## WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	Borough/City: N	Aatanuska-Susitna Borough Sampling Dat	te: 09-Jul-13
Applicant/Owner: Alaska Energy Authority		Sampling Point:	SW13_T120_04
Investigator(s): JGK	Landform (hillsid	le, terrace, hummocks etc.):	
Local relief (concave, convex, none): concave	Slope: 0.0 %	6 / 0.0 ° Elevation: 970	
Subregion : Southcentral Alaska Lat.:	62.702643633	Long.:149.723833561	Datum: WGS84
Soil Map Unit Name:		NWI classification: PU	вн
	ar? Yes ● htly disturbed? problematic?	(	Yes ● No ○ xs.)
SUMMARY OF FINDINGS - Attach site map showing sa	ampling point lo	cations, transects, important feature	es, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes ● Yes ● Yes ●	No () No () No ()	Is the Sampled Area within a Wetland?	Yes $\odot$ No $\bigcirc$
Remarks: photo 1479				

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

		Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum		% Cover	Species?	Status	Number of Dominant Species	
1.		0			That are OBL, FACW, or FAC:0	(A)
2.		0			Total Number of Dominant Species Across All Strata: 0	(B)
3.						(D)
4		0			Percent of dominant Species That Are OBL, FACW, or FAC: 0.0%	(A/B)
5.		0				( )
· · · · · · · · · · · · · · · · · · ·	Total Cover:				Prevalence Index worksheet:	
Sapling/Shrub Stratum 50%	of Total Cover:		of Total Cover	0	Total % Cover of: Multiply by:	
		0 20/0			OBL Species <u>0</u> x 1 = <u>0</u>	-
1		0			FACW Species <u>0</u> x 2 = <u>0</u>	-
2.		•			FAC Species x 3 =	_
3		0			FACU Species <u>0</u> x 4 = <u>0</u>	-
4		•			UPL Species x 5 =	_
5.		٥			Column Totals: 0 (A) 0	(B)
6.		0				,
7.					Prevalence Index = B/A = 0.000	
8.					Hydrophytic Vegetation Indicators:	
9.					Dominance Test is > 50%	
10.		0			Prevalence Index is ≤3.0	
	Total Cover:	0			Morphological Adaptations <sup>1</sup> (Provide supporting of	lata in
Herb Stratum 50%	% of Total Cover:	0 20%	of Total Cover	0	Remarks or on a separate sheet)	
1		0			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
2.					<sup>1</sup> Indicators of hydric soil and wetland hydrology must	
3.		-			be present, unless disturbed or problematic.	
4.						
5		-			Plot size (radius, or length x width) <u>10m</u>	
6.		-			% Cover of Wetland Bryophytes (Where applicable)	_
		-				
7					% Bare Ground Total Cover of Bryophytes	
8						_
9		0				
10	Total Cover:				Hydrophytic Vegetation	
50%			of Total Cover:	0	Present? Yes I No	
Remarks: Unvegetated pond.						

SOIL
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Profile Description: (Describe to t	the depth neede <b>fatrix</b>	d to documen		onfirm the abs edox Featu		.cators)		
Depth (inches) Color (moi	st) (	% C	Color (moist)	%	Type <sup>1</sup>	Loc 2	Texture	Remarks
				_				
								-
·								
<sup>1</sup> Type: C=Concentration. D=	Depletion. R№	1=Reduced	Matrix <sup>2</sup> Locatio	n: PL=Por	e Lining. R	C=Root Cha	annel. M=Matrix	
Hydric Soil Indicators:		I	indicators for Pi	roblemati	c Hydric S	oils: <sup>3</sup>		
Histosol or Histel (A1)			Alaska Color C	hange (TA،	.4) <sup>4</sup>		Alaska Gleyed Without H	ue 5Y or Redder
Histic Epipedon (A2)			Alaska Alpine			_	Underlying Layer	
Hydrogen Sulfide (A4)			Alaska Redox			$\checkmark$	Other (Explain in Remark	<s)< td=""></s)<>
Thick Dark Surface (A12)				<b>.</b>	- 1 K		in the stand	
Alaska Gleyed (A13)			<sup>3</sup> One indicator of and an appropria				mary indicator of wetland h resent	ıydrology,
Alaska Redox (A14)				-		-	Cont	
Alaska Gleyed Pores (A15	·)		<sup>4</sup> Give details of c	olor change		ks		
Restrictive Layer (if present):								
Туре:							Hydric Soil Present	? Yes 🖲 No 🔾
Depth (inches):								
HYDROLOGY			<u>.</u>					
Wetland Hydrology Indica	tors:						Secondary Indi	cators (two or more are required)
Primary Indicators (any one is								ined Leaves (B9)
Surface Water (A1)			Inundation V	√isible on A	kerial Image	ery (B7)		Patterns (B10)
High Water Table (A2)			Sparsely Veg	-	ncave Surfa	ace (B8)	Oxidized R	hizospheres along Living Roots (C3)
Saturation (A3)			Marl Deposit					of Reduced Iron (C4)
Water Marks (B1)			Hydrogen Su				Salt Depos	
Sediment Deposits (B2)			Dry-Season				_	Stressed Plants (D1)
Drift Deposits (B3)			Other (Expla	in in Rema	ırks)			ic Position (D2)
Algal Mat or Crust (B4)								quitard (D3) graphic Relief (D4)
Surface Soil Cracks (B6)							_	al Test (D5)
Field Observations:								
Surface Water Present?	Yes 🖲	No 〇	Depth (inche	es):				
Water Table Present?	Yes O	-	Depth (inche			Wetla	nd Hydrology Presen	nt? Yes 🖲 No 🔾
Saturation Present?							na nya	ti 100
(includes capillary fringe)	Yes 🔿 I	No 🖲	Depth (inche	es):				
Describe Recorded Data (strea	am gauge, mo	onitor well, a	aerial photos, pre	vious inspe	ection) if av	/ailable:		
Remarks:								