WETLAND DETERMINATION DATA FORM - Alaska Region

t/Owner: Alaska Energy Authority			-	Sampling Point: SW13_T135_06
101(3). JER		Landform (hill	side, terrac	e, hummocks etc.): Toeslope
		Slope:	% / 3.9	
	l at ·	 62 889755240		Long.: -148.905586839 Datum: NAD83
	Lut	02.009733248	<u>'</u>	NWI classification: PSS1B
-	· · · · · · · · · · · · · · · · · · ·	. O Yes	■ No ○	
	•			(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○
	•	•		
getation, Soil 🖭, or Hydrology	naturally	problematic?	(If nee	ded, explain any answers in Remarks.)
ARY OF FINDINGS - Attach site map sh	owing sa	mpling point	locations	s, transects, important features, etc.
lydrophytic Vegetation Present? Yes No	0			
lydric Soil Present? Yes ● No	\bigcirc			
	\circ	wi	thin a W	etland? Yes ⊙ No ○
, , ,				
FATION -Use scientific names of plants	List all sn	ecies in the	nlot.	
- Goe solentine names of plants.				Dominance Test worksheet:
Stratum			Status	Number of Dominant Species
	0			That are OBL, FACW, or FAC:5(A)
	0			Total Number of Dominant Species Across All Strata: 6 (B)
	_			Percent of dominant Species
	0			That Are OBL, FACW, or FAC: 83.3% (A/B)
	0			Prevalence Index worksheet:
Total Cov	er: <u> </u>	_		Total % Cover of: Multiply by:
ng/Shrub Stratum 50% of Total Cover:	0 20	% of Total Cover:	0	OBL Species0 x 1 =0
Salix pulchra	55	✓	FACW	FACW Species 83 x 2 = 166
Vaccinium vitis-idaea			FAC	FAC Species 81 x 3 = 243
Empetrum nigrum			FAC	FACU Species 22 x 4 = 88
			FAC	UPL Species <u>0</u> x 5 = <u>0</u>
Spiraea stevenii	20	✓	FACU	Column Totals: <u>186</u> (A) <u>497</u> (B)
Salix barclayi	10		FAC	
Salix reticulata	10		FAC	Prevalence Index = B/A = 2.672
	0			Hydrophytic Vegetation Indicators:
	0	_ 📮		✓ Dominance Test is > 50%
	0	_		✓ Prevalence Index is ≤3.0
				Morphological Adaptations ¹ (Provide supporting data in
ocracum .		0% of Total Cover		Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
		_		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
•				be present, unless disturbed of problematic.
Valoriana conitata				Plot size (radius, or length x width) <u>10m</u>
'				% Cover of Wetland Bryophytes
				(Where applicable)
Fostuca altaica		-		% Bare Ground
		-		Total Cover of Bryophytes
•			FACW	Undrankskia
Total Cove	er: 61	_		Hydrophytic Vegetation
		– % of Total Cover:		Present? Yes • No O
	On: Southcentral Alaska Unit Name: atic/hydrologic conditions on the site typical for this getation	Don: Southcentral Alaska Unit Name:	an: Southcentral Alaska Lat:: 62.889755245 Junit Name: atic/hydrologic conditions on the site typical for this time of year? Yes getation	no: Southcentral Alaska Lat: 62.889755249 Lutit Name: atic/hydrologic conditions on the site typical for this time of year? Yes No ogetation

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SOIL Sampling Point: SW13 T135 06

