WETLAND DETERMINATION DATA FORM - Alaska Region

B	orough/City:	Matanusk	ka-Susitna Borough Sampling Date: 05-Aug-13
			Sampling Point: SW13_T113_06
	Landform (hill	side, terrac	ce, hummocks etc.): depression
	Slope:		D ° Elevation: 105
Lat.:	62 763049006	 52	Long.: -147.629882097 Datum: NAD83
-			NWI classification: PUBH
of vear	2 Yes	● No ○	
			Normal Circumstances" present? Yes No
			eded, explain any answers in Remarks.)
ng sam	ipling point	locations	s, transects, important features, etc.
	le	the Sam	unled Area
	ļ ,		retiality: 165 5 No 5
it with ou	utlet to the no	rthwest.	
all spe	cies in the	plot.	1
		Indicator	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, GIT AC. 100.070 (A/B)
			Prevalence Index worksheet:
20%	of Total Cover:	n	Total % Cover of: Multiply by:
			OBL Species 12 $x 1 = 12$ FACW Species 0 $x 2 = 0$
			FAC Species 3 x 3 = 9 FACU Species 0 x 4 = 0
			UPL Species 0 x 5 = 0
	П		Column Totals:15 (A)21 (B)
	П		Prevalence Index = B/A = 1.400
0			Hydrophytic Vegetation Indicators:
0			✓ Dominance Test is > 50%
0			✓ Prevalence Index is ≤3.0
0			Morphological Adaptations (Provide supporting data in
) 20%	6 of Total Cover	:0	Remarks or on a separate sheet)
3	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
		OBL	¹ Indicators of hydric soil and wetland hydrology must
10		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
-	_		
0			Uzdrankida
0 15			Hydrophytic Vegetation Present? Yes No
	Lat.: _ e of year inificantly turally pr ng sam it with or all spe bbsolute 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Landform (hills Slope: Lat.: 62.763049006 e of year? Yes Yes Initiative Yes Yes	Landform (hillside, terrace Slope: % / 5.0 Lat.: 62.7630490062 e of year? Yes No printicantly disturbed? Are "No turally problematic? (If need may be supported by the support of the su

