WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T24_08									
Investigator(s): SLI, LMF Landform (hillside, terrace, hummocks etc.): Plateau									
Lat: 62 6888779483 Lat: 6									
Subregion Copper River Basin Lat: 62 6688779483 Long: 147.402705841 Datum: NAD83									
Soil Map Unit Name: Are claratichydrologic conditions on the site typical for this time of year? Are Vegetation Soil On Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Are "Normal Circumstances" present? Yes No Are Vegetation Soil On 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 Is the Sampled Area within a Wetland? Yes No Hydrocology Present? Yes No No Is the Sampled Area within a Wetland? Yes No VEGETATION - Use scientific names of plants. List all species in the plot. VEGETATION - Use scientific names of plants. List all species in the plot. Tree Stratum									
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (iff no, explain in Remarks.) Are Vegetation									
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SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes ● No │ Is the Sampled Area within a Wetland? Yes ● No │ Wetland Hydrology Present? Yes ● No │ Is the Sampled Area within a Wetland? Yes ● No │ Wetland Hydrology Present? Yes ● No │ Is the Sampled Area within a Wetland? Yes ● No │ Wetland Hydrology Present? Yes ● No │ Is the Sampled Area within a Wetland? Yes ● No │ Wetland Hydrology Present? Yes ● No │ Is the plot. Tree Stratum									
Hydrophytic Vegetation Present? Yes No Solute Note No Solution a Wetland Present? Yes No Solution a Wetland? Yes No Solution Note Note No Solution a Wetland? Yes No Solution a Wetland? Yes No Solution a Wetland? Yes No Solution Note Note Note Note Note Note Note Note									
Hydric Soil Present? Yes ● No									
Wetland Hydrology Present? Yes ● No									
Wetland Hydrology Present? Yes									
VEGETATION - Use scientific names of plants. List all species in the plot. Tree Stratum Absolute % Cover 1. Dominant Species Plant are OBL, FACW, or FAC: Status Journal Cover: Subject Status Indicator Species Plant are OBL, FACW, or FAC: Status Journal Cover: Garden are All Strata: Subjected are All St									
Number of Dominant Species Number of Dom									
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Number of Dominant Species Number of Dom									
Number of Dominant Species Number of Dom									
Tree Stratum % Cover Species? Status Number of Dominant Species That are OBL, FACW, or FAC: 3 (A) 1. 0 □ □ Total Number of Dominant Species That are OBL, FACW, or FAC: 3 (A) 3. □									
Total Number of Dominant Species Across All Strata: 3 (B)									
2.									
3. 0									
4. 0 □ That Are OBL, FACW, or FAC: 100.0% (A/B) 5. 0 □ □ Prevalence Index worksheet: Total % Cover of: Multiply by: Sapling/Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0 OBL Species 48 x 1 = 48 1. Picea mariana 8 ✓ FACW FACW Species 28 x 2 = 56 2. Betula nana 30 ✓ FAC FAC Species 43 x 3 = 129 3. Vaccinium uliginosum 7 FACW FACW Species 0 x 4 = 0 4. Chamaedaphne calyculata 7 FACW UPL Species 0 x 5 = 0 5. Rhododendron groenlandicum 5 FAC Column Totals: 119 (A) 233 (B) 6. Salix pulchra 7 FACW OBL Prevalence Index = B/A = 1.958 1.958 8. 0 □ Dominance Test is > 50% 9. 0 □ Prevalence Index is ≤ 3.0									
Total Cover: Dapping/Shrub Stratum Total Cover: Dapping/Shrub Stratum Total Cover: Dapping/Shrub Stratum Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species 48 x 1 = 48 1. Picea mariana 8 ✓ FACW FACW FACW Species 28 x 2 = 56 FACW Species 28 x 3 = 129 FACW Species 43 x 3 = 129 FACW Species 43 x 3 = 129 FACW Species 0 x 4 = 0 UPL Species 0 x 4 = 0 UPL Species 0 x 5 = 0 U									
Sapling/Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0 Total % Cover of: Multiply by: 1. Picea mariana 8 ✓ FACW FACW Species 28 x 2 = 56 2. Betula nana 30 ✓ FAC FAC Species 43 x 3 = 129 3. Vaccinium uliginosum 7 FAC FACU Species 0 x 4 = 0 4. Chamaedaphne calyculata 7 FACW UPL Species 0 x 5 = 0 5. Rhododendron groenlandicum 5 FAC Column Totals: 119 (A) 233 (B) 6. Salix pulchra 7 FACW OBL Prevalence Index = B/A = 1.958 1.958 8. 0 0 Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50% 10. 0 Prevalence Index is ≤ 3.0 Prevalence Index is ≤ 3.0									
1. Picea mariana 8									
2. Betula nana 30									
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4. Chamaedaphne calyculata 7 FACW UPL Species 0 x 5 = 0 5. Rhododendron groenlandicum 5 FAC Column Totals: 119 (A) 233 (B) 6. Salix pulchra 7 FACW OBL Prevalence Index = B/A = 1.958 8. 0 0 Hydrophytic Vegetation Indicators: 9. 10. 0 Dominance Test is > 50% Index of the provided providing the providing to the providing									
5. Rhododendron groenlandicum 5 FAC Column Totals: 119 (A) 233 (B) 6. Salix pulchra 7 FACW OBL Prevalence Index = B/A = 1.958 8. 0 0 Hydrophytic Vegetation Indicators: 9. 0 0 Dominance Test is > 50% 10. 0 Prevalence Index is ≤ 3.0									
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7. Vaccinium oxycoccos 1									
9.									
10									
Tredicte floor is 250									
Total Cover: 65 Morphological Adaptations (Provide supporting data in									
Floring data in									
Herb Stratum 50% of Total Cover: 32.5 20% of Total Cover: 13 Remarks or on a separate sheet)									
1. Comarum palustre 5 OBL Problematic Hydrophytic Vegetation 1 (Explain)									
2. Equisetum palustre 3									
3. Rabas diamachious									
4. Eriophorum angustifolium 30									
% Cover of Wetland Bryophytes									
7. Corey aquatilis 10 ORI 10 O									
9. Coltho adjustic									
8. Cattna palustris Total Cover of Bryophytes									
Total Cover: 54 Vegetation									
50% of Total Cover: 27 20% of Total Cover: 10.8 Present? Yes • No •									
Remarks: 3% picmar trees recorded in shrub stratum, as tree stratum total % cover <5%									

