WETLAND DETERMINATION DATA FORM - Alaska Region

	rough/City:	Denali Bo	rough Sampling Date: 30-Jul-13
	-		Sampling Point: SW13_T212_09
L	andform (hills	ide, terrace	e, hummocks etc.): Floodplain
ıı <u>6</u>	3.384763241		
		-	NWI classification: PSS1C
-			(If no, explain in Remarks.)
-			ormal Circumstances" present? Yes ● No ○
lly pro	blematic?	(If nee	ded, explain any answers in Remarks.)
sam	pling point l	ocations	s, transects, important features, etc.
			·
	ls t	he Sam	
	wit	hin a W	etland? Yes ◉ No ○
ated 6	everv vear) co	bble bar or	n the Jack River. it is located between the main channel
	, , , , , , , , , , , , ,		
spec	cies in the p	lot.	Burton Turk of Line
			Dominance Test worksheet: Number of Dominant Species
	Species?	Status	That are OBL, FACW, or FAC:2(A)
			Total Number of Dominant
			Species Across All Strata: 4 (B)
			Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)
			Prevalence Index worksheet:
	of Total Cover:	0	Total % Cover of: Multiply by:
20/00			OBL Species 0 x 1 = 0
10		FACU	FACW Species 2.2 x 2 = 4.4
15	✓	FAC	FACUS Species 23.1 x 3 = 69.30
			FACU Species 15.4 x 4 = 61.60
			UPL Species <u>0.1</u> x 5 = <u>0.500</u>
		FACU	Column Totals: <u>40.8</u> (A) <u>135.8</u> (B)
			Prevalence Index = B/A =3.328
			Hydrophytic Vegetation Indicators:
			Dominance Test is > 50%
			☐ Prevalence Index is ≤3.0
	of Total Cover:	6.02	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
3	✓	FAC	✓ Problematic Hydrophytic Vegetation ¹ (Explain)
_			
0.1		FACU	1 Indicators of hydric soil and wetland hydrology must
0.1		FACU FACU	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
0.1		FACU	be present, unless disturbed or problematic.
			be present, unless disturbed or problematic. Plot size (radius, or length x width)
0.1		FACU	be present, unless disturbed or problematic. Plot size (radius, or length x width) % Cover of Wetland Bryophytes
0.1 0.1 0.1		FACU FACW FAC	be present, unless disturbed or problematic. Plot size (radius, or length x width) % Cover of Wetland Bryophytes (Where applicable)
0.1 0.1 0.1 2		FACU FACW FAC FAC	be present, unless disturbed or problematic. Plot size (radius, or length x width) % Cover of Wetland Bryophytes (Where applicable)
0.1 0.1 0.1 2 5		FACU FAC FAC FAC	be present, unless disturbed or problematic. Plot size (radius, or length x width) % Cover of Wetland Bryophytes (Where applicable) % Bare Ground
0.1 0.1 0.1 2 5 0.1		FACU FAC FAC FAC UPL	be present, unless disturbed or problematic. Plot size (radius, or length x width) % Cover of Wetland Bryophytes (Where applicable) % Bare Ground
0.1 0.1 0.1 2 5 0.1 0.1		FACU FAC FAC FACU UPL FACU	be present, unless disturbed or problematic. Plot size (radius, or length x width) % Cover of Wetland Bryophytes (Where applicable) % Bare Ground Total Cover of Bryophytes
	specific samulation of the control o	gat.: 63.384763241 year? Yes cantly disturbed? sampling point I ls t wit dated every year) col species in the p outpute Dominant Species? 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	year? Yes No Cantly disturbed? Are "Nally problematic? (If nee sampling point locations ls the Sam within a Wallated every year) cobble bar of species in the plot. Species in the plot. Species? Indicator Status

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SOIL Sampling Point: SW13_T212_09

Depth (inches)	Matrix			firm the absence ox Features			
	Color (moist)	% (Color (moist)	<u>%</u> T	ype ¹ Loc ²	2 Texture	Remarks
							_
						-	
							_
							_
							_
							_
							_
Type: C=Conc	centration. D=Depleti	on. RM=Reduced	Matrix ² Location	: PL=Pore Lin	ning. RC=Root C	hannel. M=Matrix	
lydric Soil Inc	dicators:	I	ndicators for Pro	blematic Hy	ydric Soils: ³		
