## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority  Investigator(s): SLI, EAC  Local relief (concave, convex, none): concave  Slope: % / 5.2 ° Elevation: 867  Subregion: Interior Alaska Mountains  Lat:: 63.3037700654  Long:: -148.211859226  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 aignificantly 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 Wetland Hydrology Present? Yes No Wetland? Yes No Wetland? Yes No Wetland?									
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Hydric Soil Present?  Wetland Hydrology Present?  Yes \( \) No \( \)  Wetland Hydrology Present?  Yes \( \) No \( \)  Within a Wetland?  Yes \( \) No \( \)									
Hydric Soil Present?  Wetland Hydrology Present?  Yes \( \) No \( \)  No \( \)  Within a Wetland?  Yes \( \) No \( \)									
Wetland Hydrology Present? Yes ○ No ● within a Wetland? Yes ○ No ●									
Tomano: Sabalpine awari sinab communicy									
VEGETATION - Use scientific names of plants. List all species in the plot.  Absolute Dominant Indicator Species? Status  Number of Dominant Species									
1. That are OBL, FACW, or FAC: 2 (A)									
Total Number of Dominant									
3 Openies Across All Strata.									
4. Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B									
5									
Total Cover: Prevalence Index worksheet:  Total % Cover of: Multiply by:									
Sapling/Shrub Stratum  50% of Total Cover: 0 20% of Total Cover: 0 OBL Species 0 x 1 = 0									
EACW Species 10 × 2 = 20									
1. Arctions alphines									
Z. Vaccinati vito lacci									
3. Empetrum nigrum 15 ✓ FAC FACU Species 37.1 x 4 = 148.4 4. Loiseleuria procumbens 15 ✓ FACU UPL Species 1.1 x 5 = 5.500									
5 Physical and the state of the									
5. Rhododendron tomentosum 10									
7. Betula glandulosa 10 FAC Prevalence Index = B/A = 3.295									
8. Picea glauca 1 FACU Hydrophytic Vegetation Indicators:									
9									
10.									
Total Cover: 96 Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)									
1. Anthoxanthum monticola ssp. alpinum 1 UPL Problematic Hydrophytic Vegetation (Explain)									
2. Spinulum annotinum 1 FACU <sup>1</sup> Indicators of hydric soil and wetland hydrology must									
3. Carex bigelowii 1 FAC be present, unless disturbed or problematic.									
4. Campanula lasiocarpa   O.1 UPL Plot size (radius, or length x width) 10m									
5. Cornus suecica  O.1  FAC  Plot size (radius, or length x width)  10m  % Cover of Wetland Bryophytes									
6. Anemone parviflora O.1 (Where applicable)									
7									
8 Total Cover of Bryophytes									
9									
10 Hydrophytic									
Total Cover: 3.3 Vegetation  50% of Total Cover: 1.65 20% of Total Cover: 0.66 Present? Yes ○ No ●									
50% of Total Cover: 1.65 20% of Total Cover: 0.66 Present? Yes No									

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SOIL Sampling Point: SW13\_T196\_04

									101111 011110_0-	
Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)  Matrix  Redox Features										
Depth (inches)	Color (moist)			Color (moist)	oox reatures <u></u>	_Loc_2	Texture	Remarks		
0-6	7.5YR	2.5/2	100	Coloi (moics,		1100		Sapric Organics	thin burned layer on bottom of horizon	
6-7	7.5YR	6/2	100					Very Fine Sandy Loam	eluviation	
7-8	5YR	3/4	100	-				Very Fine Sandy Loam	iron illuviation	
8-15	5YR	2.5/2	100					Loam w/lots of org. matter	Buried burned organic hor charcoal throu	
	3110	2.5/2							Daried Buried Organic (16). Charcoal alloa	
					-					
¹Type: C=Con	centration. D	=Depletion.	RM=Reduc	ced Matrix <sup>2</sup> Location	n: PL=Por	e Lining. RC	=Root Cha	annel. M=Matrix		
Hydric Soil Indicators: Indicators for Problematic Hydric Soils: <sup>3</sup>										
Histosol or	Histel (A1)		Alaska Color Cl					ue 5Y or Redder		
Histic Epipe	edon (A2)			Alaska Alpine swales (1A5)				Underlying Layer	, ,	
Hydrogen Sulfide (A4)  Alaska Redox With 2.5Y Hue  Other (Explain in Remarks)									s)	
Thick Dark Surface (A12)  Alacka Cloud (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 Redox (A15)  Give details of color change in Remarks										
Alaska Gleyed Pores (A15)										
Restrictive Laye	r (if present):	:							0 0	
Type:	oc).							Hydric Soil Present	? Yes ○ No •	
Depth (inches):										
Remarks:										
no hydric soil indicators										
HYDROLO										
Wetland Hydr	ology Indic	ators:						Secondary India	cators (two or more are required)	
Primary Indicators (any one is sufficient)							Water Stained Leaves (B9)			
Surface W	. ,			Inundation Visible on Aerial Imagery (B7)				☐ Drainage Patterns (B10)		
	r Table (A2)			Sparsely Vegetated Concave Surface (B8)				Oxidized Rhizospheres along Living Roots (C3)		
Saturation				<ul><li>✓ Marl Deposits (B15)</li><li>✓ Hydrogen Sulfide Odor (C1)</li></ul>					f Reduced Iron (C4)	
☐ Water Mar								☐ Salt Depos		
	Deposits (B2)	)		☐ Dry-Season \					Stressed Plants (D1)	
	☐ Drift Deposits (B3) ☐ Other (Explain in Remarks) ☐ Algal Mat or Crust (B4)								c Position (D2)	
	, ,							☐ Shallow Aq		
☐ Iron Depos	il Cracks (B6)	`						FAC-neutra	raphic Relief (D4)	
Field Observa		)						TAC-fleutia	rest (D3)	
Surface Water		Yes C	No •	Depth (inche	es):					
Water Table Pi			No •	. ,	•		Wetla	nd Hydrology Presen	t? Yes ○ No •	
Saturation Pres				Depth (inche	es):		Weda	na riyarology r resen	res o No o	
(includes capill		Yes 🔾	No 💿	Depth (inche	es):					
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:										
Remarks:										
no wetland hyd	rology indicat	tors								

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