WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Investigator(s): CTS, EKJ Local relief (concave, convex, none): flat Slope: % / 4.4 ° Elevation: 413 Subregion: Southcentral Alaska Lat.: 62.8054083161 Long.: -149.548335727 Datum: NADA Soil Map Unit Name: 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? (If needed, explain any answers in Remarks.)											
Landform (hillside, terrace, hummocks etc.): Flat											
Local relief (concave, convex, none): flat Slope: % / 4.4 ° Elevation: 413 Subregion: Southcentral Alaska Lat.: 62.8054083161 Long.: -149.548335727 Datum: NADO Soil Map Unit Name: NWI classification: PSS1B 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	13										
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7.10 regention — , or regently — eigenmeaning distances present:											
Are vegetation \Box , Soil \Box , or hydrology \Box naturally problematic? (If needed, explain any answers in Remarks.)	The regulation of results of the res										
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.											
Hydrophytic Vegetation Present? Yes No O											
Hydric Soil Present? Yes No O Is the Sampled Area											
Wetland Hydrology Present? Yes No No Within a Wetland? Yes No No	retiand? res @ No C										
Remarks: Low open Myrica/Dasiphora scrub, or Myrica/graminoid bog, boderline closed											
VEGETATION - Use scientific names of plants. List all species in the plot.											
Dominance Test worksheet:											
Tree Stratum Absolute Dominant Indicator % Cover Species? Status Number of Dominant Species											
1.	A)										
Total Number of Dominant	В)										
3	-,										
	A/B)										
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 80.2 x 1 = 80.2											
1. Dasiphora fruticosa 10 FAC FACW Species 0.3 x 2 = 0.600											
2 Myrica gale 50 V ORI FAC Species 16 x 3 = 48											
3 Potulo page 50 FACU Species 0 x 4 = 0											
4 Andromoda polifolia 0.1 UPL Species 0 x 5 = 0											
5 // // // // // // // // // // // // //	(B)										
5. <u>Vaccinium oxycoccos</u>	(D)										
7. Prevalence Index = B/A = 1.335											
8 Hydrophytic Vegetation Indicators:											
9											
10.											
Total Cover: 65.2 Morphological Adaptations (Provide supporting dat	a in										
<u>Herb Stratum</u> 50% of Total Cover: 32.6 20% of Total Cover: 13.04 Remarks or on a separate sheet)	Remarks or on a separate sheet)										
1. Eriophorum angustifolium 3 OBL Problematic Hydrophytic Vegetation (Explain)											
2. Carex limosa 1 OBL 1 Indicators of hydric soil and wetland hydrology must											
3. Trichophorum alpinum 2 OBL be present, unless disturbed or problematic.											
4. Carex aquatilis 4 OBL Plot size (radius, or length x width) 10m											
5. Carex microglochin 15 OBL % Cover of Wetland Bryophytes 70											
6. Menyanthes trifoliata OBL (Where applicable)											
7. Equisetum arvense 1 FAC % Bare Ground 2											
8. Swertia perennis O.1 Total Cover of Bryophytes 70											
9. Viola palustris O.1 FACW											
10. Drosera anglica OBL Hydrophytic											
Total Cover: 31.3 Vegetation 50% of Total Cover: 15.65 20% of Total Cover: 6.26 Present? Yes No											
50% of Total Cover: 15.65 20% of Total Cover: 6.26 Present? Yes No											

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SOIL Sampling Point: SW12_T37_03

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) Redox Features										
Depth (inches)	Color (mois	st)	% C	olor (moist)	%	Type ¹	_Loc_2	Texture	Remarks	
0-3	Color (Illois		95	oioi (iiioist)		Турс	LOC	Fibric Organics	5% roots	
3-19			95					Hemic Organics	5% roots	
								Tremie Organies	370 10003	
					-			-		
¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix ² Location: PL=Pore Lining. RC=Root Channel. M=Matrix										
Hydric Soil I	Hydric Soil Indicators: Indicators for Problematic Hydric Soils:									
✓ 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)			Alaska Redox \	With 2.5Y H	lue		Other (Explain in Remark	rs)	
☐ Thick Dark	Surface (A12)		-							
Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) 3 One indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, and an appropriate landscape position must be present										
Alaska Redox (A14)										
Alaska Gleyed Pores (A15) 4 Give details of color change in Remarks										
Restrictive Laye	er (if present):									
Type:								Hydric Soil Present	? Yes ● No O	
Depth (inch	nes):									
HYDROLO	GY									
Wetland Hydi	rology Indicat	ors:						Secondary Indi	cators (two or more are required)	
Primary Indica	tors (any one is	sufficient)						Water Stair	ned Leaves (B9)	
Surface W	/ater (A1)			☐ Inundation Visible on Aerial Imagery (B7)				Drainage Patterns (B10)		
✓ High Wate	` ,		Sparsely Vegetated Concave Surface (B8)				Oxidized Rhizospheres along Living Roots (C3)			
✓ Saturation	Marl Deposits (B15)				Presence of Reduced Iron (C4)					
Water Ma				Hydrogen Su	ılfide Odor	(C1)		Salt Depos		
	Sediment Deposits (B2) Dry-Season Water Table (C2)								Stressed Plants (D1)	
Drift Depo				U Other (Expla	in in Remai	rks)			c Position (D2)	
	or Crust (B4)								uitard (D3)	
Iron Depo	• ,								raphic Relief (D4)	
	oil Cracks (B6)						1	✓ FAC-neutra	l Test (D5)	
Field Observa		· ·	(2)							
Surface Water	Present?	Yes O		Depth (inche	es):					
Water Table P	resent?	Yes 💿	No O	Depth (inche	es): 3		Wetla	nd Hydrology Presen	t? Yes 💿 No 🔾	
Saturation Pre (includes capil		Yes •	No	Depth (inche	es): 0					
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:										
Remarks:										

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