WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska End Investigator(s): WAD, BAB	ergy Authority				Sampling Point: SW13_T106_04				
	<u>, , , , , , , , , , , , , , , , , , , </u>	Applicant/Owner: Alaska Energy Authority							
		side, terrac	ce, hummocks etc.): Hillside						
Local relief (concave, convex,	none): flat	% / 4.5	-						
Subregion : Interior Alaska Mo			_ —	Long.: -148.573831677 Datum: NAD83					
	Julianis	•							
Soil Map Unit Name:				No ○	NWI classification: Upland				
Are climatic/hydrologic conditio		•			(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○				
Are Vegetation , Soil			y disturbed?		tormar on our retained process.				
Are Vegetation, Soil	, or Hydrology L	naturally pr	oblematic?	(If nee	eded, explain any answers in Remarks.)				
SUMMARY OF FINDING	S - Attach site map show	ving sam	npling point	locations	s, transects, important features, etc.				
Hydrophytic Vegetation	Present? Yes No C)		the Com	unland Aman				
Hydric Soil Present?	Yes ○ No •)			npled Area /etland? Yes ○ No ●				
Wetland Hydrology Pres	sent? Yes O No 🖲)	Wi	thin a W					
Remarks: open white spruce t	orest at edge of gully.								
975 photo num 15,20 photo time									
13,20 prioto time									
VEGETATION - Use scien	ntific names of plants. Li	st all spe	cies in the	plot.					
		Absolute	Dominant		Dominance Test worksheet:				
Tree Stratum		% Cover	Species?	Status	Number of Dominant Species				
Picea glauca		40	✓	FACU	That are OBL, FACW, or FAC: 4 (A)				
2.		0			Total Number of Dominant Species Across All Strata: 6 (B)				
2		0			Percent of dominant Species				
4		0			That Are OBL, FACW, or FAC: 66.7% (A/B)				
5.		0			Prevalence Index worksheet:				
	Total Covers	40			Total % Cover of: Multiply by:				
Sapling/Shrub Stratum	50% of Total Cover:	20 20%	of Total Cover	8	OBL Species $0 \times 1 = 0$				
Salix bebbiana		50	✓	FAC	FACW Species 11 x 2 = 22				
Spiraea stevenii		5		FACU	FAC Species 91 x 3 = 273				
Vaccinium uliginosum		5		FAC	FACU Species 63 x 4 = 252				
4. Rosa acicularis		5		FACU	UPL Species				
5. Vaccinium vitis-idaea		3		FAC	Column Totals: <u>165</u> (A) <u>547</u> (B)				
6. Linnaea borealis		3		FACU					
7. Betula nana		2		FAC	Prevalence Index = B/A = 3.315				
8.		0			Hydrophytic Vegetation Indicators:				
9		0			✓ Dominance Test is > 50%				
10		0			Prevalence Index is ≤3.0				
	Total Covers				Morphological Adaptations ¹ (Provide supporting data in				
Herb Stratum	50% of Total Cover:	36.5 20%	_		Remarks or on a separate sheet)				
Sanguisorba canadens	is	10	✓	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)				
Equisetum arvense			✓	FAC	Indicators of hydric soil and wetland hydrology must				
3. Spinulum annotinum			✓	FACU	be present, unless disturbed or problematic.				
4. Cornus suecica		_		FAC	Plot size (radius, or length x width)				
5. Equisetum sylvaticum		5		FAC	% Cover of Wetland Bryophytes				
6. Carex podocarpa	neie	2		FAC FAC	(Where applicable)				
7. Calamagrostis canade		1		FAC	% Bare Ground				
Valeriana capitata Aconitum delphiniifoliui		1		FAC	Total Cover of Bryophytes				
Aconitum delphiniifoliui Petasites frigidus	II	1		FACW	Hadanahada				
10. 1 clasiles irigidas	Total Cover:		Hydrophytic Vegetation						
			of Total Cover	10.4	Present? Yes • No				
					I				

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SOIL Sampling Point: SW13_T106_04

Profile Descripti	ion: (Describe to t	the depth nee	eded to docum	nent the inc		nfirm the abs		cators)			
(inches)	Color (moi	ist)	%	Color (m	noist)	%	Type ¹	Loc ²	Texture	Remarks	
0-1			100						Fibric Organics		
1-11	2.5Y	4/2	95	10YR	3/1	5	RM	PL	Sand	mixed matrix sandy silt loam inclusions 2.5y	
1 Type· C=Cor	ocentration D=	Depletion	PM=Reduct	ed Matrix	2 Location				annel. M=Matrix		
		Dehieroni	Ki-i-icuacc						allici. Pi—Piquix		
Histic Epip Hydrogen Thick Dark Alaska Gle Alaska Rec	r Histel (A1) bedon (A2) Sulfide (A4) & Surface (A12) eyed (A13)			Alasi Alasi Alasi 3 One ir	tors for Proska Color Ch ska Alpine sv ska Redox W indicator of In appropriate details of co	nange (TA4 wales (TA5 Vith 2.5Y F hydrophyt te landscap	4) 5) Hue tic vegetatio pe position r	on, one prir must be pro	Alaska Gleyed Without Houderlying Layer Other (Explain in Remark mary indicator of wetland hesent	is)	
)								1	
Restrictive Layer Type: seas Depth (inch	sonal frost								Hydric Soil Present	? Yes ○ No •	
HYDROLO											
Wetland Hydi										cators (two or more are required)	
	itors (any one is	s sufficient)							ned Leaves (B9)	
Surface W	/ater (A1)			In	nundation Vi	isible on A	erial Imager	ry (B7)		atterns (B10)	
High Wate	High Water Table (A2) Sparsely Vegetated Concave Surface (B						ce (B8)		hizospheres along Living Roots (C3)		
Saturation	. ,			Ma	arl Deposits	; (B15)				f Reduced Iron (C4)	
Water Mai	rks (B1)			□ ну	ydrogen Sul	ifide Odor	(C1)		Salt Depos		
	Deposits (B2)			_	ry-Season W					Stressed Plants (D1)	
Drift Depo				Ot	ther (Explair	n in Rema	rks)			ic Position (D2)	
	or Crust (B4)								Shallow Aq	uitard (D3)	
Iron Depo	osits (B5)								☐ Microtopog	raphic Relief (D4)	
Surface So	oil Cracks (B6)								FAC-neutra	l Test (D5)	
Field Observa	ations:										
Surface Water	r Present?		No 💿	De	epth (inches	s):					
Water Table P	resent?	Yes \bigcirc	No 💿	D _f	epth (inches	s):		Wetla	nd Hydrology Presen	t? Yes ○ No •	
Saturation Pre (includes capil		Yes O	No •		epth (inches	•					
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
Remarks:											
no primary wet	Hand hydrology	, indicators	observed								
TIO Primary wee	ldiiu iiyuiology	lliulcators	ODSEI VEG								

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