WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Investigator(s): SLI, SCB	·										
Investigator(s): SLI, SCB Landform (hillside, terrace Slope: 0.0 % / 0.0 Subregion: Interior Alaska Mountains Lat.: Soil Map Unit Name: Are climatic/hydrologic conditions on the site typical for this time of year? Yes No	e, hummocks etc.): Toeslope ° Elevation:										
Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 Subregion: Interior Alaska Mountains Lat.: Soil Map Unit Name: Are climatic/hydrologic conditions on the site typical for this time of year? Yes No	° Elevation:										
Subregion : Interior Alaska Mountains Lat.: Soil Map Unit Name: Are climatic/hydrologic conditions on the site typical for this time of year? Yes No											
Soil Map Unit Name: Are climatic/hydrologic conditions on the site typical for this time of year? Yes No	Datum. WOOOT										
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No	ADAM alas alfrage and a second										
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Are Vegetation $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○										
7.10 Holling Groundless process.											
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 Samp											
	within a Wetland? Yes No										
Remarks: possibly should be F hydro, based on extent of surface water and bare ground, presence of SCOSCO. went with E due to shallowness of											
surface water and recent rainfall.											
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.	That are OBL, FACW, or FAC: (A)										
2.	Total Number of Dominant Species Across All Strata: 2 (B)										
3											
4.	Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)										
5.	Duayalanaa Tuday waalkahaati										
Total Cover: 0	Prevalence Index worksheet: Total % Cover of: Multiply by:										
Sapling/Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0	OBL Species :####; x1 = 46.5										
1. Salix fuscescens 1 FACW	FACW Species 1.1 x 2 = 2.200										
1. Salix fuscescens 1 FACW 2. Betula nana 0.1 FAC	FAC Species 0.3 x 3 = 0.900										
3 Vaccinium uliginosum	FACU Species 0 x 4 = 0										
	UPL Species 0 x 5 = 0										
6	Column Totals: <u>47.9</u> (A) <u>49.6</u> (B)										
7. 0	Prevalence Index = B/A = 1.035										
8	Hydrophytic Vegetation Indicators:										
90	✓ Dominance Test is > 50%										
10.	✓ Prevalence Index is ≤3.0										
Total Cover: 1.2	Morphological Adaptations (Provide supporting data in										
Herb Stratum50% of Total Cover:0.620% of Total Cover:0.24	Remarks or on a separate sheet)										
1. Eriophorum angustifolium 15 OBL	Problematic Hydrophytic Vegetation (Explain)										
2. Trichophorum caespitosum 30 OBL	1 Indicators of hydric soil and wetland hydrology must										
3. Carex pauciflora 1 OBL	be present, unless disturbed or problematic.										
4. Carex livida OBL OBL	Plot size (radius, or length x width)										
5. Triglochin palustris OBL OBL	% Cover of Wetland Bryophytes										
6. Tofieldia pusilla O.1 FAC	(Where applicable)										
7. Carex limosa OBL OBL	% Bare Ground 30										
8. Eriophorum brachyantherum 0.1 OBL	Total Cover of Bryophytes 20										
9. Juncus triglumis 0.1 FACW											
10. Carex livida OBL	Hydrophytic										
Total Cover: <u>46.7</u> 50% of Total Cover: 23.35 20% of Total Cover: 9.34	Vegetation Present? Yes ● No ○										
50% of Total Cover: <u>23.35</u> 20% of Total Cover: <u>9.34</u>											

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SOIL Sampling Point: SW15_T346_08

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) Redox Features											
Depth Color (moist)		%	Color (moist)	%	Type ¹	_Loc_2	Texture	Remarks			
0-8			100					Hemic Organics			
8-16	10YR	3/2	100					Silt Loam	with subangular gravels		
-		<u> </u>									
						-					
¹Type: C=Coi	¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix										
Hydric Soil I	ndicators:			Indicators for Pr	roblematio	c Hydric So	oils: ³				
Histosol o	r Histel (A1)			Alaska Color C	hange (TA	4) ⁴		Alaska Gleyed Without Hue 5Y or Redder			
✓ Histic Epip	pedon (A2)			Alaska Alpine	laska Alpine swales (TA5) Underlying Layer						
Hydrogen	Sulfide (A4)			Alaska Redox	With 2.5Y H	lue		Other (Explain in Remark	(S)		
☐ Thick Darl	k Surface (A12)		_							
Alaska Gle	eyed (A13)			³ One indicator of and an appropria				nary indicator of wetland h	ydrology,		
Alaska Re	dox (A14)					·	•	esent			
	eyed Pores (A1	5)		⁴ Give details of c	olor chang	e in Remark	(S				
Restrictive Laye	er (if present):										
Type:								Hydric Soil Present	? Yes 💿 No 🔾		
Depth (incl	nes):										
HYDROLO	GY										
Wetland Hyd	rology Indica	itors:						Secondary Indi	cators (two or more are required)		
Primary Indica	ators (any one	is sufficien	:)					Water Stained Leaves (B9)			
✓ Surface V	Vater (A1)			☐ Inundation Visible on Aerial Imagery (B7)				Drainage Patterns (B10)			
✓ High Water Table (A2)				Sparsely Vegetated Concave Surface (B8)			ce (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 Deposits (C5)					
Sediment Deposits (B2) Dry-Season Water Table (C2)							Stunted or Stressed Plants (D1)				
Drift Depo				U Other (Expla	in in Rema	rks)		Geomorphic Position (D2)			
	Algal Mat or Crust (B4) Shallow Aquitard (D3)										
Iron Depo									graphic Relief (D4)		
	oil Cracks (B6)	<u> </u>						✓ FAC-neutra	Il Test (D5)		
Field Observa		V (No O	5							
Surface Wate				Depth (inche	es): 1						
Water Table F	Present?	Yes 🧐	No 🔾	Depth (inche	es): 0		Wetla	nd Hydrology Presen	t? Yes • No 🔾		
Saturation Pro (includes capi		Yes 🖲	No O	Depth (inche	es): 0						
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
Remarks:											
shallow surface	e water over ca	a50% of th	e site.								

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