings with respect to our surveys.

As a significant vernal pool, all areas <u>on the URSA Major, LLC property</u> within 250 feet of the vernal pool depressions, known as the "critical terrestrial habitat", will be subject to the requirements of the Natural Resources Protection Act, 38 M.R.S.A. §§480-A to 480-FF, and the Significant Wildlife Habitat rules, 06-096 CMR 335.

The Department will ensure that the vernal pools' location and status is entered and mapped in the State's vernal pool database. Note that if the pool depression (only) crosses two or more property boundaries the abutter(s) are similarly subject to the requirements of the Natural Resources Protection Act and the Significant Wildlife Habitat rules.

The Department will notify the landowner of the pool status under separate cover. If you have any questions or need further clarification, please contact me at (207) 446-1611 or email at: <u>mike.mullen@maine.gov</u>

Sincerely,

Michael K. Mullen Division of Land Resource Regulation Bureau of Land & Water Quality

cc. town file

AUGUSTA 17 STATE HOUSE STATION AUGUSTA, MAINE 04333-0017 (207) 287-7688 FAX: (207) 287-7826 RAY BLDG., HOSPITAL ST.

BANGOR 106 HOGAN ROAD, SUITE 6 BANGOR, MAINE 04401 (207) 941-4570 FAX: (207) 941-4584 PORTLAND 312 CANCO ROAD PORTLAND, MAINE 04103 (207) 822-6300 FAX: (207) 822-6303 PRESQUE ISLE 1235 CENTRAL DRIVE, SKYWAY PARK PRESQUE ISLE, MAINE 04679-2094 (207) 764-0477 FAX: (207) 760-3143

NVIRONME

PATRICIA W. AHO

COMMISSIONER

#### STATE OF MAINE **DEPARTMENT OF ENVIRONMENTAL PROTECTION**



PAUL R. LEPAGE GOVERNOR

August 3, 2015

Karol Worden Stantec Consulting 20 Park Drive Topsham, ME 04086

Re: Vernal Pool Significance Determination, Pool ID #s 2587, 2589, 2591, 2592, 2593, 2594, 2596, 2597, 2598, 2599, 2600, 2602, 2603, 2604, 2608, 2609-Osborn

Dear Karol Worden.

Vernal pools are temporary to semi-permanent wetlands occurring in shallow depressions that typically fill during the spring and dry during the summer or in drought years. They provide important breeding and foraging habitat for a wide variety of specialized wildlife species including several rare, threatened, and endangered species.

Based on your resurvey of the vernal pools listed above, it has been determined that the vernal pools identified above on the property of URSA Major, LLC are NOT SIGNIFICANT because either: 1. the features do not meet the definition of a vernal pool under the Significant Wildlife Habitat rules, 06-096 CMR 335(9) or 2. the vernal pools do not meet the biological standards for exceptional wildlife use of the Significant Wildlife Habitat rules, 06-096 CMR 335(9)(B). Therefore, activities within 250 feet of the pools are not regulated under the Natural Resources Protection Act (NRPA) unless there are other protected natural resources nearby such as streams or freshwater wetlands. I have attached a copy of the database printout that verifies the State's findings with respect to your surveys.

I want to also advise you that the pool areas on the property can be considered freshwater wetlands and therefore direct pool alterations may require permitting under the NRPA.

The Department will notify the landowner of the pool status under separate cover. If you have any questions or need further clarification, please contact me at (207) 446-1611 or email at: mike.mullen@maine.gov

Sincerely,

Michael K. Mullen **Division of Land Resource Regulation** Bureau of Land & Water Quality

CC town file

AUGUSTA 17 STATE HOUSE STATION AUGUSTA, MAINE 04333-0017 (207) 287-7688 FAX: (207) 287-7826 RAY BLDG., HOSPITAL ST.

BANGOR 106 HOGAN ROAD, SUITE 6 BANGOR, MAINE 04401 (207) 941-4570 FAX: (207) 941-4584

PORTLAND 312 CANCO ROAD PORTLAND, MAINE 04103 (207) 822-6300 FAX: (207) 822-6303 (207) 764-0477 FAX: (207) 760-3143

PRESQUE ISLE 1235 CENTRAL DRIVE, SKYWAY PARK PRESQUE ISLE, MAINE 04679-2094

ENVIRONMEN

STATE OF MI

PATRICIA W. AHO

COMMISSIONER

IFW's Pool ID: 25	586 Twp: T22 MD BPP	UTM Cod	ordinates of Pool Center: 565258 E, 4955217 N
Observer's ID: VF	P_51KN_M (former PSVP_01AA_N)	ProjectT	ype: Weaver Wind
Landowner:	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	C/O AFM, 40 Champion Lane		20 Park Drive
	Milford, ME 04461		Topsham, ME 04086
			(207) 729-1199 karol.worden@stantec.co
Cumunu Datas Eld		05/44/0045	
Survey Date: 5/1	,		
	ndation: RED: NOT SIGNIFICANT, doe		
IFW Comments.	Resurveyed - status updated from pot	ential vernai pool	to not significant vernal pool; pool impounded by ro
IFW's Pool ID: 25	586 Twp: T22 MD BPP	UTM Cod	ordinates of Pool Center: 565258 E, 4955217 N
Observer's ID: PS	SVP_01AA_N	ProjectT	ype: Weaver Wind
Landowner:	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	C/O AFM, 40 Champion Lane		20 Park Drive
	Milford, ME 04461		Topsham, ME 04086
		_	(207) 729-1199 karol.worden@stantec.co
Survey Date: 7/1	8/2014		
	ndation: RED: NOT SIGNIFICANT, doe	es not meet the v	ernal pool definition
	surveyed outside recommended timing		
		-	
	587 Twp: Osborn		ordinates of Pool Center: 562120 E, 4961573 N
Observer's ID. PS	SVP_01CF_N	ProjectT	ype: Weaver Wind
00301401310.10			
	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	URSA Major, LLC C/O AFM, 40 Champion Lane	Contact:	20 Park Drive
	the second s	Contact:	
	C/O AFM, 40 Champion Lane	_ Contact: 	20 Park Drive
Landowner:	C/O AFM, 40 Champion Lane Milford, ME 04461	Contact: 	20 Park Drive Topsham, ME 04086
Landowner: Survey Date: 8/1	C/O AFM, 40 Champion Lane Milford, ME 04461 9/2014		20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co
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Landowner: Survey Date: 8/1 IFW's Recommer IFW Comments: IFW's Pool ID: 25 Observer's ID: VF	C/O AFM, 40 Champion Lane Milford, ME 04461 9/2014 ndation: RED: NOT SIGNIFICANT, doe pool surveyed well outside the recomm 587 Twp: Osborn P_64KN_N (former PSVP_01CF_N) URSA Major, LLC	es not meet the b nended timing wi	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria ndow for indicator species. ordinates of Pool Center: 562120 E, 4961573 N ype: Weaver Wind Karol Worden - Stantec Consulting
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Landowner: Survey Date: 8/1 IFW's Recomments: IFW's Pool ID: 25 Observer's ID: VF Landowner: Survey Date: 5/6 IFW's Recomments: IFW's Pool ID: 25 Observer's ID: PS	C/O AFM, 40 Champion Lane Milford, ME 04461 9/2014 ndation: RED: NOT SIGNIFICANT, doe pool surveyed well outside the recomm 587 Twp: Osborn P_64KN_N (former PSVP_01CF_N) URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461  /2015 Additional Survey Dates ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status updated from pote 589 Twp: Osborn SVP_02CF_N	es not meet the b nended timing wi UTM Coo ProjectTy Contact: 	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         ndow for indicator species.         ordinates of Pool Center:         562120 E, 4961573 N         ype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         to not significant vernal pool         ordinates of Pool Center:         561716 E, 4961201 N         ype: Weaver Wind
Landowner: Survey Date: 8/1 IFW's Recommer IFW Comments: IFW's Pool ID: 25 Observer's ID: VF Landowner: Survey Date: 5/6 IFW's Recommer IFW Comments: IFW's Pool ID: 25	C/O AFM, 40 Champion Lane Milford, ME 04461 9/2014 ndation: RED: NOT SIGNIFICANT, doe pool surveyed well outside the recomm 587 Twp: Osborn P_64KN_N (former PSVP_01CF_N) URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 /2015 Additional Survey Dates ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status updated from pote 589 Twp: Osborn SVP_02CF_N URSA Major, LLC	es not meet the b nended timing wi UTM Coo Project Ty Contact: 	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         ndow for indicator species.         ordinates of Pool Center:         562120 E, 4961573 N         ype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         to not significant vernal pool         ordinates of Pool Center:         561716 E, 4961201 N         ype: Weaver Wind         Karol Worden - Stantec Consulting
Landowner: Survey Date: 8/1 IFW's Recomments: IFW's Pool ID: 25 Observer's ID: VF Landowner: Survey Date: 5/6 IFW's Recomments: IFW's Pool ID: 25 Observer's ID: PS	C/O AFM, 40 Champion Lane Milford, ME 04461 9/2014 ndation: RED: NOT SIGNIFICANT, doe pool surveyed well outside the recomm 587 Twp: Osborn P_64KN_N (former PSVP_01CF_N) URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 /2015 Additional Survey Dates ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status updated from pote 589 Twp: Osborn SVP_02CF_N URSA Major, LLC C/O AFM, 40 Champion Lane	es not meet the b nended timing wi UTM Coo ProjectTy Contact: 	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         ndow for indicator species.         ordinates of Pool Center:         562120 E, 4961573 N         ype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         v/26/2015         biological criteria         to not significant vernal pool         ordinates of Pool Center:       561716 E, 4961201 N         ype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive
Landowner: Survey Date: 8/1 IFW's Recomments: IFW's Pool ID: 25 Observer's ID: VF Landowner: Survey Date: 5/6 IFW's Recomments: IFW's Pool ID: 25 Observer's ID: PS	C/O AFM, 40 Champion Lane Milford, ME 04461 9/2014 ndation: RED: NOT SIGNIFICANT, doe pool surveyed well outside the recomm 587 Twp: Osborn P_64KN_N (former PSVP_01CF_N) URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 /2015 Additional Survey Dates ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status updated from pote 589 Twp: Osborn SVP_02CF_N URSA Major, LLC	es not meet the b nended timing wi UTM Coo ProjectTy Contact: 	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         ndow for indicator species.         ordinates of Pool Center:         562120 E, 4961573 N         ype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         V/26/2015         biological criteria         to not significant vernal pool         ordinates of Pool Center:       561716 E, 4961201 N         ype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         Ype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086
Landowner: Survey Date: 8/1 IFW's Recomments: IFW's Pool ID: 25 Observer's ID: VF Landowner: Survey Date: 5/6 IFW's Recomments: IFW's Pool ID: 25 Observer's ID: PS	C/O AFM, 40 Champion Lane Milford, ME 04461 9/2014 ndation: RED: NOT SIGNIFICANT, doe pool surveyed well outside the recomm 587 Twp: Osborn P_64KN_N (former PSVP_01CF_N) URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 /2015 Additional Survey Dates ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status updated from pote 589 Twp: Osborn SVP_02CF_N URSA Major, LLC C/O AFM, 40 Champion Lane	es not meet the b nended timing wi UTM Coo ProjectTy Contact: 	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         ndow for indicator species.         ordinates of Pool Center:         562120 E, 4961573 N         ype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         v/26/2015         biological criteria         to not significant vernal pool         ordinates of Pool Center:       561716 E, 4961201 N         ype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive
Landowner: Survey Date: 8/1 IFW's Recomments: IFW's Pool ID: 25 Observer's ID: VF Landowner: Survey Date: 5/6 IFW's Recomments: IFW's Pool ID: 25 Observer's ID: PS	C/O AFM, 40 Champion Lane Milford, ME 04461 9/2014 ndation: RED: NOT SIGNIFICANT, doe pool surveyed well outside the recomm 587 Twp: Osborn P_64KN_N (former PSVP_01CF_N) URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 /2015 Additional Survey Dates ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status updated from pote 589 Twp: Osborn SVP_02CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 	es not meet the b nended timing wi UTM Coo ProjectTy Contact: 	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         ndow for indicator species.         ordinates of Pool Center:         562120 E, 4961573 N         ype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         V/26/2015         biological criteria         to not significant vernal pool         ordinates of Pool Center:       561716 E, 4961201 N         ype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         Ype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086
Landowner: Survey Date: 8/1 IFW's Recommer IFW Comments: IFW's Pool ID: 25 Observer's ID: Vf Landowner: Survey Date: 5/6 IFW's Recommer IFW Comments: IFW's Pool ID: 25 Observer's ID: PS Landowner: Landowner:	C/O AFM, 40 Champion Lane Milford, ME 04461 9/2014 ndation: RED: NOT SIGNIFICANT, doe pool surveyed well outside the recomm 587 Twp: Osborn P_64KN_N (former PSVP_01CF_N) URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 /2015 Additional Survey Dates ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status updated from pote 589 Twp: Osborn SVP_02CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 	es not meet the b nended timing wi UTM Coo ProjectTy Contact: 	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         ndow for indicator species.         ordinates of Pool Center:         562120 E, 4961573 N         ype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         to not significant vernal pool         ordinates of Pool Center:         561716 E, 4961201 N         ype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co

	Data current as	of: Friday,	July 31, 2015
IFW's Pool ID:	2589 Twp: Osborn	UTM Co	pordinates of Pool Center: 561716 E, 4961201 N
Observer's ID: '	VP_62KN_N (formerly PSV_02_CF_N)	Project1	Type: Weaver Wind
Landowner	: URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	C/O AFM, 40 Champion Lane	_	20 Park Drive
	Milford, ME 04461	_	Topsham, ME 04086
			(207) 729-1199 karol.worden@stantec.co
Survey Date: 5	/6/2015 Additional Survey Dates	05/13/2015 0	5/26/2015
	endation: RED: NOT SIGNIFICANT, doe		
	s: Resurveyed - status updated from pote		-
IFW's Pool ID:	2591 Twp: Osborn		andinates of Deal Contern EE0260 E 4064666 N
Observer's ID: 1			oordinates of Pool Center: 559259 E, 4961565 N Type: Weaver Wind
		-	
Landowner	C/O AFM, 40 Champion Lane	Contact:	Karol Worden - Stantec Consulting 20 Park Drive
	Milford, ME 04461	-	Topsham, ME 04086
		_	(207) 729-1199 karol.worden@stantec.co
		_	(207) 723-1133 - Kalol. Worden@stantee.co
Survey Date: 8			
	endation: RED: NOT SIGNIFICANT, doe		
IFW Comments	<ul> <li>although pool surveyed well outside re habitat not likely to support pool large</li> </ul>		ning window for indicator species, photo suggests surrounding ort SVP
IFW's Pool ID:	2591 Twp: Osborn	UTM Co	pordinates of Pool Center: 559259 E, 4961565 N
Observer's ID: '	VP_59KN_N (former PSVP_03JL_N)	Project	Type: Weaver Wind
Landowner	: URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	C/O AFM, 40 Champion Lane	_	20 Park Drive
	Milford, ME 04461		Topsham, ME 04086
			(207) 729-1199 karol.worden@stantec.co
Survey Date: 5	/6/2015 Additional Survey Dates	05/14/2015	
	endation: RED: NOT SIGNIFICANT, doe		biological criteria
	s: Resurveyed - status remains as not sig		
IFW's Pool ID:			oordinates of Pool Center: 560496 E, 4962225 N Type: Weaver Wind
Observer's ID:			
Landowner	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	C/O AFM, 40 Champion Lane	_	20 Park Drive
	Milford, ME 04461	_	Topsham, ME 04086
		_	(207) 729-1199 karol.worden@stantec.co
Survey Date: 8	/19/2014		
IFW's Recomm	endation: RED: NOT SIGNIFICANT, doe	es not meet the	biological criteria
IFW Comments	s: pool surveyed well outside recommend	ded timing windo	ow for all indicator species.
IFW's Pool ID:	2592 Twp: Osborn	UTM Co	oordinates of Pool Center: 560496 E, 4962225 N
	VP 65KN N (former PSVP 04CF N)		Type: Weaver Wind
Landowner	/	Contact:	Karol Worden - Stantec Consulting
Landowiei	C/O AFM, 40 Champion Lane		20 Park Drive
	Milford, ME 04461		Topsham, ME 04086
			(207) 729-1199 karol.worden@stantec.co
		-	
Survey Date: 5		,	
	endation: RED: NOT SIGNIFICANT, doe		
IFW Comments	s: Resurveyed - status updated from pote	ential vernal poo	ol to not significant vernal pool

