WETLAND DETERMINATION DATA FORM - Alaska Region

Applicar Investig	t/Owner: Alaska Energy Authority						
nvestig					Sampling Point: SW13_T108_02		
	()		Landform (hillside, terrace, hummocks etc.): Shoulder slope				
Local re	lief (concave, convex, none):convex		Slope: 7.0 % / 4.0 ° Elevation: 720				
Subregi	on : Interior Alaska Mountains	Lat.:	62.88130879	4	Long.:148.252247214		
Soil Mar	Unit Name:				NWI classification: Upland		
Are Ve		significantl naturally p	ly disturbed? roblematic?	(If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.) s, transects, important features, etc.		
1	Hydrophytic Vegetation Present? Yes No Aydric Soil Present? Yes No Aveland Hydrology Present? Yes No Arks: stob w closed patches, ds understory closed			the Sam ithin a W	ppled Area /etland? Yes ○ No ●		
/EGE	FATION -Use scientific names of plants. L	ist all spe	ecies in the	plot.			
		Absolute	Dominant	Indicator	Dominance Test worksheet:		
	Stratum	% Cover		Status	Number of Dominant Species That are OBL, FACW, or FAC: 5 (A)		
1.		0			Total Number of Dominant		
2		0	. 📙		Species Across All Strata:6(B)		
3		0			Percent of dominant Species		
4.		0			That Are OBL, FACW, or FAC: 83.3% (A/B)		
5.	Total Cover	- 0 r: 0			Prevalence Index worksheet: Total % Cover of: Multiply by:		
Sapl	ng/Shrub Stratum 50% of Total Cover:	0 20%	6 of Total Cover	:0	OBL Species0 x 1 =0		
1.	Ledum decumbens	70	✓	FACW	FACW Species 70 x 2 = 140		
	Betula nana	- — 55	· •	FAC	FAC Species <u>136</u> x 3 = <u>408</u>		
3.	Vaccinium uliginosum	45	✓	FAC	FACU Species <u>3</u> x 4 = <u>12</u>		
4.	Vaccinium vitis-idaea	15		FAC	UPL Species <u>0</u> x 5 = <u>0</u>		
5.	Betula glandulosa	10		FAC	Column Totals: <u>209</u> (A) <u>560</u> (B)		
6.	Empetrum nigrum	5	. \square	FAC			
7	Betula occidentalis	1	. \square	FAC	Prevalence Index = B/A = 2.679		
8	Picea glauca	0.1	. 📙	FACU	Hydrophytic Vegetation Indicators:		
9		0			✓ Dominance Test is > 50%		
10		0	. \square		✓ Prevalence Index is ≤3.0		
Herb	Stratum 50% of Total Cover: _	r: <u>40.22</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)				
1.	Carex bigelowii	3	V	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)		
2	Cornus canadensis	2		FACU	¹ Indicators of hydric soil and wetland hydrology must		
J	Cornus suecica		. 💆	FAC	be present, unless disturbed or problematic.		
-	Spinulum annotinum	_		FACU	Plot size (radius, or length x width)		
			. 📙		% Cover of Wetland Bryophytes		
					(Where applicable)		
					% Bare Ground		
					Total Cover of Bryophytes60		
		0			Hydronbytic		
10.	Total Cover		_		Hydrophytic Vegetation		
	50% of Total Cover:		6 of Total Cover	:1.6	Present? Yes No		

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SOIL Sampling Point: SW13_T108_02

Profile Descripti		the depth no	eeded to docu	ment the indicator or co	nfirm the ab		ators)					
Depth (inches)							_Loc_2	Texture	Remarks			
0-5	Color (mo	ist)	<u>%</u> _	Color (moist)	<u>%</u>	Type ¹	LOC	Fibric Organics	Remarks			
	10\/D	3/2			-			Loamy Sand				
5-10	10YR	3/2										
10-15	10YR	3/6			- ——			Loamy Sand				
15-22	5YR	2.5/2	100					Sand				
-					-							
-												
¹Type: C=Cor	ncentration. D	=Depletion	ı. RM=Reduc	ced Matrix ² Location	ı: PL=Por	e Lining. RC	=Root Cha	nnel. M=Matrix				
Hydric Soil I	Hydric Soil Indicators: Indicators for Problematic Hydric Soils: ³											
Histosol or	r Histel (A1)			Alaska Color Ch	nange (TA	4) ⁴		Alaska Gleyed Without Hu	ue 5Y or Redder			
Histic Epip	edon (A2)			Alaska Alpine s	wales (TA	5)	Underlying Layer					
Hydrogen	Sulfide (A4)			Alaska Redox V	Vith 2.5Y H	lue		Other (Explain in Remark	s)			
Thick Dark	Surface (A12)		3 O : - ti-dianton of	The state of the state of	···totio		1 - 41 - store of westland b	1.1			
Alaska Gle	, , ,			 One indicator of and an appropriat 	hydropnyt e landscar	ic vegetation r	n, one priii nust be pre	nary indicator of wetland h	ydrology,			
Alaska Red				4 Give details of co								
☐ Alaska Gle	yed Pores (A1	5)		*GIVE GETAILS OF CO	JIOI Chang	e III Keiliai k	iS					
Restrictive Laye	er (if present):											
Type: fros								Hydric Soil Present?	? Yes ○ No •			
Depth (inch	nes): 24											
HYDROLO	GY											
Wetland Hydi	rology Indica	ators:						Secondary Indic	cators (two or more are required)			
Primary Indica	tors (any one	is sufficien	it)					Water Stained Leaves (B9)				
Surface W	/ater (A1)			☐ Inundation Visible on Aerial Imagery (B7)				Drainage P	atterns (B10)			
High Water Table (A2)			Sparsely Vegetated Concave Surface (B8)				Oxidized R	nizospheres along Living Roots (C3)				
Saturation (A3)				Marl Deposits (B15)					f Reduced Iron (C4)			
☐ Water Ma				Hydrogen Su				Salt Deposi				
	Sediment Deposits (B2)								Stressed Plants (D1)			
☐ Drift Depo				Uther (Explai	n in Rema	rks)			c Position (D2)			
☐ Algai Mat	or Crust (B4)							✓ Shallow Aq	uitard (D3) raphic Relief (D4)			
	oil Cracks (B6)							FAC-neutra				
Field Observa		-						FAC-fleutia	r rest (D3)			
Surface Water		Yes C	No ●	Depth (inche	·s)·							
			No •	, ,	•		Wotla	nd Hydrology Present	t? Yes ○ No •			
Water Table P Saturation Pre				Depth (inche	:s):		Wetiai	ilu nyulology Pleseli	tr res C NO S			
(includes capi		Yes 🤇	○ No ⊙	Depth (inche	s):							
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:												
Remarks:		-	-		-	-						

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