## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority  Investigator(s): SLI, KMK  Local relief (concave, convex, none): flat  Slope: % / 1.4 ° Elevation: 559  Subregion: Southcentral Alaska  Lat.: 62.6857248744  Long.: -148.928479156  Datum: NAD  NWI classification: PSS1E	04									
Investigator(s): SLI, KMK Landform (hillside, terrace, hummocks etc.): Alluvial fan  Local relief (concave, convex, none): flat Slope: % / 1.4 ° Elevation: 559  Subregion: Southcentral Alaska Lat.: 62.6857248744 Long.: -148.928479156 Datum: NAD										
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	83									
Soil Map Office Name. NWI classification: PSS1E										
	ı									
7.10 Normal distances process.										
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 Significant State Sampled Area										
Hydric Soil Present?										
Wetland Hydrology Present? Yes ● No ○ within a Wetland? Yes ● No ○										
Remarks: here to lakeshore is PSS1E closed tall willow community w standing water and flowing channels. more zonation into saturated scrub-										
shrub/flooded emergents near lakeshore, but still too fine of a scale to map independently. many channels well-developed and										
VEGETATION - Use scientific names of plants. List all species in the plot.										
Dominance Test worksheet:										
Tree Stratum % Cover Species? Status Number of Dominant Species										
1. That are OBL, FACW, or FAC: 4	(A)									
Total Number of Dominant	(B)									
3 O Percent of dominant Species	,5,									
	(A/B)									
0										
Total Cover: Prevalence Index worksheet:  Total % Cover of: Multiply by:										
Santing (Show) Short and S										
1. Cally pactacinicitation										
2. Vaccinati diigilicotti										
5. Floor manage										
County published										
5 Column Totals: <u>126</u> (A) <u>269</u>	(B)									
6. Prevalence Index = B/A = $2.135$										
8 Hydrophytic Vegetation Indicators:										
9 0										
10 0										
Total Cover: 82 Morphological Adaptations <sup>1</sup> (Provide supporting da Remarks or on a separate sheet)	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)									
1. Comarum palustre 5 OBL Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)										
2. Cornus canadensis 1 FACU Indicators of hydric soil and wetland hydrology must										
3. Rubus arcticus  1 FAC be present, unless disturbed or problematic.										
4. Equisetum fluviatile 1 OBL										
5 Arctagrostis latifolia 15 FACW Plot size (radius, or length x width) 5m										
6. Carex aquatilis  OBL  W Cover of Wetland Bryophytes (Where applicable)										
7. Equisetum pratense 1 FACW % Bare Ground										
8										
9										
10 Hydrophytic										
Total Cover: 44 Vegetation	Vegetation									
50% of Total Cover: 22 20% of Total Cover: 8.8 Present? Yes No										
Remarks: 1% viola sp. salpsu as at _03, catkins and big red buds.										

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SOIL Sampling Point: SW12\_T99\_04

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)							cators)				
Depth					Redox Features			Taurteen			
(inches)	Color (mois	st)	<u>%</u> C	Color (moist)	_%_	Type <sup>1</sup>	<u>Loc</u> 2	Texture	Remarks		
			— —								
¹Type: C=Cor	<sup>1</sup> Type: C=Concentration. D=Depletion. RM=Reduced Matrix <sup>2</sup> Location: PL=Pore Lining. RC=Root Channel. M=Matrix										
Hydric Soil Indicators: Indicators for Problematic Hydric Soils:											
	r Histel (A1)			4 –				Alaska Gleyed Without H	ue 5Y or Redder		
	pedon (A2)			Alaska Alpine swales (TA5)  Alaska Alpine swales (TA5)							
	Sulfide (A4)			☐ Alaska Redox With 2.5Y Hue ✓ Other (Explain in Remarks)							
	k Surface (A12)			,							
Alaska Gle								nary indicator of wetland h	ydrology,		
Alaska Red			ā	and an appropriat	te landscap	pe position i	must be pre	esent			
	eyed Pores (A15)	)	4	<sup>4</sup> Give details of co	olor chang	e in Remark	ks				
Restrictive Laye	er (if present):			-							
Type:								Hydric Soil Present	? Yes ● No ○		
Depth (inch	hes):							.,			
Remarks:											
,	soils due to star			746 - 25							
HYDROLO	GY										
-	rology Indicat	ors:						Secondary Indi	cators (two or more are required)_		
Primary Indica	ators (any one is	sufficient)						Water Stained Leaves (B9)			
✓ Surface W	Vater (A1)			☐ Inundation V	/isible on A	erial Image	ery (B7)	☐ Drainage P	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	ırks (B1)			Hydrogen Su	ılfide Odor	(C1)		☐ Salt Depos	its (C5)		
Sediment	Deposits (B2)			☐ Dry-Season \	Water Tabl	le (C2)		Stunted or	Stressed Plants (D1)		
Drift Depo	osits (B3)			Other (Expla	in in Rema	irks)		<b>✓</b> Geomorphi	ic Position (D2)		
Algal Mat	or Crust (B4)							Shallow Aq	uitard (D3)		
✓ Iron Depo	osits (B5)							Microtopog	graphic Relief (D4)		
Surface Se	ioil Cracks (B6)							<b>✓</b> FAC-neutra	l Test (D5)		
Field Observa	ations:										
Surface Water	r Present?	Yes 💿		Depth (inche	es): 4						
Water Table P	resent?	Yes 🔾	No 💿	Depth (inche	es):		Wetlar	nd Hydrology Presen	t? Yes 💿 No 🔾		
Saturation Pre		Yes 〇	No (	Depth (inche	oc).						
(includes capi				• •							
Describe Recor	Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:										
Remarks:											
PSS1E commur				pools and channe	els. domina	ant obligate	understory	and sphagnum moss indic	cate that soils are aturated when		
surface water is	is absent. iron fl	oc in pools.									

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