WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Sampling Point: SV	
	W12_T52_04
Investigator(s): CTS, EKJ Landform (hillside, terrace, hummocks etc.): Flat	
Local relief (concave, convex, none): flat Slope: % / 1.3 ° Elevation: 699	
	atum: NAD83
Soil Map Unit Name: NWI classification: PEM1E	
	<u>:</u>
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 TNormal Circumstances" present? Yes No (If no, explain in Remarks.) Yes (If no, explain in Remarks.) Yes (If no, explain in Remarks.)	
Hydrophytic Vegetation Present? Yes No No	
Useful Sail Presents Ves No Is the Sampled Area	
Wetland Hydrology Present? Yes No Within a Wetland? Yes No	
Remarks: Disjunct strangmoor grading to lakeshore, Trichophorum dominated!	
VEGETATION - Use scientific names of plants. List all species in the plot. Absolute Dominant Indicator Tree Stratum Species? Status Dominance Test worksheet: Number of Dominant Species	
1. That are OBL, FACW, or FAC:	(A)
2. Total Number of Dominant Species Across All Strata:	5 (B)
3 Species Across All Strata: Species Across All Strata: Percent of dominant Species	<u> </u>
	.00.0% (A/B)
5. Prevalence Index worksheet:	
Total Cover: 0 Total % Cover of: Multiply b	by:
Sapling/Shrub Stratum 50% of Total Cover: 0 OBL Species 52 x 1 =	, 52
1. Vaccinium uliginosum 3 FAC FACW Species 4.2 x 2 =	8.4
2 Daeinhora fruticosa 2	21
3. Rhododendron tomentosum 2 FACU Species 0.1 x 4 =	0.400
4. Betula nana 1 FAC UPL Species 1 x 5 =	5
5. Empetrum nigrum 1 FAC Column Totals: 64.3 (A)	86.8 (B)
6. Picea mariana 2 🗹 FACW	
7. Prevalence Index = B/A =	1.350
8 O Hydrophytic Vegetation Indicators:	
9 0	
10 0	
Total Cover: 11	supporting data in
1. Lycopodium clavatum 0.1 FACU Problematic Hydrophytic Vegetation 1	(Explain)
2. Solidago canadensis 1 UPL ¹ Indicators of hydric soil and wetland hydro	ology must
3. Trichophorum alpinum 50 OBL be present, unless disturbed or problematic	c.
4. Eriophorum angustifolium 2 OBL Plot size (radius, or length x width)	10m
5. Pedicularis labradorica O.1 FACW % Cover of Wetland Bryophytes	60
6. Swertia perennis O.1 FACW (Where applicable)	
7 % Bare Ground	_5
8 Total Cover of Bryophytes	_60
9	
10 O Hydrophytic	
Total Cover: 53.3 Vegetation	
50% of Total Cover: 26.65 20% of Total Cover: 10.66 Present? Yes No	

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW12_T52_04

Glor (molest)	Depth	Matrix	Re	dox Features		-	
### Proper CeConcentration, D=Depletion, RM=Reduced Matrix ** Location: PL=Pore Lining, RC=Root Channel, M=Matrix	" i \	oist) %	Color (moist)	% Туре	<u>Loc</u> 2		Remarks
**Type: C=Concentration. D=Depletion. RM=Reduced Matrix **Location: PL=Pore Lining, RC=Root Channel. M=Matrix ** **Hydric Soil Indicators:	0-2	100)			Fibric Organics	
Hydric Soil Indicators: Indicators for Problematic Hydric Soils	2-17	100)			Hemic Organics	20% roots
Hydric Soil Indicators: Indicators for Problematic Hydric Soils					-		·
Hydric Soil Indicators: Indicators for Problematic Hydric Soils							
Hydric Soil Indicators: Histosol or Histel (A1)							
Hydric Soil Indicators: Indicators for Problematic Hydric Soils							-
Hydric Soil Indicators: Histosol or Histel (A1)							
Hydric Soil Indicators: Histosol or Histel (A1)						-	. ————
Hydric Soil Indicators: Histosol or Histel (A1)	1 Type: C-Concentration D	-Depletion PM-	Poduced Matrix 2 Location	n: DI –Doro Lining	DC-Poot Cha	annal M-Matrix	
Histosol or Histel (A1)		=реріецоп. км=				ппет. м=маих	
Histic Epipedon (A2)				4	ic soils:	Alaska Clayed Without H	us EV or Radder
Hydrogen Sulfide (A4)							ue 51 or Redder
Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Gleyed Pores (A15) Alaska Gleyed Pores (A15) 4 Give details of color change in Remarks Restrictive Layer (if present): Type: Depth (inches): Type: Depth							(S)
Alaska Gleyed (A13) Alaska Gleyed (A14) Alaska Gleyed Pores (A15) Restrictive Layer (if present): Type: Depth (inches): Remarks: Hydric Soil Present? Yes ● No ○ Presents Secondary Indicators (two or more are required) Finanz Indicators (any one is sufficient) Secondary Indicators (two or more are required) Finanz Indicators (any one is sufficient) Secondary Indicators (any one is sufficient) Secondary Indicators (any one is sufficient) Secondary Indicators (any one is sufficient) Mater Table (A2) Sediment Deposits (B2) Sediment Deposits (B2) Sediment Deposits (B3) Drift Deposits (B3) Drift Deposits (B3) Iron Deposits (B4) Iron Deposits (B6) Setiration Present? Yes ● No ○ Depth (inches): 1 Wettand Hydrology Present? Yes ● No ○ Depth (inches): 5 Seturation Present? Yes ● No ○ Depth (inches): 2 Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:		2)		Widi 2.51 Tide			•
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(includes capillary fringe) Tes Pro Depth (inches): 2 Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	Wetland Hydrology Indications (any one Primary Indicators (any one ✓ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Field Observations: Surface Water Present?	is sufficient) Yes No	Sparsely Veg Marl Deposit Hydrogen Su Dry-Season Other (Expla	getated Concave S es (B15) ulfide Odor (C1) Water Table (C2) nin in Remarks)	urface (B8)	Water Stail □ Drainage I □ Oxidized R □ Presence c □ Salt Depos □ Stunted or □ Geomorph □ Shallow Ac □ Microtopos	ned Leaves (B9) Patterns (B10) chizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4) al Test (D5)
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