## WETLAND DETERMINATION DATA FORM - Alaska Region

/Site: Susitna-Watana Hydroelectric Project	В	orough/City:	Matanusk	xa-Susitna Borough Sampling Date:26-Aug-15									
nt/Owner: Alaska Energy Authority				Sampling Point: SW15_T346_01									
		Slope: 14.0	% / 8.0										
		· —		Long.: Datum: WGS84									
				NWI classification: Upland									
·													
				(If no, explain in Remarks.)  Iormal Circumstances" present? Yes ● No ○									
	•	•		tormar or our occurred procent.									
				eded, explain any answers in Remarks.)									
IARY OF FINDINGS - Attach site map show	ving sam	npling point	locations	s, transects, important features, etc.									
Hydrophytic Vegetation Present? Yes   ● No ○													
	)	Is	the Sam										
		wi	thin a W	/etland? Yes ○ No •									
		I											
TATION - Use scientific names of plants. Lis	st all spe	cies in the	plot.										
·				Dominance Test worksheet:									
e Stratum	% Cover	Species?	Status	Number of Dominant Species									
				That are OBL, FACW, or FAC: 2 (A)									
				Total Number of Dominant Species Across All Strata: 2 (B)									
				Percent of dominant Species									
				That Are OBL, FACW, or FAC: 100.0% (A/B)									
				Prevalence Index worksheet:									
Total Cover:				Total % Cover of: Multiply by:									
ling/Shrub Stratum 50% of Total Cover:	0 20%	of Total Cover:	0	OBL Species $0 \times 1 = 0$									
Potula nana	40	<b>~</b>	FAC	FACW Species 5 x 2 = 10									
77				FAC Species 78 x 3 = 234									
				FACU Species 5.1 x 4 = 20.4									
			FACW	UPL Species 1 x 5 = 5									
	5		FAC	Column Totals: 89.1 (A) 269.4 (B)									
Loiseleuria procumbens			FACU										
	2		FAC	Prevalence Index = B/A = 3.024									
Picea glauca	0.1		FACU	Hydrophytic Vegetation Indicators:									
•	0			✓ Dominance Test is > 50%									
	0		FACU	Prevalence Index is ≤3.0									
Total Cover:				Morphological Adaptations (Provide supporting data in									
<u>Stratum</u> 50% of Total Cover: <u>4</u>	3.55 20%	of Total Cover	17.42	Remarks or on a separate sheet)									
	1		FAC	Problematic Hydrophytic Vegetation (Explain)									
Anthoxanthum monticola ssp. alpinum			UPL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must									
				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									
	U												
			i										
				Hydrophytic									
		of Total Cover:	0.4	Hydrophytic Vegetation Present? Yes  No									
	ant/Owner: Alaska Energy Authority gator(s): SLI, SCB elief (concave, convex, none): hummocky pion: Interior Alaska Mountains punit Name: matic/hydrologic conditions on the site typical for this tir legetation	ant/Owner: Alaska Energy Authority gator(s): SLI, SCB elief (concave, convex, none): hummocky ition: Interior Alaska Mountains punit Name: matic/hydrologic conditions on the site typical for this time of year egetation	Int/Owner: Alaska Energy Authority gator(s): SLI, SCB	Int/Owner: Alaska Energy Authority gator(s): SLI, SCB									

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SOIL Sampling Point: SW15\_T346\_01

	<b>/</b> D :: .					<i>c</i>	ć : I:			10 54415_1540_01		
Profile Description		the depth n Matrix	eeded to docu	iment the inc		firm the ab <b>ox Feat</b> u		cators)				
Depth (inches)	Depth (inches) Color (moist)		0/-	Color (moist)		1	Loc <sup>2</sup>		Remarks			
0-3	Color (mc	DIST	<u>%</u> 100	Color (II	ioist)	_%_	Туре	LOC	Hemic Organics	Kemarks		
	10VD	4/4		7 FVD	4/4				Sandy Loam	2 intermediated marketing and the blank		
3-12	10YR	4/4		7.5YR	4/4	30		M		3 intermixed matricescryoturbation?		
+mottle		5/3							Sandy Loam			
12-18	2.5Y	4/3	100						Loamy Sand			
-												
¹Type: C=Con	centration. D	=Depletion	. RM=Redu	ced Matrix	<sup>2</sup> Location	: PL=Por	– ——— e Lining. RO	C=Root Cha	annel. M=Matrix	-		
Hydric Soil In	dicators:			Indicat	ors for Pro	hlemati	c Hydric S	oils: <sup>3</sup>		-		
Histosol or					ka Color Ch		4	OIIS.	Alaska Gleyed Without H	ua SV or Poddor		
Histosof of Histic Epipe	, ,				ka Color Cri ka Alpine sv		-	L	Underlying Layer	de 31 of Reddel		
Hydrogen 9					ka Redox W	-	-		Other (Explain in Remark	ss)		
l — · ·	Surface (A12	)										
Alaska Gley	-	.,							mary indicator of wetland h	ydrology,		
Alaska Red				and an	appropriate	e landscap	e position i	must be pro	esent			
Alaska Gley	ed Pores (A1	5)		4 Give o	details of co	lor chang	e in Remarl	ks				
Restrictive Laye	r (if precent):											
Type:	i (ii present).								Hydric Soil Present	? Yes ○ No •		
Depth (inch	es):								riyane son Fresent	: 165 0 110 0		
	,-											
Remarks:			9.3 - 3 1									
cobbles through	out profile. n	o nyaric sc	il indicators									
<b>HYDROLO</b>	ЭΥ											
Wetland Hydr	ology Indica	ators:							Secondary Indi	cators (two or more are required)		
Primary Indicat	ors (any one	is sufficien	t)						Water Stained Leaves (B9)			
Surface W	ater (A1)			In	undation Vi	sible on A	erial Image	ery (B7)	Drainage P	atterns (B10)		
High Wate	High Water Table (A2) Sparsely Vegetated Concave Surface (B8						ce (B8)	Oxidized R	hizospheres along Living Roots (C3)			
Saturation	(A3)			☐ Ma	arl Deposits	(B15)			Presence o	f Reduced Iron (C4)		
Water Mar	ks (B1)			□ Ну	drogen Sul	fide Odor	(C1)		☐ Salt Depos	its (C5)		
	Deposits (B2)			U Dr	y-Season W	ater Tabl	e (C2)			Stressed Plants (D1)		
Drift Depo				☐ Ot	her (Explair	in Rema	rks)			ic Position (D2)		
	or Crust (B4)								_	uitard (D3)		
Iron Depos	` '									raphic Relief (D4)		
	il Cracks (B6)	)							☐ FAC-neutra	l Test (D5)		
Field Observa		v (				_						
Surface Water	Present?		No 💿	De	epth (inches	s):						
Water Table Pi	resent?	Yes	○ No •	De	epth (inches	s):		Wetla	nd Hydrology Presen	t? Yes ○ No •		
Saturation Pres (includes capill		Yes C	No ●	De	epth (inches	s):						
				-11	L-L			-: - - -				
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:												
Demondre												
Remarks:	dicators											
no hydrology indicators												
l .												

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