WETLAND DETERMINATION DATA FORM - Alaska Region

Project			_ Bo	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 03-Aug-13
	nt/Owner: Alaska Energy Authority					Sampling Point: SW13_T173_10
	gator(s): BAB					e, hummocks etc.): pond
Local r	elief (concave, convex, none): concave		;	Slope: 0.0	% / <u>0.0</u>	elevation: 994
Subreg	ion: Interior Alaska Mountains	Lat	t.: 6	3.167653419	1	Long.:148.23798635
Soil Ma	p Unit Name:					NWI classification: PEM1H
Are V		significa natural	antly ly pro	disturbed? oblematic?	Are "N (If nee	(If no, explain in Remarks.) lormal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.) s, transects, important features, etc.
	Hydrophytic Vegetation Present? Yes No)	dropį	wi	the Sam thin a W	pled Area etland? Yes ● No ○
VEGE	TATION - Use scientific names of plants. L	ist all	spe	cies in the	olot.	
		Absol	ute	Dominant	Indicator	Dominance Test worksheet:
	e Stratum	% Co		Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)
1.			0			Total Number of Dominant
2.			0			Species Across All Strata: 4 (B)
3.			0			Percent of dominant Species
4.		-	0			That Are OBL, FACW, or FAC: 100.0% (A/B)
5.	Total Cover	r: <u> </u>	0			Prevalence Index worksheet: Total % Cover of: Multiply by:
Sap	ling/Shrub Stratum 50% of Total Cover:	0	20% (of Total Cover:	0	OBL Species 26 x 1 = 26
1.			0			FACW Species 0 x 2 = 0
2.			0			FAC Species 5 x 3 = 15
3.			0			FACU Species0 x 4 =0
4.			0			UPL Species <u>0</u> x 5 = <u>0</u>
5.			0			Column Totals:31 (A)41 (B)
6.			0			
7.			0			Prevalence Index = B/A = 1.323
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:		20%	of Total Cover	0	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1.	Carex aquatilis		15	✓	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
2.	Eriophorum angustifolium	_	5	✓	OBL	¹ Indicators of hydric soil and wetland hydrology must
٠.	Carex limosa	_	5	✓	OBL	be present, unless disturbed or problematic.
	Carex canescens (IAM)	_	5		FAC	Plot size (radius, or length x width)
5.	Menyanthes trifoliata		1		OBL	% Cover of Wetland Bryophytes
			0			(Where applicable)
			0			% Bare Ground
			0			Total Cover of Bryophytes _5
			0			Understadio
10.	Total Cover			_		Hydrophytic Vegetation
	50% of Total Cover:			of Total Cover:	6.2	Present? Yes • No O
Rem	arks: most bare ground is water					
	-					

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SOIL Sampling Point: SW13_T173_10 Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) **Redox Features** Depth <u>Loc</u> 2 (inches) Color (moist) Color (moist) % Type ¹ ¹Type: C=Concentration. D=Depletion. RM=Reduced Matrix ² Location: PL=Pore Lining. RC=Root Channel. M=Matrix Indicators for Problematic Hydric Soils:³ **Hydric Soil Indicators:** Alaska Color Change (TA4) Alaska Gleyed Without Hue 5Y or Redder Histosol or Histel (A1) **Underlying Layer** Alaska Alpine swales (TA5) Histic Epipedon (A2) Alaska Redox With 2.5Y Hue **✓** Other (Explain in Remarks) Hydrogen Sulfide (A4) Thick Dark Surface (A12) ³ One indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, Alaska Gleyed (A13) and an appropriate landscape position must be present Alaska Redox (A14) ⁴ Give details of color change in Remarks ☐ Alaska Gleyed Pores (A15) Restrictive Layer (if present): Yes ● No ○ Type: **Hydric Soil Present?** Depth (inches): Remarks: pond, assume hydric soil.

HIDROLOGI			
Wetland Hydrology Indica	itors:		Secondary Indicators (two or more are required)
Primary Indicators (any one	is sufficient)		Water Stained Leaves (B9)
✓ Surface Water (A1)		☐ Inundation Visible on Aerial Image	ry (B7) Drainage Patterns (B10)
High Water Table (A2)		✓ Sparsely Vegetated Concave Surfa	ce (B8) Oxidized Rhizospheres along Living Roots (C3)
Saturation (A3)		☐ Marl Deposits (B15)	Presence of Reduced Iron (C4)
☐ Water Marks (B1)		Hydrogen Sulfide Odor (C1)	Salt Deposits (C5)
Sediment Deposits (B2)		Dry-Season Water Table (C2)	☐ Stunted or Stressed Plants (D1)
Drift Deposits (B3)		Other (Explain in Remarks)	Geomorphic Position (D2)
✓ Algal Mat or Crust (B4)			Shallow Aquitard (D3)
☐ Iron Deposits (B5)			☐ Microtopographic Relief (D4)
Surface Soil Cracks (B6)			FAC-neutral Test (D5)
Field Observations:			
Surface Water Present?	Yes No	Depth (inches): 36	
Water Table Present? Yes No •		Depth (inches):	Wetland Hydrology Present? Yes ● No ○
Saturation Present? (includes capillary fringe)	Yes ○ No •	Depth (inches):	
Describe Recorded Data (stre	am gauge, monitor we	ell, aerial photos, previous inspection) if av	ailable:
Remarks:			

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