WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Investigator(s): SLI, SCB				Sampling Point: SW13_T125_05		
5 () 52., 552	L	.andform (hill	side, terrac	e, hummocks etc.): Hillside		
Local relief (concave, convex, none): hummocky		Slope: 3.0				
Subregion : Southcentral Alaska		2.937265396	_	Long.: -149.614514351 Datum: WGS84		
	Lat 0	2.937203390	,			
Soil Map Unit Name:			<u> </u>	NWI classification: PSS1B		
	nificantly urally pro	disturbed?	(If nee	(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○ ded, explain any answers in Remarks.) s, transects, important features, etc.		
Hydrophytic Vegetation Present? Yes No O				· · · · · · · · · · · · · · · · · · ·		
	Is the Sampled Area					
		wi	thin a W	etland? Yes ● No 🔾		
, 0,						
Remarks: photo time 1700, #1153-1155 moist woodland, mix of black and white spruce. VEGETATION -Use scientific names of plants. List	all spec	cies in the	plot.			
Ał	bsolute	Dominant	Indicator	Dominance Test worksheet:		
	Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 5 (A)		
1. Picea glauca	5	✓	FACU	Total Number of Dominant		
Picea mariana		~	FACW	Species Across All Strata: 6 (B)		
3	0			Percent of dominant Species		
4				That Are OBL, FACW, or FAC: 83.3% (A/B)		
5				Prevalence Index worksheet:		
Total Cover:	12			Total % Cover of: Multiply by:		
Sapling/Shrub Stratum 50% of Total Cover: 6	20% c	of Total Cover:	2.4	OBL Species <u>0.1</u> x 1 = <u>0.1</u>		
1. Picea glauca	5		FACU	FACW Species 9 x 2 = 18		
2. Salix pulchra	1		FACW	FAC Species <u>53.2</u> x 3 = <u>159.6</u>		
Spiraea stevenii	2		FACU	FACU Species <u>12.1</u> x 4 = <u>48.40</u>		
Vaccinium uliginosum	40	~	FAC	UPL Species x 5 =0		
5. Empetrum nigrum	1		FAC	Column Totals: <u>74.4</u> (A) <u>226.1</u> (B)		
6. Betula nana	10		FAC	Prevalence Index = B/A = 3.039		
7						
8				Hydrophytic Vegetation Indicators:		
9.				✓ Dominance Test is > 50%		
10.				☐ Prevalence Index is ≤3.0		
Total Cover: Herb Stratum 50% of Total Cover: 29.	<u>59</u> 520% (of Total Cover		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
Chamerion angustifolium	0.1		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)		
Calamagrostis canadensis	0.1		FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
3. Equisetum arvense		V	FAC	be present, unless disturbed of problematic.		
4. Equisetum sylvaticum	0.1		FAC FAC	Plot size (radius, or length x width) <u>10m</u>		
5. Trientalis europaea ssp. arctica 6. Carex loliacea	0.1		OBL	% Cover of Wetland Bryophytes		
7 Dubus shamasmaria	1		FACW	(Where applicable)		
			1,1000	% Bare Ground		
8 9				Total Cover of Bryophytes		
10.	0			Hydronhytic		
	3.4	_		Hydrophytic Vegetation		
50% of Total Cover: <u>1.7</u>		of Total Cover:	0.68	Present? Yes No		

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SOIL Sampling Point: SW13_T125_05

- St Barrieti	· /= /b-4-4		1 13 Janear	· · · · · · · · · · · · · · · · · · ·	~	C to die	`	· -	101111. 011115_1115_05		
		he depth nee 1atrix	ded to docur	nent the indicator or co	nfirm the ab dox Featu		ators)				
Depth (inches)	Color (moi		%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-2					,			Fibric Organics			
2-8								Hemic Organics			
8-11					-			Sapric Organics	w cobbles		
11-12	10YR	2/2	100					loam	w heavy organics		
12-17	10YR		100					Loam			
		2/2						Loan	w heavy organics		
										—	
					- ——						
¹ Type: C=Cor	ncentration. D=	Depletion.	RM=Reduce	ed Matrix ² Location	n: PL=Por	e Lining. RC	=Root Cha	nnel. M=Matrix			
Hydric Soil I	ndicators:			Indicators for Pr	oblemati	c Hydric Sc	oils: ³				
Histosol or	r Histel (A1)		Alaska Gleyed Without H	ue 5Y or Redder							
✓ Histic Epipedon (A2)				Alaska Alpine swales (TA5)				Underlying Layer			
Hydrogen	Sulfide (A4)			Alaska Redox \	Nith 2.5Y I	Hue		Other (Explain in Remark	s)		
Thick Dark	Surface (A12)			3 One indicator of	hydrophy	tic vegetatio	n one prim	nary indicator of wetland h	wdrology		
Alaska Gle				and an appropria					lydi ology,		
Alaska Red	` '			4 Give details of o	olor chang	e in Remark	s				
☐ Alaska Gle	yed Pores (A15)									
Restrictive Laye	er (if present):										
Type:								Hydric Soil Present	? Yes • No O		
Depth (inch	nes):										
Remarks:											
HYDROLO	GY										
Wetland Hyd	rology Indica	tors:						Secondary India	cators (two or more are required)		
Primary Indica	tors (any one is	s sufficient)						Water Stair	ned Leaves (B9)		
Surface W	/ater (A1)			☐ Inundation V	isible on A	erial Imager	y (B7)	Drainage P	Patterns (B10)		
	er Table (A2)			Sparsely Veg	etated Cor	ncave Surfac	ce (B8)		hizospheres along Living Roots (C3	;)	
✓ Saturation	` ,			Marl Deposit	. ,				f Reduced Iron (C4)		
Water Ma				Hydrogen Su	ılfide Odor	(C1)		☐ Salt Depos			
	Deposits (B2)			☐ Dry-Season \					Stressed Plants (D1)		
☐ Drift Depo				Uther (Expla	in in Rema	rks)			ic Position (D2)		
	or Crust (B4)								juitard (D3)		
☐ Iron Depo	. ,								graphic Relief (D4)		
	oil Cracks (B6)						1	✓ FAC-neutra	al Test (D5)		
Field Observa		V O	No •								
Surface Water				Depth (inche	: S):						
Water Table P		Yes 💿	No \bigcirc	Depth (inche	es): 13		Wetlar	nd Hydrology Presen	t? Yes 💿 No 🔾		
Saturation Pre (includes capi		Yes	No \bigcirc	Depth (inche	es): 5						
		m dalide i	monitor we	ll, aerial photos, pre	vioue inena	action) if ava	ilahle:				
Describe Recor	ded Data (Street	iii gaage, i	nomicor we	ii, aeriai priotos, pre	vious irispe	ccion) ii ave	illable.				
Remarks:										_	
remario											

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