Histosol or H	Histel (A1)		Alaska Color Ch	ange (TA4)	[Alaska Gleyed Without	Hue 5Y or Redder
Histic Epipe	edon (A2)		Alaska Alpine sv	vales (TA5)		Underlying Layer	
Hydrogen S	Sulfide (A4)		Alaska Redox W	ith 2.5Y Hue	ļ	✓ Other (Explain in Rema	rks)
Thick Dark 9	Surface (A12)		3				
Alaska Gleye	ed (A13)		One indicator of land an appropriate			rimary indicator of wetland	hydrology,
Alaska Redo	ox (A14)				·	resent	
Alaska Gleye	ed Pores (A15)		⁴ Give details of co	lor change in	Remarks		
estrictive Layer	(if present):						
Type:						Hydric Soil Presen	it? Yes No
Depth (inche	es):					-	
YDROLOG							
	ology Indicators:					Secondary Inc	dicators (two or more are required)
	ors (any one is suffici	ent)					ained Leaves (B9)
Surface Wa			☐ Inundation Vis	sible on Aerial	l I (DZ)		` '
	r Table (A2)				i imagery (B/)	✓ Drainage	Patterns (B10)
High Water	(Δ3)		= -, ,				Patterns (B10) Rhizospheres along Living Roots (C3
☐ High Water☐ Saturation ((73)		Marl Deposits		re Surface (B8)	Oxidized	` '
Saturation (• •		Marl Deposits Hydrogen Sulf	(B15)	re Surface (B8)	Oxidized	Rhizospheres along Living Roots (C3 of Reduced Iron (C4)
Saturation (• •		Hydrogen Sulf	(B15) fide Odor (C1)	re Surface (B8)	Oxidized Presence Salt Depo	Rhizospheres along Living Roots (C3 of Reduced Iron (C4)
Saturation (Water Mark Sediment D	ks (B1) Deposits (B2)			(B15) fide Odor (C1) /ater Table (C	re Surface (B8))	Oxidized Presence Salt Depo	Rhizospheres along Living Roots (C3 of Reduced Iron (C4) osits (C5)
Saturation (Water Mark Sediment D Drift Depos	ks (B1) Deposits (B2)		Hydrogen Sulf	(B15) fide Odor (C1) /ater Table (C	re Surface (B8))	Oxidized Presence Salt Depo Stunted of Geomorp	Rhizospheres along Living Roots (C3 of Reduced Iron (C4) osits (C5) or Stressed Plants (D1)
Saturation (Water Mark Sediment D Drift Depos	cks (B1) Deposits (B2) Sits (B3) Or Crust (B4)		Hydrogen Sulf	(B15) fide Odor (C1) /ater Table (C	re Surface (B8))	Oxidized Presence Salt Depo Stunted of Geomorp Shallow A	Rhizospheres along Living Roots (C3 of Reduced Iron (C4) osits (C5) or Stressed Plants (D1) hic Position (D2)
Saturation (Water Mark Sediment D Drift Depos Algal Mat of	cks (B1) Deposits (B2) Sits (B3) Or Crust (B4)		Hydrogen Sulf	(B15) fide Odor (C1) /ater Table (C	re Surface (B8))	Oxidized Presence Salt Depo Stunted of Geomorp Shallow A	Rhizospheres along Living Roots (C3 of Reduced Iron (C4) osits (C5) or Stressed Plants (D1) hic Position (D2) Aquitard (D3)
Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi	ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) il Cracks (B6)		Hydrogen Sulf	(B15) fide Odor (C1) /ater Table (C	re Surface (B8))	Oxidized Presence Salt Depo Stunted of Geomorp Shallow A	Rhizospheres along Living Roots (C3 of Reduced Iron (C4) osits (C5) or Stressed Plants (D1) hic Position (D2) Aquitard (D3) ographic Relief (D4)
Saturation (Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi	ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) il Cracks (B6)	○ No •	Hydrogen Sulf	(B15) fide Odor (C1) fater Table (Ci n in Remarks)	re Surface (B8))	Oxidized Presence Salt Depo Stunted of Geomorp Shallow A	Rhizospheres along Living Roots (C3 of Reduced Iron (C4) osits (C5) or Stressed Plants (D1) hic Position (D2) Aquitard (D3) ographic Relief (D4)
Saturation (Water Mark Sediment D Drift Depos Algal Mat of Iron Deposi Surface Soi Surface Water F	ks (B1) Deposits (B2) Sits (B3) Or Crust (B4) Sits (B5) Il Cracks (B6) Ltions: Present? Yes	No ●No ●	Hydrogen Sulf	(B15) fide Odor (C1) fater Table (Ci n in Remarks)	re Surface (B8)	Oxidized Presence Salt Depo Stunted of Geomorp Shallow A	Rhizospheres along Living Roots (C3 of Reduced Iron (C4) osits (C5) or Stressed Plants (D1) hic Position (D2) Aquitard (D3) ographic Relief (D4) ral Test (D5)
Saturation (Water Mark Sediment D Prift Depos Algal Mat or Iron Deposi Surface Soi ield Observat Surface Water F Water Table Pre Saturation Presi	ks (B1) Deposits (B2) Sits (B3) Or Crust (B4) Sits (B5) Il Cracks (B6) Ltions: Present? Yes Sent? Vac	_	Hydrogen Sulf Dry-Season W Other (Explain	(B15) fide Odor (C1) fater Table (Ci n in Remarks) s):	re Surface (B8)	Oxidized Presence Salt Depo Stunted of Geomorp Shallow A Microtopo FAC-neut	Rhizospheres along Living Roots (C3 of Reduced Iron (C4) osits (C5) or Stressed Plants (D1) hic Position (D2) Aquitard (D3) ographic Relief (D4) ral Test (D5)
Saturation (Water Mark Sediment D Prift Depos Algal Mat o Iron Deposi Surface Soi ield Observat Surface Water F Water Table Pres Saturation Press (includes capilla	ks (B1) Deposits (B2) Sits (B3) Or Crust (B4) Sits (B5) Il Cracks (B6) Ltions: Present? Yes Sent? Vac	○ No ● ○ No ●	Hydrogen Sulf Dry-Season W Other (Explain Depth (inches Depth (inches	(B15) fide Odor (C1) fide Odor (C1) fater Table (Ci n in Remarks) for the control of the control	wetl	Oxidized Presence Salt Depo Stunted of Geomorp Shallow A Microtopo FAC-neut	Rhizospheres along Living Roots (C3 of Reduced Iron (C4) osits (C5) or Stressed Plants (D1) hic Position (D2) Aquitard (D3) ographic Relief (D4) ral Test (D5)
Saturation (Water Mark Sediment D Prift Depos Algal Mat or Iron Deposi Surface Soi Geld Observat Surface Water F Water Table Pre Saturation Press (includes capillal escribe Recorde	ks (B1) Deposits (B2) Sits (B3) Or Crust (B4) Sits (B5) Il Cracks (B6) Stions: Present? Present? Yes Sent? Yes Prey Yes Yes Yes Yes	○ No ● No ●	Hydrogen Sulf Dry-Season W Other (Explain Depth (inches Depth (inches	(B15) fide Odor (C1) fide Odor (C1) fater Table (Ci n in Remarks) for the control of the control	wetl	Oxidized Presence Salt Depo Stunted of Geomorp Shallow A Microtopo FAC-neut	Rhizospheres along Living Roots (C3 of Reduced Iron (C4) osits (C5) or Stressed Plants (D1) hic Position (D2) Aquitard (D3) ographic Relief (D4) ral Test (D5)
Saturation (Water Mark Sediment D Prift Depos Algal Mat or Iron Deposi Surface Soi Surface Water F Water Table Pre Saturation Press (includes capilla escribe Recorde	ks (B1) Deposits (B2) Sits (B3) Or Crust (B4) Sits (B5) Il Cracks (B6) Stions: Present? Yes esent? Yes eary fringe) ed Data (stream gauge	No No sege, monitor well,	Depth (inches Depth (inches Depth (inches Depth (inches Depth photos, previous derial photos, previous desiral photos, pr	(B15) fide Odor (C1) fide Odor (C1) fater Table (Ci n in Remarks) for the control of the control	wetl	Oxidized Presence Salt Depo Stunted of Geomorp Shallow A Microtopo FAC-neut	Rhizospheres along Living Roots (C3 of Reduced Iron (C4) osits (C5) or Stressed Plants (D1) hic Position (D2) Aquitard (D3) ographic Relief (D4) ral Test (D5)
Saturation (Water Mark Sediment D Prift Depos Algal Mat or Iron Deposi Surface Soi Surface Water F Water Table Pre Saturation Press (includes capilla escribe Recorde	ks (B1) Deposits (B2) Sits (B3) Or Crust (B4) Sits (B5) Il Cracks (B6) Stions: Present? Present? Yes Sent? Yes Prey Yes Yes Yes Yes	No No sege, monitor well,	Depth (inches Depth (inches Depth (inches Depth (inches Depth photos, previous derial photos, previous desiral photos, pr	(B15) fide Odor (C1) fide Odor (C1) fater Table (Ci n in Remarks) for the control of the control	wetl	Oxidized Presence Salt Depo Stunted of Geomorp Shallow A Microtopo FAC-neut	Rhizospheres along Living Roots (C3 of Reduced Iron (C4) osits (C5) or Stressed Plants (D1) hic Position (D2) Aquitard (D3) ographic Relief (D4) ral Test (D5)

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