## WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	В	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 30-Jul-13		
Applicant/Owner: Alaska Energy Authority				Sampling Point: SW13_T156_10		
nvestigator(s): BAB		Landform (hill	side, terrac	e, hummocks etc.): Beaver Pond		
Local relief (concave, convex, none): 0		Slope: 0.0				
Subregion : Interior Alaska Mountains	Lat ·	63.280180720	_	Long.: -148.353353944 Datum: WGS84		
Soil Map Unit Name:		00.200100720		NWI classification: PUBH		
Are climatic/hydrologic conditions on the site typical for this	time of year	2 Vec	● No ○	(If no, explain in Remarks.)		
Are Vegetation , Soil , or Hydrology Are Vegetation , Soil , or Hydrology , or Hydrology .	significantly naturally pr owing sam	y disturbed? oblematic?	Are "N (If nee	lormal Circumstances" present? Yes  No O		
Hydrophytic Vegetation Present? Yes  No	_	Is	the Sam	pled Area		
Hydric Soil Present? Yes   No				/etland? Yes ◉ No ○		
Wetland Hydrology Present? Yes   No	<u> </u>	•		onaria :		
/EGETATION - Use scientific names of plants.	List all spe	ecies in the	plot.	Dominance Test worksheet:		
Tree Stratum	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)		
1				That are OBL, FACW, or FAC:1 (A)  Total Number of Dominant		
2	0			Species Across All Strata: (B)		
3	0_			Percent of dominant Species		
4.				That Are OBL, FACW, or FAC: 100.0% (A/B)		
5.				Prevalence Index worksheet:		
Total Cove		(		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum 50% of Total Cover:		of Total Cover:	0	OBL Species <u>0.1</u> x 1 = <u>0.1</u>		
1				FACW Species 0 x 2 = 0		
2				FAC Species 0 x 3 = 0		
3.				FACU Species 0 x 4 = 0		
4.				UPL Species <u>0</u> x 5 = <u>0</u>		
5.				Column Totals: <u>0.1</u> (A) <u>0.100</u> (B)		
6.	•			Prevalence Index = B/A =1.000_		
7.				Undershit Variation Indicators		
9.				Hydrophytic Vegetation Indicators:  ✓ Dominance Test is > 50%		
9. 10.				✓ Prevalence Index is ≤3.0		
Total Cover 50% of Total Cover:		6 of Total Cover	·: 0	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)		
Carex aquatilis	0.1	<b>✓</b>	OBL	✓ 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.				Plot size (radius, or length x width) 10m		
5.				Plot size (radius, or length x width) 10m    Cover of Wetland Bryophytes		
6	0			(Where applicable)		
7	0			% Bare Ground		
8				Total Cover of Bryophytes		
9						
10				Hydrophytic		
				Vegetation		
Total Cover:		of Total Covers	0.02	Present? Yes • No		

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SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Redox Features

Sampling Point: SW13\_T156\_10

Redox Features

Profile Description: (Description)	Matrix			lox Featu				
i .	r (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc 2	Texture	Remarks
								-
Type: C=Concentration		DM-Doduse	ad Matrix 2 Leastion	. DI – Dow	a Lining DC		nnal M-Matrix	
		i. RM=Reduce					miei. M=Maurix	
Hydric Soil Indicator			Indicators for Pro		4	oils:		
Histosol or Histel (A	•		Alaska Color Ch		-		Alaska Gleyed Without H Underlying Layer	ue 5Y or Redder
Histic Epipedon (A2	-		Alaska Alpine sı			<b>✓</b>	Other (Explain in Remark	(S)
☐ Hydrogen Sulfide (/	•		Alaska Redux W	/IUI 2.51 F	iue		Carler (Explain in Remain	<i>5</i> )
Alaska Gleyed (A13	. ,						nary indicator of wetland h	ydrology,
Alaska Redox (A14)			and an appropriat	e landscap	e position r	nust be pre	esent	
Alaska Gleyed Pore			<sup>4</sup> Give details of co	lor chang	e in Remark	s		
Restrictive Layer (if pres								
Type:	ciicji						Hydric Soil Present	? Yes • No O
Depth (inches):							,	. 165 5 116 5
Remarks:								
unvegetated pond, assu	me hydric soil							
, ,	,							
HYDROLOGY								
Wetland Hydrology I	ndicators:						Secondary Indi	cators (two or more are required)
Primary Indicators (any		it)						ned Leaves (B9)
✓ Surface Water (A1)			✓ Inundation Vi	sible on A	erial Imagei	ry (B7)		Patterns (B10)
High Water Table (	A2)		✓ Sparsely Vege				Oxidized R	hizospheres along Living Roots (C3)
Saturation (A3)			Marl Deposits	(B15)			Presence of	of Reduced Iron (C4)
Water Marks (B1)			Hydrogen Sul	fide Odor	(C1)		Salt Depos	its (C5)
Sediment Deposits	(B2)		✓ Dry-Season V	Vater Tabl	e (C2)		Stunted or	Stressed Plants (D1)
Drift Deposits (B3)			Other (Explain	n in Rema	rks)			ic Position (D2)
Algal Mat or Crust	(B4)							juitard (D3)
Iron Deposits (B5)							_	graphic Relief (D4)
Surface Soil Cracks	(B6)					1	✓ FAC-neutra	Il Test (D5)
Field Observations:	Voc (	No O	Death Code	.) 26				
Surface Water Present			Depth (inche	5): 36				
Water Table Present?		○ No ⊙	Depth (inche	s):		Wetlar	nd Hydrology Presen	t? Yes 🖲 No 🔾
Saturation Present? (includes capillary fring	<sub>e)</sub> Yes	No 💿	Depth (inche	s):				
Describe Recorded Data		, monitor wel	l, aerial photos, prev	ious inspe	ection) if ava	ilable:		
	(	,	., р, р		,			
Remarks:								

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