## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority  Applicant/Owner: Alaska Energy Authority  Investigator(s): JGK  Landform (hillside, terrace, hummocks etc.): Hillside  Local relief (concave, convex, none): hummocky  Solope: 57.7 % / 30.0 ° Elevation: 569  Subregion: Southcentral Alaska  Lat.: 62.7985999088  Long.: -149.250459968  Datum: W  Soil Map Unit Name:  NWI classification: Upland	5_07		
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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.	0		
Hydrophytic Vegetation Present? Yes No Signature No Signa			
Hydric Soil Present?  Yes No  within a Wetland?  Yes No			
Wetland Hydrology Present? Yes O No • Within a Wetland?			
/EGETATION - Use scientific names of plants. List all species in the plot.			
Absolute Dominant Indicator  Dominance Test worksheet:			
Tree Stratum  1. Number of Dominant Species That are OBL, FACW, or FAC: 2	(A)		
Total Number of Dominant			
3	(B)		
4. Percent of dominant Species That Are OBL, FACW, or FAC: 66.7%	(A/B)		
5 O Prevalence Index worksheet:			
Total Cover: Total % Cover of: Multiply by:			
Sapling/Shrub Stratum 50% of Total Cover: 0 OBL Species 0 x 1 = 0	_		
1. Betula glandulosa 15 FAC FACW Species 20 x 2 = 40	_		
2. Vaccinium uliginosum 50 FAC Species 75 x 3 = 225	_		
3. Empetrum nigrum 10 FAC FACU Species 7 x 4 = 28	_		
4. <u>Spiraea stevenii</u> <u>5</u> <u>FACU</u> <u>UPL Species 0</u> x 5 = <u>0</u>	_		
5. <u>Ledum decumbens</u> <u>20</u> <u>FACW</u> Column Totals: <u>102</u> (A) <u>293</u>	(B)		
6 0			
7			
8 Hydrophytic Vegetation Indicators:			
9			
10			
Total Cover: 100 Morphological Adaptations (Provide supporting Remarks or on a separate sheet)	data in		
1. Cornus canadensis 2 FACU Problematic Hydrophytic Vegetation (Explain)			
2 <sup>1</sup> Indicators of hydric soil and wetland hydrology must			
3 be present, unless disturbed or problematic.			
4 O Plot size (radius, or length x width)			
5 % Cover of Wetland Bryophytes			
6 (Where applicable)			
7			
15 Total cover of Bryophiyes 15	_		
9			
Total Cover: 2 Vegetation	Hydrophytic Vegetation		
50% of Total Cover: 1 20% of Total Cover: 0.4 Present? Yes No			
Remarks: tr lycann picgla			

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SOIL Sampling Point: SW12\_T25\_07

Profile Descript	ioni (Doscribo to	the depth no	adad ta dagum	ant the indicator or co	nfirm the ah	conco of indic	ators)		10mc. 54412_125_67	
		tne deptn nee <b>Matrix</b>	edea to aocum	ent the indicator or co <b>Re</b> c	ntirm the ac dox Feati		ators)			
Depth (inches)				Color (moist) Type <sup>1</sup>		Loc <sup>2</sup>	Texture	Remarks		
0-5				Color (moloc)				Fibric Organics		
5-12	10YR	 2/2	60						40% cobbles >4in and sub ang rock 2-3in	
- 312								-	10 70 CODDICS > IIII did Sub dilg TOCK 2 SIII	
¹Type: C=Co	ncentration. D	Depletion.	RM=Reduce	d Matrix <sup>2</sup> Location	n: PL=Por	e Lining. RC	=Root Cha	nnel. M=Matrix		
Hydric Soil I	ndicators:			Indicators for Pr	oblemati	c Hydric So	oils: <sup>3</sup>			
Histosol o	r Histel (A1)			Alaska Color Cl		4		Alaska Gleyed Without H	ue 5Y or Redder	
	pedon (A2)			Alaska Alpine s	wales (TA	5)		Underlying Layer		
Hydrogen	Sulfide (A4)			Alaska Redox With 2.5Y Hue Other (Explain in Remarks)					ss)	
☐ Thick Darl	k Surface (A12	)		_						
Alaska Gle	eyed (A13)			<sup>3</sup> One indicator of and an appropriat				nary indicator of wetland h	ydrology,	
Alaska Red	dox (A14)					·	•			
Alaska Gle	eyed Pores (A1	5)		<sup>4</sup> Give details of co	olor chang	e in Remark	S			
Restrictive Laye	er (if present):									
Type:								Hydric Soil Present	? Yes ○ No •	
Depth (incl	nes):									
Remarks:										
LIV/DDOL 0	-01/									
HYDROLO								0 1 7 11		
Wetland Hyd Primary Indica									cators (two or more are required)	
Surface V		is sufficient,		Toundation V	licible on A	arial Imagas	Water Stained Leaves (B9)  Up (B7)  Drainage Patterns (B10)			
				☐ Inundation Visible on Aerial Imagery (B7) ☐ Sparsely Vegetated Concave Surface (B8)				Oxidized Rhizospheres along Living Roots (C3)		
High Water Table (A2) Saturation (A3)				Marl Deposits (B15)				Presence of Reduced Iron (C4)		
Water Ma	. ,			Hydrogen Sulfide Odor (C1)				Salt Deposits (C5)		
	Deposits (B2)			Dry-Season Water Table (C2)				Stunted or Stressed Plants (D1)		
Drift Depo	Other (Explai					Geomorphic Position (D2)				
	or Crust (B4)			Outer (Expla	iii iii Reiiie	110)			juitard (D3)	
☐ Iron Depo									graphic Relief (D4)	
_	oil Cracks (B6)							FAC-neutra		
Field Observa										
Surface Wate	r Present?	Yes $\bigcirc$	No 💿	Depth (inche	es):					
Water Table F	Present?	Yes 🔾	No •	Depth (inche	,		Wetla	nd Hydrology Presen	t? Yes ○ No •	
Saturation Pre				рерит (писпе	:5):		W Ccia.	na myarology i resen	t. 163 © 110 ©	
(includes capi		Yes $\bigcirc$	No 💿	Depth (inche	es):					
Describe Recor	ded Data (stre	am gauge,	monitor well	, aerial photos, pre	vious inspe	ection) if ava	ilable:			
Remarks:										

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