WETLAND DETERMINATION DATA FORM - Alaska Region

Borough/City:	Matanuska-Susitna Borough Sampling Da	te: 04-Jul-13				
	Sampling Point:	SW13_T109_06				
Landform (hills	side, terrace, hummocks etc.): Hillside					
Slope: 17.6	% / 10.0 ° Elevation: 654					
62.866992235	Long.: -148.312015176	Datum: WGS84				
	NWI classification: Up	land				
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation						
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.						
	Landform (hills Slope: 17.6 :: 62.866992235 ear? Yes (antly disturbed? y problematic?	Sampling Point: Landform (hillside, terrace, hummocks etc.): Hillside Slope: 17.6 % / 10.0 ° Elevation: 654 .: 62.866992235 Long.: -148.312015176 NWI classification: Uplear? Yes • No ○ (If no, explain in Remarks.) antly disturbed? Are "Normal Circumstances" present? y problematic? (If needed, explain any answers in Remarks.)				

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes ● Yes ○ Yes ●	No 🖲	Is the Sampled Area within a Wetland?	Yes 🔿 No 🖲
Remarks: DUNN SITE 1402 SOIL 1403				

VEGETATION - Use scientific names of plants. List all species in the plot.

		۵he	Absolute Dominant		Indicator	Dominance Test worksheet:		
Tree Stratum		% Cover		Species?	Status	Number of Dominant Species		
1.	Picea glauca		_	4	\checkmark	FACU	That are OBL, FACW, or FAC:(A)	
2.	Picea mariana			3	\checkmark	FACW	Total Number of Dominant Species Across All Strata: 5 (B)	
3.				0			Percent of dominant Species	
4.				0			That Are OBL, FACW, or FAC: 80.0% (A/B)	
5.			_	0			Prevalence Index worksheet:	
Total Cover:		:				Total % Cover of: Multiply by:		
Sap	ling/Shrub Stratum	50% of Total Cover:	3.5	20%	of Total Cover:	1.4	OBL Species x 1 =	
1.	Betula nana			10		FAC	FACW Species <u>3.1</u> x 2 = <u>6.2</u>	
2.	Ledum groenlandicum		-	20	\checkmark	FAC	FAC Species <u>101.3</u> x 3 = <u>303.9</u>	
3.	Vaccinium uliginosum			35	\checkmark	FAC	FACU Species <u>6.1</u> x 4 = <u>24.4</u>	
4.	Vacainium vitia idaga			15		FAC	UPL Species x 5 =	
5.	Enanctrum nigrum			10		FAC	Column Totals: 110.5 (A) 334.5 (B)	
6.	Rosa acicularis			2		FACU		
7.	Salix glauca		_	0.1		FAC	Prevalence Index = B/A = <u>3.027</u>	
8.	Salix pseudomonticola			0.1		FAC	Hydrophytic Vegetation Indicators:	
9.				0.1		FAC	✓ Dominance Test is > 50%	
10.			_	0			Prevalence Index is ≤ 3.0	
		Total Cover	: _	92.3			Morphological Adaptations ¹ (Provide supporting data in	
Herb Stratum 50% of Total Cover: 46		46.15	_ 20%		18.46	Remarks or on a separate sheet)		
1.	Equisetum sylvaticum		_	10	\checkmark	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)	
2.	Cornus suecica		_	1		FAC	¹ Indicators of hydric soil and wetland hydrology must	
3.	Pedicularis labradorica		_	0.1		FACW	be present, unless disturbed or problematic.	
4.	Geocaulon lividum		_	0.1		FACU	Plot size (radius, or length x width) <u>10m</u>	
5.			-	0			% Cover of Wetland Bryophytes 15	
6.			_	0			(Where applicable)	
7.			_	0			% Bare Ground	
8.			_	0			Total Cover of Bryophytes40	
9.			_	0				
10.			-	0			Hydrophytic	
Total Cover: <u>11.2</u>						Vegetation Present? Yes • No ·		
50% of Total Cover: <u>5.6</u> 20% of Total Cover: <u>2.24</u> Present? Yes NO C								
Rem	Remarks: LICHEN 10%							

Profile Description	e Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) Matrix Redox Features						itors)				
(inches)	Color (mo	ist)	%	Color (moist)	%	Type ¹	Loc 2	Texture	Remarks		
0-4								Fibric Organics			
4-10	10YR	3/2						Sandy Clay Loam	with coarse sand		
10-14		3/2				,		Sandy Clay Loam	with sandy angular gravel and larger angula		
					-			- <u></u>			
¹ Type: C=Con	centration. D=	Depletion.	RM=Reduce	ed Matrix ² Location	: PL=Pore	e Lining. RC:	=Root Cha	annel. M=Matrix			
Hydric Soil Ir	dicators:			Indicators for Pro	oblematio	: Hydric So	ils: ³				
Histosol or	Histel (A1)			Alaska Color Ch	ange (TA4	4 1)] Alaska Gleyed Without H	lue 5Y or Redder		
Histic Epipe	edon (A2)			Alaska Alpine sv	wales (TAS	5)	_	Underlying Layer			
Hydrogen :	Sulfide (A4)			Alaska Redox W	/ith 2.5Y F	lue	L	Other (Explain in Remar	ks)		
Thick Dark	Surface (A12))		3 One indicator of l							
Alaska Gley	/ed (A13)			and an appropriate	e landscap	e position m	i, one prir iust be pri	mary indicator of wetland l esent	lydrology,		
Alaska Red	. ,			⁴ Give details of co	lor change	a in Pomarka					
Alaska Gley	ed Pores (A1	5)					, 				
Restrictive Laye	r (if present):										
Туре:								Hydric Soil Present	:? Yes 🔾 No 🖲		
Depth (inch	es):										
Remarks:											
Soil too rocky a	nd thixotropic	to dig beyo	nd 14 in. La	rge angular cobbles	(3 in) at 1	4in but no p	orimary hy	dric soil indicators.			
HYDROLO											
Wetland Hydr									icators (two or more are required)		
Primary Indicat		s sufficient						_	ined Leaves (B9)		
Surface W	. ,			Inundation Vi		-			Patterns (B10)		
High Wate	. ,			Sparsely Vege		icave Surfac	e (B8)	Oxidized Rhizospheres along Living Roots (C3)			
Saturation	. ,			Marl Deposits	• •				of Reduced Iron (C4)		
Water Mar				Hydrogen Sul				Salt Depos			
	Deposits (B2)			Dry-Season W		• •			Stressed Plants (D1)		
Drift Depo	. ,			Other (Explain	n in Rema	rks)			ic Position (D2)		
	or Crust (B4)								quitard (D3)		
Iron Depo	sits (B5) bil Cracks (B6)								graphic Relief (D4) al Test (D5)		
Field Observa											
Surface Water			No 🖲	Depth (inches	-).						
					,		W at -	nd Hydrology Preser	nt? Yes $ullet$ No $igodom$		
Water Table P				Depth (inches	5): 11		wetta	na nyarology Preser	it fes ind it		
Saturation Pre (includes capil		Yes 🖲	No \bigcirc	Depth (inches	5): 6						
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
Demode											
Remarks:											