## WETLAND DETERMINATION DATA FORM - Alaska Region

Investiga	t/Owner: Alaska Energy Authority ator(s): BAB					Sampling Point: SW13_T173_08
Investiga						
Ū	B, E		L	andform (hill	side, terrac	e, hummocks etc.): Footslope
	lief (concave, convex, none): undulating			Slope:		5 ° Elevation: 103
Cubroaic	· · · · · · · · · · · · · · · · · · ·			· —		
_	n: Interior Alaska Mountains		ai <u>b</u>	3.165124483	38	
	Unit Name:				<u> </u>	NWI classification: PSS1B
Are Ve	atic/hydrologic conditions on the site typical for this getation  , Soil  , or Hydrology  , getation  , Soil  , or Hydrology  , or Hydrology	signif natur owing	icantly ally pro	disturbed?	(If nee	(If no, explain in Remarks.) formal Circumstances" present? Yes • No odded, explain any answers in Remarks.) s, transects, important features, etc.
Н	lydrophytic Vegetation Present? Yes  No			le	the Sam	pled Area
H	lydric Soil Present? Yes  No				thin a W	-
V Remark	Vetland Hydrology Present? Yes   No	<u> </u>		W	uiiii a vv	etialiu? 165 s No s
VEGE1	<b>FATION</b> -Use scientific names of plants.		l spec	cies in the	•	Dominance Test worksheet:
Tree	Stratum		Cover	Species?	Status	Number of Dominant Species
1.			0			That are OBL, FACW, or FAC:5(A)
2.			0			Total Number of Dominant Species Across All Strata: 5 (B)
3.			0			Percent of dominant Species
4.			0			That Are OBL, FACW, or FAC: 100.0% (A/B)
5.			0			Prevalence Index worksheet:
	Total Cov	er: _	0			Total % Cover of: Multiply by:
Sapli	ng/Shrub Stratum 50% of Total Cover:	0	20% (	of Total Cover:	0	OBL Species 0 x 1 = 0
1 1	Empetrum nigrum		10		FAC	FACW Species 70 x 2 = 140
_	Linnaea borealis	_	0.1		FACU	FAC Species 93 x 3 = 279
_	Salix barclayi	_	20	<b>~</b>	FAC	FACU Species 0.1 x 4 = 0.400
_	Vaccinium vitis-idaea	_	4		FAC	UPL Species 1 x 5 = 5
_	Poliv nulohro	_	50	<b>~</b>	FACW	
6.			0			Column Totals: <u>164.1</u> (A) <u>424.4</u> (B)
7.			0			Prevalence Index = B/A = 2.586
8.		_	0			Hydrophytic Vegetation Indicators:
9.		_	0			✓ Dominance Test is > 50%
10.			0			✓ Prevalence Index is ≤3.0
Herb	Total Cover: 50% of Total Cover:	_	84.1 20%	of Total Cover	16.82	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
1. (	Cornus suecica		20	<b>✓</b>	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
2. I	Equisetum arvense		15	<b>✓</b>	FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
3.	Sanguisorba canadensis	_	10		FACW	be present, unless disturbed or problematic.
4. I	Petasites frigidus	_	5		FACW	Plot size (radius, or length x width) 10m
5. I	Luzula parviflora	_	3		FAC	Plot size (radius, or length x width)
6. <u>/</u>	Aconitum delphiniifolium	_	3		FAC	(Where applicable)
7. <u>I</u>	Polemonium pulcherrimum	_	1		UPL	% Bare Ground
_	Calamagrostis canadensis	_	3		FAC	Total Cover of Bryophytes5
_	Rubus chamaemorus	_	5		FACW	
100	Carex bigelowii	_	15	✓	FAC	Hydrophytic
	<b>Total Cove</b> 50% of Total Cover: _	er: 	80 20% (	of Total Cover	16	Vegetation Present? Yes ● No ○

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SOIL Sampling Point: SW13\_T173\_08

Profile Descript	tion: (Describe to	the depth nee	eded to docum	ent the indic	ator or conf	irm the ab	sence of indic	ators)		
Depth		Matrix				x Featu			-	
(inches)	Color (mo	oist)	%	Color (mo	ist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-3			100						Fibric Organics	
3-10			100			-			Hemic Organics	
10-13	5Y	4/1	80	10YR	4/4	20	С	PL	Sandy Clay Loam	
						-				
								-	P	
¹Type: C=Co	ncentration. D	=Depletion.	RM=Reduce	d Matrix <sup>2</sup>	Location:	PL=Por	e Lining. RC	=Root Cha	nnel. M=Matrix	
Hydric Soil I	indicators:			Indicator	rs for Pro	blematio	Hydric So	oils: <sup>3</sup>		
Histosol o	r Histel (A1)			Alaska	Color Cha	nge (TA	<b>4</b>		Alaska Gleyed Without Hu	e 5Y or Redder
✓ Histic Epi	pedon (A2)				Alpine sw	•	•		Underlying Layer	
	Sulfide (A4)			Alaska	Redox Wi	th 2.5Y F	lue		Other (Explain in Remarks	5)
	k Surface (A12	)		3 One ind	licator of h	vdronhyt	ic vegetatio	n one prin	nary indicator of wetland hy	udrology
	eyed (A13)						e position r			rdi diogy,
✓ Alaska Re	. ,	<b>-</b> \		4 Give de	tails of col	or change	e in Remark	S		
	eyed Pores (A1									
-	er (if present):								<u></u>	
Type: fros									Hydric Soil Present?	Yes  No
Depth (inc	hes): 13									
Remarks:										
i										
Wetland Hyd	lrology Indica									ators (two or more are required)
Wetland Hyd	Irology Indica ators (any one		)	☐ Inun	dation Visi	iblo on A	orial Image	··· /B7\	Water Stain	ed Leaves (B9)
Primary Indication	Irology Indica ators (any one Water (A1)		)				erial Image		Water Stain  Drainage Pa	ed Leaves (B9) atterns (B10)
Primary Indication Surface V	Irology Indica ators (any one Water (A1) er Table (A2)		)	Spar	sely Veget	tated Cor	erial Image cave Surfac		Water Stain Drainage Pa Oxidized Rh	ed Leaves (B9)
Wetland Hyden Primary Indication  Surface V  ✓ High Wat	Irology Indica ators (any one Water (A1) ter Table (A2) n (A3)		)	Spar Marl	sely Veget	tated Cor (B15)	cave Surfac		Water Stain Drainage Pa Oxidized Rh	ed Leaves (B9) atterns (B10) aizospheres along Living Roots (C3) Reduced Iron (C4)
Wetland Hyd  Primary Indica  Surface V  ✓ High Wat  ✓ Saturatio  Water Ma	Irology Indica ators (any one Water (A1) ter Table (A2) n (A3)		)	Spar Marl	rsely Veger Deposits rogen Sulfi	tated Cor (B15) ide Odor	cave Surfac		Water Stain Drainage Pa Oxidized Rh Presence of Salt Deposit	ed Leaves (B9) atterns (B10) aizospheres along Living Roots (C3) Reduced Iron (C4)
Primary Indica Surface V High Wat Saturatio Water Ma	Irology Indica ators (any one Water (A1) ter Table (A2) n (A3) arks (B1)		)	Spar Marl Hydi Dry-	rsely Veget Deposits rogen Sulfi Season W	tated Cor (B15) ide Odor ater Tabl	cave Surfac (C1) e (C2)		Water Stain Drainage Pa Oxidized Rh Presence of Salt Deposit Stunted or 3	ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3) Reduced Iron (C4) ts (C5)
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