WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owne Investigator(s):	r: Alaska Energy Authority					Sampling Point: SW13_T150_09
						Camping Cont. SWIS 1130 09
• ,	SLI, EAC		L	andform (hill:	side, terrac	e, hummocks etc.): Footslope
Local relief (cor	ncave, convex, none): concave			Slope:		° Elevation: 758
Subregion : In	terior Alaska Mountains	l a	at · 6	3.329958677		Long.: -148.281602859 Datum: NAD83
Soil Map Unit N				3.329930011	-	
•	-				No ○	NWI classification: PEM1E
Are Vegetation	n	signific natura owing	cantly Illy pro	disturbed?	Are "N (If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes No Iorded, explain any answers in Remarks.) Iorded, explain any answers in Remarks.) Iorded, explain any answers in Remarks.)
Hydroph	ytic Vegetation Present? Yes No			le	tha Sam	nlad Aroa
Hydric Soil Present? Yes ● No ○				Is the Sampled Area within a Wetland? Yes ● No ○		
	Hydrology Present? Yes ● No	0		Wi	tnin a vv	etiand? Tes C No C
	II PEM1E hgwsl at bottom of hillside. N -Use scientific names of plants.	List all	spec	cies in the	plot.	Dominance Test weeksheet:
		Abso		Dominant		Dominance Test worksheet: Number of Dominant Species
1.	<u>n</u>	<u> % C</u>		Species?	Status	That are OBL, FACW, or FAC: 4 (A)
-			0			Total Number of Dominant
2. 3.			0			Species Across All Strata: 4 (B)
			0			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
5.			0			THAT ALE OBE, I AOW, OF I AO
J	Total Cov		0			Prevalence Index worksheet:
				of Total Cover:	0	Total % Cover of: Multiply by:
Sapling/Snr	<u>John Of Total Cover.</u>		2070 (_		OBL Species 70.1 x 1 = 70.1
1. Salix fu	scescens		3	✓	FACW	FACW Species 3.1 x 2 = 6.2
-	um uliginosum		2	V	FAC	FACUS pacies 2 x 3 = 6
	um oxycoccos		0.1		OBL	FACU Species 0 x 4 = 0
	lendron tomentosum		0.1		FACW	UPL Species <u>0</u> x 5 = <u>0</u>
_			0			Column Totals: <u>75.2</u> (A) <u>82.3</u> (B)
			0			Prevalence Index = B/A = 1.094
_			0			
8			0			Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50%
			0			✓ Prevalence Index is ≤3.0
10.	Total Cov	— - er: '	5.2			
Herb Stratum50% of Total Cover:2.620% of T						Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
	orum angustifolium		20	V	OBL	Problematic Hydrophytic Vegetation (Explain)
2. Carex a	•		50		OBL	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
			0			be present, unless disturbed or problematic.
			0			Plot size (radius, or length x width)
			0			% Cover of Wetland Bryophytes
			0			(Where applicable)
			0			% Bare Ground 75
			0	\Box		Total Cover of Bryophytes
			0			Hydronhytic
10.	Total Cov	er:	70			Hydrophytic Vegetation
	50% of Total Cover:			of Total Cover:	14	Present? Yes No

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SOIL Sampling Point: SW13_T150_09 Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) **Redox Features** Depth <u>Loc</u> 2 (inches) Color (moist) Color (moist) Type ¹ ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix ² Location: PL=Pore Lining, RC=Root Channel, M=Matrix Indicators for Problematic Hydric Soils:3 **Hydric Soil Indicators:** Histosol or Histel (A1) Alaska Color Change (TA4) ☐ Alaska Gleyed Without Hue 5Y or Redder Underlying Layer Alaska Alpine swales (TA5) Histic Epipedon (A2) Alaska Redox With 2.5Y Hue Under (Explain in Remarks) ✓ Hydrogen Sulfide (A4) Thick Dark Surface (A12) ³ One indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, Alaska Gleved (A13) and an appropriate landscape position must be present Alaska Redox (A14) ⁴ Give details of color change in Remarks Alaska Gleyed Pores (A15) Restrictive Layer (if present): Yes ● No ○ Type: **Hydric Soil Present?** Depth (inches): Remarks: h2s when wading in community **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (two or more are required) Primary Indicators (any one is sufficient) Water Stained Leaves (B9) ✓ Surface Water (A1) Drainage Patterns (B10) ☐ Inundation Visible on Aerial Imagery (B7) High Water Table (A2) Oxidized Rhizospheres along Living Roots (C3) Sparsely Vegetated Concave Surface (B8) Saturation (A3) Presence of Reduced Iron (C4) Marl Deposits (B15) Water Marks (B1) Salt Deposits (C5) ✓ Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Dry-Season Water Table (C2) Stunted or Stressed Plants (D1) Drift Deposits (B3) Other (Explain in Remarks) Geomorphic Position (D2) Algal Mat or Crust (B4) Shallow Aquitard (D3) ✓ Iron Deposits (B5) Microtopographic Relief (D4) Surface Soil Cracks (B6) ✓ FAC-neutral Test (D5) Field Observations: Yes ● No ○ Surface Water Present? Depth (inches): 3 Yes O No • Yes ● No ○ Water Table Present? Wetland Hydrology Present? Depth (inches): Saturation Present? Yes ○ No ● Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:

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Remarks:

iron floc and biogenic sheen