WETLAND DETERMINATION DATA FORM - Alaska Region

Project	· · · · · · · · · · · · · · · · · · ·		Во	rough/City:	Matanusk	a-Susitna Borough Sampling Date: 07-Aug-13			
Applica	nt/Owner: Alaska Energy Authority					Sampling Point: SW13_T142_06			
nvesti	gator(s): WAD, RWM			Landform (hillside, terrace, hummocks etc.): drainage feature					
Local r	elief (concave, convex, none):concave		5	Slope: 0.0 % / 0.0 ° Elevation: 1194					
Subreg	ion : Interior Alaska Mountains	Lat	.: 6	63.094686151 Long.: -148.292552948 Datum: WGS84					
Soil Ma	p Unit Name:			NWI classification: PEM1/SS1E					
Are V Are V	egetation , Soil , or Hydrology	significa naturall wing s	antly y pro	disturbed? blematic?	Are "N (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)	ntly f	wit	thin a W	pled Area etland? Yes ● No ○			
/EGE	TATION - Use scientific names of plants. L	ist all s	spec	ies in the p	olot.				
		Absolu		Dominant		Dominance Test worksheet:			
	e Stratum	% Cov		Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)			
1.			0			Total Number of Dominant			
2.			0			Species Across All Strata:3 (B)			
3. 4.			0			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)			
5.			0			111at Ale OBE, 1 ACW, 01 1 AC. 100.070 (AD)			
0.	Total Cover	- — r: <u> </u>	_			Prevalence Index worksheet: Total % Cover of: Multiply by:			
Sap	ling/Shrub Stratum 50% of Total Cover:	0 2	20% o	of Total Cover:	0	OBL Species 70 x 1 = 70			
1	Salix pulchra	3	30	✓	FACW	FACW Species 39 x 2 = 78			
	Salix fuscescens		4		FACW	FAC Species 0 x 3 = 0			
3.			0			FACU Species 0 x 4 = 0			
4.			0			UPL Species0 x 5 =0			
5.			0			Column Totals: <u>109</u> (A) <u>148</u> (B)			
6.			0						
7.			0			Prevalence Index = B/A = 1.358			
8.		_	0			Hydrophytic Vegetation Indicators:			
9.			0			✓ Dominance Test is > 50%			
10.			0			✓ Prevalence Index is ≤3.0			
Her	Total Cover b Stratum 50% of Total Cover:			of Total Cover:	6.8	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
	Carex aquatilis		45	~	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)			
	Comarum palustre		25	\	OBL	¹ Indicators of hydric soil and wetland hydrology must			
٠.	Arctagrostis latifolia		5		FACW	be present, unless disturbed or problematic.			
4.			0			Plot size (radius, or length x width)			
			0			% Cover of Wetland Bryophytes			
			0			(Where applicable)			
			0			% Bare Ground			
			0			Total Cover of Bryophytes			
			0			Hydrophytic			
10.	Total Cover			<i></i>		Vegetation			
	50% of Total Cover:			of Total Cover:	15	Present? Yes No			
10.	Total Cover	- – r: <u>7</u> 5	5	of Total Cover:		Hydrophytic Vegetation Present? Yes No			

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW13_T142_06

JUIL								Samping	Point: 3W13_1142_00		
Profile Descripti	,		eded to docum	nent the indicator or co			ators)				
Depth		1atrix		Redo		ox Features					
(inches)	Color (moist)		<u>%</u>	Color (moist)	<u>%</u>	Type ¹	<u>Loc</u> ²	Texture Sibula Organica	Remarks		
0-3			100					Fibric Organics			
3-6			100					Hemic Organics			
6-8			100					Sapric Organics			
8-11	2.5Y	3/1	100					Sand	with roots and organics		
11-16	10YR	3/2	100					Silt Loam			
					_						
									•		
¹Type: C=Cor	ncentration. D=	Depletion.	RM=Reduce	ed Matrix ² Locatio	n: PL=Por	e Lining. RC	=Root Char	nnel. M=Matrix			
Hydric Soil I	ndicators:			Indicators for P	roblematio	c Hydric So	oils: ³				
	Histel (A1)			Alaska Color C		4		Alaska Gleyed Without H	ue 5Y or Redder		
✓ Histic Epip	. ,			Alaska Alpine	swales (TA	5)	_	Underlying Layer			
Hydrogen	Sulfide (A4)			Alaska Redox	With 2.5Y H	lue		Other (Explain in Remark	(S)		
	Surface (A12)			3 One indicator of	f buduan bud	ia vaaatatia		ann indicator of watland h	nudvala au		
Alaska Gle	yed (A13)			and an appropria				nary indicator of wetland hesent	iyarology,		
Alaska Red	. ,	_		4 Give details of o	olor chang	e in Remark	·s				
☐ Alaska Gle	yed Pores (A15	5)		GIVE details of C	olor chang	e iii Remark					
Restrictive Laye	er (if present):										
Type:								Hydric Soil Present	? Yes • No O		
Depth (inch	nes):										
Remarks:											
HYDROLO											
Wetland Hydi									cators (two or more are required)		
	tors (any one is	s sufficient					 >		ned Leaves (B9)		
Surface W	` ,			☐ Inundation \		_			Patterns (B10)		
	 ✓ High Water Table (A2) ✓ Sparsely Vegetated Concave Surface (B ✓ Saturation (A3) ✓ Marl Deposits (B15) 						ce (B8)	8)			
	. ,			Hydrogen Su	` '	(C1)		Salt Deposits (C5)			
☐ Water Marks (B1) ☐ Sediment Deposits (B2)				Dry-Season				Stunted or Stressed Plants (D1)			
Drift Deposits (B3)				Other (Expla				Geomorphic Position (D2)			
	or Crust (B4)					- /		Shallow Aquitard (D3)			
☐ Iron Depo	sits (B5)					Microtopog	graphic Relief (D4)				
Surface So	oil Cracks (B6)							✓ FAC-neutra	al Test (D5)		
Field Observa	ntions:										
Surface Water	Present?		No O	Depth (inch	es): 1						
Water Table P	resent?	Yes 💿	No \bigcirc	Depth (inch	es): 9		Wetlan	nd Hydrology Presen	it? Yes 💿 No 🔾		
Saturation Pre		Yes	No O	Denth (inch	es): 0						
(includes capillary fringe)											
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
Remarks:											
Remarks.											

U.S. Army Corps of Engineers Alaska Version 2.0