## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority  Investigator(s): SLI, EAC  Local relief (concave, convex, none): convex  Slope: 5.0 % / 2.9 ° Elevation: 746  Subregion: Interior Alaska Mountains  Lat.: 63.384437084  Long.: -148.590752363  Datum: WG:  NWI classification: PSS1B  Are Vegetation
Investigator(s): SLI, EAC Landform (hillside, terrace, hummocks etc.): Swale  Local relief (concave, convex, none): convex Slope: 5.0 % / 2.9 ° Elevation: 746  Subregion: Interior Alaska Mountains Lat: 63.384437084 Long: -148.590752363 Datum: WG: NWI classification: PSS1B  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 aignificantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation , 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 Useland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Dominant Wetland? Yes No Wetland Hydrology Present? Yes No Dominant Succession the plot.  VEGETATION - Use scientific names of plants. List all species in the plot.  Absolute % Cover Species? Status FACU Total Number of Dominant Species That are OBL, FACW, or FAC: 4 Total Number of Dominant Species That are OBL, FACW, or FAC: 4 Total Number of Dominant Species That are OBL, FACW, or FAC: 4 Total Number of Dominant Species Total Number of D
Local relief (concave, convex, none): convex Slope: 5.0 % / 2.9 ° Elevation: 746  Subregion: Interior Alaska Mountains Lat.: 63.384437084 Long.: -148.590752363 Datum: WG: 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 Vetland Hydrology No Vetland Hydrology Present? Yes No Vetland Hydrology No Vetland Hydrology No Vetland Hydrology Present? Yes No Vetland Hydrology No Vet
Subregion: Interior Alaska Mountains  Lat.: 63.384437084  Long.: -148.590752363  Datum: WG:  NWI classification: PSS1B  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 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 No Useland Hydrology Present? Yes No Wetland Hydrology Present? Yes No No Wetland Hydrology Present? Yes No No Wetland? Yes No No Wetland? Yes No No Wetland? Yes No No Wetland? Yes No No No Wetland? Yes No
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 No No Wetland Hydrology Present? Yes No
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)  Are Vegetation Soil on thydrology isignificantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation on thydrology on a 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 No Wetland Hydrology Present? Yes No No Wetland Hydrology Present? Yes No No Wetland Hydrology Present? Yes No No No Wetland? Yes No No Wetland? Yes No
Are Vegetation  , Soil  , or Hydrology  significantly disturbed? Are "Normal Circumstances" present? Yes  no  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  within a Wetland? Yes  No  Wetland Hydrology Present? Yes  No  Wetland Hydrology Present? Yes  No  Wetland Hydrology Present? Yes  No  Within a Wetland? Yes  No  Wetland? Yes  No  Wetland? Yes  No  Wetland? Yes  No  No  No  No  No  No  No  No  No  N
Hydric Soil Present? Wetland Hydrology Present? Yes No No within a Wetland?  Remarks: wet finwws with slow understory, appears to be downslope end of drainage off hillside.  WEGETATION - Use scientific names of plants. List all species in the plot.    Absolute   Dominant   Indicator   Species?   Status
Remarks: wet finwws with slow understory, appears to be downslope end of drainage off hillside.  VEGETATION - Use scientific names of plants. List all species in the plot.  Tree Stratum  1. Picea glauca  7  V FACU  Total Number of Dominant Species That are OBL, FACW, or FAC:  4  Total Number of Dominant
VEGETATION - Use scientific names of plants. List all species in the plot.    Absolute   Dominant   Indicator   Species?   Status
1. Picea glauca  7  ✓ FACU  Total Number of Dominant
Total Number of Dominant
2. Picea mariana 3 V FACW   Species Agrees All Strate:
3
5. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Prevalence Index worksheet:
Santing (Should Street up 50% of Total Covery 5 20% of Total Covery 2
1. Salix reticulata  40  FAC  FACW Species 20  x 2 = 40  FAC Species 20  x 2 = 40
2. Salix barclayi
3. Salix pulchra       15       FACW       FACU Species       13       x 4 =       52         4. Vaccinium vitis-idaea       7       FAC       UPL Species       0       x 5 =       0
5 8: 1
5. Picea glauca 5 Column Totals: 156.1 (A) 461.3
6. Betula glandulosa 7. Empetrum nigrum 7. Empetrum
8. Vaccinium uliginosum  9. Vaccinium oxvcoccos  10.1  Hydrophytic Vegetation Indicators:  OBL  Dominance Test is > 50%
The state of the s
Herb Stratum  50% of Total Cover: 51.55 20% of Total Cover: 20.62  Remarks or on a separate sheet)  40. Problematic Hydrophytic Vegetation 1 (Explain)
O Patratina finiting
a Orthilia accumdo to the present, unless disturbed or problematic.
4 Bistorta vivipara 0.1 FAC
5 Rubus chamaemorus 0.1 Plot size (radius, or length x width) 10m
6. Arctagrostis latifolia 0.1 SACW (Where applicable)
7. Parnassia palustris 0.1 FACW % Bare Ground 5
8
9
10 Hydrophytic
Total Cover: 43.4 Vegetation
50% of Total Cover: 21.7 20% of Total Cover: 8.68 Present? Yes No

