WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Investigator(s): SLI, SCB Local relief (concave, convex, none): concave Subregion: Interior Alaska Mountains		andform (hills		Sampling Point: SW15_T338_02
Investigator(s): SLI, SCB Local relief (concave, convex, none): concave		andform (hills		
Local relief (concave, convex, none):concave			side, terrac	ce, hummocks etc.): Channel (active)
				O ° Elevation:
	at.:			Long.: Datum: WGS84
Soil Map Unit Name:	_			NWI classification: R3UBH
Are climatic/hydrologic conditions on the site typical for this time of	Fyoar?	Vac	• No O	
		disturbed?		Normal Circumstances" present? Yes No No
		blematic?		eded, explain any answers in Remarks.)
			`	,
SUMMARY OF FINDINGS - Attach site map showing	sam	pling point	locations	s, transects, important features, etc.
Hydrophytic Vegetation Present? Yes ● No ○		_		
Hydric Soil Present? Yes ● No ○				npled Area /etland? Yes ◉ No ◯
Wetland Hydrology Present? Yes ● No ○		wi	thin a W	/etland? Yes ● No ○
Remarks: small tributary to Brushkana Creek, 2-3 ft wide, total d	epth a	pprox 2.5 ft,	water dept	th 1.5 ft, mostly glide. bottom gravel to cobbles.
overhanging willows, banks undercut, appears well cor	necte	d to floodplair	n (describe	d in plot T338-03).
VEGETATION - Use scientific names of plants. List al	l spec	cies in the I	olot.	
				Dominance Test worksheet:
	olute Cover	Dominant Species?	Status	Number of Dominant Species
1.				That are OBL, FACW, or FAC: 0 (A)
2.				Total Number of Dominant Species Across All Strata: 0 (B)
3.				Percent of dominant Species
4.				That Are OBL, FACW, or FAC: 0.0% (A/B)
5.				Prevalence Index worksheet:
Total Cover:	0			Total % Cover of: Multiply by:
Sapling/Shrub Stratum 50% of Total Cover: 0	20% (of Total Cover:	0	OBL Species $0 \times 1 = 0$
1				FACW Species 0 x 2 = 0
2.				FAC Species0 x 3 =0
3.				FACU Species0 x 4 =0
4.				UPL Species <u>0</u> x 5 = <u>0</u>
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: Herb Stratum	_0 _ 20%	of Total Cover:	0	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
1	0			Problematic Hydrophytic Vegetation (Explain)
2	0			¹ Indicators of hydric soil and wetland hydrology must
3	0			be present, unless disturbed or problematic.
4	0			Plot size (radius, or length x width) <u>1x5m</u>
5	0			% Cover of Wetland Bryophytes
6	0			(Where applicable)
7	0			% Bare Ground
8	0			Total Cover of Bryophytes
9	0			Undrambatia
Total Cover:	0	_		Hydrophytic Vegetation
50% of Total Cover:0		of Total Cover:	0	Present? Yes No

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SOIL Sampling Point: SW15_T338_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 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, 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) 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): 32 Yes O No • Yes ● No ○ Water Table Present? Wetland Hydrology Present? Depth (inches): Saturation Present? Yes ○ No ● Depth (inches): (includes capillary fringe)

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

Remarks: