## WETLAND DETERMINATION DATA FORM - Alaska Region

Borough/City:	Matanuska-Susitna Borough Samp	oling Date: 06-Aug-13
	Sampling Poi	int: SW13_T161_03
Landform (hills	de, terrace, hummocks etc.): Knot	0
Slope: 5.2	% / <u>3.0</u> • Elevation: <u>1383</u>	
63.3308745548	Long.: -148.519293582	Datum: WGS84
	NWI classificatio	on: Upland
r? Yes ( tly disturbed? problematic?	Are "Normal Circumstances" prese	ent? Yes  No
mpling point I	ocations, transects, important	features, etc.
t	ly disturbed? problematic?	ly disturbed? Are "Normal Circumstances" prese

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes () Yes () Yes ()	No 💿 No 💿 No 💿	Is the Sampled Area within a Wetland?	Yes 🔿 No 🖲
Remarks: top of a knob				

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

		Abso	luto	Dominant	Indicator	Dominance Test worksheet:
Tre	e Stratum	% Co		Species?	Status	Number of Dominant Species
1.		-	0			That are OBL, FACW, or FAC: (A)
2.	,	-	0			Total Number of Dominant
		-	<u> </u>			Species Across All Strata:4 (B)
3.		-	0			Percent of dominant Species
4.		_	0			That Are OBL, FACW, or FAC:(A/B)
5.		_	0			Prevalence Index worksheet:
	Total Cover:		0			Total % Cover of: Multiply by:
Sap	ling/Shrub Stratum 50% of Total Cover:	0	20%	of Total Cover:	0	OBL Species x 1 =
1.	Cassiope tetragona		15	$\checkmark$	FACU	FACW Species <u>5.1</u> x 2 = <u>10.2</u>
2.	Vaccinium vitis-idaea		4		FAC	FAC Species <u>9.1</u> x 3 = <u>27.30</u>
3.	Salix polaris		5	$\checkmark$	FACW	FACU Species 22 x 4 = 88
4.			0			UPL Species 0 x 5 = 0
5.			0			Column Totals: 36.2 (A) 125.5 (B)
6.			0			
			0			Prevalence Index = B/A = <u>3.467</u>
			0			Hydrophytic Vegetation Indicators:
			0			Dominance Test is > 50%
		_	0			Prevalence Index is $\leq 3.0$
	Total Cover:	2	24			Morphological Adaptations <sup>1</sup> (Provide supporting data in
Her	b Stratum 50% of Total Cover:	12	20%	of Total Cover:	4.8	Remarks or on a separate sheet)
1.	Anthoxanthum monticola ssp. alpinum	_	5	$\checkmark$	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
2.	Carex bigelowii	_	1		FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
3.	Gentiana glauca		0.1		FAC	be present, unless disturbed or problematic.
4.	Carex microchaeta		4	$\checkmark$	FAC	Diat size (radius, ar length y width)
5.	Artemisia norvegica	-	1		FACU	Plot size (radius, or length x width) <u>10m</u>
6.	Anemone narcissiflora		1		FACU	% Cover of Wetland Bryophytes (Where applicable)
7.	Luzula rufescens	_	0.1		FACW	% Bare Ground35
8.			0			Total Cover of Bryophytes 20
9.			0			
			0			Hydrophytic
	Total Cover:		22			Vegetation
	50% of Total Cover:			of Total Cover:	2.44	Present? Yes No •
<b>D</b> .						1
кет	arks:					

