WETLAND DETERMINATION DATA FORM - Alaska Region

		Matanusk	a-Susitna Borough Sampling Date: 04-Aug-13		
			Sampling Point: SW13_T150_05		
L	Landform (hillside, terrace, hummocks etc.): Kettle				
	Slope: 0.0	%/ 0.0	0 ° Elevation: 771		
Lat.: 6	63.329394221 Long.: -148.285742164 Datum: WGS84				
			NWI classification: PEM1E		
time of year?	Yes		(If no, explain in Remarks.)		
significantly naturally pro	disturbed? bblematic?	Are "N (If nee	Iormal Circumstances" present? Yes No		
C					
С	Is the Sampled Area				
С	wi	ithin a W	/etland? Yes $ullet$ No $igloodow$		
	cies in the	plot.			
Absolute	Dominant	Indicator	Dominance Test worksheet:		
% Cover	Species?	Status	Number of Dominant Species		
0			That are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant		
0			Species Across All Strata: 1 (B)		
			Percent of dominant Species		
0			That Are OBL, FACW, or FAC: (A/B)		
0			Prevalence Index worksheet:		
er:			Total % Cover of: Multiply by:		
0 20% c	of Total Cover:	0	OBL Species <u>85</u> x 1 = <u>85</u>		
0			FACW Species <u>0.1</u> x 2 = <u>0.200</u>		
0			FAC Species x 3 =		
0			FACU Species <u>0</u> x 4 = <u>0</u>		
0			UPL Species x 5 =		
0			Column Totals: <u>85.1</u> (A) <u>85.20</u> (B)		
0					
0			Prevalence Index = B/A = 1.001		
0			Hydrophytic Vegetation Indicators:		
0					
			Hydrophytic Vegetation Indicators:		
0	of Total Cover	 	Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50% ✓ Prevalence Index is ≤ 3.0 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
0 0 er: 0	of Total Cover		Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50% ✓ Prevalence Index is ≤3.0 ✓ Morphological Adaptations ¹ (Provide supporting data in		
0 0 0 0 0 20%			Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50% ✓ Prevalence Index is ≤ 3.0 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must		
$\begin{array}{c} & & 0 \\ & & 0 \\ & & 0 \\ \end{array}$		OBL	Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50% ✓ Prevalence Index is ≤ 3.0 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)		
$\begin{array}{c} & 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$		OBL OBL	Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50% ✓ Prevalence Index is ≤3.0 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
$\begin{array}{c} & 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$		OBL OBL FACW	Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50% ✓ Prevalence Index is ≤ 3.0 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Plot size (radius, or length x width) 10m		
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$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$		OBL OBL FACW	Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50% ✓ Prevalence Index is ≤3.0 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Plot size (radius, or length x width) 10m % Cover of Wetland Bryophytes (Where applicable) —		
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$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$		OBL OBL FACW	Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50% ✓ Prevalence Index is ≤ 3.0 △ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ○ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes		
	Lat.: 6 time of year? significantly naturally pro owing sam owing sam 	Slope: 0.0 Lat.: 63.32939422 time of year? Yes significantly disturbed? naturally problematic? owing sampling point owing sampling point Is with hagery. List all species in the Absolute Dominant % Cover Species? 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Slope: 0.0 % / 0.0 Lat.: 63.329394221 time of year? Yes No Significantly disturbed? Are "N naturally problematic? (If nee powing sampling point locations Is the Sam within a W hagery. List all species in the plot. Absolute Dominant Indicator % Cover Species? Status 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) Matrix Redox Features									
Depth (inches)	Color (moist)		Color (moist)	<u>%</u> <u>Type</u> ¹	Loc 2	Texture	Remarks		
							·		
	u					<u> </u>			
¹ Tvpe: C=Cor	ncentration. D=Depletio	on. RM=Reduc	ed Matrix ² Location	n: PL=Pore Lining, F	- RC=Root Cha	annel. M=Matrix			
	·	////							
Hydric Soil I			_	roblematic Hydric S	Solis:				
	Histel (A1)		Alaska Color Ch		L	Alaska Gleyed Without Hue 5Y or Redder Underlying Layer			
Histic Epip			Alaska Alpine s			Other (Explain in Remark			
Hydrogen				VIUI 2.51 Flue			5)		
Alaska Gle	(Surface (A12)					mary indicator of wetland h	ıydrology,		
Alaska Gle			and an appropriat	te landscape position	n must be pre	esent			
	eyed Pores (A15)		⁴ Give details of co	olor change in Remai	rks				
Restrictive Laye	er (if present):								
Type: activ	ve layer (frozen)					Hydric Soil Present	? Yes 🖲 No 🔿		
Depth (inch	nes): 17					-			
Remarks:									
	ing through wetland. p	robing indicate	es depth of frozen so	ils.					
	5 -	-							
HYDROLO	GY								
Wetland Hyd	rology Indicators:					Secondary Indi	cators (two or more are required)		
Primary Indica	tors (any one is sufficie	ent)				Water Stai	ned Leaves (B9)		
Surface Water (A1)			Inundation V	isible on Aerial Imag	jery (B7)	Drainage F	Patterns (B10)		
High Wate	High Water Table (A2) Sparsely Vegetated Concave Surface (B8)				ace (B8)	Oxidized R	hizospheres along Living Roots (C3)		
	Saturation (A3) Marl Deposits (B15)					of Reduced Iron (C4)			
Water Ma			Hydrogen Su	lfide Odor (C1)		Salt Depos			
	Deposits (B2)			Water Table (C2)		_	Stressed Plants (D1)		
Drift Depo	. ,		Other (Explai	in in Remarks)			ic Position (D2)		
	or Crust (B4)					Shallow Ac	,		
✓ Iron Depo	. ,						graphic Relief (D4)		
	oil Cracks (B6)				<u> </u>	✓ FAC-neutra	Il Test (D5)		
Field Observa				_					
Surface Water		• No ()	Depth (inche	.s): 2			$\hat{}$		
Water Table P	_		Depth (inche	<u>:</u> s):	Wetla	nd Hydrology Presen	t? Yes 🖲 No 🔾		
Saturation Pre (includes capil	YAC	○ No ●	Depth (inche	2s):					
Describe Record	ded Data (stream gaug	je, monitor we	ll, aerial photos, pre	vious inspection) if a	vailable:				

Remarks:

water table at/slightly above surface. iron floc and biogenic sheen. h2s odor when walking through community.