## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority  Investigator(s): JGK  Local relief (concave, convex, none): concave  Slope: 99.9 % / 45.0 ° Elevation: 864  Subregion: Southcentral Alaska  Lat.: 62.7846899093  Long.: -149.522109965  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.	4								
Investigator(s): JGK Landform (hillside, terrace, hummocks etc.): Floodplain  Local relief (concave, convex, none): concave  Slope: 99.9 % / 45.0 ° Elevation: 864  Subregion: Southcentral Alaska  Lat.: 62.7846899093  Long.: -149.522109965  Datum: WGS8  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?  (If needed, explain any answers in Remarks.)									
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Hydrophytic Vegetation Present? Yes   No ○									
Is the Sampled Area	s the Sampled Area								
within a Wetland? Yes $\bigcirc$ No $\bigcirc$	within a Wetland? Yes ○ No ●								
Wetland Hydrology Present? Yes ○ No ●									
VEGETATION - Use scientific names of plants. List all species in the plot.  Absolute Dominant Indicator Species? Status  Tree Stratum  OCOVET Species? Status  Dominant Indicator Species That are OBL, FACW, or FAC: 3 (A)									
0	)								
2. Total Number of Dominant Species Across All Strata: 3 (B	)								
3 Percent of dominant Species									
	/B)								
5 O Prevalence Index worksheet:									
Total Cover: 0 Total % Cover of: Multiply by:									
Sapling/Shrub Stratum 50% of Total Cover: 0 OBL Species 0 x 1 = 0									
1. Salix glauca 10 ✓ FAC FACW Species 40 x 2 = 80									
2. Salix pulchra 40 FAC Species 48 x 3 = 144									
3									
4. UPL Species 0 x 5 = 0									
5	(B)								
6.									
7. Prevalence Index = B/A = <u>2.757</u>									
8 <u>0</u> Hydrophytic Vegetation Indicators:									
9 0									
10 0									
Total Cover:50_	in								
1. Geranium erianthum 5 FACU Problematic Hydrophytic Vegetation (Explain)									
2. Maianthemum racemosum ssp. racemosum 2									
3. Mertensia paniculata 5 FACU be present, unless disturbed or problematic.									
4. Chamerion angustifolium  2									
5. Heracleum maximum 2 FACU % Cover of Wetland Bryophytes 0									
6. Equisetum arvense Substituting Substituti									
7. Calamagrostis canadensis  30  FAC  8 Artemisia tilesii  1 FAC  Total Cover of Breenbytes									
Total cover of bryophytes 5									
On the state of th									
Total Cover: 53.1 Hydrophytic Vegetation	Hydrophytic Vegetation								
50% of Total Cover: 26.55 20% of Total Cover: 10.62 Present? Yes No									
Remarks: site is transition from open to closed tall willowtr salala drydil alncri									

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SOIL Sampling Point: SW12\_T19\_04

Profile Descripti			eded to doc	ument the indicator or co			ators)				
Depth (inches)	Matrix  Color (moist)		%	Color (moist)	ox Features		_Loc_2	Texture	Remarks		
0-2	Color (IIIO	<u>scy</u>	80	Color (moise)		1700	LUC	Fibric Organics	20% roots		
2-3			80					Hemic Organics	20% roots		
3-4			100					Sapric Organics	20 /0 10003		
4-7		4/1+	85					Loamy Sand	15% roots		
7-14	10YR	4/2	85					Loamy Sand	thin O layer at top semi angular gravel & c		
14+	101K	-7/Z						Eddiny Sund	Large 5-7 in diam cobbles (rounded)		
									Large 5-7 III diam cobbles (rounded)		
Type: C=Cor	ncentration. D=	Depletion	RM=Redu	uced Matrix <sup>2</sup> Location	n: PL=Por	re Lining. RC	=Root Cha	nnel. M=Matrix			
Hydric Soil Indicators: Indicators for Problematic Hydric Soils: <sup>3</sup>											
Histosol or Histel (A1)  Alaska Color Change (TA4)  Alaska Gleyed Without Hue								ue 5Y or Redder			
Histic Epip	Histic Epipedon (A2)				☐ Alaska Alpine swales (TA5)				Underlying Layer		
_ ' '	Sulfide (A4)			Alaska Redox V	Vith 2.5Y	Hue		Other (Explain in Remark	(8)		
	Surface (A12)			<sup>3</sup> One indicator of	hvdrophv	tic vegetatio	n, one prim	nary indicator of wetland h	nydrology,		
Alaska Gle				and an appropriat					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
☐ Alaska Redox (A14) ☐ Alaska Gleyed Pores (A15) ☐ Alaska Gleyed Pores (A15) ☐ Alaska Gleyed Pores (A15)											
	•	')									
Restrictive Laye	er (if present):										
Type:	200):							Hydric Soil Present	? Yes○ No •		
Depth (inch Remarks:	ies):										
<b>HYDROLO</b>	GY										
Wetland Hyd	rology Indica	tors:						Secondary Indi	cators (two or more are required)		
Primary Indica	tors (any one is	s sufficient	:)					Water Stained Leaves (B9)			
Surface W	/ater (A1)	Inundation Visible on Aerial Imagery (B7)				Drainage Patterns (B10)					
	er Table (A2)	Sparsely Vegetated Concave Surface (B8)				Oxidized Rhizospheres along Living Roots (C3)					
Saturation	-	Marl Deposits (B15)					of Reduced Iron (C4)				
☐ Water Ma		Hydrogen Sulfide Odor (C1)						☐ Salt Depos			
	Deposits (B2)			☐ Dry-Season \		. ,			Stressed Plants (D1)		
Drift Depo	or Crust (B4)			U Other (Explai	in in Rema	arks)			ic Position (D2) quitard (D3)		
Iron Depo									graphic Relief (D4)		
= '	oil Cracks (B6)							✓ FAC-neutra			
Field Observa											
Surface Water	r Present?	Yes C	No 💿	Depth (inche	s):						
Water Table P	Present?	Yes C	No 💿	Depth (inche	es):		Wetlar	nd Hydrology Presen	t? Yes O No 💿		
Saturation Pre		Yes C	No 💿	Depth (inche	s):						
		am gauge,	monitor w	vell, aerial photos, prev	vious inspe	ection) if ava	ilable:				
Remarks:											
. Ciliario											

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