WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T16, Investigator(s): SLI, KMK Landform (hillside, terrace, hummocks etc.): Ridgetop Local relief (concave, convex, none): convex Slope: % / 3.2 ° Elevation: 121 Subregion : Interior Alaska Mountains Lat.: 63.4295915299 Long:: -148.585843552 Datum: NAI Soil Map Unit Name: NWI classification: Upland Are climatic/hydrologic conditions on the site typical for this time of year? Yes Image: Not Classification: Upland Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes Image: Not Classification: Not Classifica	D83										
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Hydric Soil Present? Yes No Is the Sampled Area Wetland Hydrology Present? Yes No within a Wetland? Yes No											
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Wetland Hydrology Present? Yes No No Wetland? Yes No											
7 W	Wetland? Yes \cup No \bullet										
	$i \omega$										
VEGETATION - Use scientific names of plants. List all species in the plot. Absolute Dominant Indicator Tree Stratum % Cover Species? Status											
Tree Stratum % Cover Species? Status Number of Dominant Species 1. 0 That are OBL, FACW, or FAC: 2	(A)										
Total Number of Dominant											
	(B)										
3. 0 Percent of dominant Species 4. 0 That Are OBL, FACW, or FAC: 33.3%	(A/B)										
	(,,,,,,)										
Prevalence Index worksheet:											
Sapling (Shruh Stratum 50% of Total Cover: 0 20% of Total Cover: 0											
1. Dryas ajanensis 35 ✓ UPL FACW Species 0 x 2 = 0	-										
2. Salix arctica 15 ✓ FACU FAC Species 17 x 3 = 51											
3. Salix reticulata 10 FAC FACU Species 18 x 4 = 72											
4 0 UPL Species 38 x 5 = 190											
5. 0 0 Column Totals: 73 (A) 313	(B)										
$\begin{bmatrix} 6. \\ 7 \\ 7 \\ 7 \\ \hline \end{array}$											
8 0 Hydrophytic Vegetation Indicators:											
9 0											
10. 0 □ Prevalence Index is ≤3.0											
Total Cover: 60 Herb Stratum 50% of Total Cover: 3020% of Total Cover: 12 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)											
1. Antennaria friesiana 2 Image: Constraint of the second											
2. Erigeron acris 1 FAC ¹ Indicators of hydric soil and wetland hydrology must											
3. Carex microchaeta 3. Image: Carex microchaeta											
4. Trisetum spicatum 2 FAC											
5 Luzula nivalis 1 FAC Plot size (radius, or length x width) 10m	-										
6. Festuca brevissima 1 UPL % Cover of Wetland Bryophytes (Where applicable) 1	-										
7. Hedysarum alpinum 1 FACU % Bare Ground 30											
8. Anthoxanthum monticola ssp. alpinum 2 UPL Total Cover of Bryophytes 15											
	_										
10 0 Hydrophytic											
Total Cover: 13 Vegetation											
50% of Total Cover: <u>6.5</u> 20% of Total Cover: <u>2.6</u> Present? Yes No •											

Remarks: 50% lichen cover. trace anemone sp, campanula lasiocarpa, bisoff. Fesovi = festuca brevissimahedalp small fuzzy legume. Eriacr unidentified erigeron.

		he depth ne latrix	eded to docu	ment the indicator or cor Rec	nfirm the ab		cators)			
Depth (inches)			%	Color (moist) Type ¹		Loc 2	Texture	Remarks		
0-1						.,,,,,		Fibric Organics		
1-10		3/3	50					Loam	50% angular gravels and cobbles. refusal a	
	7.JIK				-					
	· ·									
	·							-		
1										
Type: C=Cond	centration. D=	Depletion.	RM=Reduc	ed Matrix ² Location		-		innel. M=Matrix		
Hydric Soil Indicators: Indicators for Problematic Hydric Soils: ³										
Histosol or Histel (A1)						4) 4] Alaska Gleyed Without H	lue 5Y or Redder	
Histic Epipedon (A2)								Underlying Layer		
Hydrogen S	ulfide (A4)			Alaska Redox V	Vith 2.5Y I	lue		Other (Explain in Remar	ks)	
Thick Dark	Surface (A12)			30						
 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 Rede	ox (A14)					•				
Alaska Gleyed Pores (A15) ⁴ Give details of color change in Remarks										
Restrictive Layer	(if present):									
, Type:	,							Hydric Soil Present	:? Yes 🔿 No 🖲	
Depth (inche	es):									
Remarks:										
no hydric soil indicators										
,										
HYDROLOG										
Wetland Hydro								Secondary Indicators (two or more are required)		
Primary Indicate						ined Leaves (B9)				
_	Surface Water (A1)				Inundation Visible on Aerial Imagery (B7)				Patterns (B10)	
	ater Table (A2) Sparsely Vegetated Concave Surface (B8)						ice (B8)		Rhizospheres along Living Roots (C3)	
Saturation	. ,			Marl Deposits	. ,	(01)			of Reduced Iron (C4)	
Water Marl				Hydrogen Su				Salt Depos		
	ht Deposits (B2) Dry-Season Water Table (C2) posits (B3) Other (Explain in Remarks)							_	r Stressed Plants (D1) nic Position (D2)	
	r Crust (B4)				n in Rema	irks)			quitard (D3)	
									graphic Relief (D4)	
· - ·	I Cracks (B6)								al Test (D5)	
Field Observat	• •									
Surface Water		Yes 〇	No 🖲	Depth (inche	c).					
		-	No 🖲				Mette	nd Uvdrology Drocor	nt? Yes 🔿 No 🖲	
Water Table Pr		_	_	Depth (inche	s):		wetia	nd Hydrology Preser	iur tes 💛 No 👻	
Saturation Pres (includes capill	ent? ary fringe)	Yes 🔾	No 🖲	Depth (inche	s):					
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:										
Demand										
Remarks:	alaan 1921 - S									
no wetland hydr	ology indicato	rs								