IFW's Pool ID: :	2593 Twp: Osborn	UTM C	oordinates of Pool Center: 559098 E, 4961295 N
	/P_60KN_N (former PSVP04JL_N)		Type: Weaver Wind
	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	C/O AFM, 40 Champion Lane		20 Park Drive
	Milford, ME 04461		Topsham, ME 04086
			(207) 729-1199 karol.worden@stantec.co
Cumunu Datas E			
Survey Date: 5/	,		La construction de la construction
	endation: RED: NOT SIGNIFICANT, do		
n vv comments	: Resurveyed - status updated from pot	ential vernal poo	n to not significant vernal pool
IFW's Pool ID: 2		UTM Co	pordinates of Pool Center: 559098 E, 4961295 N
Observer's ID: F		Project ⁻	Type: Weaver Wind
Landowner:	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	C/O AFM, 40 Champion Lane		20 Park Drive
	Milford, ME 04461		Topsham, ME 04086
			(207) 729-1199 karol.worden@stantec.co
Survey Date: 8/	14/2014		
	endation: RED: NOT SIGNIFICANT, do	es not meet the	biological criteria
	: Pool surveyed outside recommended		
IFW's Pool ID: 2			bordinates of Pool Center: 563417 E, 4957794 N
Observers ID. V	/P_57KN_N (former PSVP_05CF_N)	Project	Type: Weaver Wind
Landowner:	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
Landowner:	C/O AFM, 40 Champion Lane	Contact:	20 Park Drive
Landowner:		Contact:	20 Park Drive Topsham, ME 04086
Landowner:	C/O AFM, 40 Champion Lane	Contact:	20 Park Drive
Survey Date: 5/	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates	  : 05/13/2015	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co
Survey Date: 5/ IFW's Recomme	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, do	. 05/13/2015 es not meet the	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co
Survey Date: 5/ IFW's Recomme	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates	. 05/13/2015 es not meet the	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co
Survey Date: 5/ IFW's Recomme	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, doc : Resurveyed - status updated from pot	: 05/13/2015 es not meet the ential vernal poo	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria ol to not significant vernal pool
Survey Date: 5/ IFW's Recomme IFW Comments	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, doc : Resurveyed - status updated from pot	: 05/13/2015 es not meet the ential vernal poo	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co
Survey Date: 5/ IFW's Recomme IFW Comments IFW's Pool ID: 2 Observer's ID: F	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, do : Resurveyed - status updated from pot 2594 Twp: Osborn 2SVP_05CF_N	: 05/13/2015 es not meet the ential vernal poo UTM Co Project]	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria biological criteria biol to not significant vernal pool bordinates of Pool Center: 563417 E, 4957794 N Type: Weaver Wind
Survey Date: 5/ IFW's Recomme IFW Comments IFW's Pool ID: 2 Observer's ID: F	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, doc : Resurveyed - status updated from pot 2594 Twp: Osborn 2SVP_05CF_N URSA Major, LLC	: 05/13/2015 es not meet the ential vernal poo	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria biological criteria
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Survey Date: 5/ IFW's Recomme IFW Comments IFW's Pool ID: 2 Observer's ID: F	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot 2594 Twp: Osborn 2SVP_05CF_N URSA Major, LLC C/O AFM, 40 Champion Lane	: 05/13/2015 es not meet the ential vernal poo UTM Co Project]	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria of to not significant vernal pool bordinates of Pool Center: 563417 E, 4957794 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086
Survey Date: 5/ IFW's Recomme IFW Comments IFW's Pool ID: 2 Observer's ID: F Landowner:	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, dou : Resurveyed - status updated from pot 2594 Twp: Osborn 2SVP_05CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461	: 05/13/2015 es not meet the ential vernal poo UTM Co Project]	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria of to not significant vernal pool pordinates of Pool Center: 563417 E, 4957794 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive
Survey Date: 5/ IFW's Recomments IFW Comments IFW's Pool ID: 2 Observer's ID: F Landowner: Survey Date: 8/	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, dou : Resurveyed - status updated from pot 2594 Twp: Osborn 2SVP_05CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461	UTM Co Project Contact:	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria of to not significant vernal pool bordinates of Pool Center: 563417 E, 4957794 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co
Survey Date: 5/ IFW's Recomments IFW Comments IFW's Pool ID: 2 Observer's ID: F Landowner: Survey Date: 8/ IFW's Recomme	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, doc : Resurveyed - status updated from pot 2594 Twp: Osborn 2SVP_05CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 25/2014 endation: RED: NOT SIGNIFICANT, doc	UTM Co Project Contact:	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria of to not significant vernal pool pordinates of Pool Center: 563417 E, 4957794 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria
Survey Date: 5/ IFW's Recomments IFW Comments IFW's Pool ID: 2 Observer's ID: F Landowner: Survey Date: 8/ IFW's Recomme	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, dou : Resurveyed - status updated from pot 2594 Twp: Osborn 2SVP_05CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461	UTM Co Project Contact:	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria of to not significant vernal pool pordinates of Pool Center: 563417 E, 4957794 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria
Survey Date: 5/ IFW's Recomments IFW Comments IFW's Pool ID: 2 Observer's ID: F Landowner: Survey Date: 8/ IFW's Recomme	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, doc Resurveyed - status updated from pot 2594 Twp: Osborn 25VP_05CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 25/2014 endation: RED: NOT SIGNIFICANT, doc r pool surveyed well outside the recomm	UTM Co Project Contact:	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria of to not significant vernal pool pordinates of Pool Center: 563417 E, 4957794 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria
Survey Date: 5/ IFW's Recomme IFW Comments IFW's Pool ID: 2 Observer's ID: F Landowner: Survey Date: 8/ IFW's Recomme IFW Comments:	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, doc : Resurveyed - status updated from pot 2594 Twp: Osborn 25VP_05CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 25/2014 endation: RED: NOT SIGNIFICANT, doc : pool surveyed well outside the recomm 2596 Twp: Osborn	UTM Contact:	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria of to not significant vernal pool pordinates of Pool Center: 563417 E, 4957794 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria indow for indicator species.
Survey Date: 5/ IFW's Recomments IFW Comments IFW's Pool ID: 2 Observer's ID: F Landowner: Survey Date: 8/ IFW's Recomments IFW Comments: IFW's Pool ID: 2 Observer's ID: P	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, doc Resurveyed - status updated from pot 2594 Twp: Osborn 2SVP_05CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 25/2014 endation: RED: NOT SIGNIFICANT, doc pool surveyed well outside the recomm 2596 Twp: Osborn 2SVP_10KN_N	UTM Contact:	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         ol to not significant vernal pool         bordinates of Pool Center:         563417 E, 4957794 N         Type: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         indow for indicator species.         bordinates of Pool Center:         559433 E, 4961482 N         Type: Weaver Wind
Survey Date: 5/ IFW's Recomments IFW Comments IFW's Pool ID: 2 Observer's ID: F Landowner: Survey Date: 8/ IFW's Recomments IFW Comments: IFW's Pool ID: 2 Observer's ID: P	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, doc : Resurveyed - status updated from pot 2594 Twp: Osborn 25VP_05CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 25/2014 endation: RED: NOT SIGNIFICANT, doc : pool surveyed well outside the recomm 2596 Twp: Osborn	Contact: es not meet the project Contact: es not meet the nended timing w UTM Co Project	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         ol to not significant vernal pool         pordinates of Pool Center:         563417 E, 4957794 N         Type:         Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         indow for indicator species.         pordinates of Pool Center:         559433 E, 4961482 N
Survey Date: 5/ IFW's Recomments IFW Comments IFW's Pool ID: 2 Observer's ID: F Landowner: Survey Date: 8/ IFW's Recomments IFW Comments: IFW's Pool ID: 2 Observer's ID: P	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates andation: RED: NOT SIGNIFICANT, doc : Resurveyed - status updated from pot 2594 Twp: Osborn 25VP_05CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 25/2014 andation: RED: NOT SIGNIFICANT, doc : pool surveyed well outside the recomm 2596 Twp: Osborn 25VP_10KN_N URSA Major, LLC	Contact: es not meet the project Contact: es not meet the nended timing w UTM Co Project	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         ol to not significant vernal pool         bordinates of Pool Center:         563417 E, 4957794 N         Type: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         indow for indicator species.         biordinates of Pool Center:         559433 E, 4961482 N         Type: Weaver Wind         Karol Worden - Stantec Consulting
Survey Date: 5/ IFW's Recomments IFW Comments IFW's Pool ID: 2 Observer's ID: F Landowner: Survey Date: 8/ IFW's Recomments IFW Comments: IFW's Pool ID: 2 Observer's ID: P	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, doc Resurveyed - status updated from pot 2594 Twp: Osborn 25VP_05CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 25/2014 endation: RED: NOT SIGNIFICANT, doc pool surveyed well outside the recomm 2596 Twp: Osborn 2596 Twp: Osborn 2596 Twp: Osborn 2596 Twp: Osborn 2596 Twp: Osborn 2596 Twp: Osborn 2597_10KN_N URSA Major, LLC C/O AFM, 40 Champion Lane	Contact: es not meet the project Contact: es not meet the nended timing w UTM Co Project	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         of to not significant vernal pool         bordinates of Pool Center:         563417 E, 4957794 N         Fype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         indow for indicator species.         Ype: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086
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urvey Date:       10/15/2014         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vernal pool definition         W Comments:       Pool surveyed well outside the recommended timing window for indicator species.         W's Pool ID:       2598       Twp:       Osborn         bserver's ID:       PSVP_12CF_N       UTM Coordinates of Pool Center:       560828 E, 496428         Landowner:       URSA Major, LLC       Contact:       Karol Worden - Stantec Consulting         Z/O AFM, 40 Champion Lane       Topsham, ME 04086       Topsham, ME 04086				
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C/O AFM, 40 Champion Lane         20 Park Drive           Milford, ME 04461         Topsharm, ME 04086           urvey Date:         8/14/2014           WS Recommendation:         RED: NOT SIGNIFICANT, does not meet the biological citteria           W Comments:         Although pool was surveyed well outside the recommended timing window for indicator species, pool size is limited by surrounding topography           WS Pool ID:         2597           Twp:         Osborn           UTM Coordinates of Pool Center:         559098 E, 496127           Project Type:         Weaver Wind           Landowner:         URSA Major, LLC         Contact:           C/O AFM, 40 Champion Lane         Topsharm, ME 04086           Milford, ME 04461         Topsharm, ME 04086           urvey Date:         8/14/2014           WS Recommendation:         RED: NOT SIGNIFICANT, does not meet the biological citteria           W Comments:         Pool Surveyed well outside recommended timing window for indicator species.           W's Pool ID:         2597         Twp:         Osborn           Severver SID:         VP 61KLN, (former PSVP_11KN, N)         UTM Coordinates of Pool Center:         559098 E, 496127           W comments:         Pool Karpe         Contact:         Karol Worden - Stantec Consulting           C/O AFM, 40 Champi				
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(207) 729-1199       karol.worden@stantec.d         urvey Date:       8/14/2014         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the biological criteria         W'comments:       Atthough pool was surveyed well outside the recommended timing window for indicator species, pool size is limited by surrounding topography         W's Pool D: 2597       Twp:       Osborn       UTM Coordinates of Pool Center:       559098 E, 496127         Disperver's ID: PSVP_11KN_N       UTM Coordinates of Pool Center:       559098 E, 496127         W's Pool D: 2597       Twp:       Osborn       UTM Coordinates of Pool Center:       559098 E, 496127         W's Pool D: 2597       Twp:       Osborn       UTM Coordinates of Pool Center:       559098 E, 496127         W's Pool D: 2597       Twp:       Osborn       UTM Coordinates of Pool Center:       559098 E, 496127         W's Pool D: 2597       Twp:       Osborn       UTM Coordinates of Pool Center:       559098 E, 496127         W's Pool D: 2597       Twp:       Osborn       UTM Coordinates of Pool Center:       559098 E, 496127         W's Pool D: 2597       Twp:       Osborn       UTM Coordinates of Pool Center:       559098 E, 496127         W's Pool D: 2598       Twp:       Osborn       UTM Coordinates of Pool Center:       559098 E, 496127         W's Commen				
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C/O AFM, 40 Champion Lane       20 Park Drive         Milford, ME 04461       Topsham, ME 04086         (207) 729-1199       karol.worden@stantec.cl         W's Recommendation: RED: NOT SIGNIFICANT, does not meet the biological criteria       UTM Coordinates of Pool Center: 550908 E, 496127         W's Pool ID: 2597       Twp:       Osborn       UTM Coordinates of Pool Center: 550908 E, 496127         bserver's ID: VP_61KN_N (former PSVP_11KN_N)       ProjectType: Weaver Wind       20 Park Drive         C/O AFM, 40 Champion Lane       Contact:       Karol Worden - Stantec Consulting         W's Pool ID: 2597       Additional Survey Dates: 05/14/2015       05/14/2015         W's Recommendation: RED: NOT SIGNIFICANT, does not meet the biological criteria       UTM Coordinates of Pool Center: 560828 E, 496428         W's Pool ID: 2598       Twp:       Osborn       UTM Coordinates of Pool Center: 560828 E, 496428         bserver's ID: PSVP_12CF_N       UTM Coordinates of Pool Center: 560828 E, 496428       ProjectType: Weaver Wind         Landowner:       URSA Major, LLC       Contact:       Karol Worden - Stantec Consulting         20 Park Drive       Topsham, ME 04086       (207) 729-1199       karol.worden@stantec.cd         W's Recommendation: RED: NOT SIGNIFICANT, does not meet the vernal pool definition       W Cordinates of Pool Center: 560828 E, 496428       70paham, ME 04086         <	Observer's ID: P	SVP_11KN_N	Project [¬]	Type: Weaver Wind
C/O AFM, 40 Champion Lane       20 Park Drive         Milford, ME 04461       Topsham, ME 04086         (207) 729-1199       karol.worden@stantec.cl         W's Recommendation: RED: NOT SIGNIFICANT, does not meet the biological criteria       UTM Coordinates of Pool Center: 550908 E, 496127         W's Pool ID: 2597       Twp:       Osborn       UTM Coordinates of Pool Center: 550908 E, 496127         bserver's ID: VP_61KN_N (former PSVP_11KN_N)       ProjectType: Weaver Wind       20 Park Drive         C/O AFM, 40 Champion Lane       Contact:       Karol Worden - Stantec Consulting         W's Pool ID: 2597       Additional Survey Dates: 05/14/2015       05/14/2015         W's Recommendation: RED: NOT SIGNIFICANT, does not meet the biological criteria       UTM Coordinates of Pool Center: 560828 E, 496428         W's Pool ID: 2598       Twp:       Osborn       UTM Coordinates of Pool Center: 560828 E, 496428         bserver's ID: PSVP_12CF_N       UTM Coordinates of Pool Center: 560828 E, 496428       ProjectType: Weaver Wind         Landowner:       URSA Major, LLC       Contact:       Karol Worden - Stantec Consulting         20 Park Drive       Topsham, ME 04086       (207) 729-1199       karol.worden@stantec.cd         W's Recommendation: RED: NOT SIGNIFICANT, does not meet the vernal pool definition       W Cordinates of Pool Center: 560828 E, 496428       70paham, ME 04086         <	Landowner:	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
