WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Investigator(s): SLI, SCB Landform (hillside, terrace, hummocks etc.): Footslope Local relief (concave, convex, none): hummocky Subregion: Interior Alaska Mountains Lat.: Long.: Datum: V Soil Map Unit Name: NWI classification: PSS1/EM1B	351_07
Investigator(s): SLI, SCB Landform (hillside, terrace, hummocks etc.): Footslope Local relief (concave, convex, none): hummocky Slope: 14.0 % / 8.0 ° Elevation: Subregion: Interior Alaska Mountains Lat.: Long.: Datum: V Soil Map Unit Name: NWI classification: PSS1/EM1B	
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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 Normal Circumstances present?	o O
Hydrophytic Vegetation Present? Yes No No Latte 2	
Hydric Soil Present? Yes No Solution No Solution Is the Sampled Area within a Wetland? Yes No Solution	
Wetland Hydrology Present? Yes No within a Wetland? Yes No Ves No No Ves No Ves	
Remarks:	
VEGETATION - Use scientific names of plants. List all species in the plot. Name	(A) (B)
That Are ORL FACE we FACE 100 00%	(A/B)
4	_ (\(\cap_{\beta}\))
Prevalence Index worksheet:	
Souther (Should Street as 50% of Total Cover: 4 20% of Total Cover	
1. Betula nana 30 FAC FACW Species 53 x 2 = 10	
2. Vaccinium vitis-idaea 10 FAC Species 55 x 3 = 16 3. Rhododendron tomentosum 10 FACW FACW FACU Species 0 x 4 = 0	
o. Milododonioni omeniodam	
5 Vicasini neutralization de la constantina della constantina dell	
C. Franchisco signature	<u>1</u> (B)
6. Empetrum nigrum $\frac{5}{0}$ Prevalence Index = B/A = $\frac{2.509}{0}$	
8. Hydrophytic Vegetation Indicators:	
9 0	
10 0	
Total Cover: 65 Morphological Adaptations (Provide supporting Remarks or on a separate sheet)	g data in
1. Eriophorum vaginatum 30 FACW Problematic Hydrophytic Vegetation (Explain)	ı
2. Carex bigelowii 5 FAC ¹ Indicators of hydric soil and wetland hydrology mus	st
3. Rubus chamaemorus 5	
4. Petasites frigidus 1 FACW Plot size (radius, or length x width) 10m	
5 % Cover of Wetland Bryophytes	
6 (Where applicable)	
7	
8 Total Cover of Bryophytes	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
10. Hydrophytic	
Total Cover: 41 Vegetation 50% of Total Cover: 20.5 20% of Total Cover: 8.2 Present? Yes No C	
Remarks: open low birch with erivag and carbig tussocks, scattered sapling to mature picmar. <5% total tree cover, thus no tree species cou	

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SOIL Sampling Point: SW15_T351_07

Depth (inches) Color (mois	st) %	Color (moist)	<u>%</u> Type ¹	Loc 2	Texture	Remarks
0-10	<u>,</u>				Peat	
10-13					Mucky Peat	
13-16					Muck	
16-19 10YR	4/2 100				Silty Clay	
10 17	1,2 100					
Type: C=Concentration. D=E	——————————————————————————————————————	educed Matrix ² Location	n: PL=Pore Lining. R	 .C=Root Char	nnel. M=Matrix	
lydric Soil Indicators:		Indicators for Pr	oblematic Hydric S	Soils: ³		
Histosol or Histel (A1)		Alaska Color Cl	4		Alaska Gleyed Without H	ue 5Y or Redder
Histic Epipedon (A2)		Alaska Alpine s	swales (TA5)	_	Underlying Layer	
Hydrogen Sulfide (A4)		Alaska Redox V	With 2.5Y Hue		Other (Explain in Remark	rs)
Thick Dark Surface (A12)		30	:			
Alaska Gleyed (A13)			te landscape position		nary indicator of wetland h esent	yarology,
☐ Alaska Redox (A14)		4 Give details of o	olor change in Remai	·kc		
☐ Alaska Gleyed Pores (A15)	1	GIVE details of e	olor change in Kemai	K3		
estrictive Layer (if present):						
Type: silty clay, seasonal f	rost				Hydric Soil Present	? Yes ● No 🔾
Depth (inches): 16, 19					,	
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Depth (inches): 16, 19						
Depth (inches): 16, 19 emarks: YDROLOGY						
Depth (inches): 16, 19 emarks: YDROLOGY Vetland Hydrology Indicate	ors:				_Secondary India	cators (two or more are required)
Depth (inches): 16, 19 emarks: YDROLOGY Vetland Hydrology Indicators irimary Indicators (any one is	ors:				Secondary Indi	cators (two or more are required) ned Leaves (B9)
PDEPTH (inches): 16, 19 PETHOLOGY Petland Hydrology Indicator rimary Indicators (any one is Surface Water (A1)	ors:		risible on Aerial Imag		Secondary Indio	cators (two or more are required) ned Leaves (B9) l'atterns (B10)
PDEPTH (inches): 16, 19 PETHOLOGY Petland Hydrology Indicate rimary Indicators (any one is Surface Water (A1) High Water Table (A2)	ors:	Sparsely Veg	etated Concave Surfa		Secondary Indio Water Staii Drainage P	cators (two or more are required) ned Leaves (B9) latterns (B10) hizospheres along Living Roots (C3
Depth (inches): 16, 19 emarks: YDROLOGY Vetland Hydrology Indicator rimary Indicators (any one is Surface Water (A1) High Water Table (A2) Saturation (A3)	ors:	Sparsely Veg Marl Deposit	jetated Concave Surfa s (B15)		Secondary India Water Staii Drainage P Oxidized R	cators (two or more are required) ned Leaves (B9) latterns (B10) hizospheres along Living Roots (C3 f Reduced Iron (C4)
Depth (inches): 16, 19 emarks: YDROLOGY Vetland Hydrology Indicators rimary Indicators (any one is Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	ors:	Sparsely Veg Marl Deposit	getated Concave Surfa s (B15) ulfide Odor (C1)		Secondary India Water Staii Drainage P Oxidized R Presence o Salt Depos	cators (two or more are required) ned Leaves (B9) latterns (B10) hizospheres along Living Roots (C3 if Reduced Iron (C4) its (C5)
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Pepth (inches): 16, 19 Pemarks: YDROLOGY Vetland Hydrology Indicator imary Indicators (any one is 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)	ors:	Sparsely Veg Marl Deposit Hydrogen Su Dry-Season N	getated Concave Surfa s (B15) alfide Odor (C1) Water Table (C2)		Secondary India Water Stail Drainage P Oxidized R Presence o Salt Depos Stunted or Geomorphi Shallow Aq Microtopog	cators (two or more are required) ned Leaves (B9) latterns (B10) hizospheres along Living Roots (C3 if Reduced Iron (C4) its (C5) Stressed Plants (D1) ic Position (D2) juitard (D3) jraphic Relief (D4)
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