WETLAND DETERMINATION DATA FORM - Alaska Region

Borough/City: Matanuska-Susitna Borough Sampling Date: 08-Jul-13
Sampling Point:SW13_T101_03
Landform (hillside, terrace, hummocks etc.): pond and margin
Slope: 0.0 % / 0.0 ° Elevation: 844
62.669617772 Long.: -147.475647926 Datum: WGS84
NWI classification: PEM1H
ar? Yes ● No ○ (If no, explain in Remarks.) htty disturbed? Are "Normal Circumstances" present? Yes ● No ○ problematic? (If needed, explain any answers in Remarks.) Impling point locations, transects, important features, etc.
Is the Sampled Area within a Wetland? Yes No O

			Absolu	to Dominant	Indicator	Dominance Test worksheet:
Tre	e Stratum		% Cov		Status	Number of Dominant Species
1.			. () []		That are OBL, FACW, or FAC: <u>2</u> (A)
2.				\sim		Total Number of Dominant Species Across All Strata: 2 (B)
3.						Percent of dominant Species
4.			(That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
5.			(Prevalence Index worksheet:
		Total Cover:	0			Total % Cover of: Multiply by:
Sap	ling/Shrub Stratum	50% of Total Cover:	0 2	0% of Total Cover:	0	OBL Species $7.1 \times 1 = 7.1$
						FACW Species $1.2 \times 2 = 2.400$
					FACW	FAC Species $0 \times 3 = 0$
					FACW	
3.						
4.						UPL Species x 5 =
						Column Totals: <u>8.3</u> (A) <u>9.5</u> (B)
6.						Prevalence Index = B/A = 1.145
7.						
8.			_(Hydrophytic Vegetation Indicators:
						Dominance Test is > 50%
10.			_(✓ Prevalence Index is ≤3.0
		Total Cover:				Morphological Adaptations ¹ (Provide supporting data in
Her	b Stratum	50% of Total Cover:	0.55	20% of Total Cover:	0.22	Remarks or on a separate sheet)
1.	Comarum palustre		1		OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
2.	Carex aquatilis		5		OBL	¹ Indicators of hydric soil and wetland hydrology must
3.	Eriophorum angustifolium		1		OBL	be present, unless disturbed or problematic.
4.	Equisetum hyemale			1	FACW	
5.	Caray navaiflara		0	1	OBL	Plot size (radius, or length x width) <u>10m</u>
6.						% Cover of Wetland Bryophytes (Where applicable)
						% Bare Ground 0
						Total Cover of Bryophytes 1
			(Hydrophytic
10.		Total Cover:	7.2			Vegetation
		50% of Total Cover:			1.44	Present? Yes • No O
Dom	orkey mand fringe anyone si			le sufficient est		

Remarks: pond fringe, covers given for pond and fringe as a whole. sufficient cover for vegetatated wetland code (see photos).

SOIL

Profile Description: (Describe to the depth n Depth Matrix			dox Features	f indicators)	_	
(inches) Color (moist)	%	Color (moist)	% Тур	e ¹ <u>Loc</u> ²	Texture	Remarks
					- ,	
¹ Type: C=Concentration. D=Depletion				-	annel. M=Matrix	
Hydric Soil Indicators:		Indicators for Pr	oblematic Hyd	ric Soils: ³		
Histosol or Histel (A1)		Alaska Color Cl	nange (TA4) ⁴		Alaska Gleyed Without H	ue 5Y or Redder
Histic Epipedon (A2)		Alaska Alpine s	wales (TA5)	_	Underlying Layer	
Hydrogen Sulfide (A4)		Alaska Redox V	Vith 2.5Y Hue	\checkmark	Other (Explain in Remark	ks)
Thick Dark Surface (A12)		30	1. J 1. 19			
Alaska Gleyed (A13)		and an appropriat			mary indicator of wetland h esent	iyarology,
Alaska Redox (A14)				•		
Alaska Gleyed Pores (A15)		⁴ Give details of co	olor change in Re	emarks		
Restrictive Layer (if present):						
Туре:					Hydric Soil Present	? Yes 🖲 No 🔾
Depth (inches):					.,	
Remarks:						
	hne notation	inundation				
assume hydric soil due to hydrophytic v	egetation and	inundation.				
assume hydric soil due to hydrophytic v	egetation and	inundation.				
assume hydric soil due to hydrophytic v	egetation and	inundation.				
	egetation and	inundation.				
HYDROLOGY	egetation and	inundation.			Secondary Indi	cotors (two or more are required)
HYDROLOGY Wetland Hydrology Indicators:		inundation.				cators (two or more are required)
HYDROLOGY Wetland Hydrology Indicators: _Primary Indicators (any one is sufficien			icible on April I		Water Stai	ned Leaves (B9)
HYDROLOGY Wetland Hydrology Indicators: _Primary Indicators (any one is sufficien Surface Water (A1)		Inundation V		• • • •	Water Stai	ned Leaves (B9) Patterns (B10)
HYDROLOGY Wetland Hydrology Indicators: _Primary Indicators (any one is sufficien Surface Water (A1) High Water Table (A2)		✓ Inundation V ✓ Sparsely Veg	etated Concave S	• • • •	Water Stai	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one is sufficient ✓ Surface Water (A1) High Water Table (A2) Saturation (A3)		✓ Inundation V ✓ Sparsely Veg Marl Deposit:	etated Concave S s (B15)	• • • •	Water Stai Urainage F Oxidized R Presence c	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) ff Reduced Iron (C4)
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