WETLAND DETERMINATION DATA FORM - Alaska Region

-	et/Site: Susitna-Watana Hyd			Borougl	h/City:	Matanusk	xa-Susitna Borough Sampling Date: 02-Jul-13
	ant/Owner: Alaska Energy A	uthority					Sampling Point: SW13_T126_02
nvesti	igator(s): SLI, SCB			_			ee, hummocks etc.): Hillside
_ocal ı	relief (concave, convex, none)	none		_ Slope	32.4	% / <u>18.0</u>	0 ° Elevation: 825
Subre	gion : Southcentral Alaska		Lat.:	62.891	1808271		Long.:149.380463362
Soil Ma	ap Unit Name:						NWI classification: Upland
Are \	matic/hydrologic conditions on /egetation , Soil	, or Hydrology , or Hydrology Attach site map sho	significar naturally wing sa	ntly distui problem	rbed? atic?	Are "N (If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes No eded, explain any answers in Remarks.) s, transects, important features, etc.
	Hydric Soil Present? Wetland Hydrology Present?	Yes No Yes No	•			the Sam thin a W	pled Area /etland? Yes ○ No ●
	narks: Photo # 1126-1129, Tir		ist all s _l	oecies i	in the	plot.	
			Absolut			Indicator	Dominance Test worksheet:
	ee Stratum		% Cove		ecies?	Status	Number of Dominant Species That are OBL, FACW, or FAC:2(A)
1.				_			Total Number of Dominant
2. 3.				_			Species Across All Strata: 4 (B)
4.			$- \frac{0}{0}$	_			Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)
5.			0				Prevalence Index worksheet:
		Total Cove	r: <u> </u>	_			Total % Cover of: Multiply by:
Sap	oling/Shrub Stratum	50% of Total Cover:	0 20	0% of Tota	al Cover:	0	OBL Species0 x 1 =0
1.	Alnus viridis		80)	✓	FAC	FACW Species 0 x 2 = 0
2.						-	FAC Species <u>106</u> x 3 = <u>318</u>
3.			_	_			FACU Species <u>45.1</u> x 4 = <u>180.4</u>
4.			_				UPL Species <u>0</u> x 5 = <u>0</u>
5.			_				Column Totals: <u>151.1</u> (A) <u>498.4</u> (B)
6.							
7.				_			Prevalence Index = B/A = 3.298
8.			0	_			Hydrophytic Vegetation Indicators:
9.			0	_			Dominance Test is > 50%
10.			0	_			Prevalence Index is ≤3.0
Her	rb Stratum	Total Cove 50% of Total Cover:		 0% of Tot	al Cover	:16	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1.	Gymnocarpium dryopteris		30)	✓	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2.	Calamagrostis canadensis		20)	✓	FAC	¹ Indicators of hydric soil and wetland hydrology must
3.	Dryopteris expansa		15	<u>-</u>	✓	FACU	be present, unless disturbed or problematic.
4.	Veratrum viride		5	_		FAC	Plot size (radius, or length x width) 10m
5.	Trientalis borealis			_		FAC	% Cover of Wetland Bryophytes 0
6.	Streptopus amplexifolius		0.:	_		FACU	(Where applicable)
7.			_	_		FAC	% Bare Ground
			•	_			Total Cover of Bryophytes
8.			0	_			
9.			^		1 1		
9.			0	_			Hydrophytic
9.			r: <u>71.2</u>	<u> </u>	al Cover:	14.24	Hydrophytic Vegetation Present? Yes No No

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SOIL Sampling Point: SW13_T126_02

	me depui need Matrix	ed to documen	t the indicator or co	nfirm the abs dox Featui		ators)		
Depth (inches) Color (mo	iet)	% C	color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-17 10YR		100	iolor (moist)		Турс	LUC	Loam	w few f-c roots, few ang-subang gravels-c
			-				<u>-</u>	
1T C. C	D I	M D. J J	21				I. M. Mail !	
¹ Type: C=Concentration. D=	=Depletion. R				_		innei. M=Matrix	
Hydric Soil Indicators:		I	ndicators for Pi		4	oils:	1	
Histosol or Histel (A1)		Ļ	Alaska Color C				Alaska Gleyed Without H	ue 5Y or Redder
Histic Epipedon (A2)		Ļ	Alaska Alpine s	-			Underlying Layer	
Hydrogen Sulfide (A4)		L	_ Alaska Redox \	Nith 2.5Y H	ue		Other (Explain in Remarl	(S)
Thick Dark Surface (A12))	3	One indicator of	hydrophyti	c vogotatio	n ono nrin	nary indicator of wetland h	wdrology
Alaska Gleyed (A13)			and an appropria					iyai ology,
Alaska Redox (A14)				•	•	•		
Alaska Gleyed Pores (A1	5)		Give details of c	olor change	III Kemark	S		
Restrictive Layer (if present):								
Type:							Hydric Soil Present	? Yes ○ No •
Depth (inches):								
HYDROLOGY								
HYDROLOGY Wetland Hydrology Indica	itors:						Secondary Indi	cators (two or more are required)
								cators (two or more are required) ned Leaves (B9)
Wetland Hydrology Indica			☐ Inundation \	isible on Ae	rial Image	ry (B7)	Water Stai	
Wetland Hydrology Indica Primary Indicators (any one			☐ Inundation \		_		Water Stai	ned Leaves (B9)
Primary Indicators (any one Surface Water (A1)				etated Con	_		☐ Water Stai☐ Drainage R☐ Oxidized R	ned Leaves (B9) Patterns (B10)
Wetland Hydrology Indica Primary Indicators (any one Surface Water (A1) High Water Table (A2)			Sparsely Veg	etated Cond s (B15)	cave Surfac		☐ Water Stai☐ Drainage R☐ Oxidized R	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4)
Wetland Hydrology Indica Primary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3)			Sparsely Veg Marl Deposit	etated Cond s (B15) Ilfide Odor (cave Surfac		Water Stai Drainage F Oxidized R Presence C Salt Depos	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4)
Wetland Hydrology Indica Primary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)			Sparsely Veg Marl Deposit Hydrogen Su	etated Cond s (B15) Ilfide Odor (Water Table	cave Surface C1) (C2)		Water Stai Drainage F Oxidized R Presence c Salt Depos	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hits (C5)
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