WETLAND DETERMINATION DATA FORM - Alaska Region

	nt/Owner: Alaska Energy Authority				Compling Doint: CM12 T202 00
					Sampling Point: SW13_T202_08
	gator(s): CTS, AMD		Landform (hill	side, terrac	e, hummocks etc.): Flat
Local re	elief (concave, convex, none): flat		Slope:	% / 1.8	,
	ion : Interior Alaska Mountains	Lat: 4	· 63.397442937		Long.: -148.55031085 Datum: NAD83
_		Lat(33.397442937	1	
	p Unit Name:			No ○	NWI classification: PSS1B
Are Vo	egetation , Soil , or Hydrology row	significantly naturally pro ving sam	disturbed?	Are "N (If nee	(If no, explain in Remarks.) lormal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.) s, transects, important features, etc.
	Hydrophytic Vegetation Present? Yes 💿 No 🗅		la la	the Com	wlad Araa
	Hydric Soil Present? Yes ● No C)			pled Area etland? Yes ● No ○
	Wetland Hydrology Present? Yes ● No C)	W	thin a W	etiand? Tes © NO C
Rema VEGE	TATION - Use scientific names of plants. Li	st all spe	cies in the	plot.	
		Absolute	Dominant		Dominance Test worksheet:
	Stratum	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)
	Picea glauca		✓	FACU	Total Number of Dominant
2.					Species Across All Strata:5 (B)
3.					Percent of dominant Species
4.					That Are OBL, FACW, or FAC: 80.0% (A/B)
5.	T-t-I C	0			Prevalence Index worksheet:
	Total Cover:		of Total Covers		Total % Cover of: Multiply by:
Sapi	ling/Shrub Stratum 50% of Total Cover:	5 20%	of Total Cover:	2	OBL Species <u>24.1</u> x 1 = <u>24.1</u>
1.	Salix richardsonii	15	✓	FACW	FACW Species <u>17</u> x 2 = <u>34</u>
2.	Dasiphora fruticosa	10	✓	FAC	FAC Species <u>29.1</u> x 3 = <u>87.30</u>
3.	Vaccinium uliginosum	10	~	FAC	FACU Species 11 x 4 = 44
4.	Betula nana	8		FAC	UPL Species <u>0</u> x 5 = <u>0</u>
5.	Myrica gale	4		OBL	Column Totals: <u>81.2</u> (A) <u>189.4</u> (B)
6.	Salix pulchra	2		FACW	Prevalence Index = B/A = 2.333
	Vaccinium vitis-idaea	0.1		FAC	
	Empetrum nigrum	0.1		FAC	Hydrophytic Vegetation Indicators:
					✓ Dominance Test is > 50%
10.					✓ Prevalence Index is ≤3.0
<u>Herl</u>	Total Cover: 50% of Total Cover:				Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1	Carex aquatilis			OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
	Rubus arcticus (IAM)			FACU	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Equisetum arvense			FAC	be present, unless disturbed or problematic.
1	Caltha palustris Parnassia palustris	0.1		FACW	Plot size (radius, or length x width)
	·			IACW	% Cover of Wetland Bryophytes
					(Where applicable)
					% Bare Ground 0
					Total Cover of Bryophytes 40
		0			Hydrophytic
	Total Cover:	22.2	_		Vegetation
	50% of Total Cover:		of Total Cover	4.44	Present? Yes No

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SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Matrix

Redox Features

Hydric Soil Indicators: Indicators for Problematic Hydric Soils? Histosol or Histel (A1) Histic Epipedon (A2) Hording Suiffice (A4) Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Gleyed (A14) Alaska Gleyed (A13) Alaska Gleyed	Color (moist) O-16 100 Type: C=Concentration. D=Depletion. RM=Reduced Matrix Location: PL=Pore Lining. RC=Root Channel. M=Matrix Indicators for Problematic Hydric Soils: Hydric Soil Indicators: Histic Epipedon (A2) Histic Epipedon (A2) Histic Epipedon (A2) Hydrogen Sulfide (A4) Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Redox With 2.5Y Hue Thick Dark Surface (A12) Alaska Redox (A14) Alaska Redox (A14) Alaska Gleyed Pores (A15) Restrictive Layer (if present): Type: Active layer Hydric Soil Present? Yes No No	
Type: C=Concentration. D=Depleton. RM=Reduced Matrix 2 Location: PL=Pore Lining, RC=Root Channel. M=Matrix Hydric Soll Indicators: Indicators for Problematic Hydric Solls	¹Type: C=Concentration. D=Depletion. RM=Reduced Matrix ² Location: PL=Pore Lining. RC=Root Channel. M=Matrix Hydric Soil Indicators: Indicators for Problematic Hydric Soils.³ ✓ Histosol or Histel (A1)	
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Type: Active layer Depth (inches): 16 Hydric Soil Present? Yes No	Type: Active layer Depth (inches): 16 Hydric Soil Present? Yes No C	
Primary Indicators (any one is sufficient) Secondary Indicators (two or more are required)	Depth (inches): 16	_
IVDROLOGY)
More	Remarks:	
Wetland Hydrology Indicators: Primary Indicators (any one is sufficient) ✓ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) ✓ Water Marks (B1) ✓ Depth (inches): 0 Wetland Hydrology Indicators (two or more are required) ✓ Water Stained Leaves (B9) ✓ Water Stained Leaves (B9) ✓ Drainage Patterns (B10) ✓ Oxidized Rhizospheres along Living Roots (C3) ✓ Presence of Reduced Iron (C4) ✓ Saturation (A3) ✓ Marl Deposits (B15) ✓ Presence of Reduced Iron (C4) ✓ Sati Deposits (C5) ✓ Stunted or Stressed Plants (D1) ✓ Geomorphic Position (D2) ✓ Shallow Aquitard (D3) ✓ Iron Deposits (B5) ✓ Shallow Aquitard (D3) ✓ Iron Deposits (B6) ✓ FAC-neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): 0		
Primary Indicators (any one is sufficient) Water Stained Leaves (B9)	HYDROLOGY	
✓ Surface Water (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 Marks (B1) ☐ Hydrogen Sulfide Odor (C1) ☐ Salt Deposits (C5) ☐ 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: Surface Water Present? Yes No Depth (inches): 3 Water Table Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Depth (inches): 0 Saturation Present? (includes capillary fringe) Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Depth (inches): 0	Wetland Hydrology Indicators: _Secondary Indicators (two or more are re	required)
✓ 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 Marks (B1) Hydrogen Sulfide Odor (C1) Salt Deposits (C5) 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: Surface Water Present? Yes No Depth (inches): 3 Water Table Present? Yes No Depth (inches): 0 Vestland Hydrology Present? Yes No Depth (inches): 0 Vescribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	Primary Indicators (any one is sufficient) Water Stained Leaves (B9)	
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Water Marks (B1)		Roots (C3)
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□ 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: Surface Water Present? Yes ◎ No ○ Depth (inches): 3 Water Table Present? Yes ◎ No ○ Depth (inches): 0 Saturation Present? Yes ◎ No ○ Depth (inches): 0 Depth (inches): 0 Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:		
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(includes capillary fringe) Yes No Depth (inches): 0 Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:		
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