## WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	Borough/City:	Matanuska-Susitna Borough Sampling Da	te: 10-Jul-13
Applicant/Owner: Alaska Energy Authority		Sampling Point:	SW13_T132_10
Investigator(s): WAD, BAB	Landform (hills	ide, terrace, hummocks etc.): sand bar	
Local relief (concave, convex, none): convex	Slope: 0.0	% / 0.0 ° Elevation: 888	
Subregion : Interior Alaska Mountains Lat.:	62.948780298	Long.: -148.364860535	Datum: WGS84
Soil Map Unit Name:		NWI classification: R2	USC
	ar? Yes ( ntly disturbed? problematic?	<ul> <li>No (If no, explain in Remarks.) Are "Normal Circumstances" present? (If needed, explain any answers in Remark</li> </ul>	res
SUMMARY OF FINDINGS - Attach site map showing sa	mpling point	locations, transects, important feature	es, etc.

Hydrophytic Vegetation Present?	Yes ● Yes ●	No O No O	Is the Sampled Area	
Hydric Soil Present?	Yes 🔍	No $\bigcirc$		Yes 🖲 No 🔾
Wetland Hydrology Present?	Yes 🖲	No O	within a Wetland?	

Remarks: partially vegetated riverbar next to deadman creek. deadman creek R2UBH at this location.

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

			Absolute		Dominant	Indicator	Dominance Test worksheet:		
Tre	e Stratum			Cover	Species?	Status	Number of Dominant Species		
1.			-	0			That are OBL, FACW, or FAC: (A)		
2.			-	0			Total Number of Dominant		
3.							Species Across All Strata:3 (B)		
3. 4.				0			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)		
				0			Inat Ale OBL, FACW, of FAC.         IUU.0%         (A/B)		
5.							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 <u>10</u> x 1 = <u>10</u>		
1.	Salix alaxensis			1		FAC	FACW Species <u>8</u> x 2 = <u>16</u>		
2.	Salix interior			1		FACW	FAC Species x 3 =		
3.	Salix pulchra			5	$\checkmark$	FACW	FACU Species x 4 =		
	Solix brookyoorpo			1		FAC	UPL Species 0 x 5 = 0		
5.				0			Column Totals: 25 (A) 47 (B)		
				0					
				0			Prevalence Index = B/A = <u>1.880</u>		
				0			Hydrophytic Vegetation Indicators:		
				0			✓ Dominance Test is > 50%		
				0			✓ Prevalence Index is $\leq$ 3.0		
		Total Cover	:	8			Morphological Adaptations <sup>1</sup> (Provide supporting data in		
Her	b Stratum	50% of Total Cover:	4	20%	of Total Cover:	1.6	Remarks or on a separate sheet)		
1.	Carex aquatilis			10		OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
2.	Arctagrostis latifolia			2		FACW	<sup>1</sup> Indicators of hydric soil and wetland hydrology must		
3.	Calamagrostis canadensis		_	5	$\checkmark$	FAC	be present, unless disturbed or problematic.		
4.			_	0			Plot size (radius, or length x width) 10m		
5.				0			Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes		
				0			(Where applicable)		
				0			% Bare Ground		
				0			Total Cover of Bryophytes		
				0					
			-	0			Hydrophytic		
		Total Cover		17			Vegetation		
		50% of Total Cover:			of Total Cover:	3.4	Present? Yes $\odot$ No $\bigcirc$		
Rem	narks:						·		

Profile Description	escription: (Describe to the depth needed to document the indicator or confirm the absence of indicators) Matrix Redox Features						ators)		
(inches)	Color (moi	st)	%	Color (moist)	%	Type <sup>1</sup>	Loc 2	Texture	Remarks
0-10			100					Coarse Sand	
								-	-
	· ·								
1				<b>.</b>					
		Depletion.	RM=Reduc	ed Matrix <sup>2</sup> Location				innel. M=Matrix	
Hydric Soil Ir				Indicators for Pro		4	oils:	1	
_	Histel (A1)			Alaska Color Ch		-		Alaska Gleyed Without Hu Underlying Layer	ue 5Y or Redder
Histic Epip				Alaska Alpine s	•	,	1	Other (Explain in Remark	
	Sulfide (A4)			Alaska Redox V	Vith 2.5Y I	Hue	V	Uther (Explain in Remark	5)
	Surface (A12)			<sup>3</sup> One indicator of	hydronby	tic vegetatio	n, one prin	nary indicator of wetland h	vdrology.
Alaska Gle				and an appropriat					yarology,
Alaska Red	. ,			<sup>4</sup> Give details of co	olor chang	o in Pomark	c		
Alaska Gle	yed Pores (A15	)					5		
Restrictive Laye	r (if present):								
Type:								Hydric Soil Present	? Yes 🖲 No 🔾
Depth (inch	es):								
Remarks:									
insufficient orga	nic material fo	r redox de	velopment.	Based on mulptiple p	orimary hy	drology indi	cators and	hydrophytic vegetation, as	ssume soils are hydric.
_									
HYDROLO	GY								
Wetland Hydr		ors:						Secondary Indi	cators (two or more are required)
Primary Indicat			)						ned Leaves (B9)
Surface W		<i>bullione</i>	,	Inundation Vi	isihle on A	orial Imago	rv (B7)		Patterns (B10)
High Wate	. ,			Sparsely Vege		5	, , ,		hizospheres along Living Roots (C3)
Saturation				Marl Deposits			.e (bb)	_	f Reduced Iron (C4)
Water Mar	. ,			Hydrogen Sul	• •	(C1)		Salt Depos	
	Deposits (B2)			Dry-Season V					Stressed Plants (D1)
Drift Depo	,			Other (Explai		. ,		Geomorphi	
	or Crust (B4)					11 K5)			uitard (D3)
									raphic Relief (D4)
	oil Cracks (B6)							FAC-neutra	
Field Observa	. ,								
Surface Water		Yes C	No 🖲	Depth (inche	c).				
			No O				Watte	nd Wydrology Drocom	t? Yes 🖲 No 🔾
Water Table P				Depth (inche	s): 8		wetial	nd Hydrology Presen	Let tes $\odot$ no $\bigcirc$
Saturation Pre (includes capil		Yes 🖲	No $\bigcirc$	Depth (inche	s): 8				
Describe Record	ded Data (strea	ım gauge,	monitor we	ll, aerial photos, prev	vious inspe	ection) if ava	ilable:		
Remarks:									