## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority  Investigator(s): WAD, RWM  Landform (hillside, terrace, hummocks etc.): Channel (active)  Local relief (concave, convex, none):  Slope: 17.6 % / 10.0 ° Elevation: 1380  Subregion: Interior Alaska Mountains  Lat.: 63.116  Long.: -148.09823  Datum: WGS6  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 significantly disturbed? Are "Normal Circumstances" present? Yes No No (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	
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the decade the Manufallian Decade ID.   Mod left   No. 1	
Is the Sampled Area	
Hydric Soil Present? Tes No Within a Watland? Yes No No	
Wetland Hydrology Present? Yes   No   Within a Wetland?	
Remarks: subalpine stream originating at a spring upslope. entire slope is a series of terraces. springs and seeps common.  VEGETATION - Use scientific names of plants. List all species in the plot.  Absolute Dominant Indicator Species? Status Dominant Species	
0   1	(A)
2. Total Number of Dominant Species Across All Strata: 0 (B	(B)
3 Percent of dominant Species	
	(A/B)
5 O Prevalence Index worksheet:	
Total Cover: 0 Total % Cover of: Multiply by:	
Sapling/Shrub Stratum 50% of Total Cover: 0 OBL Species 0 x 1 = 0	
1 FACW Species x 2 = 0	
2	
3 FACU Species x 4 =	
4. UPL Species 0 x 5 = 0	
5	(B)
6.	
7	
8 Hydrophytic Vegetation Indicators:	
9 Dominance Test is > 50%	
10 0	
Total Cover: 0 Morphological Adaptations (Provide supporting data Remarks or on a separate sheet)	ta in
1 0	
2 1 Indicators of hydric soil and wetland hydrology must	
3 be present, unless disturbed or problematic.	
4	
5 % Cover of Wetland Bryophytes	
6 (Where applicable)	
7	
8 O	
10 O Hydrophytic  Total Cover: 0 Vegetation	
50% of Total Cover: 0 20% of Total Cover: 0 Present? Yes No	

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SOIL Sampling Point: SW13\_T162\_09 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: **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) 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): 2 Yes O No • Yes ● No ○ Water Table Present? Wetland Hydrology Present? Depth (inches):

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Depth (inches):

Saturation Present?

Remarks:

(includes capillary fringe)

stream is approx 1ft wide, single channel.

Yes ○ No ●

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