WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	B	orough/City:	Matanusk	xa-Susitna Borough Sampling Date: 30-Jul-13				
Applicant/Owner: Alaska Energy Authority				Sampling Point: SW13_T156_10				
nvestigator(s): BAB		Landform (hillside, terrace, hummocks etc.): Beaver Pond						
Local relief (concave, convex, none): 0		Slope:		6 ° Elevation: 989				
Subregion : Interior Alaska Mountains	Lat ·	63.28018072		Long.: -148.353353943 Datum: NAD83				
Soil Map Unit Name:		00.20010072		NWI classification: PUBH				
Are climatic/hydrologic conditions on the site typical for this	time of voor	2 Voc	● No ○					
Are Vegetation, Soil, or Hydrology		y disturbed?		(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○				
Are Vegetation ✓ , Soil ✓ , or Hydrology ☐		oblematic?		eded, explain any answers in Remarks.)				
	• •							
SUMMARY OF FINDINGS - Attach site map sho	owing san	npling point	locations	s, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No	C							
Hydric Soil Present? Yes ● No	\supset		Is the Sampled Area					
Wetland Hydrology Present? Yes No	\sim	within a Wetland? Yes ● No ○						
Remarks:								
/EGETATION - Use scientific names of plants.				Dominance Test worksheet:				
Tree Stratum	Absolute % Cover	Dominant Species?	Indicator	Number of Dominant Species				
1.	0		B	That are OBL, FACW, or FAC: (A)				
2.				Total Number of Dominant Species Across All Strata: 1 (B)				
3.				Percent of dominant Species				
4.				That Are OBL, FACW, or FAC: 100.0% (A/B)				
5.	0			Prevalence Index worksheet:				
Total Cove	er: <u>0</u>			Total % Cover of: Multiply by:				
Sapling/Shrub Stratum 50% of Total Cover:	0 20%	of Total Cover	:0	OBL Species 10.1 x 1 = 10.1				
1.	0			FACW Species 0 x 2 = 0				
				FAC Species 0 x 3 = 0				
3.	•			FACU Species 0 x 4 = 0				
4.				UPL Species 0 x 5 = 0				
5.				Column Totals: 10.1 (A) 10.10 (B)				
6.	•							
7.	0			Prevalence Index = B/A = 1.000				
8.	0			Hydrophytic Vegetation Indicators:				
9.	0			✓ Dominance Test is > 50%				
10	0			✓ Prevalence Index is ≤3.0				
Total Cove Herb Stratum 50% of Total Cover:		6 of Total Cover	r: <u>0</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)				
Carex aquatilis	0.1		OBL	Problematic Hydrophytic Vegetation ¹ (Explain)				
Sparganium hyperboreum	10	✓	OBL	¹ Indicators of hydric soil and wetland hydrology must				
3	0			be present, unless disturbed or problematic.				
4	0			Plot size (radius, or length x width) 10m				
5				% Cover of Wetland Bryophytes				
6	•			(Where applicable)				
7				% Bare Ground				
8.				Total Cover of Bryophytes				
9	$ \frac{0}{0}$			Hydrophytic				
10	r 10 1			Vegetation				
		of Total Cover:	: 2.02	Vegetation 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)

Depth
Redox Features

Sampling Point: SW13_T156_10

		he depth nee l atrix	ded to docum	ment the indicator or confirm the absence of indicators) Redox Features						
Depth (inches)	Color (moi	st)	%	Color (moist)	%	Type ¹	Loc 2	Texture	Rem	arks
									-	
¹Type: C=Cor	ncentration. D=	Depletion. F	RM=Reduce	d Matrix ² Location	on: PL=Pore	e Lining. RC	=Root Cha	nnel. M=Matrix		
Hydric Soil I	ndicators:			Indicators for P	roblematio	Hydric So	oils: ³			
Histosol or	r Histel (A1)			Alaska Color (Change (TA4	ł) ⁴		Alaska Gleyed Without H	ue 5Y or Redder	
Histic Epip	edon (A2)			Alaska Alpine	swales (TA5	5)		Underlying Layer		
Hydrogen	Sulfide (A4)			Alaska Redox	With 2.5Y H	lue	✓	Other (Explain in Remark	rs)	
Thick Dark	s Surface (A12)			30	6 1				1.1.	
Alaska Gle	eyed (A13)			and an appropria				nary indicator of wetland h esent	ydrology,	
Alaska Red	dox (A14)					•	•			
Alaska Gle	eyed Pores (A15)		⁴ Give details of	color change	e in Remark	S			
Restrictive Laye	er (if present):									
Type:								Hydric Soil Present	?Yes 💿 N	lo 🔾
Depth (inch	nes):									
Remarks:										
unvegetated po	ond, assume hy	dric soil								
HYDROLO	GY									
	rology Indicat	ors:						Secondary India	cators (two or more	are required)
_	itors (any one is								ned Leaves (B9)	a.c.requirea,
✓ Surface W	/ater (A1)			✓ Inundation	Visible on A	erial Imager	ry (B7)		atterns (B10)	
High Wate	er Table (A2)			✓ Sparsely Ve					hizospheres along Li	ving Roots (C3)
☐ Saturation	n (A3)			Marl Deposi	_		. ,	Presence o	f Reduced Iron (C4)	
☐ Water Ma	rks (B1)			Hydrogen S	ulfide Odor	(C1)		☐ Salt Depos	its (C5)	
Sediment	Deposits (B2)			✓ Dry-Season	Water Table	e (C2)		☐ Stunted or	Stressed Plants (D1)
☐ Drift Depo	osits (B3)			Other (Expl	ain in Remai	rks)		✓ Geomorphi	ic Position (D2)	
Algal Mat	or Crust (B4)							Shallow Aq	uitard (D3)	
☐ Iron Depo	osits (B5)							Microtopog	raphic Relief (D4)	
☐ Surface S	oil Cracks (B6)							✓ FAC-neutra	l Test (D5)	
Field Observa	ations:									
Surface Water	r Present?	Yes •		Depth (inch	nes): 36					
Water Table F	Present?	Yes 🔾	No 🕑	Depth (inch	nes):		Wetlar	nd Hydrology Presen	t? Yes 💿	No O
Saturation Pre		Yes \bigcirc	No 💿	Depth (inch	nes):					
(includes capi				. ,			1			
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:										
Remarks:										
. Comunica										

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