Milford, ME 04461       Topsham, ME 04086         urvey Date:       8/14/2014         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the biological criteria         W Comments:       Pool ID: 2597         W's Pool ID: 2597       Twp:         URSA Major, LLC       Cotatt         C/O AFM, 40 Champion Lane       Topsham, ME 04086         Milford, ME 04461       Topsham, ME 04086         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the biological criteria         W Comments:       Resurveyal - status updated from potential vernal pool to not significant vernal pool         W's Pool ID: 2598       Twp:         We's Pool ID: 2598       Twp:         We's Recommendation:       RED: NOT SIGNIFICANT, does not meet the biological criteria         W Comments:       Resurveyal - status updated from potential vernal pool to not significant vernal pool         W's Pool ID: 2598       Twp:         C/O AFM, 40 Champion Lane       UTM Coordinates of Pool Center:         Milford, ME 04461       Topsham, ME 04086         (207) 729-1199       karol.worden@stantec.or         Urwy Date:       10/15/2014         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vernal pool definition         W Comments:       Pool surveyed well outside the recommended timing win				
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W Comments: Pool surveyed well outside recommended timing window for indicator species.         W's Pool ID: 2597       Twp:       Osborn         UW's Pool ID: 2597       Twp:       Osborn         Userver's ID: VP_61KN_N (former PSVP_11KN_N)       UTM Coordinates of Pool Center:       559098 E, 496127         Landowner:       URSA Major, LLC       Contact:       Karol Worden - Stantec Consulting         20 Park Drive       Topsham, ME 04086       (207) 729-1199       karol.worden@stantec.cl         wirvey Date:       5/6/2015       Additional Survey Dates:       05/14/2015       (207) 729-1199       karol.worden@stantec.cl         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the biological criteria       UTM Coordinates of Pool Center:       560828 E, 496428         V's Pool ID: 2598       Twp:       Osborn       UTM Coordinates of Pool Center:       560828 E, 496428         V's Pool ID: 2598       Twp:       Osborn       UTM Coordinates of Pool Center:       560828 E, 496428         Urvey Date:       10/15/2014       UTM Coordinates of Pool Center:       560828 E, 496428         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vernal pool definition       UTM Coordinates of Pool Center:       560828 E, 496428         V's Pool ID: 2598       Twp:       Osborn       UTM Coordinates of Pool Center:       560	,			
W's Pool ID: 2597       Twp:       Osborn       UTM Coordinates of Pool Center:       559098 E, 496127         W's Pool ID: 2597       Twp:       Osborn       Project Type:       Weaver Wind         Landowner:       URSA Major, LLC       Contact:       Karol Worden - Stantec Consulting         20 Park Drive       Topsham, ME 04086       20 Park Drive         urvey Date:       5/6/2015       Additional Survey Dates:       05/14/2015         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the biological criteria         W Comments:       Resurveyed - status updated from potential vernal pool to not significant vernal pool         W's Pool ID: 2598       Twp:       Osborn         Wifford, ME 04461       UTM Coordinates of Pool Center:       560828 E, 496428         Project Type:       Weaver Wind       UTM Coordinates of Pool Center:       560828 E, 496428         bserver's ID: PSVP_12CF_N       UTM Coordinates of Pool Center:       560828 E, 496428         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vernal pool definition       20 Park Drive       Topsham, ME 04086         (207) 729-1199       karol.worden@stantec.c       20 Park Drive       Topsham, ME 04086       20 Park Drive         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vermal pool definition       W Cormments:				0
beserver's ID: VP_61KN_N (former PSVP_11KN_N) Landowner: URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 COntact: CONTACT: CONTACT: CONTACT: Contact: CONTACT: Contact: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONT	rvv Comments:	Pool surveyed well outside recommer	idea timing wind	ow for indicator species.
beserver's ID: VP_61KN_N (former PSVP_11KN_N) Landowner: URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 COntact: CONTACT: CONTACT: CONTACT: Contact: CONTACT: Contact: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONTACT: CONT	-W's Pool ID: 2	597 Twp: Osborn	UTM Co	oordinates of Pool Center: 559098 E, 4961274 N
C/O AFM, 40 Champion Lane       20 Park Drive         Milford, ME 04461       Topsham, ME 04086         (207) 729-1199       karol.worden@stantec.ol         wrvey Date:       5/6/2015       Additional Survey Dates:       05/14/2015         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the biological criteria       Worden.estimation         W Comments:       Resurveyed - status updated from potential vernal pool to not significant vernal pool       UTM Coordinates of Pool Center: 560828 E, 496428         W's Pool ID: 2598       Twp:       Osborn       UTM Coordinates of Pool Center: 560828 E, 496428         beserver's ID: PSVP_12CF_N       UTM Coordinates of Pool Center: 560828 E, 496428         Milford, ME 04461       Contact:       Karol Worden - Stantec Consulting         20 Park Drive       Topsham, ME 04086       20 Park Drive         wrvey Date:       10/15/2014       Contact:       Karol Worden - Stantec Consulting         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vernal pool definition       Worden - Stantec Consulting         W's Pool ID:       2598       Twp:       Osborn       UTM Coordinates of Pool Center: 560828 E, 496428         W's Pool ID:       2598       Twp:       Osborn       UTM Coordinates of Pool Center: 560828 E, 496428         beserver's ID:       PSVP_12CF_N       UTM	)bserver's ID: V	P_61KN_N (former PSVP_11KN_N)		
C/O AFM, 40 Champion Lane       20 Park Drive         Milford, ME 04461       Topsham, ME 04086         (207) 729-1199       karol.worden@stantec.ol         wrvey Date:       5/6/2015       Additional Survey Dates:       05/14/2015         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the biological criteria       Worden.estimation         W Comments:       Resurveyed - status updated from potential vernal pool to not significant vernal pool       UTM Coordinates of Pool Center: 560828 E, 496428         W's Pool ID: 2598       Twp:       Osborn       UTM Coordinates of Pool Center: 560828 E, 496428         beserver's ID: PSVP_12CF_N       UTM Coordinates of Pool Center: 560828 E, 496428         Milford, ME 04461       Contact:       Karol Worden - Stantec Consulting         20 Park Drive       Topsham, ME 04086       20 Park Drive         wrvey Date:       10/15/2014       Contact:       Karol Worden - Stantec Consulting         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vernal pool definition       Worden - Stantec Consulting         W's Pool ID:       2598       Twp:       Osborn       UTM Coordinates of Pool Center: 560828 E, 496428         W's Pool ID:       2598       Twp:       Osborn       UTM Coordinates of Pool Center: 560828 E, 496428         beserver's ID:       PSVP_12CF_N       UTM	Landowner:	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
Milford, ME 04461       Topsham, ME 04086         (207) 729-1199       karol.worden@stantec.d         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the biological criteria         W Comments:       Resurveyed - status updated from potential vernal pool to not significant vernal pool         W's Pool ID: 2598       Twp:       Osborn         WTM Coordinates of Pool Center:       560828 E, 496428         bserver's ID: PSVP_12CF_N       UTM Coordinates of Pool Center:         Milford, ME 04461       Topsham, ME 04086         C/O AFM, 40 Champion Lane       Contact:         Milford, ME 04461       Topsham, ME 04086         (207) 729-1199       karol.worden@stantec.d         urvey Date:       10/15/2014         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vernal pool definition         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vernal pool definition         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vernal pool definition         W's Pool ID: 2598       Twp:       Osborn         UTM Coordinates of Pool Center:       560828 E, 496428         bserver's ID: PSVP_12CF_N       UTM Coordinates of Pool Center:       560828 E, 496428         Landowner:       URSA Major, LLC       Contact:       Karol Worden - Stantec Consulting <td></td> <td></td> <td></td> <td></td>				
(207) 729-1199       karol.worden@stantec.or         (207) 729-1199       karol Worden - Stantec Consulting			_	
urvey Date: 5/6/2015 Additional Survey Dates: 05/14/2015 W's Recommendation: RED: NOT SIGNIFICANT, does not meet the biological criteria W Comments: Resurveyed - status updated from potential vernal pool to not significant vernal pool W's Pool ID: 2598 Twp: Osborn UTM Coordinates of Pool Center: 560828 E, 496428 beserver's ID: PSVP_12CF_N UTM Coordinates of Pool Center: 560828 E, 496428 ProjectType: Weaver Wind Landowner: URSA Major, LLC Contact: Karol Worden - Stantec Consulting C/O AFM, 40 Champion Lane Milford, ME 04461 Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.of W's Recommendation: RED: NOT SIGNIFICANT, does not meet the vernal pool definition W Comments: Pool surveyed well outside the recommended timing window for indicator species. W's Pool ID: 2598 Twp: Osborn UTM Coordinates of Pool Center: 560828 E, 496428 projectType: Weaver Wind Landowner: URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 CONTACK: Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.of urvey Date: 5/5/2015 Additional Survey Dates: 05/14/2015 W's Recommendation: RED: NOT SIGNIFICANT, does not meet the vernal pool definition				
Milford, ME 04461       Topsham, ME 04086         (207) 729-1199       karol.worden@stantec.or         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vernal pool definition         W Comments:       Pool surveyed well outside the recommended timing window for indicator species.         W's Pool ID: 2598       Twp:       Osborn         W's Pool ID: 2598       Twp:       Osborn         UTM Coordinates of Pool Center:       560828 E, 496428         bserver's ID: PSVP_12CF_N       UTM Coordinates of Pool Center:       560828 E, 496428         ProjectType:       Weaver Wind       Contact:       Karol Worden - Stantec Consulting         20 Park Drive       Topsham, ME 04086       20Park Drive       Topsham, ME 04086         (207) 729-1199       karol.worden@stantec.or       Vis Recommendation: RED: NOT SIGNIFICANT, does not meet the vernal pool definition				
(207) 729-1199       karol.worden@stantec.d         (207) 729-1199	Observer's ID: P	SVP_12CF_N	Project	Type: Weaver Wind
(207) 729-1199       karol.worden@stantec.d         (207) 729-1199	Observer's ID: P	SVP_12CF_N URSA Major, LLC	Project	ype: Weaver Wind Karol Worden - Stantec Consulting
urvey Date:       10/15/2014         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vernal pool definition         W Comments:       Pool surveyed well outside the recommended timing window for indicator species.         W's Pool ID:       2598         bserver's ID:       PSVP_12CF_N         Landowner:       URSA Major, LLC         C/O AFM, 40 Champion Lane       Contact:         Milford, ME 04461       Topsham, ME 04086         urvey Date:       5/5/2015         Additional Survey Dates:       05/14/2015         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vernal pool definition	Observer's ID: P	SVP_12CF_N URSA Major, LLC C/O AFM, 40 Champion Lane	Project	Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive
bserver's ID: PSVP_12CF_N ProjectType: Weaver Wind Landowner: URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 Urvey Date: 5/5/2015 Additional Survey Dates: 05/14/2015 W's Recommendation: RED: NOT SIGNIFICANT, does not meet the vernal pool definition ProjectType: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.or	bserver's ID: P	SVP_12CF_N URSA Major, LLC C/O AFM, 40 Champion Lane	Project	Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive
Landowner:       URSA Major, LLC       Contact:       Karol Worden - Stantec Consulting         C/O AFM, 40 Champion Lane       20 Park Drive       20 Park Drive         Milford, ME 04461       Topsham, ME 04086       (207) 729-1199         urvey Date:       5/5/2015       Additional Survey Dates:       05/14/2015         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vernal pool definition	Observer's ID: P Landowner: Survey Date: 10 FW's Recomme	SVP_12CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 //15/2014 ndation: RED: NOT SIGNIFICANT, do	Project Contact: 	Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co
C/O AFM, 40 Champion Lane       20 Park Drive         Milford, ME 04461       Topsham, ME 04086         (207) 729-1199       karol.worden@stantec.or         urvey Date:       5/5/2015       Additional Survey Dates:       05/14/2015         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vernal pool definition	Observer's ID: P Landowner: Survey Date: 10 FW's Recomme IFW Comments:	SVP_12CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 //15/2014 ndation: RED: NOT SIGNIFICANT, do Pool surveyed well outside the recom	Project Contact: 	Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co vernal pool definition vindow for indicator species.
C/O AFM, 40 Champion Lane       20 Park Drive         Milford, ME 04461       Topsham, ME 04086         (207) 729-1199       karol.worden@stantec.or         urvey Date:       5/5/2015       Additional Survey Dates:       05/14/2015         W's Recommendation:       RED: NOT SIGNIFICANT, does not meet the vernal pool definition	Observer's ID: P Landowner: Survey Date: 10 FW's Recomme IFW Comments: FW's Pool ID: 2	SVP_12CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 //15/2014 ndation: RED: NOT SIGNIFICANT, do Pool surveyed well outside the recom	Project Contact: 	Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co vernal pool definition vindow for indicator species. pordinates of Pool Center: 560828 E, 4964289 N
(207) 729-1199 karol.worden@stantec.co urvey Date: 5/5/2015 Additional Survey Dates: 05/14/2015 W's Recommendation: RED: NOT SIGNIFICANT, does not meet the vernal pool definition	Dbserver's ID: P Landowner: Survey Date: 10 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P	SVP_12CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 //15/2014 ndation: RED: NOT SIGNIFICANT, do Pool surveyed well outside the recom 598 Twp: Osborn SVP_12CF_N	Project Contact: 	Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co vernal pool definition window for indicator species. bordinates of Pool Center: 560828 E, 4964289 N Type: Weaver Wind
urvey Date: 5/5/2015 Additional Survey Dates: 05/14/2015 W's Recommendation: RED: NOT SIGNIFICANT, does not meet the vernal pool definition	Observer's ID: P Landowner: Survey Date: 10 FW's Recomme IFW Comments: IFW's Pool ID: 2 Observer's ID: P	SVP_12CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 /15/2014 ndation: RED: NOT SIGNIFICANT, do Pool surveyed well outside the recom 598 Twp: Osborn SVP_12CF_N URSA Major, LLC	Project Contact: 	Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co vernal pool definition window for indicator species. pordinates of Pool Center: 560828 E, 4964289 N Type: Weaver Wind Karol Worden - Stantec Consulting
W's Recommendation: RED: NOT SIGNIFICANT, does not meet the vernal pool definition	Dbserver's ID: P Landowner: Survey Date: 10 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P	SVP_12CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 //15/2014 ndation: RED: NOT SIGNIFICANT, do Pool surveyed well outside the recom 598 Twp: Osborn SVP_12CF_N URSA Major, LLC C/O AFM, 40 Champion Lane	Project Contact: 	Type: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         vernal pool definition         vindow for indicator species.         bordinates of Pool Center:       560828 E, 4964289 N         Type: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive
W's Recommendation: RED: NOT SIGNIFICANT, does not meet the vernal pool definition	Dbserver's ID: P Landowner: Gurvey Date: 10 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P	SVP_12CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 //15/2014 ndation: RED: NOT SIGNIFICANT, do Pool surveyed well outside the recom 598 Twp: Osborn SVP_12CF_N URSA Major, LLC C/O AFM, 40 Champion Lane	Project Contact: 	Type: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         vernal pool definition         vindow for indicator species.         bordinates of Pool Center:       560828 E, 4964289 N         Type: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive
	Urvey Date: 10 W's Recomme W Comments: W's Pool ID: 2 bserver's ID: P Landowner:	SVP_12CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 /15/2014 ndation: RED: NOT SIGNIFICANT, do Pool surveyed well outside the recom 598 Twp: Osborn SVP_12CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461	Project Contact: 	Type: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199 karol.worden@stantec.co         vernal pool definition         vindow for indicator species.         bordinates of Pool Center: 560828 E, 4964289 N         Type: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086
	Dbserver's ID: P Landowner: Gurvey Date: 10 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P Landowner:	SVP_12CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 /15/2014 ndation: RED: NOT SIGNIFICANT, do Pool surveyed well outside the recom 598 Twp: Osborn SVP_12CF_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 	Project Contact: 	Type: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199 karol.worden@stantec.co         vernal pool definition         vindow for indicator species.         bordinates of Pool Center: 560828 E, 4964289 N         Type: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199 karol.worden@stantec.co

