WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Investigator(s): SLI, KMK Local relief (concave, convex, none): convex Slope: 46.6 % / 25.0 ° Elevation: 690 Subregion: Interior Alaska Mountains Lat.: 62.792531578 Long.: -148.016184978 Datum: WGS84 Soil Map Unit Name: Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation , Soil , or Hydrology significantly disturbed? Are Vegetation , Soil , or Hydrology naturally problematic? Hydrophytic Vegetation Present? Hydrophytic Vegetation Present? Yes No Hydrology present? Yes No Hydrology present? Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present?
Investigator(s): SLI, KMK
Local relief (concave, convex, none): convex Slope: 46.6 % / 25.0 ° Elevation: 690 Subregion: Interior Alaska Mountains Lat.: 62.792531578 Long.: -148.016184978 Datum: WGS84 Soil Map Unit Name: NWI classification: Upland 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 Hydrology No Within a Wetland? Yes No Within a Wetland? Yes No Within a Wetland? Yes No Wetland?
Subregion: Interior Alaska Mountains Lat.: 62.792531578 Long.: -148.016184978 Datum: WGS84 Soil Map Unit Name: Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
Soil Map Unit Name: Are climatic/hydrologic conditions on the site typical for this time of year? 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 Hydrology Is the Sampled Area Within a Wetland? Yes No Wetland? Yes No Wetland?
Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No 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 Hydric Soil Present? Yes No Is the Sampled Area within a Wetland? Yes No Yes Yes No Yes Yes Yes Yes No Yes Yes No Yes Yes Yes Yes Yes Yes No Yes Ye
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 Hydric Soil Present? Yes No Within a Wetland? Yes No Within a Wetland?
Hydric Soil Present? Yes No Is the Sampled Area within a Wetland? Yes No No Ves
within a Wetland? Yes ○ No •
Wetland Hydrology Present? Yes / No 🔍
Westerna Tryanology Frederit: 100 C 110 C
VEGETATION - Use scientific names of plants. List all species in the plot. Absolute Dominant Indicator Species? Status Tree Stratum Ominant Species Status Number of Dominant Species
That are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant
2. Picea glauca 10 FACU Species Across All Strata: 7 (B) 3. Percent of deminant Species
Percent of dominant Species
Prevalence Index worksheet:
Service (Should Streeture 50% of Total Covery 32 70% of Total Covery
1. Ticca gladica
2. Eduling godinarioum
Vaccinati digitocati
5 December 1 to 1
Column rotats. 147 (A) 317 (E
7. Linnaea borealis 2
8. Salix commutata 1 FAC Hydrophytic Vegetation Indicators:
9
10.
Total Cover: 80 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1. Cornus canadensis 15 🗹 FACU 🗌 Problematic Hydrophytic Vegetation ¹ (Explain)
2. Geocaulon lividum 5 FACU ¹ Indicators of hydric soil and wetland hydrology must
3. Selaginella selaginoides 0.1 FACU be present, unless disturbed or problematic.
4. Chamerion angustifolium 1 FACU Plot size (radius, or length x width) 10m
5. Mertensia paniculata 1 FACU 6 Cover of Wetland Bryophytes 0
6 (Where applicable)
7
8 Total Cover of Bryophytes
10. Hydrophytic
Total Cover: 22.1 Vegetation 50% of Total Cover: 11.05 20% of Total Cover: 4.42 Present? Yes No •
Remarks: trace chaang, trace Lycopodium complanatum

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW12_T41_08

Profile Descripti		the depth ne	eded to docun	nent the indicator or co	nfirm the abs		cators)			
Depth (inches)	Depth		% Color (moist)				_Loc ²	Texture	Remarks	
0-3	COIOI (IIIO	ISt)		Color (moist)		Туре	LUC	Hemic Organics	Nome. 13	
3-5		5/2						Silt Loam	likely ash with charcoal	
			100					-		
5-10	10YR	4/6	100		- ——			Sandy Loam	some subangular cobbles	
10-18	2.5Y							Sandy Loam	some subangular cobbles	
					-					
-					-		-			
¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix ² Location: PL=Pore Lining. RC=Root Channel. M=Matrix										
Hydric Soil Indicators: Indicators for Problematic Hydric Soils.										
Histosol or	r Histel (A1)			Alaska Color Ch	Alaska Color Change (TA4) Alaska Gleyed Without Hue 5Y or Redder					
Histic Epip	edon (A2)			Alaska Alpine swales (TA5) Underlying Layer						
Hydrogen Sulfide (A4) Alaska Redox With 2.5Y Hue Other (Explain in Remarks)										
Thick Dark	Surface (A12))		3 One indicator of	hydrophyt	ic vegetatio	n one prin	nary indicator of wotland h	vydralogy	
Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) and an appropriate landscape position must be present										
Alaska Redox (A14)										
Alaska Gleyed Pores (A15) 4 Give details of color change in Remarks										
Restrictive Laye	er (if present):									
Type:								Hydric Soil Present	? Yes ○ No •	
Depth (inch	nes):									
HYDROLO	GY									
Wetland Hydi	rology Indica	tors:						Secondary Indi	cators (two or more are required)	
Primary Indica	tors (any one i	s sufficient)					Water Stai	ned Leaves (B9)	
Surface Water (A1)				Inundation Visible on Aerial Imagery (B7)				Drainage Patterns (B10)		
High Water Table (A2)				Sparsely Vegetated Concave Surface (B8)				Oxidized Rhizospheres along Living Roots (C3)		
Saturation	. ,			Marl Deposits (B15)				Presence of Reduced Iron (C4)		
Water Ma				Hydrogen Su				☐ Salt Depos		
Sediment		☐ Dry-Season V					Stressed Plants (D1)			
☐ Drift Depo				Other (Explai	n in Rema	rks)			ic Position (D2)	
Iron Depo	or Crust (B4)								juitard (D3) graphic Relief (D4)	
	oil Cracks (B6)								of aprilic Relief (D4)	
Field Observa									ii rest (D3)	
Surface Water		Yes 〇	No •	Depth (inche	·s):					
Water Table P			No 💿	, ,	•		Wetla	nd Hydrology Presen	t? Yes ○ No •	
Saturation Pre		_	_	Depth (inche	.S):		Weda	na riyarology r resen	L: 165 © 140 ©	
(includes capi		Yes ∪	No 💿	Depth (inche	:s):					
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:										
Remarks:										
no wetland hyd	drology indicate	ors								

U.S. Army Corps of Engineers Alaska Version 2.0