WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority
Investigator(s): SLI, ATH
Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 ° Elevation: Subregion: Interior Alaska Mountains Lat.: Long.: Datum: WGS8 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 Are Vegetation , Soil , or Hydrology naturally problematic? Are Vegetation , Soil , or Hydrology naturally problematic? (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 Wetland Hydrology Present? Yes No Within a Wetland? Yes No Wetland Hydrology Present? Yes No No Within a Wetland? Yes No Would around. Bank height ratio is Remarks: R2UBH flowing out of small pond. Very soft substrates, seems like a floating mat at the edge of channel with many H2S bubbles coming up you walk around. Bank height ratio is Remarks: R2UBH flowing out of small pond. Very soft substrates, seems like a floating mat at the edge of channel with many H2S bubbles coming up you walk around. Bank height ratio is Remarks: R2UBH flowing out of small pond. Very soft substrates, seems like a floating mat at the edge of channel with many H2S bubbles coming up you walk around. Bank height ratio is Remarks: R2UBH flowing out of small pond. Very soft substrates, seems like a floating mat at the edge of channel with many H2S bubbles coming up you walk around. Bank height ratio is Remarks: R2UBH flowing out of small pond. Very soft substrates, seems like a floating mat at the edge of channel with many H2S bubbles coming up you walk around. Bank height ratio is Remarks: R2UBH flowing out of small pond. Very soft substrates, seems like a floating mat at the edge of channel with many H2S bubbles coming up you walk around. Bank height ratio is Remarks: R2UBH flowing out of small pond. Very s
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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 Are Vegetation , Soil , or Hydrology naturally problematic? (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 Sutland Hydrology P
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Hydric Soil Present? Wetland Hydrology Present? Yes No No Remarks: R2UBH flowing out of small pond. Very soft substrates, seems like a floating mat at the edge of channel with many H2S bubbles coming up you walk around. Bank height ratio is = 1, well connected to floodplain. Continuous water surface from flood plain to channel. No overhanging veg, undercut banks, or large woody debris, but floodplain would provide abundant fish cover. VEGETATION - Use scientific names of plants. List all species in the plot. Absolute Yes No No No Dominant Species Tree Stratum 1. O Dominant Species That are OBL, FACW, or FAC: Total Number of Dominant Total Number of Dominant Total Number of Dominant</td
Wetland Hydrology Present? Wetland Hydrology Present? Yes No Within a Wetland? Wes No No No Within a Wetland? Wes No No No No Within a Wetland? Wes No No No No No No Within a Wetland? Wes No
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VEGETATION - Use scientific names of plants. List all species in the plot. Absolute
Absolute % Cover Species? Indicator Status 1. 0 Dominant Species That are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species That are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
Absolute Dominant Indicator Species? Status 1
Tree Stratum 1.
1
1 Otal Number of Dominant
2
3. Percent of dominant Species
4 That Are OBL, FACW, or FAC:
5 O 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 5.1 x 1 = 5.1
1 0
2.
3 FACU Species x 4 = 0
4. UPL Species 0 x 5 = 0
5
6 0
7. Prevalence Index = B/A = 1.000
8 Hydrophytic Vegetation Indicators:
9
10 0
Total Cover: 0 Morphological Adaptations (Provide supporting data Herb Stratum 50% of Total Cover: 0 Remarks or on a separate sheet)
4 Corey equatilia
2. Eriophorum angustifolium 2 OBL 1 Indicators of hydric soil and wetland hydrology must
3. Utricularia minor 0.1 OBL be present, unless disturbed or problematic.
7 Piot size (radius, or length x width) 2x10m
6 % Cover of Wetland Bryophytes (Where applicable)
7
8 Total Cover of Bryophytes
9
10 O Hydrophytic
Total Cover: 5.1 Vegetation 50% of Total Cover: 2.55 20% of Total Cover: 1.02 Present? Yes • No •
50% of Total Cover: 2.55 20% of Total Cover: 1.02 Present? Yes • No •

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SOIL

Profile Description: (Descripte to the depth peeded to document the indicator or confirm the absence of indicators)

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) Matrix Redox Features							ators)			
Depth (inches)							. 2	Texture	Remarks	
(iliciles)	Color (moi	<u>;t)</u>	<u>%</u> (Color (moist)	<u>%</u>	Type ¹	_ Loc _2	rexture	Remarks	
			— —					-		
		———						-		
¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix ² Location: PL=Pore Lining. RC=Root Channel. M=Matrix										
Hydric Soil I	ndicators:		I	Indicators for Pr		4	oils:³			
Histosol or Histel (A1)			Ĺ	Alaska Color Change (TA4) Alaska Gleyed Without Hue 5Y or Redder					ue 5Y or Redder	
Histic Epipedon (A2)				Alaska Alpine swales (TA5) Underlying Layer						
✓ Hydrogen	Sulfide (A4)			Alaska Redox With 2.5Y Hue Uther (Explain in Remarks)						
☐ Thick Dark	Surface (A12)			2.5						
Alaska Gleyed (A13) 3 One indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, and an appropriate landscape position must be present										
Alaska Red	Alaska Redox (A14)									
Alaska Gleyed Pores (A15) 4 Give details of color change in Remarks										
Restrictive Laye	er (if present):									
Туре:								Hydric Soil Present	? Yes 💿 No 🔾	
Depth (inch	nes):									
Remarks:										
HYDROLOGY										
1	rology Indicat	ors:						Secondary Indi	cators (two or more are required)	
Primary Indica	tors (any one is	sufficient)						Water Stained Leaves (B9)		
✓ Surface Water (A1)				✓ Inundation Visible on Aerial Imagery (B7)				☐ Drainage Patterns (B10)		
High Water Table (A2)				Sparsely Vegetated Concave Surface (B8)				Oxidized R	hizospheres along Living Roots (C3)	
☐ Saturation	n (A3)			Marl Deposits (B15)				Presence of	of Reduced Iron (C4)	
☐ Water Marks (B1) ✓ Hydrogen Sulfide Odor (C1)							☐ Salt Depos	its (C5)		
Sediment Deposits (B2) Dry-Season Water Table (C2)							Stunted or	Stressed Plants (D1)		
☐ Drift Depo	osits (B3)			Other (Expla	in in Rema	rks)		✓ Geomorph	ic Position (D2)	
Algal Mat	or Crust (B4)							Shallow Ac	juitard (D3)	
☐ Iron Depo	osits (B5)							Microtopog	graphic Relief (D4)	
Surface S	oil Cracks (B6)							✓ FAC-neutra	l Test (D5)	
Field Observa	ations:									
Surface Water	r Present?	Yes 💿	No \bigcirc	Depth (inche	es): 18					
Water Table P	Present?	Yes 🔾	No 💿	Depth (inche	ec).		Wetlar	nd Hydrology Presen	t? Yes • No O	
Saturation Pre					,			,		
(includes capi		Yes O	No 🔍	Depth (inche	es):					
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:										
D										
Remarks:										
Bed visible, est. depth. Channel width variable. See soil notes regarding H2S. D2-active channel.										

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