WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T212_										
	01									
Investigator(s): SLI, EAC Landform (hillside, terrace, hummocks etc.): Hillside										
Local relief (concave, convex, none): flat Slope: 7.0 % / 4.0 ° Elevation: 675										
Subregion: Interior Alaska Mountains Lat.: 63.381445289 Long.: -148.908126712 Datum: WGS	84									
	<u> </u>									
Soil Map Unit Name: NWI classification: Upland Are climatic/hydrologic conditions on the site typical for this time of year? Yes NO (If no, explain in Remarks.)										
Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.										
Hydrophytic Vegetation Present? Yes No • Hydric Soil Present? Yes No • Is the Sampled Area										
within a Wetland? Yes ∪ No •	/etland? Yes ○ No •									
Wetland Hydrology Present? Yes O No Within a Wetland?										
Remarks: Lichen-rich sfwws knob /EGETATION - Use scientific names of plants. List all species in the plot.										
Absolute Dominant Indicator Tree Stratum % Cover Species? Status Number of Dominant Species										
That are OBL, FACW, or FAC: 2	A)									
Total Number of Dominant										
3 Species Across All Strata.	В)									
Percent of dominant species	A/B)									
5 O Prevalence Index worksheet:										
Total Cover: Total % Cover of: Multiply by:										
Sapling/Shrub Stratum 50% of Total Cover: 3.5 20% of Total Cover: 1.4 OBL Species 0 x 1 = 0										
1. Picea glauca 15 FACW Species 5 x 2 = 10										
2. Betula glandulosa 25 ✓ FAC Species 35.1 x 3 = 105.3										
3. Betula occidentalis 1 FAC FACU Species 22.1 x 4 = 88.40										
4. Vaccinium uliginosum 7 FAC UPL Species 0 x 5 = 0										
5. Vaccinium vitis-idaea	(B)									
6. Ledum decumbens 5 L FACW										
7. Empetrum nigrum 1 FAC Prevalence Index = B/A = 3.275										
8 O Hydrophytic Vegetation Indicators:										
9 Dominance Test is > 50%										
10 0										
Total Cover: 55	a in									
1. Anthoxanthum monticola ssp. alpinum 0.1 FACU Problematic Hydrophytic Vegetation (Explain)										
2. Festuca altaica O.1 FAC 1 Indicators of hydric soil and wetland hydrology must										
3 be present, unless disturbed or problematic.										
4										
5										
6 (Where applicable)										
7										
8 O Total Cover of Bryophytes 3										
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										
10. Hydrophytic	Hydrophytic									
Total Cover: 0.2 Vegetation 50% of Total Cover: 0.1 20% of Total Cover: 0.04 Present? Yes ○ No ●										
<u> </u>										

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SOIL Sampling Point: SW13_T212_01

Profile Description	on: (Describe to	the depth ne	eded to docu	ıment the inc	licator or cont	firm the ab	sence of indic	ators)		, rome. OW15_1212_01	
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) Redox Features											
Depth (inches) Color (mois		ist)	%	Color (m	Color (moist)		Type ¹	Loc ²	Texture	Remarks	
0-2	7.5YR	2.5/1	100						Silt Loam		
2-3	7.5YR	4/2	60	7.5YR	7/1	40		M	Fine Sandy Loam	E horizon, 2 matrix colors.	
3-8	7.5YR	4/3	80	5YR	3/3	20		М	Loam	2 matrix colors	
8-21	10YR	4/3	80	7.5YR	4/3	20			Sandy Loam	5% gravels, 1% cobbles.	
								-			
								-	-		
¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix ² Location: PL=Pore Lining. RC=Root Channel. M=Matrix											
Hydric Soil Indicators: Indicators for Problematic Hydric Soils: ³											
									Alaska Gleyed Without H	ue 5Y or Redder	
Histic Epipedon (A2) Alaska Alpine swales (TA5)								Underlying Layer			
Hydrogen :	Sulfide (A4)			Alas	ka Redox W	ith 2.5Y F	lue		Other (Explain in Remarl	ks)	
	Surface (A12)			3 ∩ne ir	ndicator of h	ovdrophyt	ic vegetatio	n one nrir	many indicator of wetland h	ovdrology	
Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) and an appropriate landscape position must be present											
Alaska Redox (A14) 4 Give details of color change in Remarks											
☐ Alaska Gley	yed Pores (A15	5)		GIVE C	ictalis or co	ior change	e iii Keiliaik	J			
Restrictive Laye	r (if present):										
Type:									Hydric Soil Present	? Yes O No 🖲	
Depth (inch	es):										
Remarks:											
no hydric soil indicators											
HYDROLO	GY										
Wetland Hydr		tors:							Secondary Indi	cators (two or more are required)	
Primary Indicat			t)						Water Stained Leaves (B9)		
Surface W	ater (A1)			☐ In	undation Vis	sible on A	erial Imagei	y (B7)			
☐ High Wate	Surface Water (A1)								Chizospheres along Living Roots (C3)		
Saturation (A3) Marl Deposits (B15)							. ,	Presence of	of Reduced Iron (C4)		
☐ Water Mar	ks (B1)			□ Ну	drogen Sulf	ide Odor	(C1)		☐ Salt Depos	sits (C5)	
Sediment	Deposits (B2)			☐ Dr	y-Season W	ater Tabl	e (C2)		Stunted or	Stressed Plants (D1)	
☐ Drift Depo	sits (B3)			Ot	her (Explain	in Rema	rks)		Geomorph	ic Position (D2)	
	or Crust (B4)								Shallow Ad	quitard (D3)	
Iron Depo										graphic Relief (D4)	
Surface So	oil Cracks (B6)							1	☐ FAC-neutra	al Test (D5)	
Field Observa											
Surface Water	Present?		No 💿	De	epth (inches	s):					
Water Table P	resent?	Yes 🤇	No 💿	De	epth (inches	s):		Wetla	nd Hydrology Presen	nt? Yes O No 💿	
Saturation Pre (includes capil		Yes C	No •	De	epth (inches	s):					
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
Demarks:											
Remarks:	rology indicate	orc .									
no wetland hyd	rology indicate	л5									

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