WETLAND DETERMINATION DATA FORM - Alaska Region

		orough/City:	Denali Bo	rough Sampling Date: 08-Aug-13
Applicant/Owner: Alaska Energy Authority				Sampling Point:SW13_T170_03
Investigator(s): WAD, RWM		Landform (hill	side, terrac	e, hummocks etc.): peat mound
Local relief (concave, convex, none): convex		Slope: 0.0	% / 0.0	° Elevation: 826
Subregion: Interior Alaska Mountains	Lat.: 6	33.421555042	2	Long.: -148.652425051 Datum: WGS84
Soil Map Unit Name:	_			NWI classification: Upland
Are Vegetation , Soil , or Hydrology national na	nificantly urally pro	disturbed?	(If nee	(If no, explain in Remarks.) ormal Circumstances" present? Yes No O ded, explain any answers in Remarks.) s, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Remarks:			the Sam thin a W	pled Area etland? Yes ○ No ●
/EGETATION -Use scientific names of plants. List			<u> </u>	Dominance Test worksheet:
	bsolute Cover	Dominant Species?	Indicator Status	Number of Dominant Species
1. Picea glauca	3	~	FACU	That are OBL, FACW, or FAC:4(A)
2.	0			Total Number of Dominant Species Across All Strata: 5 (B)
3.	0			Percent of dominant Species
4.	0			That Are OBL, FACW, or FAC: 80.0% (A/B)
5Total Cover:				Prevalence Index worksheet: Total % Cover of: Multiply by:
Sapling/Shrub Stratum 50% of Total Cover: 1.5	20%	of Total Cover:	0.6	OBL Species <u>0</u> x 1 = <u>0</u>
Betula glandulosa	60	✓	FAC	FACW Species 40 x 2 = 80
Vaccinium uliginosum	25		FAC	FAC Species 94 x 3 = 282
Vaccinium vitis-idaea	5		FAC	FACU Species <u>8</u> x 4 = <u>32</u>
4. Ledum decumbens	35	~	FACW	UPL Species0 x 5 =0
Chamaedaphne calyculata	5		FACW	Column Totals: <u>142</u> (A) <u>394</u> (B)
6. Spiraea stevenii	5		FACU	Prevalence Index = B/A = 2.775
7				
8				Hydrophytic Vegetation Indicators:
9.				Dominance Test is > 50%
10Total Cover:				✓ Prevalence Index is ≤3.0
Herb Stratum 50% of Total Cover: 67.				Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
Calamagrostis canadensis		✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
Carex bigelowii 3.	0		FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4				Plot size (radius, or length x width)
5				% Cover of Wetland Bryophytes
6				(Where applicable)
7.				% Bare Ground
8	0			Total Cover of Bryophytes 30
9				Undrankutia
Total Cover:	4			Hydrophytic Vegetation
		of Total Cover:	0.8	Present? Yes No

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SOIL Sampling Point: SW13_T170_03

Profile Description: (Description)		eded to documer	nt the indicator or co			ators)		
Depth (inches) Color	Matrix			dox Featu		. 2	Texture	Remarks
0-3	(moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	<u>Loc</u> 2	Fibric Organics	Remarks
							Hemic Organics	
3-9		100		_				
9-16		100					Sapric Organics	
-								
-			-				-	
¹ Type: C=Concentration	. D=Depletion.	RM=Reduced	Matrix ² Locatio	n: PL=Pore	Lining. RC	=Root Cha	nnel. M=Matrix	
Hydric Soil Indicators	1	I	ndicators for P	roblematic	Hydric So	oils: ³		
Histosol or Histel (A1			Alaska Color C		4		Alaska Gleyed Without Hu	ue 5Y or Redder
Histic Epipedon (A2)	,		Alaska Alpine				Underlying Layer	
Hydrogen Sulfide (A	l)		Alaska Redox	With 2.5Y H	lue		Other (Explain in Remark	s)
Thick Dark Surface (•							
Alaska Gleyed (A13)	•		³ One indicator of and an appropria				nary indicator of wetland h	ydrology,
Alaska Redox (A14)		,	ани ан арргорна	ite iaiiuscap	e position i	nust be pre	esent	
Alaska Gleyed Pores	(A15)		⁴ Give details of o	color change	in Remark	is .		
Restrictive Layer (if prese	-							
Type: seasonal frost	, ice rich						Hydric Soil Present?	? Yes ○ No •
Depth (inches): 16								
İ								
HYDROLOGY								
HYDROLOGY Wetland Hydrology In	dicators:						Secondary Indic	ators (two or more are required)
								ators (two or more are required) ned Leaves (B9)
Wetland Hydrology In			☐ Inundation \	/isible on Ae	erial Image	ry (B7)	Water Stair	
Wetland Hydrology In	one is sufficient)		☐ Inundation \		-		Water Stair Drainage P	ned Leaves (B9)
Wetland Hydrology In Primary Indicators (any o Surface Water (A1) High Water Table (A Saturation (A3)	one is sufficient)			getated Con	-		Water Stair Drainage P Oxidized RI Presence of	ned Leaves (B9) atterns (B10) nizospheres along Living Roots (C3) f Reduced Iron (C4)
Wetland Hydrology In Primary Indicators (any of Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1)	one is sufficient) 2)		Sparsely Veg	getated Con ts (B15)	cave Surfac		Water Stair Drainage P Oxidized R	ned Leaves (B9) atterns (B10) nizospheres along Living Roots (C3) f Reduced Iron (C4)
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