WETLAND DETERMINATION DATA FORM - Alaska Region

nvestig Local re	nt/Owner: Alaska Energy A lator(s): SLI, SCB	Authority						
ocal re	ator(s): SLI, SCB					Sampling Point: SW13_T136_02		
				Landform (hillside, terrace, hummocks etc.): Hillside				
Subreg	elief (concave, convex, none)	convex		Slope: 15.0 % / 8.5 ° Elevation: 613				
	on : Southcentral Alaska		Lat.:	62.93778216	8	Long.:149.161734462		
Soil Ma	Unit Name:					NWI classification: Upland		
Are Ve		, or Hydrology	significantly naturally pr ving sam	y disturbed? oblematic?	(If nee	(If no, explain in Remarks.) Normal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.) s, transects, important features, etc.		
,	Hydrophytic Vegetation Present Hydric Soil Present? Wetland Hydrology Present? Parks: photo time 1200, #s 1:	Yes O No •)		the Sam ithin a W	npled Area /etland? Yes ○ No ◉		
/EGE	TATION - Use scientific	names of plants. Li	st all spe	ecies in the	plot.			
_	.		Absolute	Dominant		Dominance Test worksheet: Number of Dominant Species		
	Potulo populoskopo		<u>% Cover</u>	Species?	Status	That are OBL, FACW, or FAC:		
				✓	FACU	Total Number of Dominant		
	Picea glauca			✓	FACU	Species Across All Strata: 8 (B)		
3. 4.			0			Percent of dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B)		
5.		Total Cover:		Prevalence Index worksheet: Total % Cover of: Multiply by:				
Sapl	ing/Shrub Stratum	50% of Total Cover:	1.5 20%	of Total Cover	:0.6	OBL Species x 1 =		
1.	Sorbus scopulina		2	✓	FACU	FACW Species 0 x 2 = 0		
2.	Spiraea stevenii		0.1		FACU	FAC Species 35 x 3 = 105		
3.			0			FACU Species <u>52.2</u> x 4 = <u>208.8</u>		
4.			0			UPL Species x 5 =0		
5.			0			Column Totals: <u>87.2</u> (A) <u>313.8</u> (B)		
6.			0					
7.			0			Prevalence Index = B/A = 3.599		
8.			0			Hydrophytic Vegetation Indicators:		
9.			0			☐ Dominance Test is > 50%		
10.			0			Prevalence Index is ≤3.0		
Herl	o Stratum_	Total Cover: 50% of Total Cover:	r: <u>0.42</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)				
1.	Veratrum viride		25	✓	FAC	✓ Problematic Hydrophytic Vegetation ¹ (Explain)		
2.	Chamerion angustifolium		15	✓	FACU	¹ Indicators of hydric soil and wetland hydrology must		
3.	Dryopteris expansa		10	✓	FACU	be present, unless disturbed or problematic.		
4.	Calamagrostis canadensis		10	✓	FAC	Plot size (radius, or length x width) 10m		
5.	Cornus canadensis		10	✓	FACU	Plot size (radius, or length x width) 10m Cover of Wetland Bryophytes		
6.	Geranium erianthum		5		FACU	(Where applicable)		
7.	Heracleum maximum		_1_		FACU	% Bare Ground		
8.	Mertensia paniculata		_1_		FACU	Total Cover of Bryophytes5		
9.	Gymnocarpium dryopteris		5		FACU			
10.	Trientalis europaea		0.1		FACU	Hydrophytic		
		Total Cover: 50% of Total Cover: <u>4</u>		of Total Cover	: 16.42	Vegetation Present? Yes ○ No •		

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SOIL Sampling Point: SW13_T136_02

										10 54415_1150_02		
	on: (Describe to	the depth nee Matrix	eded to docu	ment the inc		firm the ab		cators)				
Depth (inches)	Color (moist)		%	Color (m	Color (moist)		Type ¹	Loc ²	Texture	Remarks		
0-1									rooted organics			
1-4	2.5Y	4/1	80	10YR	2/1	20			Silt Loam	old burn or developing spodosol? broken la		
4-9	10YR	2/2	100						Loam			
9-16	10YR	3/2	100						Silt Loam	w common subrounded cobbles		
16-20	5Y	4/2	100						Loam			
¹Type: C=Con	centration. D=	Depletion.	RM=Reduc	ed Matrix	² Location:	PL=Por	e Lining. RC	C=Root Cha	nnel. M=Matrix			
Hydric Soil In	ndicators:			Indicat	ors for Pro	blemati	c Hydric S	oils: ³				
Histosol or Histel (A1) Alaska Color Change (TA4)								Alaska Gleyed Without Hue 5Y or Redder				
Histic Epip	edon (A2)			Alaska Alpine swales (TA5)					Underlying Layer			
	Sulfide (A4)			Alas	ka Redox W	ith 2.5Y F	lue		Other (Explain in Remark	SS)		
	Surface (A12))		3 One ii	ndicator of h	nvdronhvt	ic vegetatio	n. one prin	nary indicator of wetland h	vdrology.		
Alaska Gle				and an	appropriate	landscap	e position i	must be pre	esent	,, a. 0.09,,		
Alaska Red	ox (A14) yed Pores (A15	2)		4 Give o	letails of col	or change	e in Remark	(S				
	•	,										
Restrictive Laye Type:	r (ir present):								Hydric Soil Present	? Yes○ No •		
Depth (inch	es):								nyunc son Present	r les 🔾 NU 😌		
Remarks:	,											
	dicators											
no hydric soil indicators												
HYDROLO	GY											
Wetland Hydr		tors:							Secondary India	cators (two or more are required)		
Primary Indicat									Water Stained Leaves (B9)			
Surface W	ater (A1)			☐ In	undation Vis	sible on A	erial Image	ry (B7)	Drainage Patterns (B10)			
High Water Table (A2)				Sparsely Vegetated Concave Surface (B8)				ce (B8)	Oxidized R	hizospheres along Living Roots (C3)		
Saturation (A3)				Marl Deposits (B15)					Presence o	f Reduced Iron (C4)		
☐ Water Marks (B1)				Hydrogen Sulfide Odor (C1)					Salt Depos	its (C5)		
Sediment	Deposits (B2)			Dr	y-Season W	ater Tabl	e (C2)			Stressed Plants (D1)		
Drift Depo				☐ Ot	her (Explain	in Rema	rks)			ic Position (D2)		
	or Crust (B4)									uitard (D3)		
Iron Depo										raphic Relief (D4)		
	oil Cracks (B6)								☐ FAC-neutra	Il Test (D5)		
Field Observa Surface Water		Vec ()	No	De	epth (inches	١.						
Water Table P			No •			•		Wotla	nd Hydrology Presen	t? Yes O No 💿		
Saturation Pre				De	epth (inches):		Wetiai	na nyarology Presen	tr res C NO G		
(includes capil		Yes O	No 🖭	De	epth (inches):						
Describe Record	ded Data (stre	am gauge,	monitor we	ll, aerial p	hotos, previ	ous inspe	ection) if ava	ailable:				
Remarks:												
no wetland hydrology indicators												
1												

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