The following is a list of pools and IFW's recommendations for whether or not they qualify as Significant Vernal Pools, one of Maine's Significant Wildlife Habitats.

IFW's Pool ID: 2	599 Twp: Osborn	UTM C	pordinates of Pool Center: 560457 E, 4963902 N
Observer's ID: P	SVP_13KN_N	Project	Type: Weaver Wind
Landowner:	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	C/O AFM, 40 Champion Lane		20 Park Drive
	Milford, ME 04461		Topsham, ME 04086
			(207) 729-1199 karol.worden@stantec.co
Survey Date: 8/1	4/2014		
IFW's Recomme	ndation: RED: NOT SIGNIFICANT, do	pes not meet the	biological criteria
		mended timing v	vindow for indicator species; although pool size is small,
IFW's Pool ID: 2	599 Twp: Osborn	UTM C	pordinates of Pool Center: 560457 E, 4963902 N
Observer's ID: VI	P_52KN_N (former PSVP_13KN_N)		Type: Weaver Wind
	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	C/O AFM, 40 Champion Lane		20 Park Drive
	Milford, ME 04461		Topsham, ME 04086
			(207) 729-1199 karol.worden@stantec.co
IFW Comments:	ndation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from po	bes not meet the tential vernal poo	ol to not significant vernal pool
IFW's Recommen	ndation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from po 500 Twp: Osborn	bes not meet the tential vernal poo UTM Co	
IFW's Recomments: IFW Comments: IFW's Pool ID: 26 Observer's ID: PS	ndation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from po 500 Twp: Osborn SVP_15KN_N URSA Major, LLC	bes not meet the tential vernal poo UTM Co	ordinates of Pool Center: 561731 E, 4963972 N
IFW's Recomments: IFW Comments: IFW's Pool ID: 26 Observer's ID: PS	ndation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from po 500 Twp: Osborn SVP_15KN_N URSA Major, LLC C/O AFM, 40 Champion Lane	bes not meet the tential vernal poo UTM Co Project	ol to not significant vernal pool pordinates of Pool Center: 561731 E, 4963972 N Fype: Weaver Wind
IFW's Recomments: IFW Comments: IFW's Pool ID: 26 Observer's ID: PS	ndation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from po 500 Twp: Osborn SVP_15KN_N URSA Major, LLC	bes not meet the tential vernal poo UTM Co Project	of to not significant vernal pool pordinates of Pool Center: 561731 E, 4963972 N Fype: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086
IFW's Recomments: IFW Comments: IFW's Pool ID: 26 Observer's ID: PS	ndation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from po 500 Twp: Osborn SVP_15KN_N URSA Major, LLC C/O AFM, 40 Champion Lane	bes not meet the tential vernal poo UTM Co Project	of to not significant vernal pool pordinates of Pool Center: 561731 E, 4963972 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive
IFW's Recomments: IFW Comments: IFW's Pool ID: 26 Observer's ID: PS	ndation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from po 500 Twp: Osborn SVP_15KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461	bes not meet the tential vernal poo UTM Co Project	of to not significant vernal pool pordinates of Pool Center: 561731 E, 4963972 N Fype: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086
IFW's Recomment IFW Comments: IFW's Pool ID: 26 Observer's ID: PS Landowner: Survey Date: 8/1	ndation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from po 500 Twp: Osborn SVP_15KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461	Des not meet the tential vernal poo UTM Co Project Contact:	of to not significant vernal pool pordinates of Pool Center: 561731 E, 4963972 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co
IFW's Recomment IFW Comments: IFW's Pool ID: 26 Observer's ID: P Landowner: Survey Date: 8/1 IFW's Recommen	ndation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from po 500 Twp: Osborn SVP_15KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 5/2014 ndation: RED: NOT SIGNIFICANT, do Although pool was surveyed well outs	Des not meet the tential vernal poor UTM Co Project Contact:	of to not significant vernal pool pordinates of Pool Center: 561731 E, 4963972 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co
IFW's Recomment IFW Comments: IFW's Pool ID: 26 Observer's ID: P Landowner: Survey Date: 8/1 IFW's Recommen	ndation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from po 500 Twp: Osborn SVP_15KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 5/2014 ndation: RED: NOT SIGNIFICANT, do Although pool was surveyed well outs surrounding topography/habitat (as so SVP.	bes not meet the tential vernal poor UTM Co Project Contact:	of to not significant vernal pool pordinates of Pool Center: 561731 E, 4963972 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria ended timing window for indicator species, its small size
IFW's Recomments: IFW Comments: IFW's Pool ID: 26 Observer's ID: PS Landowner: Survey Date: 8/1 IFW's Recomments:	ndation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from po 500 Twp: Osborn SVP_15KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 5/2014 ndation: RED: NOT SIGNIFICANT, do Although pool was surveyed well outs surrounding topography/habitat (as so SVP.	Des not meet the tential vernal poor UTM Co Project Contact: Des not meet the side the recomme een in photo) sug	ordinates of Pool Center: 561731 E, 4963972 N Fype: Weaver Wind <u>Karol Worden - Stantec Consulting</u> 20 Park Drive <u>Topsham, ME 04086</u> (207) 729-1199 karol.worden@stantec.co biological criteria ended timing window for indicator species, its small size gest pool is likely limited in size and ability to meet crite
IFW's Recomments: IFW Comments: IFW's Pool ID: 26 Observer's ID: PS Landowner: Survey Date: 8/1 IFW's Recomments: IFW Comments: IFW's Pool ID: 26 Observer's ID: PS	ndation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from po 500 Twp: Osborn SVP_15KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 5/2014 ndation: RED: NOT SIGNIFICANT, do Although pool was surveyed well outs surrounding topography/habitat (as so SVP.	Des not meet the tential vernal poor UTM Co Project Contact: Des not meet the side the recomme een in photo) sug	ordinates of Pool Center: 561731 E, 4963972 N Fype: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria ended timing window for indicator species, its small size gest pool is likely limited in size and ability to meet crite bordinates of Pool Center: 561731 E, 4963972 N Fype: Weaver Wind
IFW's Recomments: IFW Comments: IFW's Pool ID: 26 Observer's ID: PS Landowner: Survey Date: 8/1 IFW's Recomments: IFW Comments: IFW's Pool ID: 26 Observer's ID: PS	ndation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from po 500 Twp: Osborn SVP_15KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 5/2014 ndation: RED: NOT SIGNIFICANT, do Although pool was surveyed well outs surrounding topography/habitat (as se SVP. 500 Twp: Osborn SVP_15KN_N	Des not meet the tential vernal poor UTM Co Project Contact: Des not meet the side the recomme een in photo) sug UTM Co Project	bi to not significant vernal pool pordinates of Pool Center: 561731 E, 4963972 N Fype: Weaver Wind <u>Karol Worden - Stantec Consulting</u> 20 Park Drive <u>Topsham, ME 04086</u> (207) 729-1199 karol.worden@stantec.co biological criteria ended timing window for indicator species, its small size gest pool is likely limited in size and ability to meet crite pordinates of Pool Center: 561731 E, 4963972 N
IFW's Recomments: IFW Comments: IFW's Pool ID: 26 Observer's ID: PS Landowner: Survey Date: 8/1 IFW's Recomments: IFW Comments: IFW's Pool ID: 26 Observer's ID: PS	ndation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from po 500 Twp: Osborn SVP_15KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 5/2014 ndation: RED: NOT SIGNIFICANT, do Although pool was surveyed well outs surrounding topography/habitat (as so SVP. 500 Twp: Osborn SVP_15KN_N URSA Major, LLC	Des not meet the tential vernal poor UTM Co Project Contact: Des not meet the side the recomme een in photo) sug UTM Co Project	biological criteria ended timing window for indicator species, its small size gest pool is likely limited in size and ability to meet crite pordinates of Pool Center: 561731 E, 4963972 N 5000 Stantec.co
IFW's Recomments: IFW Comments: IFW's Pool ID: 26 Observer's ID: PS Landowner: Survey Date: 8/1 IFW's Recomments: IFW Comments: IFW's Pool ID: 26 Observer's ID: PS	ndation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from po 500 Twp: Osborn SVP_15KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 5/2014 ndation: RED: NOT SIGNIFICANT, do Although pool was surveyed well outs surrounding topography/habitat (as so SVP. 500 Twp: Osborn SVP_15KN_N URSA Major, LLC C/O AFM, 40 Champion Lane	Des not meet the tential vernal poor UTM Co Project Contact: Des not meet the side the recomme een in photo) sug UTM Co Project	ordinates of Pool Center: 561731 E, 4963972 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria ended timing window for indicator species, its small size gest pool is likely limited in size and ability to meet crite pordinates of Pool Center: 561731 E, 4963972 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive

IFW Comments: Resurveyed - status remains as not significant vernal pool

IFW's Pool ID: 2601 Twp: Osborn		UTM Coordinates of Pool Center: 560717 E, 4964	
Observer's ID: P		Project1	Type: Weaver Wind
Landowner:	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	C/O AFM, 40 Champion Lane		20 Park Drive
	Milford, ME 04461		Topsham, ME 04086
		_	(207) 729-1199 karol.worden@stantec.co
Survey Date: 8/2	22/2014		
FW's Recomme	ndation: GREEN: SIGNIFICANT		
FW Comments:	pool surveyed well outside recommen	ded survey wind	ow for indicator species.
FW's Pool ID: 2	601 Twp: Osborn	UTM Co	pordinates of Pool Center: 560717 E, 4964222 N
	VP_53KN_N (former PSVP17KN_N)		Type: Weaver Wind
	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	C/O AFM, 40 Champion Lane		20 Park Drive
	Milford, ME 04461		Topsham, ME 04086
		_	(207) 729-1199 karol.worden@stantec.co
Survey Date: El	5/2015 Additional Survey Dates	. 05/14/2015	
Survey Date: 5/8	5/2015 Additional Survey Dates endation: GREEN: SIGNIFICANT	. 05/14/2015	
		ential vernal noo	ol to significant vernal pool; exceeds WF egg mass c
r vv commento.	Resulveyed - status updated nom pol		
FW's Pool ID: 2			oordinates of Pool Center: 561365 E, 4963955 N
December 10, D	SVP_28KN_N	ProjectT	Type: Weaver Wind
Ubserver's ID: P			
	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	URSA Major, LLC C/O AFM, 40 Champion Lane	Contact:	Karol Worden - Stantec Consulting 20 Park Drive
		Contact:	
	C/O AFM, 40 Champion Lane	Contact:	20 Park Drive
	C/O AFM, 40 Champion Lane Milford, ME 04461	-	20 Park Drive Topsham, ME 04086
Landowner: Gurvey Date: 5/5	C/O AFM, 40 Champion Lane Milford, ME 04461	. 05/14/2015	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co
Landowner: Survey Date: 5/5 FW's Recomme	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates	: 05/14/2015 es not meet the	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co
Landowner: Survey Date: 5/8 FW's Recomme FW Comments:	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates endation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot	: 05/14/2015 es not meet the ential vernal poo	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria of to not significant vernal pool
Landowner: Survey Date: 5/8 FW's Recomme FW Comments: FW's Pool ID: 2	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates andation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot 602 Twp: Osborn	: 05/14/2015 es not meet the ential vernal poo	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria biological criteria biological criteria biological criteria biological criteria biological criteria biological criteria biological criteria biological criteria
Landowner: Survey Date: 5/5 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates andation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot 602 Twp: Osborn SVP_28KN_N	: 05/14/2015 es not meet the l ential vernal poo UTM Co ProjectT	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria biological criteria
Landowner: Survey Date: 5/5 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates indation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot 602 Twp: Osborn SVP_28KN_N URSA Major, LLC	: 05/14/2015 es not meet the ential vernal poo	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria biological criteria
Landowner: Survey Date: 5/5 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates indation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot 602 Twp: Osborn SVP_28KN_N URSA Major, LLC C/O AFM, 40 Champion Lane	: 05/14/2015 es not meet the l ential vernal poo UTM Co ProjectT	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria of to not significant vernal pool bordinates of Pool Center: 561365 E, 4963955 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive
Landowner: Survey Date: 5/5 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates indation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot 602 Twp: Osborn SVP_28KN_N URSA Major, LLC	: 05/14/2015 es not meet the l ential vernal poo UTM Co ProjectT	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria of to not significant vernal pool bordinates of Pool Center: 561365 E, 4963955 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive Topsham, ME 04086
Landowner: Survey Date: 5/5 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P Landowner:	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates Indation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot 602 Twp: Osborn SVP_28KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461	: 05/14/2015 es not meet the l ential vernal poo UTM Co ProjectT	20 Park Drive Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria of to not significant vernal pool bordinates of Pool Center: 561365 E, 4963955 N Type: Weaver Wind Karol Worden - Stantec Consulting 20 Park Drive
Landowner: Survey Date: 5/5 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P Landowner: Survey Date: 9/2	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates Indation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot 602 Twp: Osborn SVP_28KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 22/2014	: 05/14/2015 es not meet the l ential vernal poo UTM Co ProjectT Contact:	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         Cordinates of Pool Center:         561365 E, 4963955 N         Fype:         Weaver Wind         Karol Worden - Stantec Consulting
Landowner: Survey Date: 5/8 FW's Recomme FW's Pool ID: 2 Deserver's ID: P Landowner: Survey Date: 9/2 FW's Recomme	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates Indation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot 602 Twp: Osborn SVP_28KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 22/2014 Indation: RED: NOT SIGNIFICANT, do	UTM Co ProjectT Contact:	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         biological criteria         biological criteria         biordinates of Pool Center:         561365 E, 4963955 N         Type:         Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co
Landowner: Survey Date: 5/8 FW's Recomme FW's Pool ID: 2 Deserver's ID: P Landowner: Survey Date: 9/2 FW's Recomme	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates Indation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot 602 Twp: Osborn SVP_28KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 22/2014	UTM Co ProjectT Contact:	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         biological criteria         biological criteria         biordinates of Pool Center:         561365 E, 4963955 N         Type:         Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co
Landowner: Survey Date: 5/8 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P Landowner: Survey Date: 9/2 FW's Recomme FW Comments:	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates indation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pol 602 Twp: Osborn SVP_28KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 22/2014 indation: RED: NOT SIGNIFICANT, do Pool surveyed well outside the recom	UTM Co Project Contact: es not meet the l UTM Co Project Contact:	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         biological criteria         biological criteria         biordinates of Pool Center:         561365 E, 4963955 N         Type:         Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co
Landowner: Survey Date: 5/8 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P Landowner: Survey Date: 9/2 FW's Recomme FW Comments: FW's Pool ID: 2	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates indation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot 602 Twp: Osborn SVP_28KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 22/2014 indation: RED: NOT SIGNIFICANT, do Pool surveyed well outside the recom 603 Twp: Osborn	Contact:	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         biological criteria         biordinates of Pool Center: 561365 E, 4963955 N         Type: Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co
Landowner: Survey Date: 5/9 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P Landowner: Survey Date: 9/2 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates indation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot 602 Twp: Osborn SVP_28KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 22/2014 indation: RED: NOT SIGNIFICANT, do Pool surveyed well outside the recom 603 Twp: Osborn	Contact:	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         vindow for indicator species         biological sof Pool Center:         561428 E, 4963911 N
Landowner: Survey Date: 5/9 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P Landowner: Survey Date: 9/2 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates Indation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot 602 Twp: Osborn SVP_28KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 22/2014 Indation: RED: NOT SIGNIFICANT, do Pool surveyed well outside the recom 603 Twp: Osborn SVP_29KN_N URSA Major, LLC	es not meet the mended timing work of the set of the se	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         biological criteria         biological criteria         cordinates of Pool Center:         561365 E, 4963955 N         Type:         Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         window for indicator species         bordinates of Pool Center:         561428 E, 4963911 N         Type:         Vind
Landowner: Survey Date: 5/9 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P Landowner: Survey Date: 9/2 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates andation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot 602 Twp: Osborn SVP_28KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 22/2014 andation: RED: NOT SIGNIFICANT, do Pool surveyed well outside the recom 603 Twp: Osborn SVP_29KN_N	es not meet the mended timing work of the set of the se	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         of to not significant vernal pool         bordinates of Pool Center:         561365 E, 4963955 N         Type:         Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         window for indicator species         bordinates of Pool Center:       561428 E, 4963911 N         Type:       Weaver Wind         Karol Worden - Stantec Consulting
Landowner: Survey Date: 5/9 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P Landowner: Survey Date: 9/2 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates andation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pol 602 Twp: Osborn SVP_28KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 22/2014 andation: RED: NOT SIGNIFICANT, do Pool surveyed well outside the recom 603 Twp: Osborn SVP_29KN_N URSA Major, LLC C/O AFM, 40 Champion Lane	es not meet the mended timing work of the set of the se	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         of to not significant vernal pool         bordinates of Pool Center:         561365 E, 4963955 N         Type:         Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         vindow for indicator species         bordinates of Pool Center:         561428 E, 4963911 N         Type:         Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive
Landowner: Survey Date: 5/9 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P Landowner: Survey Date: 9/2 FW's Recomme FW Comments: FW's Pool ID: 2 Dbserver's ID: P	C/O AFM, 40 Champion Lane Milford, ME 04461 5/2015 Additional Survey Dates Indation: RED: NOT SIGNIFICANT, do Resurveyed - status updated from pot 602 Twp: Osborn SVP_28KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461 22/2014 Indation: RED: NOT SIGNIFICANT, do Pool surveyed well outside the recom 603 Twp: Osborn SVP_29KN_N URSA Major, LLC C/O AFM, 40 Champion Lane Milford, ME 04461	es not meet the mended timing work of the set of the se	20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         of to not significant vernal pool         bordinates of Pool Center:         561365 E, 4963955 N         Type:         Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         (207) 729-1199         karol.worden@stantec.co         biological criteria         vindow for indicator species         bordinates of Pool Center:       561428 E, 4963911 N         Type:       Weaver Wind         Karol Worden - Stantec Consulting         20 Park Drive         Topsham, ME 04086         20 Park Drive         Topsham, ME 04086

IFW's Pool ID: 2			ordinates of Pool Center: 561428 E, 4963911 N
Observer's ID: P	SVP_29KN_N	ProjectT	ype: Weaver Wind
Landowner:	URSA Major, LLC	Observer:	Katelin Nickerson - Stantec Consulting
	C/O AFM, 40 Champion Lane		30 Park Drive
	Milford, ME 04461		Topsham, ME 04086
			(207) 729-1199 katelin.nickerson@stante
Survey Date: 5/8	5/2015 Additional Survey Dates:	05/14/2015	
IFW's Recomme	ndation: RED: NOT SIGNIFICANT, doe	s not meet the b	biological criteria
IFW Comments:	Resurveyed - status updated from pote	ntial vernal pool	to not significant vernal pool
IFW's Pool ID: 2	604 Twp: Osborn	UTM Co	ordinates of Pool Center: 562516 E, 4963483 N
Observer's ID: P			ype: Weaver Wind
	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	C/O AFM, 40 Champion Lane	o on don	20 Park Drive
	Milford, ME 04461		Topsham, ME 04086
			(207) 729-1199 karol.worden@stantec.co
Survey Date: 10	11/2014		
-	ndation: RED: NOT SIGNIFICANT, doe	s not meet the h	viological criteria
	Pool surveyed well outside the recomm		
IFW's Pool ID: 2			ordinates of Pool Center: 562516 E, 4963483 N
Observer's ID: P	SVP_36KN_N	ProjectT	ype: Weaver Wind
Landowner:	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	C/O AFM, 40 Champion Lane		20 Park Drive
	C/O AFM, 40 Champion Lane Milford, ME 04461		20 Park Drive Topsham, ME 04086
Survey Date: 5/	Milford, ME 04461	05/14/2015	Topsham, ME 04086
	Milford, ME 04461		Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co
IFW's Recomme	Milford, ME 04461 5/2015 Additional Survey Dates:	s not meet the b	Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co
IFW's Recomme IFW Comments:	Milford, ME 04461 5/2015 Additional Survey Dates: ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status updated from pote	s not meet the k ntial vernal pool	Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co piological criteria to not significant vernal pool
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IFW's Recomme IFW Comments: IFW's Pool ID: 2 Observer's ID: S	Milford, ME 04461 5/2015 Additional Survey Dates: ndation: RED: NOT SIGNIFICANT, doe Resurveyed - status updated from pote 605 Twp: Osborn VP_63KN_N (former PSVP_37KN_N)	s not meet the b ntial vernal pool UTM Co ProjectT	Topsham, ME 04086 (207) 729-1199 karol.worden@stantec.co biological criteria I to not significant vernal pool ordinates of Pool Center: 562364 E, 4961073 N ype: Weaver Wind
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The following is a list of pools and IFW's recommendations for whether or not they qualify as Significant Vernal Pools, one of Maine's Significant Wildlife Habitats.

