## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority  Investigator(s): JGK  Landform (hillside, terrace, hummocks etc.): Flat  Local relief (concave, convex, none): hummocky  Supplied to the state of	Γ28_02				
Local relief (concave, convex, none): hummocky Slope: 1.7 % / 1.0 ° Elevation: 739					
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Outhernton and the second of t	Slope: 1.7 % / 1.0 ° Elevation: 739				
Subregion: Interior Alaska Mountains Lat.: 62.8664599085 Long.: -148.369249972 Datum:	2.8664599085 Long.: <u>-148.369249972</u> Datum: <u>WGS84</u>				
Soil Map Unit Name: NWI classification: PSS1/EM1B	NWI classification: PSS1/EM1B				
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 PiNormal Circumstances present?  (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	No O				
Hydric Soil Present?  Wetland Hydrology Present?  Yes  No  No  Wetland Hydrology Present?  Yes  No  No  Wetland?  Yes  No					
/EGETATION - Use scientific names of plants. List all species in the plot.  Dominance Test worksheet:					
Absolute Dominant Indicator					
That are OBL, FACW, or FAC: 3	(A)				
Total Number of Dominant	(5)				
3	(B)				
4. Percent of dominant Species That Are OBL, FACW, or FAC: 100.0%	(A/B)				
5					
Total Cover: 0 Prevalence Index worksheet:  Total % Cover of: Multiply by:					
Spelling (Show) Street and Street Covery of Total Covery of To	0				
EACW Species 25 v2 =	<u>0                                    </u>				
2 Vessinium ulininggum	25				
2 Facultum pigrum	0				
4 Vigorialization with ideas	0				
5 Della 10					
5. Betula nana Column Totals: 100 (A) 2 6	<u>75</u> (B)				
7. Prevalence Index = B/A = 2.750					
8 Hydrophytic Vegetation Indicators:					
9. Dominance Test is > 50%					
10 0					
Total Cover: 60 Morphological Adaptations (Provide support Remarks or on a separate sheet)	· · · · · · · · · · · · · · · · · · ·				
1. Rubus chamaemorus 5 FACW Problematic Hydrophytic Vegetation <sup>1</sup> (Explain	-				
2. Carex bigelowii 35	ust				
3 be present, unless disturbed or problematic.					
4. Plot size (radius, or length x width) 10m					
5					
o(where applicable)					
7					
8					
Total Cover: 40 Vegetation	Hydrophytic Vegetation				
50% of Total Cover: 20 20% of Total Cover: 8 Present? Yes • No •					

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SOIL Sampling Point: SW12\_T28\_02

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)  Redox Features											
Depth (inches)	Color (mois		% Co	lor (moist)	%	Type <sup>1</sup>	_Loc_2	Texture	Remarks		
0-10	COIOI (IIIOI	st)	80	iioi (iiioist)		Туре	LUC	Fibric Organics	20% roots		
10-16								Hemic Organics			
				<del></del>							
					_						
<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 I	Hydric Soil Indicators: Indicators for Problematic Hydric Soils: <sup>3</sup>										
✓ Histosol or Histel (A1)				☐ Alaska Color Change (TA4) ☐ Alaska Gleyed Without Hue 5Y or Redder							
Histic Epip	pedon (A2)			Alaska Alpine swales (TA5)  Underlying Layer							
☐ Hydrogen	Sulfide (A4)			Alaska Redox With 2.5Y Hue Other (Explain in Remarks)							
☐ Thick Darl	k Surface (A12)		2								
Alaska Gleyed (A13)  3 One indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, and an appropriate landscape position must be present									ydrology,		
	Alaska Redox (A14)  Alaska Gleyed Pores (A15)  4 Give details of color change in Remarks										
		,									
Restrictive Laye	er (if present):								<b>.</b>		
Type:								Hydric Soil Present	? Yes ● No ○		
Depth (inches):											
HYDROLO	GY										
	rology Indicat	ors:						Secondary Indi	cators (two or more are required)		
	ators (any one is							Water Stained Leaves (B9)			
✓ Surface V	Vater (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 Reduced Iron (C4)			
Water Ma				Hydrogen S	ulfide Odor	(C1)		Salt Depos			
	Deposits (B2)		Ĺ	Dry-Season					Stressed Plants (D1)		
Drift Depo			L	Other (Expla	ain in Remai	rks)			c Position (D2)		
	or Crust (B4)								uitard (D3)		
Iron Depo								_	raphic Relief (D4)		
Field Observa	oil Cracks (B6)							✓ FAC-neutra	Test (D5)		
Surface Wate		Yes	No O	Depth (inch	oc): 1						
		Yes •			,		\4/ a4laa	ad Hadaalaan Baasaa	•3		
Water Table F				Depth (inch	es): 0		wetiai	nd Hydrology Presen	t? Yes • No ·		
Saturation Pre (includes capi		Yes	No O	Depth (inch	es): 0						
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
Remarks:											
Surface water was only in pockets											
Surface water	vvas only in poci	CL3									

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