WETLAND DETERMINATION DATA FORM - Alaska Region

	Borough Sampling Date: 28-Aug-15				
Applicant/Owner: Alaska Energy Authority	Sampling Point: SW15_T333_14				
nvestigator(s): AFW Landform (hillside, terrace, hummocl					
Local relief (concave, convex, none): convex Slope: 15.8 % / 9.0 ° Eleva					
Subregion: Interior Alaska Mountains Lat.: Long.:	Datum: WGS84				
	NWI classification: Upland				
Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circu	o, explain in Remarks.) umstances" present? Yes No No in any answers in Remarks.)				
Hydrophytic Vegetation Present? Yes No	no, important router oo, etc.				
○ ○ Is the Sampled Are	Is the Sampled Area				
riyulic soil Fresent?	within a Wetland? Yes ○ No ●				
Wetland Hydrology Present? Yes ○ No ● Within a Wetland: Remarks:					
Tree Stratum Absolute Dominant Indicator Number of Num	ce Test worksheet: f Dominant Species				
1.	DBL, FACW, or FAC: 4 (A)				
	nber of Dominant cross All Strata: 5 (B)				
3	f dominant Species				
	OBL, FACW, or FAC: 80.0% (A/B)				
5. Prevalence	e Index worksheet:				
	al % Cover of: Multiply by:				
Sapling/Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0 OBL	Species0 x 1 =0				
1. Vaccinium uliginosum 15 🗹 FAC FACV	W Species x 2 =14				
	Species <u>55</u> x 3 = <u>165</u>				
3. Betula nana 15 FAC FACU	U Species <u>27</u> x 4 = <u>108</u>				
4. Dryas integrifolia 10 FACU UPL	Species0 x 5 =0				
5. Vaccinium vitis-idaea 10 FAC Colum	mn Totals:89 (A)287 (B)				
6. Arctous alpinus 8 FACU					
7. Loiseleuria procumbens 3 FACU	alence Index = B/A =				
	rtic Vegetation Indicators:				
	inance Test is > 50%				
	alence Index is ≤3.0				
Herb Stratum 50% of Total Cover: 40.5 20% of Total Cover: 16.2 Rema	hological Adaptations (Provide supporting data in arks or on a separate sheet)				
	lematic Hydrophytic Vegetation (Explain)				
2. Anthoxanthum monticola ssp. alpinum 3 UPL 1 Indicators be present	s of hydric soil and wetland hydrology must t, unless disturbed or problematic.				
0	radius, or length x width) <u>10m</u>				
5	of Wetland Bryophytes				
6 (Where ap					
7 % Bare Gr	round <u>65</u>				
	er of Bryophytes <u>35</u>				
$\begin{bmatrix} 9. & & & & \\ 10 & & & & \\ \end{bmatrix}$					
nvaroph					
50% of Total Cover: 4 20% of Total Cover: 1.6 Present :					

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SOIL Sampling Point: SW15_T333_14

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)											
Depth Matrix Redox Features											
(inches)	Color (m	oist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-2	10YR	4/2	100					Loamy Sand			
2-3			100					Hemic Organics	w mineral content		
3-15	2.5Y	4/3	100					Loamy Sand	fine to coarse gravel and cobbles		
					-			-			
1 Type: C=Cor		=Depletion	RM=Reduc	ed Matrix ² Location	n: PI =Por	e Linina. RC	=Root Cha	nnnel. M=Matrix	-		
		2 оргосиот		Indicators for Pr							
Hydric Soil I				Alaska Color C		4	olis:	Alaska Clayed Without H	us FV or Boddor		
	r Histel (A1)			Alaska Alpine s		-	☐ Alaska Gleyed Without Hue 5Y or Redder Underlying Layer				
Hydrogen	Sulfide (A4)			Alaska Redox \	•	•		Other (Explain in Remark	(S)		
	Surface (A12	2)									
Alaska Gle	-	-,						nary indicator of wetland h	ydrology,		
Alaska Red	dox (A14)			and an appropria		•	•	esent			
Alaska Gle	yed Pores (A1	.5)		⁴ Give details of o	olor chang	e in Remark	is .				
Restrictive Laye	er (if present):										
Type:								Hydric Soil Present	? Yes ○ No •		
Depth (inch	nes):										
Remarks:											
no hydric soil ir	ndicators										
HYDROLO	GY										
Wetland Hyd		ators:						Secondary Indi	cators (two or more are required)		
Primary Indica			:)						ned Leaves (B9)		
Surface W	/ater (A1)			☐ Inundation V	isible on A	erial Image	ry (B7)				
☐ High Wate	er Table (A2)			Sparsely Veg	etated Co	ncave Surfac	ce (B8)	Oxidized Rhizospheres along Living Roots (C3)			
Saturation (A3)				Marl Deposit	Marl Deposits (B15)				Presence of Reduced Iron (C4)		
☐ Water Ma	rks (B1)			Hydrogen Su	ılfide Odor	(C1)		☐ Salt Depos	its (C5)		
Sediment Deposits (B2) Dry-Season Water Table (C2)							☐ Stunted or	Stressed Plants (D1)			
☐ Drift Depo	osits (B3)			Other (Expla	in in Rema	arks)		Geomorph	ic Position (D2)		
Algal Mat	or Crust (B4)							Shallow Ac	quitard (D3)		
Iron Depo	sits (B5)							Microtopog	graphic Relief (D4)		
Surface S	oil Cracks (B6))					1	FAC-neutra	al Test (D5)		
Field Observa		,, C									
Surface Water	r Present?		No •	Depth (inche	es):						
Water Table P		Yes 🤇	No 💿	Depth (inche	es):		Wetla	nd Hydrology Presen	t? Yes ○ No •		
Saturation Pre (includes capi		Yes C	No •	Depth (inche	es):						
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
Remarks:											
no wetland hydrology indicators											

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