WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Investigator(s): SLI, EKJ Landform (hillside, terrace, hummocks etc.): Saddle Local relief (concave, convex, none): flat Slope: 3.5 % / 2.0 ° Elevation: 850	_01									
nvestigator(s): SLI, EKJ Landform (hillside, terrace, hummocks etc.): Saddle										
Subregion: Southcentral Alaska Lat.: 62.8517199088 Long.: -149.199449968 Datum: WC	 3S84									
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? Are Vegetation , Soil , or Hydrology naturally problematic? Are Vegetation , Soil , or Hydrology naturally problematic? Are Vegetation , Soil , or Hydrology naturally problematic? Are Vegetation , Soil , or Hydrology naturally problematic? Are Thormal Circumstances present? Yes No No (If no, explain in Remarks.) No (If no, explain in Remarks.))									
Hydrophytic Vegetation Present? Yes No O										
Hydric Soil Present? Yes No O Is the Sampled Area	-									
Wetland Hydrology Present? Yes No No Within a Wetland? Yes No V										
Remarks:										
VEGETATION - Use scientific names of plants. List all species in the plot. Absolute Dominant Indicator Dominance Test worksheet:										
Tree Stratum W Cover Species Status Number of Dominant Species That are OBL, FACW, or FAC: 6	(A)									
1	(A)									
2	(B)									
3 O Percent of dominant Species										
4 0 That Are OBL, FACW, or FAC:66.7%	(A/B)									
5 Prevalence Index worksheet:										
Total Cover: O Total % Cover of: Multiply by:										
Sapling/Shrub Stratum 50% of Total Cover: 0 OBL Species 0 x 1 = 0	_									
1. Empetrum nigrum 15 FAC FACW Species 10 x 2 = 20	_									
2. Vaccinium uliginosum 5 FAC Species 41 x 3 = 123	_									
3. Vaccinium vitis-idaea 5 FACU Species 21 x 4 = 84	_									
4. Arctostaphylos alpina 10 FACU UPL Species 0 x 5 = 0	_									
5. Betula nana	(B)									
6. Ledum decumbens 10 FACW										
7. Loiseleuria procumbens 10 FACU Prevalence Index = B/A = 3.153										
8. Salix commutata 1_ FAC Hydrophytic Vegetation Indicators:										
9 0										
10 0										
Total Cover: 66 Morphological Adaptations (Provide supporting of Remarks or on a separate sheet)	lata in									
1. Carex bigelowii 3 FAC Problematic Hydrophytic Vegetation (Explain)										
2. Equisetum sylvaticum 1 FAC 1 Indicators of hydric soil and wetland hydrology must										
3. Spinulum annotinum 1 FACU be present, unless disturbed or problematic.										
4. Cornus suecica 1 FAC Plot size (radius, or length x width) 10m										
5	_									
6 (Where applicable)	_									
7	_									
8	_									
<u> </u>										
10 Hydrophytic										
Total Cover: 6 Vegetation Present? Yes No										
Remarks: trace unidentified grass, pedicularis sp. and polygonum bistorta. last season infloresence on unidentified grass looks like a calamagro										

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SOIL Sampling Point: SW12_T18_01

Profile Descript Depth	tion: (Describe to t	he depth ne	eded to docum	nent the inc		nfirm the abs		ators)			
(inches)	Color (moi	st)	%	Color (m	noist)	%	Type ¹	Loc ²	Texture	Remarks	
0-3			100			_			Fibric Organics		
3-5			100						Hemic Organics		
5-15		4/2	80	10YR	5/4	20		PL	Sandy Clay	few fine to medium semi angular gravels	
	<u> </u>	-1/2		101	- J, .				Jan. 2, 22,	TOW TIME to median Jenn angular grands	
								-			
1 Type: C=Co	ncentration. D=	Depletion.			2 Location	: PL=Por	 e Lining. RC	=Root Cha	annel. M=Matrix	, -	
							c Hydric So		••••••		
Hydric Soil I							4	oiis:	7	=	
l —	or Histel (A1)			☐ Alaska Color Change (TA4) ☐ Alaska Gleyed Without Hue 5Y or Redder ☐ Alaska Alpine swales (TA5) ☐ Underlying Layer						ue 5Y or Redder	
=	pedon (A2)				ka Aipine sv ka Redox W	-	-		Other (Explain in Remark	(C)	
_ ' '	Sulfide (A4)			∐ Alası	Ad REGUX VV	/IUI	lue	_	Other (Explain in Ne	3)	
	k Surface (A12) eyed (A13)								mary indicator of wetland h	ıydrology,	
✓ Alaska Re				and an	appropriate	e landscap	e position r	nust be pro	esent		
	eyed Pores (A15)		4 Give o	letails of co	lor change	e in Remark	S			
	rer (if present):										
Type: active layer (frozen)									Hydric Soil Present	? Yes • No O	
Depth (incl	, ,	•							•		
HYDROLO	OGY										
Wetland Hyd	lrology Indicat	tors:							Secondary Indi	cators (two or more are required)	
Primary Indica	ators (any one is	sufficient)						Water Stained Leaves (B9) Drainage Patterns (B10)		
	Water (A1)			☐ Inundation Visible on Aerial Imagery (B7)				y (B7)			
✓ High Water Table (A2)				Sparsely Vegetated Concave Surface (B8)				ce (B8)	Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4)		
Saturation (A3)				Marl Deposits (B15)							
Water Ma				Hydrogen Sulfide Odor (C1)					☐ Salt Depos		
Sediment		☐ Dry-Season Water Table (C2) ☐ Other (Explain in Remarks)						Stressed Plants (D1)			
☐ Drift Dep	. ,			∐ Ot	her (Explair	n in Rema	rks)			ic Position (D2)	
	t or Crust (B4)								✓ Shallow Ac		
☐ Iron Depo	` '									graphic Relief (D4)	
Field Observa	Soil Cracks (B6)							1	☐ FAC-IIEuu c	al Test (D5)	
Surface Wate		Yes O	No 💿	D,	epth (inches	٠)٠					
			No O			•		\4/atla	Understager Desse	13 V (A) No (
Water Table F				De	epth (inches	s): 5		Wetia	nd Hydrology Presen	t? Yes • No O	
Saturation Pre (includes capi		Yes 🕑	No O	De	epth (inches	s): 5					
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
Remarks:											

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