WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority						
				Sampling Point: SW13_T165_05		
Investigator(s): CTS, AMD	L	andform (hills	side, terrac	e, hummocks etc.): Hillside		
Local relief (concave, convex, none): flat		Slope: 8.7				
	at : 6	3.387278199		Long.: -148.513722062 Datum: WGS84		
Soil Map Unit Name:	u <u>U</u>	3.301210199		NWI classification: Upland		
Are climatic/hydrologic conditions on the site typical for this time of		Voc	No ○	(If no, explain in Remarks.)		
Are Vegetation , Soil , or Hydrology significant size significant size size in the size of	cantly ally pro	disturbed? blematic?	Are "N (If nee	ormal Circumstances" present? Yes No O		
Hydrophytic Vegetation Present? Yes No No		le ·	the Sam	nled Δrea		
Hydric Soil Present? Yes No •			the Sampled Area thin a Wetland? Yes ○ No ●			
Wetland Hydrology Present? Yes ○ No ●		441	umi a vv	etiana:		
VEGETATION - Use scientific names of plants. List al	l spec			Dominance Test worksheet:		
	over	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)		
1. Picea glauca	10	✓	FACU	That are OBL, FACW, or FAC: (A) Total Number of Dominant		
2	0			Species Across All Strata: 4 (B)		
3	0			Percent of dominant Species		
4.	0			That Are OBL, FACW, or FAC: 50.0% (A/B)		
5	0			Prevalence Index worksheet:		
	10			Total % Cover of: Multiply by:		
Sapling/Shrub Stratum 50% of Total Cover: 5	20% c	of Total Cover:	2	OBL Species x 1 =0		
Alnus viridis ssp. crispa	90	✓	FAC	FACW Species 0 x 2 = 0		
2. Vaccinium uliginosum	35	✓	FAC	FAC Species 146 x 3 = 438		
3. Spiraea stevenii	10		FACU	FACU Species <u>53</u> x 4 = <u>212</u>		
4. Ribes triste	8		FAC	UPL Species <u>0</u> x 5 = <u>0</u>		
5. Vaccinium vitis-idaea	4		FAC	Column Totals: <u>199</u> (A) <u>650</u> (B)		
6. Picea glauca	2		FACU	Prevalence Index = B/A = 3.266		
7. Betula nana	1		FAC			
8	0			Hydrophytic Vegetation Indicators:		
9 10.	0			Dominance Test is > 50%		
	150			Prevalence Index is ≤3.0		
Herb Stratum 50% of Total Cover: 75		of Total Cover:	: 30	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
Spinulum annotinum	30	✓	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)		
Polemonium acutiflorum	5		FAC	¹ Indicators of hydric soil and wetland hydrology must		
3. Calamagrostis canadensis	3		FAC	be present, unless disturbed or problematic.		
4. Sagina decumbens	1		FACU	Plot size (radius, or length x width) 10m		
5.	0			Plot size (radius, or length x width) 10m Cover of Wetland Bryophytes		
6	0			(Where applicable)		
7	0			% Bare Ground		
8	0			Total Cover of Bryophytes 40		
9.	0					
Total Course	0			Hydrophytic		
Total Cover:	39 20% c	of Total Cover	7.8	Vegetation Present? Yes ○ No ●		
30,0 01 10tal cover. <u>19.5</u>	_5/00	otal covel.		<u> </u>		

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SOIL Sampling Point: SW13_T165_05

(inches) 0-6		-:-+\	0/	Calas (maint)	0/ T.	pe ¹ Loc ²	Texture	Remarks
	Color (m	oist)	<u>%</u>	Color (moist)	<u>%</u> <u>Ty</u>	pe <u>Loc</u>	Fibric Organics	Kemarks
6-8	2.5Y	4/2	100				Sandy Loam	_
8-9	7.5YR	3/3	100				Sandy Loam	_
9-17	2.5Y						Sandy Loam	dence alocial till
9-17	2.51	5/2					Salidy Loalii	dense glacial till
							-	_
							-	_
								_
Type: C=Conce	ntration. D	=Depletion	າ. RM=Reduce	ed Matrix ² Locatio	n: PL=Pore Lini	ng. RC=Root Cha	annel. M=Matrix	
lydric Soil Indi	icators:			Indicators for P	roblematic Hyd	dric Soils: ³		
Histosol or Hi	istel (A1)			Alaska Color C			Alaska Gleyed Without	Hue 5Y or Redder
Histic Epiped	on (A2)			Alaska Alpine			Underlying Layer	1.3
∐ Hydrogen Su	. ,			☐ Alaska Redox	With 2.5Y Hue		Other (Explain in Rema	rks)
☐ Thick Dark S	•	2)		³ One indicator of	f hydrophytic ved	getation, one prir	mary indicator of wetland	hydrology,
 Alaska Gleyed Alaska Redox				and an appropria				
Alaska Gleyed	,	.5)		4 Give details of o	color change in R	temarks		
	•							
estrictive Layer (Type:	ii presenc)	•					Hydric Soil Presen	t? Yes ○ No •
Depth (inches	٥٠.						nyunc son Presen	ti les 🔾 No 🔾
emarks:								
hydric soil indi	icators							
hydric soil indi	icators							
hydric soil indi								
	Y	ators:					_Secondary Inc	dicators (two or more are required)
YDROLOG	Y ogy Indic		ıt)					dicators (two or more are required) ained Leaves (B9)
YDROLOG etland Hydrol	Y ogy Indic		nt)	Inundation \	visible on Aerial 1	Imagery (B7)	Water St	ained Leaves (B9) Patterns (B10)
YDROLOG Yetland Hydrol rimary Indicator Surface Wate	Y ogy Indic s (any one er (A1) Table (A2)		nt)	Sparsely Veg	getated Concave		Water St. Drainage Oxidized	ained Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3
YDROLOG Yetland Hydrol rimary Indicator Surface Wate High Water Saturation (A	Y ogy Indicates (any one er (A1) Table (A2) A3)		nt)	Sparsely Veg	getated Concave ts (B15)		Water St Drainage Oxidized Presence	ained Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3 of Reduced Iron (C4)
YDROLOG Yetland Hydrol rimary Indicator Surface Wate High Water Saturation (A Water Marks	Y ogy Indicates (any one er (A1) Table (A2) A3) is (B1)	is sufficier	nt)	Sparsely Veg Marl Deposit Hydrogen St	getated Concave ts (B15) ulfide Odor (C1)	Surface (B8)	Water St. Drainage Oxidized Presence Salt Depo	ained Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3 of Reduced Iron (C4) osits (C5)
YDROLOG Yetland Hydrol rimary Indicator Surface Wate High Water Saturation (A Water Marks Sediment De	Y ogy Indicates (any one er (A1) Table (A2) A3) s (B1) eposits (B2)	is sufficier	nt)	Sparsely Veg Marl Deposit Hydrogen St Dry-Season	getated Concave ts (B15) ulfide Odor (C1) Water Table (C2	Surface (B8)	Water St. Drainage Oxidized Presence Salt Depo	ained Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3 of Reduced Iron (C4) osits (C5) or Stressed Plants (D1)
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