	608 Twp: Osborn P_16KN_N - no longer a VP		oordinates of Pool Center: 560948 E, 4962888 N Fype: Weaver Wind
	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
Landowner.	C/O AFM, 40 Champion Lane		20 Park Drive
	Milford, ME 04461		Topsham, ME 04086
	Milliona, ME 04401		(207) 729-1199 karol.worden@stantec.co
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Observer's ID: V	P_16KN_N	Project	Type: Weaver Wind
Landowner:	URSA Major, LLC	Contact:	Karol Worden - Stantec Consulting
	C/O AFM, 40 Champion Lane		20 Park Drive
	Milford, ME 04461		Topsham, ME 04086
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IFW's Recommendation: RED: NOT SIGNIFICANT, does not meet the biological criteria

IFW Comments: Although pool was surveyed well outside of recommended timing window, photo suggests pool size restricted to foot print around boulder and will likely never be large enough to support criteria for SVP.

Weaver Wind Project MDEP Natural Resource Protection Act Application ATTACHMENT 9: SITE CONDITIONS REPORT

# Exhibit 9-4

Wildlife Habitat Report

# Wildlife Habitat Report

Hancock Wind Project T22 MD and T16 MD, Hancock County, Maine

> Prepared for: Hancock Wind, LLC

Prepared by: Stantec Consulting Services, Inc.

> 30 Park Drive Topsham, ME 04086

> > December 2012



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 Summary of Nation-Wide Bird Mortality Estimates

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Appendix A Publicly Available Post-Construction Results

#### 1.0 Introduction

Hancock Wind, LLC, has proposed construction of the Hancock Wind Project (project or Hancock), a utility-scale wind energy facility to be located in T22 MD and T16 MD, Hancock County, Maine. The project will include up to 18 turbines, associated access roads, up to two permanent 105-meter meteorological towers, a 34.5-kilovolt electrical collector system that will connect to an existing electrical substation, and an Operations and Maintenance (O&M) building to be located in Aurora, Maine.

The proposed turbines will be one of two types: Vestas V112 or Siemens 3.0-113 machines, each with a 3.0-megawatt (MW) rated power. The Vestas turbines would be on a 94-meter tower and have 112-meter rotor diameter, for a total height with the blade fully extended of 150 meters (492 feet). The Siemens turbines would be on a 99.5-meter tower and have a 113-meter rotor diameter, for a total height of 156 meters (512 feet).

The project is anticipated to affect wildlife species in various ways. Temporary and permanent changes as a result of the proposed project have the potential to impact wildlife habitat. Impacts to habitats will consist of clearing land for turbines, associated roads and collector lines, as well as the proposed O&M building. The majority of the project area has been actively harvested for timber products and includes several unimproved logging roads.

The potential for avian and bat mortality through direct collisions with the turbines is one of the primary wildlife impacts expected from this project. In addition, direct and indirect impacts to wildlife such as injury, mortality, or displacement are possible during clearing, construction, and operation of wind turbines, access roads, and electric lines and poles. Once constructed, the turbines and associated facilities are anticipated to pose little threat to terrestrial wildlife.

Prior to permitting activities for the project, Stantec Consulting (Stantec) conducted a variety of wildlife surveys in the vicinity of the project area. These pre-construction surveys provided data to help assess the project's potential to impact birds and bats, rare, threatened and endangered (RTE) plants and animals, breeding amphibians, and wetlands.

On September 4, 2012, representatives from Hancock Wind met with representatives from the Maine Department of Inland Fisheries and Wildlife (MDIFW). The purpose of the meeting was to determine if additional field surveys were needed at the project given that pre-construction bird and bat surveys recently had been conducted at the adjacent Bull Hill Wind Project (Bull Hill) in Eastbrook and T16 MD, located within approximately 0.7 miles southwest of the project. During the meeting, MDIFW agreed that pre-construction radar migration and acoustic bat surveys were not necessary at the project, as data collected at Bull Hill were sufficient. Shortly after the September 4 meeting, MDIFW recommended conducting fall raptor migration surveys at the project.

The scope and methodology for surveys conducted at Bull Hill were confirmed through development of a natural resources work plan developed in consultation with MDIFW and USFWS. Stantec met with MDIFW and U.S. Fish and Wildlife Service (USFWS) biologists on July 30, 2009, to discuss the work scope and methods for conducting project surveys, and met again on February 11, 2010, to discuss the results of fall 2009 surveys and appropriate effort for spring 2010 surveys. Additional discussions were conducted with MDIFW and USFWS in February 2012 and September 2012, and a 2012 raptor migration report submitted to MDIFW in December 2012.

Field surveys relevant to the project were conducted between September 2009 and October 2012, and included the following:

- nocturnal radar migration surveys, conducted pre-construction for Bull Hill in fall 2009, spring 2010, and spring 2011;
- acoustic bat surveys, conducted pre-construction for Bull Hill in fall 2009 and spring 2010;
- diurnal raptor surveys, conducted pre-construction for Bull Hill in fall 2009 and spring 2010, as well as surveys conducted within the Hancock project area in fall 2012;
- aerial nest surveys, conducted in spring 2010, spring 2011, and spring 2012; and

 other site-specific surveys included wetland delineations and RTE species surveys conducted in the fall of 2012 (September-December), November 2011, and April and May 2010. Vernal pool surveys within those wetlands delineated in 2010 were completed in April and May 2010. For a complete description of these surveys, refer to Exhibit 7A.

In addition to field surveys, publicly-available information about the existing natural communities in the project area was reviewed. Information used to characterize the existing wildlife communities and their habitats included consultation with state agencies and review of available wildlife habitat databases and published natural resource classification systems. Information gained from this review was confirmed during field surveys between 2010 and 2012.

Available databases of ecological resources and classification systems also were reviewed during this characterization and assessment, including Database of Essential Habitats and Sensitive Natural Areas, as categorized by the MDIFW (http://megisims.state.me.us); Land Use Planning Commission Land Use Maps (http://www.state.me.us/doc/lupc); and Natural Landscapes of Maine – the Maine Natural Areas Program natural community classification system (Gawler and Cutko 2004).

The following sections describe the dominant cover types found in the project area, the wildlife species that are likely to occur within the project area or were documented during field surveys, and the potential for adverse impacts to wildlife and measures to minimize these impacts. Similar discussion for wetland resources and unusual natural areas can be found in application Exhibits 7A and 9A, respectively.

## 2.0 Ecological Setting of the Project Area

The project area is located in T22 MD and T16 MD, Hancock County. The project is within approximately 0.7 miles north and east of Bull Hill, a currently operational wind project. The project area consists of a series of coastal low-elevation hills, which range in elevation from approximately 250 to 540 feet above sea level. Ridgelines have gently sloping sides with large glacial erratics and boulder-strewn outcrops. There is access to each of the proposed turbine strings, primarily along existing logging roads.

The project is located in the Eastern Lowlands biophysical region.¹ The region is characterized by gently rolling topography with elevations generally below 550 feet. The project area is primarily dominated by a regenerating Beech-Birch-Maple forest. The project area has been managed for timber production and harvesting generally has occurred within the last 10 and 20 years. Wetlands on the ridges are located primarily in low lying areas between the hills and on small terraces along the side slopes. With more moderate topography along the roads, wetlands are generally larger and more complex than on the ridgelines and many of these wetlands contain jurisdictional streams.

## 3.0 Existing Vegetation Types and Wildlife Habitat

The dominant land cover types dictate the wildlife communities in the project area. Climate conditions, geology, and past land use (i.e., forest harvesting) are the most significant factors affecting the type and structure of the available habitats. Field surveys conducted between 2010 and 2012 indicate that the project area and surrounding landscape is characterized primarily by regenerating upland hardwood forests with pockets of forested, scrub-shrub, and emergent wetlands.

The project layout was designed to utilize existing roadways where possible and to avoid impacts to wetlands and streams. As a result, the proposed turbines are primarily sited in previously disturbed upland forest areas. The following are descriptions of the natural communities that occur in the project area:

¹ McMahon, Janet. 1998 (July). An Ecological Reserves System Inventory. Augusta, ME. ME State Planning Office. 122 pp.

#### 3.1. Upland Forests

Areas of second-growth northern hardwood forests are present on Spectacle Pond Ridge and Schoppe Ridge. Dominant canopy species include American beech (*Fagus grandifolia*), yellow birch (*Betula alleghaniensis*) and sugar maple (*Acer saccharum*) trees. Balsam fir (*Abies balsamea*), red spruce (*Picea rubens*), and striped maple (*Acer pensylvanicum*) trees are scattered throughout these forests. Understory vegetation is sparse in some of these communities but includes evergreen wood fern (*Dryopteris intermedia*), hay-scented fern (*Dennstaedtia punctilobula*), bracken fern (*Pteridium aquilinum*), striped maple, wild sarsaparilla (*Aralia nudicaulis*), Blue Ridge sedge (*Carex lucorum*), and Indian cucumber root (*Medeola virginiana*).

Second growth mixed forests occur throughout the upland areas of Schoppe Ridge. These areas are dominated by balsam fir, red spruce, yellow birch, eastern white pine (*Pinus strobus*), and paper birch (*Betula papyrifera*) trees. Selective timber harvests have occurred throughout these forests as evidenced by decaying stumps and residual trees with larger diameters (e.g., 16 to 18 inches in diameter at breast height) that are scattered within the forest. The understory vegetation is typically sparse and very low in diversity. Hay-scented fern is the most common herbaceous understory plant within this community.

Early successional forests located on Schoppe Ridge are dominated by yellow birch, big-toothed aspen (*Populus grandidentata*), red maple (*Acer rubrum*), balsam fir, sugar maple, paper birch, and gray birch (*Betula populifolia*) saplings and small trees. Understory plants are sparse and very low in diversity. Occasional understory plants include hay-scented fern, bracken fern, sheep laurel (*Kalmia angustifolia*), black huckleberry (*Gaylussacia baccata*), withe-rod (*Viburnum nudum*), and dwarf dogwood (*Cornus canadensis*). Timber harvests have occurred approximately 10 to 15 years ago within these early successional areas.

Spruce-fir forests also are scattered on Schoppe Ridge. These forests have very low species diversity, including a very sparse understory. Red spruce and balsam fir trees, saplings, and shrubs dominate these areas. Mosses, including brook moss (*Dicranum scoparium*) and three-lobed bazzania (*Bazzania trilobata*), dominate the herbaceous stratum. Past timber harvests have occurred throughout these areas as evidenced by decaying cut stumps.

Managed plantations are present on Spectacle Pond Ride and Schoppe Ridge. The west end of Spectacle Pond Ridge includes a regenerating red pine (*Pinus resinosa*) plantation that has recently been harvested for timber. Red spruce plantations located along Schoppe Ridge are even-aged stands that have very low species diversity. Saplings of red maple, eastern white pine, big-toothed aspen, and yellow birch are common within these forest stands. Common understory plants include bracken fern, velvet-leaf blueberry (*Vaccinium myrtilloides*), dwarf dogwood, and hay-scented fern.

The forest communities on the ridgeline east of Bull Hill have been recently harvested for timber through selective and strip cutting harvesting methods. Narrow bands of residual trees are interspersed amongst networks of skidder trails throughout the ridgeline. The forests are predominantly mixed forests dominated by residual red spruce, balsam fir, eastern white pine, red maple, and yellow birch trees. Understory species are typically sparse and commonly include regenerating canopy species, bracken fern, sheep laurel, and black huckleberry.

#### 3.2. Wetlands

The majority of wetlands identified within the project area were characterized as forested wetlands. Northern white cedar (*Thuja occidentalis*), balsam fir, red maple, red spruce, and tamarack (*Larix laricina*) dominate the canopy of these wetlands. The shrub layer includes gray birch, white meadowsweet (*Spiraea alba* var. *latifolia*), and winterberry (*Ilex verticillata*). Cinnamon fern (*Osmunda cinamomea*) is common in the herbaceous layer. The soils in these wetlands are generally shallow and commonly consist of organic accumulation over depleted loamy sand and areas of organic material over glacial till or bedrock. The characteristics indicating wetland hydrology in these resources included saturated soil, standing water in pits and wetland drainage patterns.

Scrub-shrub wetlands make up a small portion of the wetlands within the project area. These wetlands include naturally-occurring communities such as those associated with streams and floodplains, and wetlands that have been altered by forest management activities and that are in an early- to mid-stage of succession. The dominant plants observed include speckled alder (*Alnus incana ssp. rugosa*), winterberry, white meadowsweet, yellow birch, withe-rod, balsam fir and gray birch in the shrub layer. Crested wood fern (*Dryopteris cristata*), cinnamon fern, leatherleaf (*Chamaedaphne calyculata*), Canada reed grass (*Calamagrostis canadensis*), royal fern (*Osmunda regalis*) are common in the herbaceous layer. The soils in these wetlands are generally shallow and commonly consist of organic accumulation over depleted loamy sand and areas of organic material over glacial till or bedrock. The characteristics indicating wetland hydrology in these resources include saturated soil, standing water in pits and wetland drainage patterns.

Wet meadow communities in the project area consist of early successional wetlands, some of which have recently been altered by timber harvesting. These wetlands are dominated by herbaceous vegetation such as Canada reed grass, cinnamon fern, common wool-grass (*Scirpus cyperinus*), and path rush (*Juncus tennuis*), but they are not typically characterized by long periods of inundations as would be common in marsh habitats. Similar to the other wetland communities within the project area, the soils in these wetlands are generally shallow and consist of organic accumulation over a mineral horizon or over bedrock/till. The indicators of hydrology include water marks, soil saturation to the surface, and standing water in pits.

#### 4.0 Wildlife Communities

Following are brief descriptions of the predominant wildlife species known or suspected to occur in the project area. The information presented here was derived from extensive environmental field surveys conducted in the project area and surrounding area between 2009 and 2012.

#### 4.1. Birds

Birds are among the most abundant and diverse wildlife communities in the region, including the project area. A variety of species are known or suspected to occur in association with the second-growth hardwood and mixed forests. Bird species that frequent these forests include black-capped chickadee (*Poecile atricapillus*), blue jay (*Cyanocitta cristata*), golden-crowned kinglet (*Regulus satrapa*), white-breasted nuthatch (*Sitta carolinensis*), hairy woodpecker (*Picoides villosus*), downy woodpecker (*Picoides pubescens*), least flycatcher (*Empidonax minimus*), ruffed grouse (*Bonasa umbellus*), winter wren (*Troglodytes hiemalis*), hermit thrush (*Catharus guttatus*), red-eyed vireo (*Vireo olivaceus*), ovenbird (*Seiurus aurocapillus*), yellow-rumped warbler (*Setophaga coronata*), black-throated blue warbler (*D. caerulescens*), and black and white warbler (*Mniotilta varia*). Raptors that inhabit upland hardwoods and mixed woods include great-horned owl (*Bubo virginianus*), and red-tailed hawk (*Buteo jamaicensis*).

Spruce-fir forests provide breeding and year-round habitat for bird species, including red-breasted nuthatch (*Sitta canadensis*), ruby-crowned kinglet (*Regulus calendula*), northern parula (*Parula americana*), magnolia warbler (*Dendroica magnolia*), bay-breasted warbler (*Dendroica castanea*), purple finch (*Carpodacus purpureus*), and evening grosbeak (*Coccothraustes vespertinus*).

