## WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 31-Jul-13											
Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T154_08											
	gator(s): BAB	side, terrac	e, hummocks etc.): canyon								
Local	relief (concave, convex, none): concave			° Elevation: 1160							
	gion : Interior Alaska Mountains		63.2436360419 Long.: -148.394438848 Datum: WGS84								
	ap Unit Name:		. V	■ N= ○	NWI classification: PSS1B						
Are \	/egetation ☐ , Soil ☐ , or Hydrology ☐  MARY OF FINDINGS - Attach site map sho	significantly naturally pro wing sam	disturbed? oblematic?	Are "N (If nee	lormal Circumstances" present? Yes  No  eded, explain any answers in Remarks.)						
	Hydrophytic Vegetation Present? Yes  No C  Hydric Soil Present? Yes  No C	the Sam	pled Area								
	,		within a Wetland? Yes ● No ○								
	Wetland Hydrology Present? Yes   No C										
	ETATION - Use scientific names of plants. Li				ate consists of subangular cobbles up to 20 in diameter.						
		Absolute	Dominant		Dominance Test worksheet:						
	e Stratum	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)						
1.	-				Total Number of Dominant						
2.					Species Across All Strata: 3 (B)						
3. 4.		_			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)						
5.		0 0			That Are OBE, FACW, OF FAC. 100.0% (A/B)						
J.	Total Cover				Prevalence Index worksheet:						
<b>6</b>		0	Total % Cover of: Multiply by:								
Sa	bling/Shrub Stratum 50% of Total Cover:		of Total Cover:	0	OBL Species <u>24.1</u> x 1 = <u>24.1</u>						
	Salix pulchra		<b>✓</b>	FACW	FACW Species 35 x 2 = 70						
2.	-	0			FACILIST 11.1 x 3 = 33.30						
3.		_			FACU Species 0 x 4 = 0						
4.					UPL Species <u>0</u> x 5 = <u>0</u>						
5.		•			Column Totals: <u>70.2</u> (A) <u>127.4</u> (B)						
6.					Prevalence Index = B/A =1.815_						
7.											
8.					Hydrophytic Vegetation Indicators:  ✓ Dominance Test is > 50%						
9.		0			✓ Prevalence Index is ≤3.0						
10.	Total Cover										
He	rb Stratum 50% of Total Cover:		of Total Cover	:7	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)						
1.	Carex aquatilis		<b>✓</b>	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)						
2.	Carex bigelowii		<b>V</b>	FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology must						
3.	Sedum rosea	-		FAC	be present, unless disturbed or problematic.						
4.	Comarum palustre	-		OBL	Plot size (radius, or length x width)						
5.	Eriophorum angustifolium			OBL	% Cover of Wetland Bryophytes						
6.	Rumex arcticus			FAC	(Where applicable)						
					% Bare Ground						
					Total Cover of Bryophytes						
		0									
10.	Total Cover				Hydrophytic Vegetation						
	Total Cover				Present? Yes   No						
	50% of Total Cover:	17.6 20% (	of Total Cover:	7.04	Pleseliti les 🖰 140 🖰						

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SOIL Sampling Point: SW13\_T154\_08

		the depth ne	eded to docume	ent the indicator or co	onfirm the abs		cators)				
Depth (inches)	Color (mo	oist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-8			100		. —			Fibric Organics			
8-19	10YR	3/2	100					Sandy Loam	ang gravel and cobbles		
					_						
¹Type: C=Cor	ncentration. D	=Depletion.		Matrix <sup>2</sup> Location				nnel. M=Matrix			
Hydric Soil I	ndicators:			Indicators for Pr	oblematic	c Hydric So	oils: <sup>3</sup>				
Histosol or	r Histel (A1)			Alaska Color C	hange (TA	1)		Alaska Gleyed Without Hue 5Y or Redder			
✓ Histic Epip	pedon (A2)		ļ	Alaska Alpine s	wales (TA5	5)		Underlying Layer			
<b>✓</b> Hydrogen	Sulfide (A4)		l	Alaska Redox \	Nith 2.5Y F	lue		Other (Explain in Remark	rs)		
Thick Dark	k Surface (A12	)		3.0 :	5 lad a				uduala au		
Alaska Gle	, , ,			and an appropria				nary indicator of wetland h esent	ydrology,		
Alaska Red						·					
Alaska Gle	eyed Pores (A1	5)		4 Give details of o	olor change	e III Kelliark	· ·				
Restrictive Laye	er (if present):										
Type:								Hydric Soil Present	? Yes • No O		
Depth (inch	hes):										
HYDROLO	GY										
Wetland Hyd	rology Indica	itors:						Secondary Indi	cators (two or more are required)		
Primary Indica	ntors (any one	is sufficient	)					Water Stair	ned Leaves (B9)		
Surface W	Vater (A1)			☐ Inundation V	/isible on A	erial Image	ry (B7)	Drainage P	atterns (B10)		
✓ High Wate	er Table (A2)			Sparsely Veg	jetated Cor	ncave Surfac	ce (B8)	Oxidized R	hizospheres along Living Roots (C3)		
Saturation (A3)				Marl Deposit					f Reduced Iron (C4)		
Water Ma				✓ Hydrogen Su	ılfide Odor	(C1)		Salt Depos	its (C5)		
	Deposits (B2)			☐ Dry-Season \					Stressed Plants (D1)		
☐ Drift Depo				Uther (Expla	in in Rema	rks)		<b>✓</b> Geomorphi	` '		
	or Crust (B4)								uitard (D3)		
☐ Iron Depo	. ,								raphic Relief (D4)		
	oil Cracks (B6)							✓ FAC-neutra	I Test (D5)		
Field Observa		Voc O	No ●	Danth (in ab.	\-						
Surface Water				Depth (inche	<del>:</del> S):				- · · · · · · · ·		
Water Table F		Yes 🖲	No 🔾	Depth (inche	es): 7		Wetlai	nd Hydrology Presen	t? Yes ● No O		
Saturation Pre (includes capi		Yes •	No O	Depth (inche	es): 0						
Describe Recor	ded Data (stre	am gauge,	monitor well,	aerial photos, pre	vious inspe	ection) if ava	ailable:				
Remarks:											
Surface water present just off plot as small R2 stream, 8 inches depth.											

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