## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority  Investigator(s): SLI, EKJ  Local relief (concave, convex, none): hummocky  Slope: % / 1.2 ° Elevation: 706  Subregion: Interior Alaska Mountains  Lat.: 62.7836481214  Long.: -148.393455742  Datum: NAD83  Soil Map Unit Name:  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?  SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present? Yes No Lis the Sampled Area within a Wetland? Yes No No Within a Wetland? Yes No No Within a Wetland?										
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Hydrophytic Vegetation Present? Yes No Ves N										
Hydric Soil Present? Yes No										
Hydric Soil Present? Tes Soil No Soil State of Market and Soil State of										
Wetland Hydrology Present? Yes   No   No   Wetland Hydrology Present?	within a wetland?									
Remarks:										
VEGETATION - Use scientific names of plants. List all species in the plot.										
Absolute Dominant Indicator Dominance Test worksheet:										
Tree Stratum  Mumber of Dominant Species That are OBL, FACW, or FAC:  4 (A)										
1. O Total Number of Dominant										
2										
3 Percent of dominant Species										
4 0 That Are OBL, FACW, or FAC: (A/I	B) 									
5 O Prevalence Index worksheet:										
Total Cover:0 Total % Cover of: Multiply by:										
Sapling/Shrub Stratum  50% of Total Cover:0										
1. Betula nana										
2. Empetrum nigrum 10 FAC FAC Species 37 x 3 = 111 FAC FAC FAC Species 37 x 3 = 111 FAC										
3. Rhododendron tomentosum 15 FACW FACU Species 1 x 4 = 4										
4. Vaccinium vitis-idaea										
	(B)									
6. Vaccinium oxycoccos 1 OBL Prevalence Index = B/A = 2.569										
9										
Total Cover: 45 Morphological Adaptations <sup>1</sup> (Provide supporting data in	in									
Herb Stratum 50% of Total Cover: 22.5 20% of Total Cover: 9 Remarks or on a separate sheet)										
1. Carex bigelowii 10 FAC Problematic Hydrophytic Vegetation 1 (Explain)										
2. Rubus chamaemorus 7 FACW <sup>1</sup> Indicators of hydric soil and wetland hydrology must										
3. Eriophorum russeolum 3 Eriophorum russeolum be present, unless disturbed or problematic.										
4										
5 % Cover of Wetland Bryophytes										
6 (Where applicable)										
7										
8 O Total Cover of Bryophytes 98										
9										
10 O Hydrophytic										
Total Cover: 20 Vegetation Present? Yes No										
Remarks: sphagnum and polytrichum dominate bryophytes.										

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SOIL Sampling Point: SW12\_T33\_05

Profile Descripti	ion: (Describe to t	he depth ne	eded to docume	ent the inc		nfirm the abs		ators)			
(inches)	Color (moi	st)	%	Color (m	noist)	_%_	Type <sup>1</sup>	_Loc_2	Texture	Remarks	
0-7			100			-			Fibric Organics		
7-18	10Y	3/1	89	10YR	4/4	10		PL	Sandy Clay	plus 1% lower value & chroma concentratio	
-						-					
					-					-	
							-				
					-						
¹Type: C=Cor	ncentration. D=	Depletion.					_		annel. M=Matrix		
Hydric Soil I	Hydric Soil Indicators: Indicators for Problematic Hydric Soils. <sup>3</sup>										
Histosol or Histel (A1)  Alaska Color Change (TA4)									Alaska Gleyed Without Hue 5Y or Redder		
Histic Epip	edon (A2)			Alaska Alpine swales (TA5)  Underlying Layer							
Hydrogen	Sulfide (A4)		ļ	Alas	ka Redox W	Vith 2.5Y H	lue		Other (Explain in Remark	(S)	
☐ Thick Dark	Surface (A12)			_							
Alaska Gle	yed (A13)						cic vegetation oe position n		mary indicator of wetland h	ydrology,	
✓ Alaska Red	dox (A14)						•	•	escrit		
Alaska Gle	eyed Pores (A15	)		<sup>4</sup> Give o	details of co	olor change	e in Remark	S			
Restrictive Laye	er (if present):										
Type:									Hydric Soil Present	? Yes ● No O	
Depth (inch	nes):										
HYDROLO	GY										
Wetland Hydi	rology Indica	tors:							Secondary Indi	cators (two or more are required)	
Primary Indica	tors (any one is	sufficient	1						Water Stai	ned Leaves (B9)	
Surface W	/ater (A1)			In	undation Vi	isible on A	erial Imager	ry (B7)	Drainage P	Patterns (B10)	
✓ High Wate	er Table (A2)			Sparsely Vegetated Concave Surface (B8)				ce (B8)	Oxidized Rhizospheres along Living Roots (C3)		
✓ Saturation		☐ Ma	arl Deposits	(B15)			Presence o	f Reduced Iron (C4)			
☐ Water Ma	rks (B1)			□ Ну	drogen Sul	fide Odor	(C1)		Salt Depos	its (C5)	
Sediment	Deposits (B2)			☐ Dr	y-Season W	Vater Table	e (C2)		☐ Stunted or	Stressed Plants (D1)	
☐ Drift Depo	osits (B3)			☐ Ot	ther (Explain	n in Rema	rks)		Geomorphi	ic Position (D2)	
Algal Mat	or Crust (B4)								Shallow Aq	uitard (D3)	
☐ Iron Depo	osits (B5)								Microtopog	graphic Relief (D4)	
Surface S	oil Cracks (B6)								<b>✓</b> FAC-neutra	l Test (D5)	
Field Observa	ations:										
Surface Water	r Present?	Yes 🔾	No 💿	De	epth (inches	s):					
Water Table P	Present?	Yes 💿	No $\bigcirc$	Do	epth (inches	s): 3		Wetla	nd Hydrology Presen	t? Yes • No O	
Saturation Pre	esent?	V (a)	No O			•			,		
(includes capi		Yes 🔍	No ∪	De	epth (inches	s): 0					
Describe Recor	ded Data (strea	am gauge,	monitor well,	aerial p	hotos, prev	ious inspe	ection) if ava	ilable:			
Remarks:											

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