WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Investigator(s): SLI, SCB	Landform (hills	••••	Sampling Point: SW15_T209_06
Investigator(s): SLI, SCB	Landform (hills		
	Landioini (iiiii	side, terrace	e, hummocks etc.): Channel (active)
Local relief (concave, convex, none): concave	Slope: 8.7	% / 5.0	° Elevation:
Subregion : Interior Alaska Mountains Lat.:			Long.: Datum: WGS84
Soil Map Unit Name:			NWI classification: R3UBH
Are climatic/hydrologic conditions on the site typical for this time of year'	? Yes	No ○	(If no, explain in Remarks.)
	y disturbed?		ormal Circumstances" present? Yes No
Are Vegetation ✓ , Soil ✓ , or Hydrology □ naturally pr			ded, explain any answers in Remarks.)
		•	
SUMMARY OF FINDINGS - Attach site map showing sam	npling point	locations	, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No		41 0	ulad Ausa
Hydric Soil Present? Yes ● No ○			pled Area etland? Yes ◉ No ◯
Wetland Hydrology Present? Yes ● No ○	WI	thin a W	etiand? Tes © NO C
Remarks: 2 channels flow together, combined channel flows below gro confluence. channel approx 6 ft wide, total depth 1 ft, water cobbles. as we walked downstream, discovered several additional company of the company	r depth 6 in. ui itional small ch	ndercut bar annels feed	nks, woody debris, pools and steps. bottom gravel and
VEGETATION - Use scientific names of plants. List all spe	ecies in the l	piot.	
Absolute	Dominant		Dominance Test worksheet:
Tree Stratum % Cover 1.	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC:0(A)
		-	Total Number of Dominant
3			Species Across All Strata:0 (B)
			Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
5.			
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 0 x 1 = 0
1.			FACW Species 0 x 2 = 0
			FAC Species 0 x 3 = 0
2. 3.	П		FACU Species 0 x 4 = 0
4.			UPL Species 0 x 5 = 0
5.			Column Totals: 0 (A) 0 (B)
6.			
7.			Prevalence Index = B/A =
8			Hydrophytic Vegetation Indicators:
9			☐ Dominance Test is > 50%
10			Prevalence Index is ≤3.0
Total Cover: 0 Herb Stratum 50% of Total Cover: 0 20%	6 of Total Cover	0	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
1			✓ Problematic Hydrophytic Vegetation (Explain)
2			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3			be present, unless disturbed of problematic.
4			Plot size (radius, or length x width) <u>1x5m</u>
·			% Cover of Wetland Bryophytes
0			(Where applicable)
7. 8. <u>0</u>			% Bare Ground Total Cover of Bryophytes
90			Total Cover of Dryophytes
100			Hydrophytic
Total Cover: 0			Vegetation
50% of Total Cover: 0 20%	of Total Cover:	0	Present? Yes No

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW15_T209_06 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 ¹ ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix ² Location: PL=Pore Lining, RC=Root Channel, M=Matrix Indicators for Problematic Hydric Soils: **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) ³ 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) ⁴ 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, hydric soils assumed **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (two or more are required) Primary Indicators (any one is sufficient) Water Stained Leaves (B9) ✓ Surface Water (A1) Drainage Patterns (B10) ☐ Inundation Visible on Aerial Imagery (B7) 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) Sediment Deposits (B2) Dry-Season Water Table (C2) Stunted or Stressed Plants (D1) 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): 6 Yes O No • Yes ● No ○ Water Table Present? Wetland Hydrology Present? Depth (inches): Saturation Present? Yes ○ No ● Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:

U.S. Army Corps of Engineers Alaska Version 2.0

Remarks: active channel