## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority  nvestigator(s): BAB  Local relief (concave, convex, none): convex  Subregion: Interior Alaska Mountains  Local Map Unit Name:			side, terrac	e, hummocks etc.): Sw13_T177_02  Channel (active)
nvestigator(s): BAB  Local relief (concave, convex, none): convex  Subregion : Interior Alaska Mountains			ide, terrac	e. hummocks etc.): Channel (active)
Local relief (concave, convex, none): convex  Subregion : Interior Alaska Mountains				
Subregion : Interior Alaska Mountains L		Slope: 7.0		° Elevation: 1062
	at: 63	3.076861985		Long.: -148.068787325 Datum: WGS84
on Map One Name.		3.07 000 1000		NWI classification: R3UBH
Are climatic/hydrologic conditions on the site typical for this time of	fvoor	Voc	● No ○	
Are Vegetation , Soil , or Hydrology signif Are Vegetation , Soil , or Hydrology natural natural summary OF FINDINGS - Attach site map showing	icantly o	disturbed? blematic?	Are "N (If nee	ormal Circumstances" present? Yes  No O
Hydrophytic Vegetation Present? Yes  No		le f	he Sam	pled Area
Hydric Soil Present? Yes   No   No			thin a W	-
Wetland Hydrology Present? Yes ● No ○		WI	iiiii a vv	etialiu!
Remarks: shallow [<10 in] stream with many stones and bould  /EGETATION - Use scientific names of plants. List al				
	olute	Dominant		Dominance Test worksheet:
Tree Stratum 1.	Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC:
				Total Number of Dominant
2	0 0			Species Across All Strata: 2 (B)
	0			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
5.				
Total Cover:	0			Prevalence Index worksheet:  Total % Cover of: Multiply by:
Sapling/Shrub Stratum 50% of Total Cover: 0		f Total Cover:	0	OBL Species 1 x1 = 1
	-			FACW Species $0 \times 2 = 0$
1				FAC Species 1 x 3 = 3
2. 3.				FACU Species 0 x 4 = 0
				UPL Species 0 x 5 = 0
4.         5.				
				Column Totals: 2 (A) 4 (B)
7	0			Prevalence Index = B/A =
8.	0			Hydrophytic Vegetation Indicators:
9.	0			✓ Dominance Test is > 50%
10.	0			✓ Prevalence Index is ≤3.0
Total Cover:  Herb Stratum 50% of Total Cover: 0	0 20% c	of Total Cover:	0	✓ Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
1. Rumex arcticus	_1	✓	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
2. Carex aquatilis	1	<b>✓</b>	OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
3	0			be present, unless disturbed or problematic.
4				Plot size (radius, or length x width)
5	0			% Cover of Wetland Bryophytes
6				(Where applicable)
7				% Bare Ground
8	0			Total Cover of Bryophytes 5
9				
Total Cover:				Hydrophytic Vegetation
50% of Total Cover: 1		f Total Cover:	0.4	Present? Yes   No

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW13\_T177\_02 Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) **Redox Features** Depth <u>Loc</u> 2 (inches) Color (moist) Color (moist) Type <sup>1</sup> <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix <sup>2</sup> Location: PL=Pore Lining, RC=Root Channel, M=Matrix Indicators for Problematic Hydric Soils:3 **Hydric Soil Indicators:** Histosol or Histel (A1) Alaska Color Change (TA4) ☐ Alaska Gleyed Without Hue 5Y or Redder Underlying Layer Alaska Alpine swales (TA5) Histic Epipedon (A2) Alaska Redox With 2.5Y Hue ✓ Other (Explain in Remarks) Hydrogen Sulfide (A4) Thick Dark Surface (A12) <sup>3</sup> One indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, Alaska Gleved (A13) and an appropriate landscape position must be present Alaska Redox (A14) <sup>4</sup> Give details of color change in Remarks Alaska Gleyed Pores (A15) Restrictive Layer (if present): Yes ● No ○ Type: **Hydric Soil Present?** Depth (inches): Remarks: active channel, assume hydric soil **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (two or more are required) Primary Indicators (any one is sufficient) Water Stained Leaves (B9) ✓ Surface Water (A1) ✓ Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) High Water Table (A2) Oxidized Rhizospheres along Living Roots (C3) ✓ Sparsely Vegetated Concave Surface (B8) Saturation (A3) Presence of Reduced Iron (C4) Marl Deposits (B15) Water Marks (B1) Salt Deposits (C5) ☐ Hydrogen Sulfide Odor (C1) ☐ Stunted or Stressed Plants (D1) Sediment Deposits (B2) Dry-Season Water Table (C2) Drift Deposits (B3) Other (Explain in Remarks) Geomorphic Position (D2) Algal Mat or Crust (B4) Shallow Aquitard (D3) Iron Deposits (B5) Microtopographic Relief (D4) Surface Soil Cracks (B6) ✓ FAC-neutral Test (D5) Field Observations: Yes ● No ○ Surface Water Present? Depth (inches): 10 Yes O No • Yes ● No ○ Water Table Present? Wetland Hydrology Present? Depth (inches): Saturation Present? Yes ○ No ● Depth (inches): (includes capillary fringe)

U.S. Army Corps of Engineers

Alaska Version 2.0

Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:

Remarks: