WETLAND DETERMINATION DATA FORM - Alaska Region

/Site: Susitna-Watana Hydroelectric Project		Borough/City:	Matanusk	ka-Susitna Borough Sampling Date: 03-Jul-13
ant/Owner: Alaska Energy Authority				Sampling Point: SW13 T125 04
		Landform (hi	Ilside, terrac	ce, hummocks etc.): Hillside
		Slope:	% / 8.4	
	Lat ·	62 93793773		Long.: -149.620169163 Datum: NAD83
		02.00100110	770	NWI classification: PSS1B
·	time of vo	or? Ves	No O	(If no, explain in Remarks.)
	•			Normal Circumstances" present? Yes No
	•	•		eded, explain any answers in Remarks.)
, , ,	-			
<u> </u>		impling poin	t locations	s, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	0	la la	the Com	woled Area
,	\circ			
Wetland Hydrology Present? Yes No	0	W	itnin a w	etiand? Tes © NO ©
arks:				
TATION -Use scientific names of plants.	List all sp	oecies in the	plot.	
	Absolut	e Dominant	Indicator	Dominance Test worksheet:
	% Cove	er Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)
Picea mariana	2	_	FACW	Total Number of Dominant
Picea glauca	1	_	FACU	Species Across All Strata:5(B)
	0	_		Percent of dominant Species
	0	_		That Are OBL, FACW, or FAC: 80.0% (A/B)
	0			Prevalence Index worksheet:
		_		Total % Cover of: Multiply by:
ling/Shrub Stratum 50% of Total Cover:	1.5 20	1% of Total Cove	r: <u>0.6</u>	OBL Species 1 x 1 = 1
Vaccinium uliginosum	40		FAC	FACW Species 13.1 x 2 = 26.20
Betula nana			FAC	FAC Species 60 x 3 = 180
Picea mariana			FACW	FACU Species 6 x 4 = 24
				UPL Species <u>0</u> x 5 = <u>0</u>
				Column Totals: <u>80.1</u> (A) <u>231.2</u> (B)
·				Prevalence Index = B/A =2.886_
		-		II. dan ala dia Vanatatian Tudia tana
		-		Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50%
	- -	-		✓ Prevalence Index is ≤3.0
	 er: 71	_		Morphological Adaptations ¹ (Provide supporting data in
b Stratum 50% of Total Cover:			er: <u>14.2</u>	Remarks or on a separate sheet)
Cornus suecica	2	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
En fact on a Laffe or		✓	FAC	¹ Indicators of hydric soil and wetland hydrology must
T2. (1.P.)			FACU	be present, unless disturbed or problematic.
Trientalis europaea			FACW	
Sanguisorba officinalis	4	_ 💾	TACT	Plot size (radius, or length x width)
On a suit a also afficia alia	1		FACW	Plot size (radius, or length x width) 10m % Cover of Wetland Bryophytes
Sanguisorba officinalis Viola palustris	0.1			
Sanguisorba officinalis Viola palustris	0.1 0 0			% Cover of Wetland Bryophytes
Sanguisorba officinalis Viola palustris	0.1 0.1 0 0			% Cover of Wetland Bryophytes (Where applicable)
Sanguisorba officinalis Viola palustris	1 0.:1 0 0 0 0			% Cover of Wetland Bryophytes (Where applicable) % Bare Ground Total Cover of Bryophytes
Sanguisorba officinalis Viola palustris	1 0.3 0 0 0 0 0			% Cover of Wetland Bryophytes (Where applicable) % Bare Ground Total Cover of Bryophytes Hydrophytic
Sanguisorba officinalis Viola palustris	1 0.3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		FACW	% Cover of Wetland Bryophytes (Where applicable) % Bare Ground Total Cover of Bryophytes
	ant/Owner: Alaska Energy Authority gator(s): SLI, SCB relief (concave, convex, none): hummocky gion: Southcentral Alaska ap Unit Name: matic/hydrologic conditions on the site typical for this //egetation	ant/Owner: Alaska Energy Authority gator(s): SLI, SCB relief (concave, convex, none): hummocky gion: Southcentral Alaska ap Unit Name: matic/hydrologic conditions on the site typical for this time of ye //egetation	ant/Owner: Alaska Energy Authority gator(s): SLI, SCB	ant/Owner: Alaska Energy Authority gator(s): SLI, SCB

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW13_T125_04

0-4 4-10 5-12-12-15 10-12-2-57 4/2 100 5-12-18 10-20 2-57 4/2 100 5-12-18 10-20 2-57 4/2 100 5-12-18 10-20 2-57 4/2 100 5-12-18 10-20 10-2-19-19-19-19-19-19-19-19-19-19-19-19-19-	(inches)	Color (m	niet)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
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10-12 2.5Y 4/2 100 Sit Loam Saptic Organics Buried organic layer 18-20 2.5Y 4/2 100 Sit Loam										_
12-18 Sapric Organics burled organic layer		2 5V	4/2	100						
Type: C=Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining. RC=Root Channel. M=Matrix Marker Soil Indicators:		2.51	7/2							huried organic layer
Type: C=Concentration. D=Depletion. RM=Reduced Matrix Indicators for Problematic Hydric Soils Histosol or Histel (A1)			4/2							buried organic layer
Histosol or Histel (A1)	18-20	2.51	4/2						SIIL LOGIII	·
Histosol or Histel (A1)						·				
Histosol or Histel (A1)										
Histosol or Histel (A1)	Type: C=Cond	centration. D	=Depletion	—	ed Matrix ² Locatio	n: PI =Pore		Root Cha	nnel. M=Matrix	-
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Hydric Soil Present? YDROLOGY Tettand Hydrology Indicators: Type: Depth (inches): Burslat 2Din (cobbles) YDROLOGY Tettand Hydrology Indicators: Type: Depth (inches): Burslat 3Din (cobbles) YDROLOGY Tettand Hydrology Indicators: Type: Depth (inches): Burslat 3Din (cobbles) YDROLOGY Tettand Hydrology Indicators: Type: Depth (inches): Burslat 3Din (cobbles) YDROLOGY Tettand Hydrology Indicators: Type: Depth (inches): Burslat 3Din (cobbles) YDROLOGY Tettand Hydrology Indicators: Type: Depth (inches): Burslat 3Din (cobbles) YDROLOGY Tettand Hydrology Indicators: Type: Depth (inches): Burslat 4Din (cobbles) YDROLOGY Tettand Hydrology Indicators: Type: Depth (inches): Burslat 4Din (cobbles) YDROLOGY Tettand Hydrology Indicators: Type: Depth (inches): Burslat 4Din (cobbles) YDROLOGY Tettand Hydrology Indicators: Type: Depth (inches): Secondary Indicators (two or more are required): Dinticators (any one is sufficient) Water Varier (A1) Dinticators (any one is sufficient) Water Marks (B1) Hydroge Suffice Odor (C1) Sediment Deposits (B2) Dry-Season Water Table (C2) Dry-Season Water Table (C3) Dry-Season Water Table (C4) Dry-Season Water Table (C3) Dry-Season Water Table (C3) Dry-Season Water Table (C4) Dry-Season Water Table (C5) Dry-Season Water Table (C5) Dry-Season Water Table (C6) Dry-Season Water Table (C6) Dry-Seaso	<u>-</u>					4	4	.s. 	Alaska Gleved Without F	lue 5Y or Redder
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Type: Depth (inches): PYDROLOGY Variable Present Pass No	Alaska Gley	red Pores (A1	5)		Give details of c	color change i	in Kemarks			
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