WETLAND DETERMINATION DATA FORM - Alaska Region

	Borough/City:	Matanusk	ka-Susitna Borough Sampling Date: 03-Aug-13
			Sampling Point: SW13_T179_03
	Landform (hills	side, terrac	ce, hummocks etc.): depression
	Slope:		7 ° Elevation: 121
Lat.:	63 151255487		Long.: -148.3328259 Datum: NAD83
-	00.101200.01		NWI classification: PUBH
ne of vear	2 Yes	● No ○	
			Normal Circumstances" present? Yes No
_			eded, explain any answers in Remarks.)
/ing san	npling point	locations	s, transects, important features, etc.
	le	the Sam	unlad Araa
	ļ	uiiii a vv	retiality: 165 5 No 5
ice water	outlet.		
st all spe	ecies in the	plot.	1
			Dominance Test worksheet:
	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
			Total Number of Dominant
			Species Across All Strata: 2 (B)
			Percent of dominant Species That Are OBL, FACW, or FAC: 100,0% (A/B)
			That Ale OBE, I AGW, OF I AG. 100.070 (A/B)
			Prevalence Index worksheet:
n 20%	of Total Cover:	0	Total % Cover of: Multiply by:
			OBL Species <u>5</u> x 1 = <u>5</u> FACW Species <u>2</u> x 2 = <u>4</u>
			FACW Species 2 x 2 = 4 FAC Species 0 x 3 = 0
			FACU Species 0 x 4 = 0
			UPL Species 0 x 5 = 0
	П		Column Totals: 7 (A) 9 (B)
	П		Prevalence Index = B/A = 1.286
0			Hydrophytic Vegetation Indicators:
0			✓ Dominance Test is > 50%
0			✓ Prevalence Index is ≤3.0
0			Morphological Adaptations (Provide supporting data in
0 209	6 of Total Cover	: 0	Remarks or on a separate sheet)
2	✓	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
1		OBL	¹ Indicators of hydric soil and wetland hydrology must
		OBL	be present, unless disturbed or problematic.
_			Plot size (radius, or length x width)
			% Cover of Wetland Bryophytes
			(Where applicable)
			% Bare Ground
0			Total Cover of Bryophytes
			Hydrophytic
			Hydrophytic
7			Vegetation Present? Yes No
	Lat.: ne of year ignificant! aturally priving san ace water Absolute % Cover 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Landform (hill Slope: Lat:: 63.151255487 The of year? Yes ignificantly disturbed? aturally problematic? ving sampling point Is wing to the wing sampling point with the wing sampling poin	Landform (hillside, terrace Slope: % / 1.3 Lat.: 63.1512554877 The of year? Yes No ignificantly disturbed? Are "No atturally problematic? (If new within a Windle water outlet. Is the Same within a Windle water outlet. Set all species in the plot. Absolute Dominant Species? Status O

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SOIL Sampling Point: SW13_T179_03 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 Gleyed Without Hue 5Y or Redder Histosol or Histel (A1) Alaska Color Change (TA4) **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: no pit, describing lake. HADBUI UCA

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Wetland Hydrology Indica	tors:		Secondary Indicators (two or more are required)			
Primary Indicators (any one i	is sufficient)	Water Stained Leaves (B9)				
✓ Surface Water (A1)		ery (B7) Drainage Patterns (B10)				
☐ High Water Table (A2)		Sparsely Vegetated Concave Surface	ace (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): 48				
Water Table Present?	Yes ○ No •	Depth (inches):	oth (inches): Wetland Hydrology Present? Yes No			
Saturation Present? (includes capillary fringe)	Yes O No Depth (inches):					
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:						
Remarks:						
shallow permanently flooded lake. talus substrate.						

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