Profile Description: (Description:	ibe to the depth n Matrix	eeded to docume	ent the indicato	r or confirm the ab Redox Feat		ators)		
Depth (inches) Colo	r (moist)	%	Color (moist)) %	Type ¹	Loc ²	Texture	Remarks
0-3		100					Fibric Organics	
3-16 10Y	3/2	95	5YR	3/4 5	C	PL	Sandy Loam	w gravels
				<u> </u>			-	
¹Type: C=Concentration	n. D=Depletion	n. RM=Reduced	d Matrix ² Lo	ocation: PL=Por	e Lining. RC	=Root Cha	annel. M=Matrix	
Hydric Soil Indicator	s:		Indicators	for Problemati	c Hydric So	oils:		
Histosol or Histel (A	1)		Alaska Co	olor Change (TA	4 4)		Alaska Gleyed Without H	ue 5Y or Redder
Histic Epipedon (A2)		🗌 Alaska Al	pine swales (TA	5)		Underlying Layer	
✓ Hydrogen Sulfide (· \4)		🗌 Alaska Re	edox With 2.5Y I	Hue	✓	Other (Explain in Remark	ss)
☐ Thick Dark Surface	(A12)		_					
Alaska Gleyed (A13)			itor of hydrophy ropriate landsca			mary indicator of wetland hesent	ydrology,
Alaska Redox (A14)				·	•	·	cocine	
Alaska Gleyed Pore	s (A15)		4 Give detail	ls of color chang	e in Remark	S		
Restrictive Layer (if pres	ent):							
Type: frost							Hydric Soil Present	? Yes 💿 No 🔾
Depth (inches): 16								
HYDROLOGY								
HYDROLOGY Wetland Hydrology I	ndicators:						Secondary Indi	cators (two or more are required)
		nt)						cators (two or more are required)_ ned Leaves (B9)
Wetland Hydrology I Primary Indicators (any Surface Water (A1	one is sufficien	nt)		tion Visible on A	_		☐ Water Stair ✓ Drainage P	ned Leaves (B9) Patterns (B10)
Primary Indicators (any Surface Water (A1 High Water Table (one is sufficien	nt)	Sparse	ly Vegetated Co	_		☐ Water Stain ☑ Drainage P ☐ Oxidized R	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3)
Primary Indicators (any Surface Water (A1 High Water Table (Saturation (A3)	one is sufficien	nt)	Sparse Marl De	ly Vegetated Cor eposits (B15)	ncave Surfac		Water Stain ✓ Drainage P Oxidized R ✓ Presence o	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4)
Wetland Hydrology I Primary Indicators (any Surface Water (A1 ✓ High Water Table ✓ Saturation (A3) Water Marks (B1)	one is sufficien) A2)	nt)	Sparsel Marl De Hydrog	ly Vegetated Co eposits (B15) Jen Sulfide Odor	ncave Surfac		Water Stail ✓ Drainage P Oxidized R ✓ Presence o Salt Depos	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) its (C5)
Wetland Hydrology I Primary Indicators (any Surface Water (A1 ✓ High Water Table ✓ Saturation (A3) Water Marks (B1) Sediment Deposits	one is sufficien A2) (B2)	nt)	☐ Sparse ☐ Marl De ☑ Hydrog ☐ Dry-Se	ly Vegetated Col eposits (B15) Jen Sulfide Odor ason Water Tabl	ncave Surfac (C1) le (C2)		Water Stail ✓ Drainage P Oxidized R ✓ Presence o Salt Depos Stunted or	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) its (C5) Stressed Plants (D1)
Primary Indicators (any Surface Water (A1 ✓ High Water Table ✓ Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3)	one is sufficien A2) (B2)	nt)	☐ Sparse ☐ Marl De ☑ Hydrog ☐ Dry-Se	ly Vegetated Co eposits (B15) Jen Sulfide Odor	ncave Surfac (C1) le (C2)		Water Stain ✓ Drainage P Oxidized R ✓ Presence o Salt Depos Stunted or ✓ Geomorphi	Patterns (B10) Patterns (B10) Patterns (B10) Patterns (B10) Patterns (B10) Patterns (C3) Patterns (C4) Patterns (C4) Patterns (C5) Patterns (C4) Patterns (C5) Patterns (C4) Patterns (C5) Patterns (C
Primary Indicators (any Surface Water (A1 High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust	one is sufficien A2) (B2)	nt)	☐ Sparse ☐ Marl De ☑ Hydrog ☐ Dry-Se	ly Vegetated Col eposits (B15) Jen Sulfide Odor ason Water Tabl	ncave Surfac (C1) le (C2)		Water Stain ✓ Drainage P Oxidized R ✓ Presence o Salt Depos Stunted or ✓ Geomorphi ✓ Shallow Ag	hed Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hits (C5) Stressed Plants (D1) hic Position (D2) higher along the property of the prop
Wetland Hydrology I Primary Indicators (any Surface Water (A1 ✓ High Water Table (✓) Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Drift Deposits (B3) Algal Mat or Crust Iron Deposits (B5)	one is sufficien (A2) (B2) (B4)	nt)	☐ Sparse ☐ Marl De ☑ Hydrog ☐ Dry-Se	ly Vegetated Col eposits (B15) Jen Sulfide Odor ason Water Tabl	ncave Surfac (C1) le (C2)		Water Stain ✓ Drainage F ○ Oxidized R ✓ Presence o Salt Depos Stunted or ✓ Geomorphi ✓ Shallow Ad Microtopog	red Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) its (C5) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4)
Primary Indicators (any Surface Water (A1 ✓ High Water Table (✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust Iron Deposits (B5) Surface Soil Cracks	one is sufficien (A2) (B2) (B4)	nt)	☐ Sparse ☐ Marl De ☑ Hydrog ☐ Dry-Se	ly Vegetated Col eposits (B15) Jen Sulfide Odor ason Water Tabl	ncave Surfac (C1) le (C2)		Water Stain ✓ Drainage P Oxidized R ✓ Presence o Salt Depos Stunted or ✓ Geomorphi ✓ Shallow Ag	red Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) its (C5) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4)
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