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): concave Slope: 0.0 % / 0.0 ° Elevation: 737 Subregion: Interior Alaska Mountains Lat.: 63.385900736 Long.: -148.626242757 Datum: WGS8 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 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.	6									
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Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.)										
Hydrophytic Vegetation Present? Yes No In the Sampled Area										
Hydric Soil Present? Yes No Is the Sampled Area within a Wetland? Yes No No										
Wetland Hydrology Present? Yes No Within a Wetland?	within a Wetland? Yes ○ No ●									
Remarks:										
VEGETATION - Use scientific names of plants. List all species in the plot. Absolute Dominant Indicator Tree Stratum Species? Status Dominance Test worksheet: Number of Dominant Species										
1. That are OBL, FACW, or FAC: 3 (A)									
2. Total Number of Dominant Species Across All Strata: 3 (B)									
3										
4	B)									
5. Prevalence Index worksheet:										
Total Cover: 0 Total % Cover of: Multiply by:										
Sapling/Shrub Stratum 50% of Total Cover: 0 OBL Species 7 x 1 = 7										
1. Salix fuscescens 20 ✓ FACW Species 20 x 2 = 40										
2 Patula page 3 X3 = 9										
3.										
4. UPL Species 0 x 5 = 0										
5 Column Totals: (A) 60	(B)									
6.	. - <i>,</i>									
7										
8 O Hydrophytic Vegetation Indicators:										
9 0										
10 0										
Herb Stratum 50% of Total Cover: 11 20% of Total Cover: 4.4 Remarks or on a separate sheet)										
1. Carex Ioliacea 4 OBL Problematic Hydrophytic Vegetation ¹ (Explain)										
2. Carex rotundata OBL Indicators of hydric soil and wetland hydrology must										
3. Luzula multiflora 1 FACU be present, unless disturbed or problematic.										
4. Calamagrostis canadensis 1 FAC Plot size (radius, or length x width)										
5 % Cover of Wetland Bryophytes										
6 (Where applicable)										
7										
8 O Total Cover of Bryophytes35										
9										
Total Cover: Q Vegetation										
50% of Total Cover: 4.5 20% of Total Cover: 1.8 Present? Yes No										
Remarks: Lichen = 0										

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SOIL Sampling Point: SW13_T204_06

Profile Descript	ion: (Describe to t	he depth ne	eded to docu	ment the indicator or co	nfirm the al	sence of indica	ators)	-	10III. 51115_1204_00	
Depth		latrix			lox Feat					
(inches)	Color (moi	st)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-8	10YR	3/3	100					Sandy Loam		
8-10	2.5Y	4/2	100					Sandy Loam		
10-20		4/1	100					Sandy Loam		
								-		
¹ Type: C=Cor	ncentration. D=	Depletion	RM=Reduc	ced Matrix ² Location	n: PL=Por	e Lining. RC	=Root Cha	nnel. M=Matrix		
Hydric Soil Indicators: Indicators for Problematic Hydric Soils: ³										
Histosol or	☐ Histosol or Histel (A1) ☐ Alaska Color Change (TA4) ☐ Alaska Gleyed Without Hue 5Y or Redder									
Histic Epip	Histic Epipedon (A2)					5)		Underlying Layer		
Hydrogen	Sulfide (A4)			Alaska Redox V	Vith 2.5Y	Hue	Ш	Other (Explain in Remarks	5)	
☐ Thick Dark	k Surface (A12)			3.0	6 4 6				A. de	
Alaska Gle	eyed (A13)			and an appropriat				nary indicator of wetland hy esent	arology,	
Alaska Red	dox (A14)									
Alaska Gleyed Pores (A15) 4 Give details of color change in Remarks										
Restrictive Laye	er (if present):									
Type:								Hydric Soil Present?	Yes O No 💿	
Depth (inch	nes):									
Remarks:							•			
LIV/DDOL 0	-01/									
HYDROLO								0 1 7 "		
-	rology Indicat		٠١					Secondary Indicators (two or more are required) Water Stained Leaves (B9)		
	tors (any one is	Sumciem	.)				(DZ)			
Surface W				☐ Inundation V		_		_	atterns (B10) izospheres along Living Roots (C3)	
Saturation	er Table (A2)			Sparsely Veg		ncave Surfac	e (B8)		Reduced Iron (C4)	
Water Ma	. ,			Marl Deposits	` '	(C1)		Salt Deposit	` ,	
	Deposits (B2)			Hydrogen Su					S (C5) Stressed Plants (D1)	
Drift Depo	,			Dry-Season \				Geomorphic	` '	
	or Crust (B4)			U Other (Explai	n in kema	arks)		Shallow Aqu	` '	
Iron Depo									raphic Relief (D4)	
	oil Cracks (B6)							✓ FAC-neutral		
Field Observa								TAC ficular	1630 (123)	
Surface Water		Yes C	No •	Depth (inche	·s).					
Water Table F			No •		-		Wotlar	nd Hydrology Present	? Yes • No O	
Saturation Pre				Depth (inche	:s):		Wetiai	ia nyarology Present	r res 🙂 No 🖰	
(includes capi		Yes C	No 💿	Depth (inche	s):					
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:										
Remarks:										

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