## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority  Investigator(s): CTS, AMD  Landform (hillside, terrace, hummocks etc.): Flat  Local relief (concave, convex, none): flat  Slope: 3.0 % / 1.7 ° Elevation: 740  Subregion: Interior Alaska Mountains  Lat.: 63.384207487  Long.: -148.630525351  Datum: WGS  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	03			
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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 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 Is the Sampled Area				
Hydric Soil Present? Yes No • within a Wetland? Yes No •				
Wetland Hydrology Present? Yes O No   Within a Wetland?	Within a Wetland:			
VEGETATION - Use scientific names of plants. List all species in the plot.  Absolute Dominant Indicator Dominance Test worksheet:				
Tree Stratum  We Cover Species? Status Number of Dominant Species That are OBL, FACW, or FAC: 5 (A)	<b>A</b> )			
1. Picea glauca 20 FACU Total Number of Dominant	•,			
2 0 Species Across All Strata: 8 (	3)			
3 Percent of dominant Species	\ (D)			
	VB)			
Prevalence Index worksheet:				
Service (Should Should be				
1. Betula nana 35 FAC FACW Species 15 x 2 = 30				
2. Empetrum nigrum 25				
S. Vaccinam digitiosam				
E Leddin declaration				
5. Vaccinium vitis-idaea 2	(B)			
Prevalence Index = B/A = 3.073				
9 Dominance Test is > 50%				
10 0				
Total Cover: 97	ı in			
1. Cornus canadensis 3 FACU Problematic Hydrophytic Vegetation (Explain)				
2. Festuca altaica 1 FAC 1 Indicators of hydric soil and wetland hydrology must				
3. Bistorta plumosa 1  ✓ FACU be present, unless disturbed or problematic.				
4. Carex bigelowii 1 FAC Plot size (radius, or length x width) 10m				
5. Anthoxanthum monticola ssp. alpinum 0.1 FACU % Cover of Wetland Bryophytes				
6 (Where applicable)				
7				
8 Total Cover of Bryophytes				
9				
10 O Hydrophytic				
Total Cover: 6.1 Vegetation  50% of Total Cover: 3.05 20% of Total Cover: 1.22 Present? Yes No	Vegetation Present? Yes ● No ○			
Remarks: Lichen = 50				

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SOIL Sampling Point: SW13\_T204\_03

S SI December	/Dil t				~ 451	-6:-4:-		· · -	10me: 5W15_1204_05		
Profile Descripti	on: (Describe to	the depth ne  Matrix	eded to docur	ment the indicator or co	nfirm the ab dox Featu		ators)				
Depth (inches)	Depth		——— — %	Color (moist)	w Type 1	_Loc_2	Texture	Remarks			
0-7	5YR	2.5/2	100					Sandy Loam			
7-12	10YR	4/3	100					Silt Loam			
12-14	10YR	4/2	100		-			Silt Loam			
14-20	2.5Y	4/2	100					Sandy Loam			
					-						
	-										
					-						
¹Type: C=Cor	ncentration. D	=Depletion.	. RM=Reduc	ed Matrix <sup>2</sup> Location	n: PL=Por	e Lining. RC	=Root Cha	nnel. M=Matrix			
Hydric Soil I	ndicators:	-		Indicators for Pr	oblemati	ic Hydric Sc	oils:				
Histosol or	Histel (A1)			Alaska Color Ch		4		Alaska Gleyed Without Hu	ue 5Y or Redder		
Histic Epip	edon (A2)				Alaska Alpine swales (1A5)				Underlying Layer		
	Sulfide (A4)			Alaska Redox V	Vith 2.5Y I	Hue		Other (Explain in Remarks	5)		
	Surface (A12	<u>?</u> )		<sup>3</sup> One indicator of	hvdrophv	tic vegetatio	n. one prim	nary indicator of wetland hy	vdrology.		
Alaska Gle				and an appropriat					/di 010g77		
Alaska Red	iox (A14) yed Pores (A1	15)		4 Give details of co	olor chang	je in Remark	S				
Restrictive Laye Type:	er (ir presenc)	:						Hydric Soil Present?	Yes ○ No •		
Depth (inch	nes):							nyunc son riesene:	ICS C NO C		
Remarks:	,										
no hydric soil in	dicators										
HYDROLO	GY										
Wetland Hydi		ators:						Secondary Indic	ators (two or more are required)		
Primary Indica		is sufficient	<u>()</u>					Water Stained Leaves (B9)			
Surface W				Inundation V	dation Visible on Aerial Imagery (B7)				atterns (B10)		
High Water Table (A2)				Sparsely Vegetated Concave Surface (B8)					nizospheres along Living Roots (C3)		
Saturation				Marl Deposits	, ,				Reduced Iron (C4)		
☐ Water Mai				Hydrogen Su				Salt Deposit			
	Deposits (B2)	)		☐ Dry-Season \					Stressed Plants (D1)		
☐ Drift Depo				U Other (Explai	n in Rema	irks)			c Position (D2)		
	or Crust (B4)							☐ Shallow Aqu			
Iron Depo	osits (B5) oil Cracks (B6	١						☐ Microtopogi	raphic Relief (D4)		
Field Observa		)						I AC IICuuui	Test (D3)		
Surface Water		Yes C	No •	Depth (inche	es):						
Water Table P	resent?		No ●	Depth (inche	•		Wetlar	nd Hydrology Present	t? Yes O No 💿		
Saturation Pre			No •		•			, , , , , , , , , , , , , , , , , , , ,			
(includes capil				Depth (inche							
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
Remarks:											
no wetland hydrology indicators											
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