WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority nvestigator(s): BAB Local relief (concave, convex, none): Subregion: Interior Alaska Mountains Lat		andform (hill:	nido torroo	Sampling Point: SW15_T304_07			
ocal relief (concave, convex, none): hummocky		andform (hill:	nido torroo	1 1 1			
			side, lerraci	ce, hummocks etc.): Hillside			
ubregion: Interior Alaska Mountains Lat	S	lope: 7.0	% / 4.0	° Elevation:			
	 t.:			Long.: Datum: WGS84			
bil Map Unit Name:				NWI classification: PFO4B			
re climatic/hydrologic conditions on the site typical for this time of y	vear?	Yes	No ○	(If no, explain in Remarks.)			
Are Vegetation , Soil , or Hydrology significant si	antly d ly prob	listurbed? plematic?	Are "No	ormal Circumstances" present? Yes No Oded, explain any answers in Remarks.)			
Hydrophytic Vegetation Present? Yes No	In the Compled Area						
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No						
Wetland Hydrology Present? Yes ● No ○	WI	within a Wetland? Yes ● No ○					
Remarks:							
EGETATION - Use scientific names of plants. List all	ute	Dominant	Indicator	Dominance Test worksheet:			
Tree Stratum % Co		Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC:4 (A)			
1. Picea mariana 30	0		FACW	Total Number of Dominant			
3.	_			Species Across All Strata: 4 (B)			
4.	_			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/E			
5.							
	80			Prevalence Index worksheet: Total % Cover of: Multiply by:			
		Total Cover:	6	OBL Species $0 \times 1 = 0$			
	20	✓		FACW Species 50 x 2 = 100			
2 Vaccinium uliginosum	20 35	✓	FACW FAC	FAC Species			
2	10		FAC	FACU Species 0 x 4 = 0			
,	5		FAC	UPL Species 0 x 5 = 0			
	0			Column Totals: 105 (A) 265 (
	0						
	0			Prevalence Index = B/A = 2.524			
8.	0			Hydrophytic Vegetation Indicators:			
9	0			✓ Dominance Test is > 50%			
	0			✓ Prevalence Index is ≤3.0			
Total Cover:7 Herb Stratum 50% of Total Cover:35			:14	Morphological Adaptations (Provide supporting data i Remarks or on a separate sheet)			
	5		FAC	Problematic Hydrophytic Vegetation (Explain)			
	0			¹ Indicators of hydric soil and wetland hydrology must			
J	0			be present, unless disturbed or problematic.			
T	0			Plot size (radius, or length x width) <u>10m</u>			
v	0			% Cover of Wetland Bryophytes			
0.	0			(Where applicable)			
··	0			% Bare Ground 10			
·	0			Total Cover of Bryophytes85			
9	0			Hydrophytic			
Total Cover:		Vegetation					
50% of Total Cover: 2.5		Total Cover:	1	Present? Yes No			

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SOIL Sampling Point: SW15_T304_07

JUIL									Samping	Point: 3W15_13U4_U/					
Profile Description	on: (Describe to t	•	eded to docu	ment the inc				ators)							
Depth Matrix (inches) Color (moist)					ox Features		2	Texture	Remarks						
0-3.5	Color (moi	st)	<u></u>	Color (n	noist)	<u>%</u>	Type ¹	_Loc_2	Fibric Organics	Remarks					
3.5-4									Hemic Organics	inclusions of tephra					
4-5.5						-			Sapric organics						
5.5-11		4/3	–	7.5YR	4/3	30			Sandy Loam						
11-15	10YR	3/2	80	2.5Y	5/2	20	·	PL	Sandy Clay Loam	cryoturbated mineral, platey structure					
									Sunay Guy Esum						
15-18	5Y	5/2		10YR	4/6	25	C	PL		densic till,					
									-						
¹Type: C=Con	centration. D=	Depletion.	RM=Reduc	ced Matrix	² Location:	PL=Pore	Lining. RC	=Root Cha	nnel. M=Matrix						
Hydric Soil Ir	ndicators:			Indicat	ors for Pro	blematic	Hydric Sc	oils: ³							
	Histel (A1)				ka Color Cha		4		Alaska Gleyed Without Hue 5Y or Redder						
Histic Epip	edon (A2)			Alaska Alpine swales (TA5)					Underlying Layer						
Hydrogen	Sulfide (A4)			Alaska Redox With 2.5Y Hue					Other (Explain in Remarks)						
	Surface (A12)			3 ∩ne i	ndicator of h	vdronhyt	ic vegetatio	n one prin	mary indicator of wetland h	ovdrology					
Alaska Gle				and an	appropriate	landscap	e position n	nust be pro	esent	iydi ology,					
✓ Alaska Red	` '	`		4 Give	details of col	or change	e in Remark	S							
Alaska Gle	yed Pores (A15)													
Restrictive Laye															
	ly clay loam, de	ensic till							Hydric Soil Present	? Yes • No O					
Depth (inch	es): 11, 15														
Alaska Redux (A	(14) illulcators	begiii widi	11 12111 01 1	illilerai soi	i surface. III	iii lei ai iay	ers above u	ie 13-16iii	layer either have Chroma	2 or less, or are less than 6in thick.					
HYDROLO	GY														
Wetland Hydr									Secondary Indicators (two or more are required)						
Primary Indicat		sufficient)						Water Stained Leaves (B9)						
	urface Water (A1) Inundation Visible on														
Saturation	er Table (A2)	Sparsely Vegetated Concave Surface (B8)					Oxidized Rhizospheres along Living Roots (C3)Presence of Reduced Iron (C4)								
Water Mai	` '	☐ Marl Deposits (B15)☐ Hydrogen Sulfide Odor (C1)					Salt Deposits (C5)								
	ment Deposits (B2)									Stressed Plants (D1)					
☐ Drift Depo					her (Explain		` '		Geomorphic Position (D2)						
Algal Mat	or Crust (B4)						✓ Shallow Ac	quitard (D3)							
Iron Depo	sits (B5)								Microtopographic Relief (D4)						
Surface So	oil Cracks (B6)							1	✓ FAC-neutra	al Test (D5)					
Field Observa			(2)												
Surface Water	Present?	_	No 🏵	De	epth (inches):									
Water Table P			No 💿	De	epth (inches):		Wetla	nd Hydrology Presen	it? Yes No					
Saturation Pre (includes capil		Yes O	No •	De	epth (inches):									
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:															
Remarks:															

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