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SOIL Sampling Point: SW12_T24_08

	•	he depth need	ded to docum	nent the indicator or co	onfirm the ab		cators)		
Depth Color (moist)				Color (moist)	1		Loc ²	Texture	Remarks
()	Color (mol	St)		Color (moist)		Туре	LOC	TOXCUTO	Remarks
			—— —						
					-				
			———				-		
			—— —				-		
¹Type: C=Cor	ncentration. D=	Depletion. F	₹M=Reduce	ed Matrix ² Location				nnel. M=Matrix	
Hydric Soil I	ndicators:			Indicators for Pr		4	oils:		
Histosol or	r Histel (A1)			Alaska Color Change (TA4) Alaska Gleyed Without					ue 5Y or Redder
Histic Epip	pedon (A2)			Alaska Alpine s	Alaska Alpine swales (TA5) Underlying Layer				
Hydrogen	Sulfide (A4)			Alaska Redox V	⟨ With 2.5Y Hue				
Thick Dark	k Surface (A12)			-					
Alaska Gle	eyed (A13)			³ One indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, and an appropriate landscape position must be present					
Alaska Red	dox (A14)						•	esent	
Alaska Gle	eyed Pores (A15)		⁴ Give details of co	olor change	e in Remarl	ks		
Restrictive Laye	er (if present):								
Type:								Hydric Soil Present	? Yes 💿 No 🔾
Depth (inch	nes):								
HYDROLO	GY								
Wetland Hyd	rology Indicat	ors:						_Secondary Indi	cators (two or more are required)
Primary Indica	ators (any one is	sufficient)						Water Stai	ned Leaves (B9)
✓ Surface Water (A1)				☐ Inundation Visible on Aerial Imagery (B7)				Drainage F	Patterns (B10)
High Water Table (A2)				Sparsely Vegetated Concave Surface (B8)				Oxidized R	hizospheres along Living Roots (C3)
Saturation (A3)				Marl Deposits (B15)				Presence o	f Reduced Iron (C4)
Water Ma	rks (B1)			Hydrogen Su	ılfide Odor	(C1)		Salt Depos	its (C5)
Sediment Deposits (B2)				Dry-Season \	Water Tabl	le (C2)			Stressed Plants (D1)
Drift Depo	osits (B3)			Other (Expla	in in Rema	arks)		Geomorph	ic Position (D2)
Algal Mat	☐ Algal Mat or Crust (B4)								juitard (D3)
Iron Depo	osits (B5)								graphic Relief (D4)
Surface S	ioil Cracks (B6)							✓ FAC-neutra	l Test (D5)
Field Observa	ations:								
Surface Water	r Present?	Yes 💿	No \bigcirc	Depth (inche	es): 3				
Water Table P	resent?	Yes \bigcirc	No 💿	Depth (inche	es):		Wetlar	nd Hydrology Presen	t? Yes 💿 No 🔾
Saturation Pre (includes capil		Yes \bigcirc	No •	Depth (inche	•				
-		ım gauge, n	nonitor well	l, aerial photos, pre	vious inspe	ection) if av	ailable:		
Remarks:									
	hhy hummocks	with caturat	tad sails ar	edominantly sedge	in shallow	water			
Scallered on all	JDy Hummours	Willi Saluru	eu sons, pr	addininantity seage	III SHahov	Water.			

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