	•	e depth nee <b>atrix</b>	ded to docum	nent the indicator or cor	firm the abse Iox Featur		ators)		
Depth — (inches)	Color (mois		%	Color (moist)	%	Type <sup>1</sup>	Loc 2	Texture	Remarks
0-1		<u>()</u>	100			Туре	LOC	Fibric Organics	fibric w few ang gravel
	10VD	2/2						Sandy Loam	-
1-11	10YR	3/2	100		- <u></u>				ang gravel
	,								
<sup>1</sup> Type: C=Conce	ntration. D=[	Pepletion.	RM=Reduce	ed Matrix <sup>2</sup> Location		-		nnel. M=Matrix	
Hydric Soil Indi	icators:			Indicators for Pro		4	oils:	_	
Histosol or Hi	istel (A1)			Alaska Color Ch				Alaska Gleyed Without H	lue 5Y or Redder
Histic Epipedo	on (A2)			Alaska Alpine s	• • •		_	Underlying Layer	
Hydrogen Sul	lfide (A4)			Alaska Redox V	Vith 2.5Y Hu	le		Other (Explain in Remar	ks)
Thick Dark Su	urface (A12)			3 One indicator of	bydropbytic	voqotatic	n one prin	nary indicator of wetland	avdrology.
Alaska Gleyed				and an appropriat					nyurology,
Alaska Redox				<sup>4</sup> Give details of co	lor change	in Pomarl	(C		
Alaska Gleyed	d Pores (A15)				nor change				
Restrictive Layer (	if present):								
Type: bedroc	k							Hydric Soil Present	:? Yes 🔿 No 🖲
Depth (inches)	): 11								
Remarks:									
no hydric soil indic	cators observe	ed							
HYDROLOG	Y								
HYDROLOG		Drs:						_Secondary Ind	icators (two or more are required)
	ogy Indicat								icators (two or more are required) ined Leaves (B9)
Wetland Hydrol	ogy Indicates (any one is			Inundation Vi	isible on Ae	rial Image	гу (В7)	Water Sta	
Wetland Hydrol	ogy Indicato s (any one is er (A1)			Inundation Vi Sparsely Vege		-		Water Sta	ined Leaves (B9)
Wetland Hydrold Primary Indicator Surface Wate High Water T Saturation (A	ogy Indicato is (any one is er (A1) Table (A2) A3)			Sparsely Vege	etated Conc 5 (B15)	ave Surfa		Water Sta	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3) of Reduced Iron (C4)
Wetland Hydrold           Primary Indicator:           Surface Water           High Water 1           Saturation (A           Water Marks	ogy Indicate s (any one is er (A1) Table (A2) A3) s (B1)			Sparsely Vege Marl Deposits Hydrogen Sul	etated Conc ; (B15) Ifide Odor (1	ave Surfa		Water Sta	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5)
Wetland Hydrold         Primary Indicator         Surface Wate         High Water T         Saturation (A         Water Marks         Sediment De	ogy Indicate (A1) (A2) (A3) (B1) (B1) (B2) (B2) (B2)			Sparsely Vege Marl Deposits Hydrogen Sul Dry-Season V	etated Conc 5 (B15) Ifide Odor (9 Vater Table	ave Surfa C1) (C2)		Water Sta Drainage Oxidized F Presence Salt Depo	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) r Stressed Plants (D1)
Wetland Hydrold         Primary Indicator:         Surface Wate         High Water T         Saturation (A         Water Marks         Sediment De         Drift Deposite	ogy Indicate s (any one is er (A1) Table (A2) A3) c (B1) eposits (B2) s (B3)			Sparsely Vege Marl Deposits Hydrogen Sul	etated Conc 5 (B15) Ifide Odor (9 Vater Table	ave Surfa C1) (C2)		Water Sta Drainage Oxidized F Presence Salt Depo Stunted o Geomorph	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) r Stressed Plants (D1) hic Position (D2)
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Wetland Hydrold         Primary Indicator:         Surface Wate         High Water 1         Saturation (A         Water Marks         Sediment De         Drift Deposit:         Algal Mat or         Iron Deposits	ogy Indicate s (any one is er (A1) Table (A2) A3) c (B1) c (B1) s (B3) Crust (B4) s (B5)			Sparsely Vege Marl Deposits Hydrogen Sul Dry-Season V	etated Conc 5 (B15) Ifide Odor (9 Vater Table	ave Surfa C1) (C2)		Water Stal	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) r Stressed Plants (D1) nic Position (D2) quitard (D3) graphic Relief (D4)
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