WETLAND DETERMINATION DATA FORM - Alaska Region

Alaska Energy Authority Investigator(s): SLI, KMK Landform (hillside, terrace, hummocks etc.): Hillside Local relief (concave, convex, none): rolling Slope: No Long: -148.680065653 Datum: NAD83 Soil Map Unit Name: Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation Soil on thydrology in a significantly disturbed? Are "Normal Circumstances" present? Yes No No Normal Circumstances present? Are "Normal Circumstances" present? Yes No Normal Circumstances present? Yes Normal Circumstance									
Investigator(s): SLI, KMK Local relief (concave, convex, none): rolling Slope: % / 4.3 ° Elevation: 109 Subregion: Southcentral Alaska Lat.: 62.8934848426 Long.: -148.680065653 Datum: NAD83 Soil Map Unit Name: NWI classification: PSS1/EM1B 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 Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No No Hydrolog									
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Hydric Soil Present? Wetland Hydrology Present? Yes No Soil									
Wetland Hydrology Present? Yes No within a Wetland? Yes No No No ELSWET data. WEGETATION - Use scientific names of plants. List all species in the plot.									
Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? No Elswer data. Remarks: tablet data misnamed, recorded as SW12_T34_07. No Elswer data. VEGETATION - Use scientific names of plants. List all species in the plot. Dominance Test worksheet:									
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Absolute Dominant Indicator									
Niverbox of Descined Opening									
Tree Stratum 1. Species? Status Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)									
Total Number of Dominant									
Species Across All Strata.									
Percent or dominant Species That Are ORL FACTOR FA									
Total Cover: 0 Prevalence Index worksheet: Total % Cover of: Multiply by:									
Santing (Should Street up 50% of Total Covery 0 20% of Total Cover									
TACIM Species as well a second									
1. Odily public									
EACH Species To MATERIAL S									
LIDI Cassiss as W.F.T.									
Column Totals. 172 (A) 400 (B									
Prevalence Index = B/A =2.837_									
Nudrophytic Vegetation Indicators									
9									
10. 0									
Total Cover: 77 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)									
1. Gymnocarpium dryopteris 50 🗹 FACU Problematic Hydrophytic Vegetation ¹ (Explain)									
2. Equisetum pratense 15 FACW ¹ Indicators of hydric soil and wetland hydrology must									
3. Sanguisorba canadensis 7 FACW be present, unless disturbed or problematic.									
4. Chamaenerion angustifolium 3 FACU Plot size (radius, or longth y width)									
5. Cornus canadensis 5 FACU FACU FACU Cover of Wetland Bryophytes									
6. Spinulum annotinum 10 FACU (Where applicable)									
7. Rubus chamaemorus 1 FACW % Bare Ground 0									
8. Rhodiola integrifolia 2 FAC Total Cover of Bryophytes 50									
9. Rubus pedatus 2 FAC									
10									
Total Cover: 95 Vegetation 50% of Total Cover: 47.5 20% of Total Cover: 19 Present? Yes • No •									
50% of Total Cover: 47.5 20% of Total Cover: 19 Present? Yes No									

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SOIL Sampling Point: SW12_T34_08

Profile Descripti										
Depth Matrix				Redox Features				_		
(inches)	Color (mois	st)	<u>%</u> Co	olor (moist)	<u>%</u>	Type ¹	_ Loc _2	Texture	Remarks	
0-3.5								Hemic Organics	refusal at 3.5	
									-	
					-					
-					-					
¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix ² Location: PL=Pore Lining. RC=Root Channel. M=Matrix										
Hydric Soil I	ndicators:	ndicators for Pr	oblematio	Hydric So	oils: ³					
Histosol or Histel (A1)				Alaska Color Change (TA4) Alaska Gleyed Without Hue 5Y or Redder					lue 5Y or Redder	
Histic Epipedon (A2)				Alaska Alpine swales (TA5) Underlying Layer						
Hydrogen Sulfide (A4)				Alaska Redox V	Alaska Redox With 2.5Y Hue ✓ Other (Explain in Remarks)					
☐ Thick Dark	Surface (A12)			0	b 4 . b 1				to distance	
Alaska Gleyed (A13) Alaska Gleyed (A13) One indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, and an appropriate landscape position must be present										
Alaska Red	Alaska Redox (A14)									
Alaska Gleyed Pores (A15) 4 Give details of color change in Remarks										
Restrictive Laye	er (if present):									
Туре:				1				Hydric Soil Present	:? Yes 🏵 No 🔾	
Depth (inch	nes):									
Remarks: standing water in interstices between cobbles below 3.5 inches. pit dug in microtopographic low. assume hydric soils, insufficient time for development of full histic epipedon.										
HYDROLOGY										
-	rology Indicat	ors:						Secondary Ind	icators (two or more are required)	
-	tors (any one is								ined Leaves (B9)	
Surface Water (A1)				Inundation Visible on Aerial Imagery (B7)					Patterns (B10)	
✓ High Water Table (A2)				Sparsely Vegetated Concave Surface (B8)				Oxidized Rhizospheres along Living Roots (C3)		
✓ Saturation (A3)				Marl Deposits (B15)				Presence	of Reduced Iron (C4)	
☐ Water Marks (B1)				☐ Hydrogen Sulfide Odor (C1)				☐ Salt Depo	sits (C5)	
Sediment		Dry-Season Water Table (C2)			☐ Stunted o	r Stressed Plants (D1)				
☐ Drift Deposits (B3)				Other (Explain in Remarks)				Geomorph	nic Position (D2)	
Algal Mat	Algal Mat or Crust (B4)							Shallow A	quitard (D3)	
☐ Iron Depo	sits (B5)							Microtopo	graphic Relief (D4)	
Surface S	oil Cracks (B6)							☐ FAC-neutr	al Test (D5)	
Field Observa	ations:									
Surface Water	r Present?	Yes 🔾	No 🕑	Depth (inche	s):					
Water Table P	resent?	Yes 💿	No \bigcirc	Depth (inche	s): 4		Wetlar	nd Hydrology Preser	nt? Yes 💿 No 🔾	
Saturation Pre	esent?	Yes	No O	Donth (incho	·c). 0					
(includes capillary fininge)										
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:										
Remarks:										

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