Open areas dominated by early successional habitat provide suitable habitat for a number of ground and shrub dwelling birds. Common species include northern flicker (*Colaptes auratus*), eastern wood-pewee (*Contopus virens*), American robin (*Turdus migratorius*), chestnut-sided warbler (*Dendroica pensylvanica*), American redstart (*Setaphaga ruticilla*), common yellowthroat (*Geothlypis trichas*), chipping sparrow (*Spizella passerine*), song sparrow (*Melospiza melodia*), white-throated sparrow (*Zonotrichia albicolis*), dark-eyed junco (*Junco hyemalis*), rose-breasted grosbeak (*Pheucticus ludovicianus*), and common raven (*Corvus corax*). Red-tailed hawks regularly hunt from perches in this habitat.

Wetland habitats may receive use by a subset of species that specialize in these habitats. Included may be American woodcock (*Scolopax minor*), alder flycatcher (*Empidonax alnorum*), gray catbird (*Dumetella carolinensis*), and northern waterthrush (*Parkesia noveboracensis*).

Stantec conducted pre-construction radar nocturnal migration surveys in fall 2009, spring 2010 and fall and spring 2011 at Bull Hill. Passage rates were consistent with the results of other pre-construction surveys conducted at other locations in Maine and in the eastern U.S. For a complete description of these surveys, refer to Exhibit 7C.

Stantec conducted pre-construction raptor migration surveys in summer and fall 2009, and winter and spring 2010 at Bull Hill, as well as raptor migration surveys within the Hancock project area in fall 2012. During all surveys, a total of 12 species of raptor were documented during raptor migration surveys and some of these species could potentially breed in either the Bull Hill or Hancock project area. Species observed during the surveys include American kestrel (*Falco sparverius*), bald eagle, broad-winged hawk, Cooper's hawk (*Accipiter cooperii*), merlin (*Falco columbarius*), northern goshawk, northern harrier (*Circus cyaneus*), osprey, peregrine falcon (*Falco peregrinus*), red-tailed hawk, sharp-shinned hawk (*Accipiter striatus*) and turkey vulture (*Cathartes aura*). One state-listed threatened species, peregrine falcon, was observed during raptor migration surveys, and two species of special concern, bald eagle and northern harrier, were observed. The use of the project area by these species is anticipated to be largely during migration. For a complete description of these surveys, refer to Exhibit 7C.²

Stantec also conducted pre-construction aerial surveys for bald eagle nests, heron rookeries, and osprey nests in 2010 and 2011 for Bull Hill and in 2012 for the Hancock Project. In 2010, the survey area included waterbodies in Osborn, Eastbrook, T22 MD, T16 MD, T10 SD, T9 SD, and Franklin. The shorelines of 7 lakes and ponds, as well as numerous bogs, wetlands, and flowages within an approximately 4-mile radius of the proposed Bull Hill turbine locations, were surveyed. No active bald eagle nests were located within four miles of the proposed Hancock turbines. A known bald eagle nest on an island in Molasses Pond was located, but the nest was not active. Two active osprey nests were identified along the Line 55 transmission line to the south of the Project area. A reported great blue heron rookery at the south end of Scammon Pond was not located. In 2011, the survey included waterbodies within 10 miles of the proposed Bull Hill project area. The shorelines of 31 waterbodies were surveyed. Four active bald eagle nests were identified within the 10-mile radius of proposed Hancock turbines. Of these 4 nests, 2 were found to have successfully hatched at least one eaglet at the time of the second flight. The closest active nest was nest #360B on Molasses Pond at approximately 5.8 miles from the nearest proposed Hancock turbine. No incidental observations of great blue heron or osprey were made. In 2012, aerial surveys were conducted within more than 10 miles of the current Hancock Wind Project. This included the shoreline of 36 waterbodies and watercourses. Five active bald eagle nests were observed within 10 miles of the proposed Hancock turbine locations. The closest active nest was located on Spectacle Pond (#221C), approximately 1.7 miles from the nearest proposed Hancock turbine. One great blue heron rookery was observed at Spring Brook (7-8 active nests). One osprey nest was observed near the Spring Brook heron rookery, and one was observed on Bog Brook Flowage. For a complete description of these nest surveys, refer to Exhibit 7C.

### 4.2. Mammals

Large mammals that are likely to occur within the project area based upon species distribution and available habitat include white-tailed deer (*Odocoileus virginianus*), moose (*Alces alces*), and black bear (*Ursus americanus*). Predatory and fur-bearer species observed or expected to occur within the project area include American marten (*Martes americana*), coyote (*Canis latrans*), red fox (*Vulpes vulpes*), bobcat (*Lynx rufus*), fisher (*Martes pennanti*), and long-tailed weasel (*Mustela frenata*). Common medium-sized mammals expected to occur in the area include raccoon (*Procyon lotor*), porcupine (*Erethizon dorsatum*), snowshoe hare (*Lepus americanus*), and striped skunk (*Mephitis mephitis*).

² Following the Spring 2010 Avian and Bat Survey Report (Stantec, August 2010) in Exhibit 7C is a summary table of spring raptor survey results from other projects on forested ridges in the eastern U.S.

The small mammal community likely includes masked shrew (*Sorex cinereus*), pygmy shrew (*Sorex hoyi*), northern short-tailed shrew (*Blarina brevicauda*), eastern chipmunk (*Tamias striatus*), gray squirrel (*Sciurus carolinensis*), red squirrel (*Tamiasciurus hudsonicus*), deer mouse (*Peromyscus maniculatus*), and southern red-backed vole (*Clethrionomys gapperi*). Other less common species that could occur include smoky shrew (*Sorex fumeus*), northern flying squirrel (*Glaucomys sabrinus*), and woodland jumping mouse (*Napaeozapus insignis*). Some of the more open areas along the ridge could be used by meadow voles (*Microtus pennsylvanicus*), although their overall abundance in this predominantly forested area is likely low relative to other small mammals.

Eight species of bat also could occur in the area based upon their normal geographical range. These include the little brown bat (*Myotis lucifugus*), northern long-eared myotis (*Myotis septentrionalis*), eastern small-footed bat (*Myotis lebeiii*), silver-haired bat (*Lasionycteris noctivagans*), big brown bat (*Eptesicus fuscus*), eastern red bat (*Lasiurus borealis*), hoary bat (*Lasiurus cinereus*), and tri-colored bat (*Perimyotis subflavus*).³ Stantec conducted acoustic surveys at Bull Hill in 2009 and 2010 to characterize bat activity in the project area using detectors to record calls of migrating or foraging bats in the vicinity of the project area. Of the calls that were identified to species guild, bats of the Genus *Myotis* were the most abundant during both the fall 2009 acoustic survey and the spring 2010 acoustic survey. Other bat guilds that were documented include big brown/silver haired bat, hoary bat, and eastern red bat/tri-colored bat guilds. Detectors deployed higher above the ground, within the guy wire arrays of the met towers. For a complete description of these surveys, refer to Exhibit 7C.

#### 4.3. Amphibians and Reptiles

Amphibians and reptiles observed in the project area include wood frog (*Lithobates sylvatica*), bullfrog (*Lithobates catesbeiana*), spotted salamander (*Ambystoma maculatum*), and garter snake (*Thamnophis sirtalis*). Vernal pool surveys were completed for those wetlands that were delineated in the spring of 2010, and a description of these surveys is provided in Exhibit 7A. Potential vernal pools (PVPs) located during the fall of 2011 and 2012 were identified by physical characteristics such as the presence of surface water and topographic position.

4.4. Significant Wildlife Habitat

Under the Natural Resources Protection Act (NRPA), the Maine Department of Environmental Protection (MDEP) regulates activities that would impact Significant Wildlife Habitat such as habitats of state or federally-listed threatened or endangered animal species; Inland Waterfowl and Wading Bird Habitat (IWWH); Deer Wintering Areas (DWAs); shorebird nesting, feeding, and staging areas; seabird nesting islands; or Significant Vernal Pools..

Stantec contacted the Maine Department of Inland Fisheries and Wildlife, Maine Department of Environmental Protection, and the United States Fish and Wildlife Service (USFWS) during the course of project development and requested information regarding known listed animal species or Significant Wildlife Habitat that have been documented within the vicinity of the proposed project. The responses from those agencies are included in Exhibit 9A.

The only known habitat for state or federally-listed species in the vicinity of the project area is for Atlantic salmon (*Salmo salar*) in perennial streams, described further in 4.4.1. The project area is not within designated Critical Habitat for Canada lynx (*Lynx canadensis*). Based on the results of aerial nest surveys, there is one bald eagle nest location within four miles of the proposed turbines. During three years of surveys, the closest active nest to the proposed turbine locations was nest #221C on Spectacle Pond at approximately 1.7 miles from the nearest proposed turbine location. There are no MNAP-listed critically imperiled or imperiled natural communities in the project area (See Exhibit 9A). The presence of significant vernal pools is discussed in Section 4.4.2.

³ Formerly known as the eastern pipistrelle (*Pipistrellus subflavus*).

#### 4.4.1.Critical Habitat for Atlantic salmon

The only known threatened or endangered species habitat in the vicinity of the Project area is for Atlantic salmon in perennial streams. The project area is located within the Union River and Narraguagus River watersheds. These rivers and associated perennial streams are within Designated Critical Habitat for the federally-listed Atlantic salmon.

The Critical Habitat for the GOM DPS of Atlantic salmon was designated in June 2009. The area identified as Critical Habitat for Atlantic salmon includes any perennial stream, river, and lake habitats that connect to the marine environment.⁴ It includes physical and biological features that are essential to Atlantic salmon life cycle activities (e.g., spawning and juvenile rearing habitat, egg incubation, smolt migration). The project is located within the Graham Lake (010500212) and Narraguagus (010500209) HUC (Hydrologic Unit Code) 10 watersheds, both designated as Critical Habitat. Available U.S. Geological Survey 7.5-minute series topographic maps were reviewed and it was and determined that at least four streams potentially intersect the project area. These are Garden Eden Brook (Unit 2), Smith Brook (Unit 3), a tributary to Garden Eden Brook (Unit 1), and Mud Brook (Unit 3). However, none of these streams, and no other perennial streams within Designated Critical Habitat, are impacted by the project as designed.

The Narraguagus River (West Branch 2.5 miles) and the Union River (East Branch of the Union River runs into Spectacle Pond approximately 2 miles) are the closest designated Essential Fish Habitat (EFH) to the project area. Their tributaries, to the extent they are currently or were historically accessible for salmon migration, are also EFH, and there are many tributaries, including the Bog River and its tributaries which flow in between Unit 2 and 3 close to the project area. The Narraguagus River is also included as a Habitat Area of Particular Concern, which is a discrete subset of an EFH that provides extremely important ecological functions or are especially vulnerable to degradation. Neither of these rivers nor the EFH associated with them is impacted by the project as designed.

A total of 19 streams, 13 of which are perennial, were identified during wetland delineation surveys at the project. No perennial streams are impacted by the project. Additional information on the streams identified in the project area is presented in Exhibit 7A.

#### 4.4.2. Significant Vernal Pools

During surveys conducted in the spring of 2010, six man-made vernal pools were identified within the project area. A total of 35 PVPs were identified during fall 2011 and fall 2012 wetland delineations. Fourteen of those PVPs were determined to be naturally occurring. Based upon the timing of this permit application submission, all of the naturally-occurring PVPs were treated as Significant Vernal Pools under the NRPA. A table detailing observed amphibian breeding activity from the 2010 vernal pool surveys is presented in Exhibit 7A.

No vernal pools are impacted by the project.

### 5.0 Potential Project Impacts to Habitat and Wildlife

The construction and operation of wind turbines at the project will result in some direct and indirect impacts to local wildlife communities and their habitats. In general, impacts could include habitat conversion as well as collision-related fatalities. The following discusses the potential project impacts based on the findings of on-site field surveys that could affect the natural resources and wildlife groups that are known to occur in vicinity of the project area.

⁴ Endangered and Threatened Species; Designation of Critical Habitat for Atlantic Salmon (Salmo salar) Gulf of Maine Distinct Population Segment, Federal Register, vol. 74, No. 117, (Friday 19, 2009).

#### 5.1. Habitat Conversion

The project was designed to avoid impacts to wetlands and streams and therefore, the proposed turbines and associated access roads will largely occur in previously disturbed upland hardwood and mixed forests. The overall result of project construction will be the direct loss of some forested upland areas and the conversion of some forested habitat areas to early-successional habitat.

The development of the project will require the construction of turbine structures, new roads, and an electrical collector system. Each wind turbine will be located in an opening that will be graded relatively flat and, after construction, all but approximately 0.35 acres will be allowed to revegetate to herbaceous and shrub covers. The road system needed to construct the project requires that roads have a travel surface of at least 36 feet wide on the summit for the passage of the crane needed to erect the turbines. All other roads will include a travel surface of up to 24 feet.

For local wildlife, the direct loss of habitat could occur from the conversion of vegetated habitats to permanent roads and turbine clearings. Potential indirect effects could also include disturbance effects during and following construction of the project, which could result in short-term avoidance of the area by some species and targeted use of the project area by others, possible longer-term avoidance of the area by certain species, and the conversion of some forested habitats to early successional habitats. The potential impact to wildlife communities due to habitat conversion is not expected to adversely affect those populations since local wildlife populations have already adapted to the occasional rapid changes in the distribution of habitats along the ridge from harvesting activities.

#### 5.2. Collision Risk

It is known that birds and bats collide with tall structures such as buildings, communications towers, and wind turbines. Because wind turbines are large, have moving parts, and extend above the surrounding landscape, the potential exists for wildlife collisions to occur. However, at existing wind projects in the U.S. where mortality studies have been conducted, collision risk is generally considered low relative to other sources of bird mortality and to other energy sources (i.e., fossil fuels and nuclear power). Table 1 provides a summary of estimates of known sources of bird mortality.

Structure/Cause	Total Bird Fatalities	Reference
Building and Windows	98 - 980 million	Klem 1991
Power Lines	10,000 - 174 million	Erickson <i>et al.</i> 2001
Housecats	100 million	Coleman and Temple 1993
Vehicles	60 - 80 million	Erickson <i>et al.</i> 2001
Agricultural Pesticides	67 million	Pimentel and Acquay 1992
Communication Towers	4 - 50 million	Erickson <i>et al.</i> 2001
Wind Generation Facilities	10,000 - 40,000	Erickson <i>et al.</i> 2001

### Table 1. Summary of Nation-Wide Bird Mortality Estimates

#### 5.2.1.Measurement of Avian Mortality and Comparability

The original concern that wind farm-induced fatalities could pose biologically significant impacts to bird populations arose from a few facilities, mainly Altamont Pass and Solano County Wind Resource Areas in California [Altamont Pass; Orloff and Flannery 1992, Hunt 2002]). Post-construction monitoring plans are typically developed in consultation with state and federal agencies. Such plans detail field methodology in terms of timing, proportion of turbines to search, size of search areas, and search interval. Plans also specify how fatality estimates are calculated statistically, and how correction factors (i.e., results of searcher efficiency trials in which the observer is tested to help assess what percent of carcasses the observer actually finds, and results of carcass persistence trials, which assess how long carcasses persist on the ground before being scavenged and are available to be discovered), are incorporated. Scavenger

removal trials help inform the appropriate search interval (i.e. daily versus weekly). It is important to acknowledge that fatality estimates, which are generally expressed as fatalities per turbine or fatalities per megawatt, are evolving, and fatality estimates between sites must be compared with caution because of differences in methodology or estimators. Also, these studies and statistical analyses have not been designed to recover every bird and bat that may be involved in a collision event at a project over the course of a year; rather they are designed to sample peak periods of collision risk at a representative sample of turbines at a project to estimate the level of take over the course of a study period. In this respect, these estimates are indices of the level of impact that each project is causing. These indices can best be compared with similar field methodology used at sites with similar physical and landscape characteristics (i.e., forested ridgeline, agricultural field).

Bird and bat fatality study protocols at existing wind farms in Maine (Mars Hill, Stetson, Kibby, and Rollins) and New Hampshire (Lempster) have been developed in consultation with the respective state and federal agencies. Other states such as New York and Pennsylvania have developed guidelines for post-construction monitoring methods for which study work plans can be developed in a uniform fashion. While study protocols have been tailored to address individual project study objectives, the afore mentioned studies in Maine and New Hampshire have all included the following key elements for these types of studies: searches under turbines (either a subset or all turbines), searcher efficiency trials, carcass persistence trials, and statistical analysis to estimate total mortality during a study period.

These studies have generally been conducted from mid-April to mid-October (sometimes with a break in June), to cover spring migration, the summer breeding period, the late-summer bat activity period, and the fall migration period. The majority of studies in Maine and New Hampshire have used a weekly search interval where individual turbines are searched every 7 days. The advantage to a weekly search interval versus a daily search interval is the feasibility of including all or half of turbines (depending on the size of the project) in searches. The appropriate search interval (weekly or daily) would be dependent on survey objectives as well as scavenger activity at a project. Weekly searches are adequate if the objective is to determine estimates, or indices, of take for comparison with most other available studies and a reasonable number of carcass persistence trial carcasses remain between search intervals.