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW13\_T148\_07

Profile Descript	ion: (Describe to	the depth n	needed to docur	ment the indicator or co	nfirm the al	bsence of indic	ators)			
Depth		Matrix			dox Featı		-			
(inches)	Color (mo	ist)	<u>%</u>	Color (moist)	_%_	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-3	5YR	4/2	100			,		Fibric Organics		
3-14	7.5YR	3/1	100					Sapric Organics		
					-					
¹Type: C=Coi	ncentration. D=	Depletion	ı. RM=Reduc	ed Matrix <sup>2</sup> Location	n: PL=Po	re Lining. RC	=Root Cha	nnel. M=Matrix		
Hydric Soil I	ndicators:			Indicators for Pr	oblemat	ic Hydric So	oils:			
	r Histel (A1)			Alaska Color Cl		4		Alaska Gleyed Without Hu	e 5Y or Redder	
								Underlying Layer		
	Sulfide (A4)			Alaska Redox V	With 2.5Y	Hue		Other (Explain in Remarks	5)	
_ ' '	k Surface (A12)	1								
Alaska Gle				<sup>3</sup> One indicator of and an appropriat				nary indicator of wetland hy	drology,	
Alaska Red				and an appropria	ie länusca	pe position i	must be pre	esent		
Alaska Gle	eyed Pores (A15	5)		4 Give details of co	olor chanç	ge in Remark	(S			
Restrictive Laye	or (if precent):	<u> </u>								
								Hydric Soil Present?	Yes   No	
Type: acti Depth (incl	•							Hyuric Son Fresent:	res 🙂 No 🔾	
, ,	165). 10									
Remarks:										
Cobbles at 14 i	n.									
HYDROLO	GY		_		_	_				
Wetland Hyd	rology Indica	tors:						_Secondary Indica	ators (two or more are required)	
Primary Indica	ntors (any one i	s sufficier	nt)					Water Stained Leaves (B9)		
Surface V	Vater (A1)			☐ Inundation V	/isible on /	Aerial Image	ry (B7)	Drainage Pa	atterns (B10)	
						etated Concave Surface (B8) Oxidized Rhizospheres along Living Roots (C3)				
✓ Saturation	n (A3)			☐ Marl Deposits (B15)				Presence of	Reduced Iron (C4)	
☐ Water Ma	ırks (B1)			Hydrogen Su	. ,	r (C1)		Salt Deposit	:s (C5)	
	Deposits (B2)			Dry-Season \					Stressed Plants (D1)	
☐ Drift Depo	osits (B3)			Other (Expla				Geomorphic	Position (D2)	
	or Crust (B4)					,		✓ Shallow Aqu	uitard (D3)	
☐ Iron Depo								Microtopogr	raphic Relief (D4)	
Surface S	oil Cracks (B6)							FAC-neutral		
Field Observa	ations:				-					
Surface Wate	r Present?	Yes	○ No ●	Depth (inche	es):					
Water Table F		Yes (	No O	Depth (inche	,		Wetlar	nd Hydrology Present	:? Yes ● No ○	
Saturation Pre					,		•••••		100 - 110 -	
(includes capi		Yes 🕓	No O	Depth (inche	es): 4					
Describe Recor	ded Data (stre	am gauge	, monitor we	ll, aerial photos, pre	vious insp	ection) if ava	ailable:			
		-	•	,		-				
Remarks:			-			-				

U.S. Army Corps of Engineers Alaska Version 2.0