US Army Corps of Engineers Alaska Version 2.0

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Padray Features

Type: C=Concentration. D=Depletion. RM=Reduced Matrix Tocation: PL=Pore Lining, RC=Boot Channel. N=Matrix	Depth	Matrix							
Hydric Soil Indicators: Histosol or Histel (A1) Alaska Color Change (TA5) Alaska Gleyed Without Hue 5Y or Redder Underlying Layer Underlying Layer Underlying Layer Underlying Layer (Inderlying Layer Underlying Layer) Alaska Gleyed (A13) Alaska Alapine swales (TA5) Cher (Explain in Remarks) Other (Explain in Remarks) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed Pores (A15) Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer (Indicators (A15) Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer (Indicators (A15) Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer (Indicators (A15) Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer (Indicators (A15) Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer (Indicators (A15) Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer (Indicators (A15) Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer (Indicators (A15) Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer (Indicators (A15) Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer (Indicators (A15) Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer (Indicators (A15) Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer (Indicators (A15) Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer (Indicators (A15) Alaska Gleyed Mithout Hue 5Y or Redder Halaska Gleyed Mithout Hue 5Y or Redder Underlying Layer (A15) Alaska Gleyed Mithout Hue 5Y or Redderly Alaska Gleyed Mithout Hue 5Y or Redderly Alaska Redderly Alaska Redderly Layer (A15) Alaska Redderly Layer (A15) A	<i>a</i> i ,	noist)	<u>%</u>	Color (moist)	%	Type ¹	_Loc_2	Texture	Remarks
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Hydric Soil Indicators: Histosoi or Histel (A1)									_
Hydric Soil Indicators: Histosol or Histel (A1)									_
Hydric Soil Indicators: Histosol or Histel (A1)									
Hydric Soil Indicators: Histosol or Histel (A1)									
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Hydric Soil Indicators: Histosol or Histel (A1)	1Times C. Concentration			and Matrix 2 Leasting		- Lining D		nnal M. Matrix	
Histosol or Histel (A1)		=Depletion.	RM=Reduc			_		nnei. M=Matrix	
Histic Epipedon (A2)						4	oils: ¯		
Thick Dark Surface (A12)						-			Hue 5Y or Redder
Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed Pores (A15) **Give details of color change in Remarks **Restrictive Layer (if present): Type: Depth (inches): **Remarks: **Remarks: **Secondary Indicators (two or more are required) Derainage Patterns (B10) Derainage Patterns (B10) Dorialnage					•	•	✓		arke)
Alaska Gieyed (A13) Alaska Redox (A14) Alaska Redox (A14) Alaska Redox (A14) Alaska Redox (A15) Alaska Redox (A16) Alaska Redox (A17) Alaska Redox (A17) Alaska Redox (A18) Alaska Redo	_ ′ • ` ′			☐ Alaska Redox W	Vith 2.5Y F	lue	<u> </u>	Other (Explain in Rema	iiks)
Alaska Revok (A14) Alaska Redox (A14) Alaska Redox (A14) Alaska Redox (A15) Restrictive Layer (if present): Type: Depth (inches): Remarks: Remarks: Remarks: Remarks: Remarks: Restrictive Layer (if present): Type: Depth (inches): Remarks:		2)		³ One indicator of	hydrophyt	tic vegetatio	on, one prim	nary indicator of wetland	hydrology,
Alaska Gleyed Pores (A15) Restrictive Layer (if present): Type: Depth (inches): Remarks: Restrictive Layer (if present): Type: Depth (inches): Remarks: Remarks: Hydric Soil Present? Yes No No No Depth (inches): Hydric Soil Present? Yes No Depth (inches): Hydric Soil Present? Yes No Depth (inches): Wetland Hydrology Indicators:									
Restrictive Layer (if present? Yes No Pepth (inches): Type: Depth (inches): Remarks: Remarks:	_ ` ′	15)		4 Give details of co	olor change	e in Remarl	cs		
Type: Depth (inches): Nemarks: Sexume hydric soil due to hydrophytic vegetation and inundation. NYDROLOGY Netland Hydrology Indicators: Frimary Indicators (any one is sufficient) Water Stained Leaves (99) Wetland Hydrology Indicators: Secondary Indicators (two or more are required) Water Stained Leaves (99) Water Stained Leaves (99) Drainage Patterns (B10) High Water Table (A2) Saturation (A3) Marl Deposits (B15) Seturation (A3) Marl Deposits (B15) Presence of Reduced Iron (C4) Salt Deposits (B3) Other (Explain in Remarks) Microtopographic Relief (D4) Shallow Aquitard (D3) Microtopographic Relief (D4) Saturation Resent? Surface Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:									
PURCLOGY Wetland Hydrology Indicators: Primary Indicators (any one is sufficient) Surface Water (A1) High Water Table (A2) Sparsely Vegetated Concave Surface (B8) Water Marks (B1) Water Marks (B1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Drift Deposits (B3) Other (Explain in Remarks) Wetland Hydrology Indicators: Secondary Indicators (two or more are required) Water Stained Leaves (B9) Water Stained Leaves (B9) Drainage Patterns (B10) Marl Deposits (B15) Presence of Reduced Iron (C4) Salt Deposits (C5) Sunted or Stressed Plants (D1) Geomorphic Position (D2) Saltalow Aquitard (D3) Iron Deposits (B5) Snallow Aquitard (D3) Microtopographic Relief (D4) FAC-neutral Test (D5) FAC-neutral Test (D5) FAC-neutral Test (D5) FAC-neutral Test (D5) Saturation Present? Yes No Depth (inches): Depth (inches): Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:								Hydric Soil Preser	at? Yes No
Image: Secondary Indicators (two or more are required)	**							Tryuric 3011 Freser	it: les C NO C
Wetland Hydrology Indicators: Primary Indicators (any one is sufficient) Surface Water (A1) High Water Table (A2) Saturation (A3) Marl Deposits (B15) Sediment Deposits (B2) Drift Deposits (B3) Microtopographic Relief (D4) Surface Soil Cracks (B6) Surface Water Present? Primary Indicators (any one is sufficient) Water Stained Leaves (B9) Drainage Patterns (B10) Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4) Saturation (A3) Marl Deposits (B15) Presence of Reduced Iron (C4) Salt Deposits (C5) Sediment Deposits (B2) Drift Deposits (B3) Other (Explain in Remarks) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) Field Observations: Surface Water Present? Yes No Depth (inches): 24 Water Table Present? Yes No Depth (inches): Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:		drophytic ve	getation an	d inundation.			1		
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□ Algal Mat or Crust (B4) □ Iron Deposits (B5) □ Surface Soil Cracks (B6) □ FAC-neutral Test (D5) □ Surface Water Present? Yes ○ No ○ Depth (inches): 24 Water Table Present? Yes ○ No ○ Depth (inches): Wetland Hydrology Present? Yes ○ No ○ Depth (inches): Obescribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	IYDROLOGY Wetland Hydrology Indi Primary Indicators (any on Surface Water (A1) High Water Table (A2) Saturation (A3)	cators: e is sufficient)		Inundation Vi Sparsely Vege Marl Deposits	etated Cor s (B15)	ncave Surfa		Water St Drainage Oxidized Presence	ained Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3) of Reduced Iron (C4)
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