Turbine searches at these forested ridgeline projects in Maine and New Hampshire involved searching the areas leveled for turbine lay-down (typical plot diameter of 75 meters) with linear transects established 3 to 5 meters apart. For those wind projects in landscape settings where searching a greater area is feasible, such as agricultural landscapes in New York, search areas are typically as large as 120 meters by 120 meters (the length of the typical height of the maximum rotor-swept height of modern turbines, squared). Some carcasses may land outside of the 75 meters average diameter turbine lay-down area at projects on forested ridgelines; however, studies have indicated that the majority of carcasses are found closer to turbine bases. For example, a study at the Maple Ridge Wind Project in New York, which included search areas of 120 meters by 130 meters, indicated that the mean distance birds and bats were found from tower bases was 39 meters and 26 meters, respectively (Jain et al. 2009). For those projects with exceptionally small search areas (Lempster, NH), search area correction factors – based on the distribution of carcasses found within search areas – may be applied to account for some of the carcasses that may have landed outside of search plots.

Vegetation cover within plots also influences the percent of carcasses that may be found by searchers. Studies may involve vegetation management to increase searcher efficiency rates, or may include visibility class mapping within plots to account for variable searcher efficiency in different vegetation cover types.

5.2.2. Review of Known Collision Risk

Birds

In 2004, raptor mortality estimates at Altamont Pass were 0.24 fatalities per turbine per year (fatalities/turbine/year), or 1,296 raptor fatalities (GAO 2005). Altamont Pass and Solano County Wind Resource Areas are located along migratory 'bottlenecks' or sites where birds were seasonally very

active. Studies conducted at those California facilities that experienced high fatality rates found significant contributing factors to the high mortality observed: the number, density, and physical characteristics of turbines (there over 5,000 turbines present at Altamont Pass alone); high raptor wintering density; high prey densities within the wind resource areas; and the funneling of migrants through these areas by topographical features. Additionally, the turbines are predominantly older generation turbines that are smaller, lower to the ground, and with blades that spin faster as wind speed increases. Turbines at these sites also are spaced very close together in comparison to more modern facilities with larger turbines. Finally, most turbines are placed on lattice-type towers, which could provide perch locations in close proximity to spinning blades.

Raptor mortality in the U.S., outside of California, has been documented to be very low; mortality rates found at onshore wind developments outside of Altamont Pass have documented 0 to 0.07 fatalities/turbine/year from 2000-2004 (GAO 2005). Results of roughly 30 studies at over 25 different locations throughout the U.S. (outside California) have documented approximately 50 total raptor fatalities (Appendix B Table 1). This compares with more than 100 raptor mortalities documented per year at Altamont Pass and overall estimates of thousands killed annually at that facility. Documented flight heights of raptors migrating through a project area does not correlate to collision risk, particularly since raptors frequently exhibit avoidance behavior, probably due to their propensity to migrate during clear weather conditions during daylight hours. Studies have documented high raptor collision avoidance behaviors at modern wind facilities (Whitfield and Madders 2006, Chamberlain *et al.* 2006, Tetra Tech EC, Inc. 2010). As most raptors are diurnal, raptors are able to visually, as well as acoustically detect turbines during periods of fair weather. Foraging raptors that may become distracted by prey, resident young birds that are learning to fly, or migrant raptors flying during periods of reduced visibility, may be at increased risk of collision with wind turbines.

Songbirds (e.g., warblers, vireos, thrushes, sparrows) account for up to 80 percent of known fatalities reported at wind facilities (Johnson *et al.* 2000, Erickson *et al.* 2002). Mortality of these species has included both daytime and nocturnal fatalities (Erickson *et al.* 2001), however collisions are more likely to occur in periods of low visibility during inclement weather mainly at night. Publicly available results of recent studies at 15 wind projects in the northeastern U.S. (Maine, New Hampshire, Vermont, New York) estimate fatality rates between 3.10 to 9.48 birds/turbine/year (Maple Ridge, New York; Jain *et al.* 2007) to 0.44 to 2.5 birds/turbine/year (Mars Hill, Maine; Stantec Consulting 2008) (Appendix B Table 2). Using comparable post-construction monitoring methodologies developed in consultation with USFWS and MDIFW, avian fatalities/turbine/year (36 total birds were found during standard searches; Stantec Consulting 2008) and 2.4 to 2.65 birds/turbine per year (41 total birds were found during standard searches; Stantec Consulting 2009), respectively; fatality monitoring in 2009 and 2010 at Stetson I/II estimated 4.03⁵ (Stantec Consulting 2010) to 2.14 bird fatalities/turbine/year (Normandeau Associates 2010), respectively.

#### Bats

Emerging evidence suggests that migratory bats are at a greater risk of turbine collisions than birds, particularly in certain areas of the country. This concern arose mainly from a study at the 44-turbine Mountaineer Wind Energy Facility in Tucker County, West Virginia where 475 dead bats (47.5 bats/turbine/year) were documented between April 20 and November 9, 2003 (Johnson and Strickland 2004). A 2009 post-construction study at the Blue Sky Green Field project in Wisconsin documented an unprecedented, high mortality rate for the Midwest, with total estimated mortality of 40.5 bat fatalities per turbine (Gruver 2009). At a 56-turbine facility southeast of Lubbock, Texas, observers found 47 Brazilian free-tailed bats, an abundant species, from September 2006 to September 2007 (Miller 2008). At a 68-turbine facility in northwestern Oklahoma, 95 Brazilian free-tailed bats were found (Piorkowski 2006). These and similar subsequent studies have raised concerns that bat mortality associated with wind

⁵ Results of the 2009 Stetson study are likely influenced by the proportion of avian carcasses found at turbine number 1 which is situated next to an at-the-time inadvertently lit operations and maintenance building.

turbine collisions could adversely impact bat populations (Williams 2003; GAO 2005; Arnett *et al.* 2008; Kunz *et al.* 2007a).

Mortality of eight bat species has been documented at wind energy facilities in the eastern U.S. (Kunz et al. 2007b), with most fatalities occurring during what is generally considered the fall migration period of August to November (Arnett et al. 2008, Cryan 2003, Cryan and Brown 2007, Johnson et al. 2005). Species documented under turbines in the East include little brown myotis, northern myotis, tri-colored bat, seminole, silver-haired, hoary, red, and big brown bats. Mortality estimates for bats in Maine are far lower than those documented at other projects in the East and in other regions of the U.S. Publicly available results from post-construction monitoring studies conducted between April and November at the 195-turbine Maple Ridge Wind Project in New York in 2007 and the 44-turbine Mountaineer Wind Project in West Virginia in 2003 estimated 15.54 to 18.53 bat fatalities/turbine/year (Jain et al. 2008) and 47.53 bat fatalities/turbine/year (Kerns and Kerlinger 2004), respectively. At Maple Ridge, 64 turbines were searched weekly, and at Mountaineer, 44 turbines were searched twice per week. In comparison, postconstruction monitoring surveys at Mars Hill in 2007 and 2008 estimated 0.43 to 4.4 bat fatalities/turbine/year and 0.17 to 0.68 bats/turbine/year, respectively (27 total bats were found during standard searches in both years); monitoring at Stetson I in 2009 estimated 2.11 bat fatalities/turbine/year and monitoring at Stetson II in 2010 estimated 2.48 bat fatalities/turbine/year (19 total bats were found during standard searches in both years) (Appendix B Table 2). Note that post-construction mortality studies at these 2 projects were similar in terms of search interval and timing; 28 turbines at Mars Hill and 19/17 turbines at Stetson I/II were searched on a weekly basis between April and October⁶. At the Kibby Wind Project in Franklin County, Maine, 6 total bat carcasses were found during searches in 2011, resulting in estimated fatality rates of 0 bats/turbine/year in spring and 0.37 bats/turbine/year in fall. Searches occurred at half of the turbines (22 out of 44) 3 times every 2 weeks from May to the end of June and July to mid-October (Stantec 2011) (Appendix B Table 2). Mortality estimates at all three projects used estimator adjustment calculations derived from searcher efficiency and scavenger trail data, which has been standard protocol for post-construction monitoring in Maine.

Despite what is currently known about bat collision rates in Maine, it is important to acknowledge that little is known about the migration patterns and numbers of migratory bats in Maine and other States, and the factors contributing to levels of risk. Researchers currently have a limited understanding of the actual mechanism of bat collisions, although evidence from the timing of fatalities documented at existing wind facilities and other structures suggests that migrating bats are most at risk, whereas resident bats during the summer feeding and pup-rearing period are considered low risk (Johnson and Strickland 2004, Johnson *et al.* 2003, Whitaker and Hamilton 1998). Additionally, only certain species of bats appear to be at risk. Of the 45 species of bats that occur in the U.S., only approximately 11 species have been found during mortality searches (Arnett *et al* 2008). In most regions, including the eastern U.S., migratory treeroosting species such as hoary, eastern red, and silver-haired bats have higher mortality rates at wind projects than cave-dwelling species (Arnett *et al* 2008). At Stetson I in 2009 and Stetson II in 2010, 60 percent (n=3) and 79 percent (n=11), respectively, of bat fatalities found by the observer during standard searches⁷ were migratory tree-roosting bats.

#### 5.2.3. Summary of Collision Risk at the Hancock Wind Project

Results of post-construction mortality surveys at the project are expected to be comparable to those at Stetson I/II, and Rollins as all three occur on similar landscape features (forested ridgelines) with similar historical land use activity (i.e. harvesting) in a similar geographic region (the Northeast U.S.). The project would include 18 turbines, which is fairly small compared to most wind projects already operating in the eastern U.S., and the smallest project developed by First Wind in Maine. The project will conduct a similar post-construction mortality monitoring study similar to the studies conducted at Rollins and Stetson I/II.

⁶ Except for the 2007 study at Mars Hill, which was conducted from April to September.

⁷ Standard surveys at Mars Hill included dog searches.

However, unlike at Rollins and Stetson I/II, the project will curtail project turbines, resulting in potentially lower fatality rates at the project than observed at Rollins and Stetson I/II. Curtailment has been shown to be an effective strategy to reduce bat mortality; one recent study documented reductions in nightly fatality from 44 to 93 percent (Arnett *et al* 2010).

Although results of pre-construction surveys alone cannot predict level of risk at a project, when compared to other results of similar projects in the region, results may help relate the project to other projects in the region, or illustrate regional patterns in migration activity, timing, or species composition (in the case of raptors). Understanding regional patterns, particularly when concurrent post-construction mortality results are available from operational wind projects in the same region, may help inform the level of risk at a project. The results of pre-construction surveys are consistent with the results of surveys conducted at other proposed wind developments in the northeastern U.S., as summarized below and further described in the seasonal Avian and Bat Migration Survey Reports (Exhibit 7C).

#### Raptors

The results of raptor surveys at the project and at Bull Hill are within the range of results documented at other proposed wind projects in the region (Exhibit 7C).

Pre-construction raptor survey results do not correlate to post-construction mortality of raptors. The risk of collision of raptors at facilities aside from those facilities at migration bottlenecks or high use areas is low. Due to most raptors' day-time habits in combination with the slow moving blades of modern industrial turbines, raptors are aware of the spinning blades and rotor structures and avoid them. The turbines at the project will consist of this modern design, lacking the features believed to present a greater risk of collision. Additionally, most raptors migrate during periods of good visibility when conditions are favorable for long-distance flight. Therefore, the risk of migrant raptors colliding with the proposed turbines is anticipated to be low. Some resident raptors engage in flight behaviors that could put them at a greater risk of collision, such as aerial courtship displays. Owls primarily forage during nocturnal and crepuscular periods. Despite these behaviors, as explained above, mortality surveys at existing wind farms, outside of the California facilities that observed high fatalities due to local circumstances, have indicated low raptor mortality. One raptor fatality, a barred owl, occurred in two years of study (2007 and 2008) at Mars Hill, and was thought to have been a natural winter kill during the severe 2007-2008 winter conditions (Stantec 2008). At Stetson I, post-construction raptor surveys occurred in conjunction with the post-construction mortality surveys. A total of 79 raptors (34 in spring; 45 in fall) during 70 hours of survey were observed during both spring and fall survey seasons (Stantec 2010). During postconstruction mortality surveys, two red-tailed hawks were found, however they were not turbine-related fatalities (they were electrocuted by a riser pole of the electrical collection system). Incidental observations of raptors during the mortality survey at Stetson I in 2009 included instances of raptor turbine-avoidance behaviors. Out of 47 incidental observations, 7 raptors exhibited turbine-avoidance behaviors. For these 7 observations, raptors made slight changes to their flight paths as they approached spinning turbines. No raptors observed came into contact with the turbines, and no raptor fatalities were documented under turbines despite continued use of the airspace during migration or breeding periods, post-operation (Stantec 2010). Raptor mortality data from other projects in the U.S. and from Stetson I/II indicated that this trend of low raptor mortality can also be expected at the project.

Regardless, to the extent practicable, the project has been designed to reduce potential detrimental effects to local wildlife, including raptors. For example, the electrical collector system has been designed with consideration of the Avian Power Line Interaction Committee's (APLIC) Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006. This manual was developed to mitigate and avoid electrocution with overhead electrical lines. The overall goal of the collection system design is to reduce risk of avian electrocution to the extent practicable while ensuring reliability and maintenance safety of the system.

#### Nocturnal Migrants

Passage rates as measured by radar surveys conducted at the Bull Hill project are consistent with results documented at other proposed wind projects in Maine and in the region (Exhibit 7C). Average flight height in fall 2011 was near the low end of the range of average flight heights at other projects in Maine and in the eastern U.S.; however, it is important to note that flight heights are expected to vary year-toyear based on seasonal weather patterns, and results of pre-construction surveys have not been shown to relate to post-construction fatality results. Emerging data indicates that migration characteristics, such as flight height and passage rates, are known to differ between pre- and post-construction radar datasets at the same study location (Stantec 2010). Average flight height in particular has been shown to differ between pre-and post-construction years, indicating that the presence of the turbines on the landscape may influence the flight behavior of migrants (Stantec 2010). Nocturnal radar surveys were conducted both pre-construction (fall 2006) and post-construction (fall 2009) at Stetson I. Between the two years, the nightly range and seasonal mean of percent of targets observed below maximum turbine height (125 meters [410 feet]) was substantially lower in fall 2009 than in fall 2006. In fall 2006, the range in nightly flight heights was 219 to 506 meters (718 to 1659 feet) with an average flight height of 378 meters (1,239 feet); in fall 2009, the range in nightly flight heights was 328 to 514 meters (1,075 to 1,685 feet), with an average flight height of 420 meters (1,377 feet). In fall 2006, 13 percent of targets were below the proposed maximum turbine height; in 2009, 2 percent of targets were below the maximum turbine height. On a nightly basis during the fall 2009 surveys, flight heights were relatively higher and remained consistently high throughout the night, without a noticeable hourly peak (Stantec 2010).

The results of these and other radar studies conducted in the eastern U.S. suggest that the vast majority of nocturnal migrants fly at altitudes well above the rotor swept zone of proposed turbines. Although some migrating songbirds will be susceptible to collision at the project, there have been no known cases of population-level impacts to individual songbird species as a result of a project (Environmental Bioindicators Foundation, Inc. and Pandion Systems, Inc.), likely because results from operational projects have indicated mortality across a diverse group of songbirds, with no particular songbird species disproportionally affected.

Another example of a strategy to reduce impacts to wildlife and particularly songbirds includes minimizing lighting on the turbines⁸ and on buildings within the project area to minimize disruptions in nocturnal migratory behavior, and maximizing use of the existing road network to minimize new roads in the area. Wetland areas will be avoided to the maximum extent possible to reduce impacts to species that use these habitats, including migratory waterbirds and waterfoul.

### Bats

The acoustic bat surveys conducted at the Bull Hill project documented results similar to other preconstruction surveys. The results of these surveys, including variability in bat activity and generally low detection rates above canopy height, are consistent with other publicly available acoustic surveys conducted at proposed wind projects in the region (Exhibit 7C). Although bats are likely present in the project area, which is to be expected, the activity levels at Bull Hill within the range documented at other sites with acoustic bat detectors at the forest-edge, including Mars Hill, Lempster, and Stetson (Exhibit 7C).

In addition, Hancock has committed to curtail wind turbines during wind conditions when previous studies have shown that bats are active, and when existing Maine-based post-construction fatality data indicates that the potential for bat mortality is greatest.

⁸ Turbine lighting on turbines is limited to a single flashing red light based on FAA lighting requirements, placed on a subset of turbine nacelles, which are well below the height at which most migrants fly. See Exhibit 30D for the project Lighting Plan. A recent study found no relationship to avian morality and turbine lighting (Kerlinger, 2010).

