WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Investigator(s): Local relief (concav Subregion: South	Alaska Energy Authority WAD, BAB				Complian Daints CMAR TARA CO
Local relief (concav	NAD, BAB				Sampling Point: SW13_T134_08
·			Landform (hill	side, terrac	e, hummocks etc.): Hillside
Subregion South	re, convex, none): hummocky		Slope: 5.2	% / 3.0	Elevation: 792
	central Alaska	Lat.:	62.690354347	·	Long.:148.761779189
Soil Map Unit Name	2:	_			NWI classification: Upland
Are Vegetation Are Vegetation	☐ , Soil ☐ , or Hydrology ☐ FINDINGS - Attach site map sho	significantly naturally proposition	y disturbed? roblematic?	(If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes No Oeded, explain any answers in Remarks.) Iormal Circumstances" present? Yes No Oeded, explain any answers in Remarks.)
Hydric Soil Wetland Hy	Vegetation Present? Yes ● No ○ Present? Yes ● No ○ drology Present? Yes ● No ○ time 1800 photo num 1107,1108	•		the Sam thin a W	pled Area etland? Yes ○ No ●
/EGETATION	·Use scientific names of plants. L	ist all spe	ecies in the	plot.	
		Absolute	Dominant		Dominance Test worksheet:
Tree Stratum 1.		% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC:3 (A)
-					Total Number of Dominant
2		^			Species Across All Strata: 3 (B)
4					Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
5.					
	Total Cove	r: <u>0</u>	_		Prevalence Index worksheet: Total % Cover of: Multiply by:
Sapling/Shrub S	tratum 50% of Total Cover:	0 20%	of Total Cover:	0	OBL Species 0.1 x 1 = 0.1
Betula nana		45	✓	FAC	FACW Species 21 x 2 = 42
Ledum dec	umbana		✓	FACW	FAC Species 56 x 3 = 168
3. Spiraea ste				FACU	FACU Species 6 x 4 = 24
4. Vaccinium				FAC	UPL Species 0 x 5 = 0
5. Empetrum	•	5		FAC	Column Totals: <u>83.1</u> (A) <u>234.1</u> (B)
6. Picea glaud	ea	1		FACU	
7. Salix fusce		1		FACW	Prevalence Index = B/A = 2.817
8. Vaccinium	vitis-idaea	1		FAC	Hydrophytic Vegetation Indicators:
9		0			✓ Dominance Test is > 50%
10		0			✓ Prevalence Index is ≤3.0
Herb Stratum	Total Cove 50% of Total Cover: _		6 of Total Cover	: 16.6	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
Carex limo	sa	0.1	✓	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
		0			Indicators of hydric soil and wetland hydrology must
					be present, unless disturbed or problematic.
					Plot size (radius, or length x width)
					% Cover of Wetland Bryophytes
					(Where applicable)
					% Bare Ground Total Cover of Bryophytes
					Total cover or bryophlytes
					Hydrophytic
	Total Cove	r: <u>0.1</u>			Vegetation
	50% of Total Cover:	-	of Total Cover:	0.02	Present? Yes No

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SOIL Sampling Point: SW13_T134_08

Depth ——— (inches) Col	Matrix			edox Feature	nce of indicat es	ors)		
	or (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2							Hemic Organics	
2-7 7.5	/R 3/3	100					Loamy Sand	80% subang coarse fragments
7-12 2.5	/R 2.5/1	100					Sand	75% subang coarse fragments
								•
							-	
Type: C=Concentrati	on. D=Depletion		I Matrix ² Locatio		ining, RC=	Root Cha	nnel. M=Matrix	
Hydric Soil Indicato			Indicators for P		_		inici i i iddix	
Histosol or Histel ([Alaska Color (4	1		Alaska Gleyed Without H	ue 5Y or Redder
Histic Epipedon (A	•	[Alaska Alpine				Underlying Layer	ac 5 : 6: Reade.
Hydrogen Sulfide	-	[Alaska Redox	, ,	e		Other (Explain in Remarl	(S)
☐ Thick Dark Surface	. ,							
Alaska Gleyed (A1	. ,		³ One indicator of and an appropria				nary indicator of wetland h	nydrology,
Alaska Redox (A14	+)			•		ust be pre	ESCIT	
Alaska Gleyed Pore	es (A15)		⁴ Give details of	color change i	in Remarks			
Restrictive Layer (if pre	sent):							
Type:							Hydric Soil Present	? Yes ○ No •
Depth (inches):								
HYDROLOGY								
Wetland Hydrology								cators (two or more are required)
Wetland Hydrology I	y one is sufficier	nt)					Water Stai	ned Leaves (B9)
Wetland Hydrology I Primary Indicators (an Surface Water (A)	y one is sufficier 1)	nt)		Visible on Aeri			Water Stai	ned Leaves (B9) Patterns (B10)
Wetland Hydrology I Primary Indicators (an Surface Water (A: High Water Table	y one is sufficier 1)	nt)	Sparsely Ve	getated Conca			Water Stai Drainage F Oxidized R	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3)
Wetland Hydrology I Primary Indicators (an Surface Water (A: High Water Table Saturation (A3)	y one is sufficier L) (A2)	nt)	Sparsely Ve	getated Conca ts (B15)	ave Surface		Water Stai Drainage F Oxidized R Presence of	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4)
Wetland Hydrology I Primary Indicators (an Surface Water (Al High Water Table Saturation (A3) Water Marks (B1)	y one is sufficier L) (A2)	nt)	Sparsely Ve Marl Deposi Hydrogen S	getated Conca ts (B15) ulfide Odor (C	ave Surface		Water Stai Drainage F Oxidized R Presence C Salt Depos	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5)
Wetland Hydrology I Primary Indicators (an Surface Water (A: High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit	y one is sufficiently (A2) (S (B2)	nt)	Sparsely Ve Marl Deposi Hydrogen S Dry-Season	getated Conca ts (B15) ulfide Odor (C Water Table (ave Surface		Water Stai Drainage F Oxidized R Presence c Salt Depos	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) Stressed Plants (D1)
Primary Indicators (an Surface Water (A: High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3)	y one is sufficien (A2) (B2) (B2)	nt)	Sparsely Ve Marl Deposi Hydrogen S Dry-Season	getated Conca ts (B15) ulfide Odor (C	ave Surface		Water Stai Drainage F Oxidized R Presence o Salt Depos Stunted or Geomorph	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hists (C5) Stressed Plants (D1) ic Position (D2)
Wetland Hydrology I Primary Indicators (an Surface Water (A: High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit	y one is sufficient.) (A2) s (B2)) (B4)	nt)	Sparsely Ve Marl Deposi Hydrogen S Dry-Season	getated Conca ts (B15) ulfide Odor (C Water Table (ave Surface		Water Stai Drainage F Oxidized R Presence of Salt Depos Stunted or Geomorph Shallow Ac	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) Stressed Plants (D1)
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