WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Investigator(s): SLI, EKJ Local relief (concave, convex, none): flat Subregion: Southcentral Alaska Lat: 62.8488582656 Sampling Point: SW12_T18_11 Landform (hillside, terrace, hummocks etc.): Shoreline Local relief (concave, convex, none): flat Lat: 62.8488582656 Long: -149.22999569 Datum: NAD83									
Investigator(s): SLI, EKJ Landform (hillside, terrace, hummocks etc.): Shoreline Local relief (concave, convex, none): flat Slope: % / 3.0 ° Elevation: 738									
Local relief (concave, convex, none): flat Slope: % / 3.0 ° Elevation: 738									
Subregion: Sourcentral Alaska Lat 62.0400502050 Long149.22999509 Datum. NADOS									
Oall Man Unit Manne.									
Soil Map Unit Name: NWI classification: PEM1B									
Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation , Soil , or Hydrology significantly disturbed? Are Vegetation , Soil , or Hydrology naturally problematic? 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 Signature No Signa									
Hydric Soil Present? Tes No C									
Wetland Hydrology Present? Yes No No Within a Wetland? Yes No									
VEGETATION - Use scientific names of plants. List all species in the plot. Absolute Dominant Indicator Dominance Test worksheet:									
Tree Stratum W Cover Species? Status Number of Dominant Species That are OBL, FACW, or FAC: 5 (A)									
1 Total Number of Dominant									
2									
3 Percent of dominant Species									
4									
5 O Prevalence Index worksheet:									
Total Cover: 0 Total % Cover of: Multiply by: Sapling/Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0 OBL Species 22 X 1 = 22									
1. Empetrum nigrum 7 FAC FACW Species 13 x 2 = 26									
2. Betula nana 5 FAC Species 34 x 3 = 102									
3. Andromeda polifolia 2 FACW FACU Species 0 x 4 = 0									
4. Rhododendron tomentosum 3									
5. <u>Vaccinium uliginosum</u> <u>5</u> <u>Vaccinium uliginosum</u> Column Totals: <u>69</u> (A) <u>150</u> (B									
6 0									
7									
8 Hydrophytic Vegetation Indicators:									
9									
To the state of th									
Total Cover:22									
1. Dodecatheon jeffreyi 3 FACW Problematic Hydrophytic Vegetation ¹ (Explain)									
2. Rubus chamaemorus 3 FACW 1 Indicators of hydric soil and wetland hydrology must									
3. Sanguisorba officinalis 2 FACW Indicators of Hydric soil and wedarid Hydrology Hust be present, unless disturbed or problematic.									
4. Anemone richardsonii 1 FAC									
5 Deschampsia caespitosa 15 FAC Plot size (radius, or length x width) 10m									
6. Carex adelostoma 5 OBL % Cover of Wetland Bryophytes (Where applicable)									
7. Trichophorum caespitosum 7 OBL % Bare Ground 2									
8. Viola adunca 1 FAC Total Cover of Bryophytes 95									
9. Eriophorum angustifolium 10 🗹 OBL									
g. Enophorum angustilolium									
10									

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SOIL Sampling Point: SW12_T18_11

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) Redox Features										
Depth (inches)	Color (mois		%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-1	COIOI (IIIOI	st)	100	color (Illoist)		Туре	LUC	Fibric Organics	- Tolliano	
1-13			100					Hemic Organics		
					-					
-								-		
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										
Histosol o	r Histel (A1)			☐ Alaska Color Change (TA4) ☐ Alaska Gleyed Without Hue 5Y or Redder						
✓ Histic Epip	pedon (A2)		[Alaska Alpine swales (TA5) Underlying Layer						
Hydrogen	Sulfide (A4)		[Alaska Redox With 2.5Y Hue Other (Explain in Remarks)						
☐ Thick Darl	k Surface (A12)									
Alaska Gleyed (A13)										
Alaska Redox (A14)										
Alaska Gleyed Pores (A15) 4 Give details of color change in Remarks										
Restrictive Lay	er (if present):									
Type:							Hydric Soil Present?	? Yes ● No O		
Depth (inches):										
HYDROLOGY										
Wetland Hyd	rology Indicat	ors:						Secondary Indic	cators (two or more are required)	
Primary Indicators (any one is sufficient)						Water Stained L			ned Leaves (B9)	
✓ Surface V	Vater (A1)			☐ Inundation Visible on Aerial Imagery (B7)				Drainage Patterns (B10)		
✓ High Wat	er Table (A2)			Sparsely Vegetated Concave Surface (B8)				Oxidized R	nizospheres along Living Roots (C3)	
✓ Saturation	. ,			Marl Deposits (B15)					f Reduced Iron (C4)	
Water Ma				☐ Hydrogen Sulfide Odor (C1)				Salt Deposi		
	Deposits (B2)			Dry-Season Water Table (C2)					Stressed Plants (D1)	
☐ Drift Dep				U Other (Expla	in in Rema	rks)		✓ Geomorphi	` '	
	or Crust (B4)							☐ Shallow Aq		
Iron Depo								_	raphic Relief (D4)	
	oil Cracks (B6)							✓ FAC-neutra	i Test (D5)	
Field Observa		Yes	No O	Danth (in the						
Surface Wate				Depth (inche	•					
Water Table F		Yes 💿	No \bigcirc	Depth (inche	es):		Wetlai	nd Hydrology Present	t? Yes • No 🔾	
Saturation Pre (includes capi		Yes	No O	Depth (inche	es):					
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:										
Domarke										
Remarks:			-£ -Ldi		-:					
iacustrine fring	e wetland with	ыпан areas	or standing v	water throughout	site					

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