WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority			a-Susitna Borough Sampling Date: 24-Aug-15
			Sampling Point: SW15_T343_06
nvestigator(s): ERT, TXC	Landform (hil	lside, terrac	e, hummocks etc.): Drainage
Local relief (concave, convex, none): convex			° 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 ye Are Vegetation , Soil , or Hydrology significal Are Vegetation , Soil , or Hydrology naturally summary OF FINDINGS - Attach site map showing sat	ntly disturbed? problematic?	Are "N (If nee	ormal Circumstances" present? Yes ● No ○ ded, explain any answers in Remarks.)
Hydrophytic Vegetation Present? Yes No	le	the Sam	pled Area
Hydric Soil Present? Yes No		ithin a W	
Wetland Hydrology Present? Yes ● No ○			otturia :
Remarks: Plot for R3UBH, low willow (salric, salpul, salala) surrounce Adjacent community is white spruce woodland. VEGETATION -Use scientific names of plants. List all spruces.	-		
Absolu	te Dominant	Indicator	Dominance Test worksheet:
Tree Stratum % Cov	er Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: (A)
1	_		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:			Total % Cover of: Multiply by:
Sapling/Shrub Stratum 50% of Total Cover: 0 20	0% of Total Cover	:0	OBL Species
10			FACW Species 0 x 2 = 0
20			FAC Species0 x 3 =0
30			FACU Species x 4 =0
40	_ 🖳		UPL Species x 5 =0
50	_		Column Totals:0 (A)0 (B)
60	_ 🖳		Prevalence Index = B/A = 3.000
70	_		
80	_		Hydrophytic Vegetation Indicators:
9	_ =		☐ Dominance Test is > 50%
10			Prevalence Index is ≤3.0
Total Cover:0 Herb Stratum 50% of Total Cover:02		r: <u>0</u>	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
10			Problematic Hydrophytic Vegetation (Explain)
2	_ =		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3	_ =		be present, unless disturbed or problematic.
40	_ =	-	Plot size (radius, or length x width) <u>2x10m</u>
J	_ =		% Cover of Wetland Bryophytes
0	- =		(Where applicable)
7. <u>0</u> 8. <u>0</u>	_ =		% Bare Ground
9. 0			Total Cover of Bryophytes
10			Hydrophytic
Total Cover: 0	_		Vegetation
	 0% of Total Cover	:0	Present? Yes No

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW15_T343_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, 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): 12 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:

water depth estimated 12+ inches