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Appendix A Publicly Available Post-Construction Results

			Appendix B	Table 1. Comp	parison of bird a	ind bat mortalit	ty at existing wir	nd farms in the eastern U.S.
Site	Habitat type (# turbines)	Dates surveyed	Search interval	# BATS found during surveys (incidental)	Estimated BATS/turbine/ period (total)	# BIRDS found during surveys (incidental)	Estimated BIRDS/turbine /period (total)	Reference
Searsburg, Vermont	forested (11)	June 30 - Oct 18, 1997	11 total (4 per search) 2 to 6 days per month	0	n/a	0	n/a	Kerlinger, P. 2002. An Assessment of the Impacts of Green Mountain Power Corporation's Wind Power Facility on Breeding and Mgrating Birds in Searsburg, Vermont. Prepared for the Vermont Department of Public Service Montpelier, Vermont. Subcontractor report for the National Renewable Energy Laboratory INREL/SR-500-28591.
Somerset County, Pennsylvania	agricultural (8)	2000 (12 months)	n/a	0	n/a	0	n/a	Kerlinger, P. 2006. Supplement to the Phase I Avian Risk Assessment and Breeding Bird Study for the Deerfield Wind Project, Bennington County, Vermont. Prepared for Deerfield Wind, LLC.
Mountaineer, West Virginia	forested ridgeline (44)	April 4 - Nov 11, 2003	2x per week	475	47.53 (2092)	69*	4.04 (178 + 33 due to substation lighting)	Kerns, J., and P. Kerlinger. 2004. A study of bird and bat collision fatalities at the Mountaineer Wind Energy Center, Tucker County, West Virginia, USA: annual report for 2003. <http: docs="" mountaineerfinalavianrpt3-15-04pkjk.pdf="" www.responsiblewind.org="">. (Accessed 30 September 2007).</http:>
Mountaineer, West Virginia	forested ridgeline (44)	July 31- Sept 11, 2004	22 daily, 22 weekly	398 (68)	38 (1364-1980)	15 (n/a)	n/a	Arnett, E.B., W.P. Erickson, J. Kerns, and J. Horn. 2005. Relationships between bats and wind turbines in Pennsylvania and West Virginia: an assessment of fatality search protocols, patterns of fatality, and behavioral interactions with wind turbines. Bats and Wind Energy Cooperative.
Meyersdale, Pennsylvania	forested ridgeline (20)	Aug 2 - Sept 13, 2004	10 daily, 10 weekly 18 of 18 every week,	262 (37)	25 (400-660)	13 (4)	n/a	Arnett, E.B., W.P. Erickson, J. Kerns, and J. Horn. 2005. Relationships between bats and wind turbines in Pennsylvania and West Virginia: an assessment of fatality search protocols, patterns of fatality, and behavioral interactions with wind turbines. Bats and Wind Energy Cooperative. Fiedler, J.K., T.H. Henry, R.D. Tankersley, and C.P. Nicholson 2007. Results of Bat and Bird Mortality
Buffalo Mtn, Tennessee	reclaimed mine on ridge (18)	April - Dec 10, 2005	every 2 weeks, or every 2-5 days	243 (14)	63.9 (1,149)	9 (2)	1.8 (112)	Vonitoring at the Expanded Buffalo Mountain Windfarm, 2005 June 28, 2007. Prepared for Tennessee Valley Authority. Jain, A., P. Kerlinger, R. Curry, and L. Slobodnik. 2007. Annual report for the Maple Ridge wind power
Maple Ridge, New York	woodland, grassland, agricultural (120)	June 17 - Nov 15, 2006	10 every 3-days, 30 7- days, 10 daily	326 (58)	11.39-20.31 (1367-2437.2)	123 (15)	3.10-9.48 (372- 1138)	project post-construction bird and bat fatality study—2006. Annual report prepared for PPM Energy and Horizon Energy. Curry and Kerlinger, Cape May Point, New Jersey, USA. http://www.wind- watch.org/documents/wp-content/uploads/maple_ridge_report_2006_final.pdf Accessed 1 December 2007.
Maple Ridge, New York	woodland, grassland, agricultural (195) woodland,	April 30 - Nov 14, 2007	64 weekly	202 (81)	15.54-18.53 (3030-3614)	64 (32)	5.67-6.31 (1106-1230)	Jain, A. P. Kerlinger, R. Curry, and L. Slobodnik. 2008. Annual report for the Maple Ridge wind power project post-construction bird and bat fatality study—2007. Annual report prepared for PPM Energy and Horizon Energy. Curry and Kerlinger, Cape May Point, New Jersey, USA.
Maple Ridge, New York	grassland, agricultural (195)	April 15 - Nov 9, 2008		140 (76)	8.18 - 8.92 (1595-1739)	74 (23)	3.42-3.76 (667- 733)	Jain, A. P. Kerlinger, R. Curry, and L. Slobodnik. 2009. Annual report for the Maple Ridge wind power project post-construction bird and bat fatality study—2007. Annual report prepared for PPM Energy and Horizon Energy. Curry and Kerlinger, Cape May Point, New Jersey, USA.
Mars Hill, Maine	forested ridgeline (28)	April 23-June 3, July 15-Sept 23, 2007	2 of 28 daily, 28 of 28 weekly, seasonal dog searches	22 (2)	0.43-4.4 (12.1-122.5)	19 (3)	0.44-2.5 (27-69)	Stantec Consulting. 2008. Spring, Summer, and Fall Post-construction Bird and Bat Mortality Study at the Mars Hill Wind Farm, Maine. Unpublished report prepared for UPC Wind Management, LLC.
Mars Hill, Maine	forested ridgeline (28) agricultural	April 19 - June 6, July 15-Oct 8, 2008	28 of 28 weekly, seasonal dog searches 12 of 23 weekly,	5 (0)	0.17-0.68 (5-19)	17(4)	2.4-2.65 (57-74)	Stantec Consulting. 2009. Post-construction Monitoring at the Mars Hill Wind Farm, Maine – Year 2. Unpublished report prepared for First Wind Management, LLC.
Munnsville, New York	forested uplands (23)	April 15-Nov 15, 2008	seasonal dog searches	9 (1)	0.70-2.90 (16-67) daily: 24.21	7 (3)	1.71-2.22 (39-51)	Stantec Consulting. 2009. Post-construction monitoring at the Munnsville Wind Farm, New York, 2008. Prepared for E.ON Climate and Renewables.
Mount Storm, West Virginia	forested ridgeline (82)	July 18 - Oct 17, 2008	18 weekly, 9 daily	182 (27)	(1985) weekly: 7.76 (636)	29 (8)	2.41-3.81 (198-312)	Young, D.P., W.P. Erickson, K. Bay, S. Normani, W. Tidhar. 2009. Mount Storm Wind Energy Facility, Phase 1: Post-construction Avian and Bat Monitoring. Prepared for: NedPower Mount Storm, LLC.
Mount Storm, West Virginia	forested ridgeline (82) forested ridge,	July-October 2010	25 daily	308 (73)	22.39 (1836)	36 (11)	2.77 (227)	Young, D.P., S. Nomani, W. Tidhar, and K. Bay. 2010. Mount Storm Wind Energy Facility Post- construction Avian and Bat Monitoring, July-October 2010. Prepared for NedPower Mount Storm, LLC. Arnett, E.B., M. Schirmacher, M.P. Huso, J.P. Hayes. 2010. Effectiveness of changing wind turbine cut-
Casselman, Somerset Cty, PA	grassland mine ridge (23) forested ridge,	July 27 - October 9, 2008	22 daily	32***	24.2 (557)	N/A	N/A	in speed to reduce bat fatalities at wind facilities. A final report submitted to the Bats and Wind Energy Cooperative. Bat Conservation International. Austin, Texas, USA. Arnett, E.B., M. Schirmacher, M.P. Huso, J.P. Hayes. 2010. Effectiveness of changing wind turbine cut-
Casselman, Somerset Cty, PA	grassland mine ridge (23) agricultural,	July 26 - October 8, 2009	22 daily	39***	17.4 (400) daily: 5.45 (365); 3-day: 4.81 (322);	N/A	N/A daily: 1.43 (956); 3-day: 3.26 (218);	in speed to reduce bat fatalities at wind facilities. A final report submitted to the Bats and Wind Energy Cooperative. Bat Conservation International. Austin, Texas, USA. Jain, A., P. Kerlinger, R. Curry, L. Slobodnik, J. Histed, and J. Meacham. 2009. Annual Report for the
Clinton, New York	woodland (67) agricultural, woodland	April 26 to October 13, 2008 April 15 to November	8 daily, 8 every 3- days, 7 weekly	39 (14)	weekly: 3.76 (252) daily: 9.72 (651); weekly: 5.16	14 (9)	weekly: 2.48 (166) daily: 1.50 (101); weekly: 1.76	Noble Clinton Windpark, LLC. Postconstruction Bird and Bat Fatality Study – 2008. Prepared by Curry and Kerlinger, LLC. Jain, A., Kerlinger, P., Slobodnik, L., Curry, R., Russel, K. 2010. Annual Report for the Noble Clinton Windpark, LLC Post-Construction Bird and Bat Fatality Study - 2009. Prepared for Noble Environmental
Clinton, New York	(67) agricultural,	15, 2009	8 daily, 15 weekly	36 (6)	(3.46) daily: 8.17 (441); 3-day: 6.94 (375);	16 (8)	(118)	Power, LLC. Jain, A., P. Kerlinger, R. Curry, L. Slobodnik, A. Fuerst, and C. Hansen. 2009. Annual Report for the
Ellenburg, New York	woodland (54) agricultural,	April 28 to Oct 13, 2008	6 daily, 6 every 3- days, 6 every 7-days	34 (25)	weekly: 4.19 (226) daily: 8.01 (433);	12 (10)	3-day: 1.37 (74); weekly: 1.18 (64) daily: 5.69 (307);	Noble Ellenburg Windpark, LLC. Postconstruction Bird and Bat Fatality Study – 2008. Prepared by Curry and Kerlinger, LLC. Jain, A., Kerlinger, P., Slobodnik, L., Curry, R., Russel, K. 2010. Annual Report for the Noble Ellenburg
Ellenburg, New York	woodland (54)	April 15 to November 15, 2009	6 daily, 12 weekly	28 (4)	weekly: 3.70 (200) daily: 7.58 (508);	19 (2)	weekly: 2.29 (124)	Windpark, LLC Post-Construction Bird and Bat Fatality Study - 2009. Prepared for Noble Environmental Power, LLC.
Bliss, New York	agricultural, woodland (67) agricultural, woodland	April 21 to Nov 14, 2008 April 15 to November	8 daily, 8 every 3- days, 7 weekly	74 (15)	3-day:14.66 (983); weekly: 13.01 (872) daily: 8.24 (552); weekly: 4.46	20 (7)		Jain, A., P. Kerlinger, R. Curry, L. Slobodnik, J. Quant, D. Pursell. 2009. Annual Report for the Noble Bliss Windpark, LLC. Postconstruction Bird and Bat Fatality Study – 2008. Prepared by Curry and Kerlinger, LLC. Jain, A., Kerlinger, P., Slobodnik, L., Curry, R., Russel, K. 2010. Annual Report for the Noble Bliss Windpark, LLC Post-Construction Bird and Bat Fatality Study - 2009. Prepared for Noble Environmental
Bliss, New York	(67)	15, 2009 April 26 to October	8 daily, 15 weekly 22 weekly, 8 daily from July 18 to Sept	36 (0)	(299) daily: 6.51 (423); weekly: 3.87	25 (7)	(192) daily: 1.55 (101); weekly: 2.76	Jain, A., Kerlinger, P., Slobodnik, L., Curry, R., Russel, K. 2011. Annual Report for the Noble Altona Windpark, LLC Post-Construction Bird and Bat Fatality Study - 2010. Prepared for Noble Environmental
Altona, New York Cohocton and Dutch	(65) agricultural,	15, 2010 April 15 to Nov 15,	18	24 (7)	(252) daily: 40.4 (2002); weekly: 13.8	14 (6)	(180)	Power, LLC. Stantec Consulting. 2010. Cohocton and Dutch Hill Wind FarmsYear 1 Post-Construction Monitoring Report, 2009 for the Cohocton and Dutch Hill Wind Farms In Cohocton, New York. Prepared for
Hill, NY	woodland (50) agricultural,	2009 April 26 to October	5 daily, 12 weekly 17 weekly except when 12 weekly and 5 daily from July 15-	62 (7)	(804) daily: 25.62 (1281); weekly 1: 5.04 (252); weekly 2: 10.44	15 (3)	235) daily: 2.06 (103); weekly 1: 0.82 (41); weekly 2:	Canandaigua Power Partners, LLC and Canandaigua Power Partners II, LLC. Stantec Consulting. 2011. Cohocton and Dutch Hill Wind Farms Year 2 Post-Construction Monitoring Report, 2010 for the Cohocton and Dutch Hill Wind Farms In Cohocton, New York. Prepared for
Hill, NY	woodland (50) agricultural,	22, 2010 April 15 to Oct 15,	Sept 17	63 (5)	(522)	9 (1)	1.16 (58)	Canandaigua Power Partners, LLC and Canandaigua Power Partners II, LLC. Jain, A., Kerlinger, P., Slobodnik, L., Curry, R., Russel, K., Harte, A. 2011. Annual Report for the Noble Wethersfield Windpark, LLC Post-Construction Bird and Bat Fatality Study - 2010. Prepared for Noble
Wethersfield, NY Chateaugay, NY	woodlots (84) agricultural, woodlots (71)	2010 April 26 to Oct 15, 2010	28 weekly 24 weekly	62 (13) 22 (7)	24.45 (2054) 3.66 (260)	11 (7) 19 (9)	2.55 (214)	Environmental Power, LLC. Jain, A., Kerlinger, P., Slobodnik, L., Curry, R., Russel, K. 2011. Annual Report for the Noble Chateaugay Windpark, LLC Post-Construction Bird and Bat Fatality Study - 2010. Prepared for Noble Environmental Power, LLC.
Lempster, NH	forested ridgeline (12) forested ridgeline	April 15-June 1; July 15-Oct 31, 2009 April 15-June 1; July	24 weekiy 4 daily	10 (2)	3.66 (260) spring: 0.58 (7); fall: 5.51 (66) spring (0); fall	9 (4)	2.40 (170) spring: 0.80 (10); fall: 5.95 (71) spring: 1.16 (14);	
Lempster, NH Stetson Mountain I,	(12) forested ridgeline	15-Oct 31, 2010 April 20 to Oct 21,	12 weekly	14 (5)	7.13 (86) 2.11	11 (0)	fall: 4.12 (49)	Lempster Wind Project. Prepared for Lempster Wind, LLC. Stantec Consulting. 2010. Stetson I Mountain Wind Project, Year 1 Post-Construction Monitoring
Maine Stetson Mountain I,	(38) forested ridgeline	2009 April 18 to October	19 weekly	5 (0)	(80)	30 (9)	4.03 (153)	Report, 2009. Prepared for First Wind Management, LLC. Normandeau Associates. 2010. Year 3 Post-construction avian and bat casuality monitoring at the
Maine Stetson Mountain II, Maine	(38) forested ridgeline (17)	21, 2011 April 19 to Oct 15, 2010	19 weekly	4 (0)	0.43 (16)	7 (0)	1.77 (67) 2.14 (36.41)	Stetson I Wind Farm. Prepared for First Wind, LLC. Normandeau Associates. 2010. Stetson Mountain II Wind Project Year 1 Post-Construction Avian and Bat Montality Monitoring. Prepared for First Wind, LLC.
Maine Kibby Mountain, Maine	(17) forested ridgeline (44)	2010 May 2 to June 20; July 11 to October 14, 2011	17 weekly 22 3 times every 2 wks	14 (0) 6 (3)	2.48 (42.12) spring: (0); fall: 0.37 (16)	11 (0) 17 (4)	spring: 0.72 (32);	Bat Mortality Monitoring. Prepared for First Wind, LLC. Stantec Consulting. 2011. 2011 Post-Construction Monitoring Report Kibby Wind Power Project, Franklin County, Maine. Prepared for TransCanada Hydro Northeast, Inc.
	y 23, 2003 at turbines	s near a substation and riod April 20 to June 1.	at substation associat y.					

Weaver Wind Project MDEP Natural Resource Protection Act Application ATTACHMENT 9: SITE CONDITIONS REPORT

# Exhibit 9-5

Evidence of Weaver Wind LLC Good Standing



Corporate Name Search

# Information Summary

Subscriber activity report

This record contains information from the CEC database and is accurate as of: Wed Oct 17 2018 11:40:57. Please print or save for your records.

Legal Name	Charter Number	Filing Type	Status	
WEAVER WIND, LLC	20130154FC	LIMITED LIABILITY COMPANY (FOREIGN)	GOOD STANDING	
Filing Date	Expiration Date	Jurisdiction		
09/24/2012 N/A		DELAWARE		
Other Names	6	(A=Assumed ;	F=Former)	

NONE

**Clerk/Registered Agent** 

CORPORATION SERVICE COMPANY 45 MEMORIAL CIRCLE AUGUSTA, ME 04330