WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Alas	4									
Landform (hillside, terrace, hummocks etc.): Gulch or Gully Local relief (concave, convex, none): flat Slope: 0.0 % / 0.0 ° Elevation: Subregion: Cook Inlet Mountains Lat.: Long.: Datum: WGS8 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 "Normal Circumstances" present? Yes No No No No No No No No										
Local relief (concave, convex, none): flat Slope: 0.0 % / 0.0 ° Elevation: Subregion: Cook Inlet Mountains Lat.: Long.: 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 No No No No No No No										
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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 "Normal Circumstances" present? Are "Normal Circumstances" present?	4									
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Are Vegetation \square , Soil \square , or Hydrology \square significantly disturbed? Are "Normal Circumstances" present? Yes \bigcirc No \odot										
The regulation is a regulation of the regulation										
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										
Hydric Soil Present? Yes ○ No ● Is the Sampled Area										
Wetland Hydrology Present? Yes ○ No ● within a Wetland? Yes ○ No ●										
Remarks: SLI hiked across valley, found no channel or surface water. Stream appears to be truly intermittent and subsurface here, see comments for										
SW15_T320_05.										
/EGETATION - Use scientific names of plants. List all species in the plot.										
Absolute Dominant Indicator Dominance Test worksheet:										
Tree Stratum										
1 That are OBL, FACW, or FAC: 2 (A	,									
2 Total Number of Dominant Species Across All Strata: 3 (B)									
3. Percent of dominant Species										
	/B)									
5. 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 barclayi 80 ✓ FAC FACW Species 0 x 2 = 0										
2. Alnus viridis ssp. crispa 5 FAC Species 92 x 3 = 276										
3. Sorbus scopulina 3 FACU FACU Species 7 x 4 = 28										
4. Viburnum edule										
5 O Column Totals:99 (A)304	(B)									
6 0 Prevalence Index = B/A =3.071_										
7										
8 Hydrophytic Vegetation Indicators:										
9 0										
10 0										
Total Cover: 89										
1. Athyrium cyclosorum 5 ✓ FAC □ Problematic Hydrophytic Vegetation (Explain) 2. Streptopus amplexifolius 3 ✓ FACU ¹ Indicators of hydric soil and wetland hydrology must										
3. Calamagrostis canadensis 1 FAC be present, unless disturbed or problematic.										
4 Aconitum delphiniifolium 1 FAC										
Plot size (radius, or length x width) 10m										
6										
7										
8 Total Cover of Bryophytes										
9										
10 Hydrophytic										
Total Cover: 10 Vegetation										
50% of Total Cover:										

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SOIL Sampling Point: SW15_T320_04

	on: (Describe to t	he depth nee	eded to docume	ent the inc		firm the abs		ators)			
Depth (inches) Color (moist) %		%	Color (moist)		%	Type ¹	Loc ²	Texture	Remarks		
0-6			100	(1			-7,0-		Sapric Organics		
6-18	10YR	3/3	95	2.5Y	4/3	5		M	Silt Loam		
				2.51	- 1/3						
						-		-			
¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix ² Location: PL=Pore Lining. RC=Root Channel. M=Matrix											
Hydric Soil I	Hydric Soil Indicators: Indicators for Problematic Hydric Soils: ³										
Histosol or	Histel (A1)			Alaska Color Change (TA4) Alaska Gleyed Without Hue 5Y or Redder							
Histic Epip	edon (A2)			Alaska Alpine swales (TA5)					Underlying Layer		
Hydrogen	Sulfide (A4)			Alas	ka Redox W	ith 2.5Y H	lue		Other (Explain in Remarks)		
☐ Thick Dark	Surface (A12)			_							
Alaska Gle	yed (A13)				ndicator of l appropriate				mary indicator of wetland h	ydrology,	
Alaska Red	dox (A14)			anu an	арргорнак	z iaiiuscap	e position i	nust be pr	esent		
Alaska Gle	Alaska Gleyed Pores (A15) 4 Give details of color change in Remarks										
Restrictive Laye	er (if present):										
Type:									Hydric Soil Present?	? Yes ○ No •	
Depth (inch	nes):										
HYDROLO	GY										
Wetland Hydi	rology Indica	tors:							Secondary Indic	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)		
High Water Table (A2)				Sparsely Vegetated Concave Surface (B8)					Oxidized Rhizospheres along Living Roots (C3)		
Saturation (A3)				☐ Marl Deposits (B15)					Presence of	f Reduced Iron (C4)	
☐ Water Mai		Hydrogen Sulfide Odor (C1)					Salt Deposi	ts (C5)			
Sediment	Deposits (B2)			☐ Dr	y-Season W	ater Table	e (C2)		Stunted or	Stressed Plants (D1)	
☐ Drift Depo	osits (B3)			Ot	her (Explair	n in Remai	rks)		Geomorphi	c Position (D2)	
Algal Mat	or Crust (B4)								Shallow Aq	uitard (D3)	
☐ Iron Depo	sits (B5)								Microtopog	raphic Relief (D4)	
Surface So	oil Cracks (B6)								☐ FAC-neutra	l Test (D5)	
Field Observa	ntions:										
Surface Water	Present?	Yes 🔾	No 💿	De	epth (inches	s):					
Water Table P	resent?	Yes 🔾	No 💿	De	epth (inches	s):		Wetla	nd Hydrology Present	t? Yes O No 💿	
Saturation Pre		Yes O	No •		epth (inches	•					
(includes capil Describe Record					. `		ction) if ava	nilable:			
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
Remarks:											
no wetland hydrology indicators. hiked across willow swale to dwarf shrub tundra with scattered picgla trees, no indications of perennial or ephemeral channel. investigatory pits in other places in channel are similar, no subsurface indications of wetland hydrology.											

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