WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	Во	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 11-Jul-13			
pplicant/Owner: Alaska Energy Authority				Sampling Point:SW13_T139_07			
nvestigator(s): WAD, BAB	l	andform (hill	side, terrac	e, hummocks etc.): trough			
.ocal relief (concave, convex, none): concave		Slope:	%/ 1.5	e Elevation: 408			
Subregion : Southcentral Alaska	Lat.: 6	62.820063232	29	Long.: -149.617531776 Datum: NAD83			
ioil Map Unit Name:				NWI classification: PUBH			
-		Voo	• No O				
Are Climatic/hydrologic conditions on the site typical for this Are Vegetation, Soil, or Hydrology	significantly			(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○			
Are Vegetation, Soil, or Hydrology	naturally pro						
				ded, explain any answers in Remarks.)			
SUMMARY OF FINDINGS - Attach site map sho	owing sam	pling point	locations	s, transects, important features, etc.			
Hydrophytic Vegetation Present? Yes No	0	_					
Hydric Soil Present? Yes 🔍 No 🤇	С			npled Area			
Wetland Hydrology Present? Yes No (С	wi	ithin a W	etland? Yes $ullet$ No $igodoldsymbol{O}$			
Remarks: pond at base of string bog. bog slopes in from v		am flows in f	rom the eas	t.			
EGETATION - Use scientific names of plants.	List all spe	cies in the	plot.	Deminence Technicale etc.			
	Absolute	Dominant	Indicator	Dominance Test worksheet: Number of Dominant Species			
Tree Stratum1.	<u>% Cover</u>	Species?	Status	That are OBL, FACW, or FAC: <u>3</u> (A)			
				Total Number of Dominant			
2	0			Species Across All Strata:3_ (B)			
1				Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)			
5.	0						
J				Prevalence Index worksheet:			
		of Total Cover:		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum 50% of Total Cover:	20%		0	OBL Species <u>8</u> x 1 = <u>8</u>			
1. Myrica gale	3		OBL	FACW Species $0 \times 2 = 0$			
2	0			FAC Species $0 \times 3 = 0$			
3.				FACU Species $0 \times 4 = 0$			
4.				UPL Species x 5 =			
5				Column Totals: <u>8</u> (A) <u>8</u> (B)			
6				Prevalence Index = B/A = 1.000			
7							
8				Hydrophytic Vegetation Indicators:			
9				✓ Dominance Test is > 50%			
10	0			Prevalence Index is ≤3.0			
Total Cove Herb Stratum 50% of Total Cover:		of Total Cover	. 0.6	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
			OBL	Problematic Hydrophytic Vegetation ¹ (Explain)			
2 Nunhar polycopala			OBL	¹ Indicators of hydric soil and wetland hydrology must			
	1		OBL	be present, unless disturbed or problematic.			
4		\square					
5				Plot size (radius, or length x width) <u>10m</u>			
6				% Cover of Wetland Bryophytes (Where applicable)			
7.				% Bare Ground			
8.				Total Cover of Bryophytes			
9.	•						
10.				Hydrophytic			
Total Cove				Vegetation			
50% of Total Cover:	2.5 20%	of Total Cover:	1	Present? Yes No			
Remarks: perm flooded waterbody bordered by obligate	e sedges and	forbs, total s	hrub cover	<5%, thus no shrub species dominant.			

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) Matrix Redox Features										
(inches)	Color (moist))	%	Color (moist)	%	Type ¹	Loc 2	Texture	R	emarks
								-		
									-	
	· ·			,						
17				2			C. Deet Che			
- Type: C=Cond	centration. $D=De$	epietion. F	RM=Reduc	ed Matrix ² Location		-		annel. M=Matrix		
Hydric Soil In	dicators:			Indicators for Pr		4	oils:	-		
Histosol or	Histel (A1)			Alaska Color C				Alaska Gleyed Without H Underlying Layer	ue 5Y or Redder	
Histic Epipe				Alaska Alpine s			N	Officeritying Layer Other (Explain in Remark		
Hydrogen S	. ,			Alaska Redox V	With 2.5Y	Hue	V		5)	
	Surface (A12)			³ One indicator of	hydrophy	tic vegetatio	on, one prin	nary indicator of wetland h	ydrology,	
Alaska Gley				and an appropriat	te landsca	pe position	must be pre	esent		
	ed Pores (A15)			⁴ Give details of o	olor chang	je in Remarl	ks			
•	. ,									
Restrictive Layer	,								?Yes 🖲	No O
Type: none Depth (inche								Hydric Soil Present	? Yes 🖲	NO \bigcirc
HYDROLOG	GΥ									
Wetland Hydro	57								cators (two or mo	ore are required)
	ors (any one is s	ufficient)					()	_	ned Leaves (B9)	
Surface Wa	r Table (A2)			Inundation V		-			atterns (B10)	g Living Roots (C3)
Saturation	. ,			Sparsely Veg		licave Suria	Ce (B6)		f Reduced Iron (
Water Marl				Hydrogen Su		(C1)		Salt Depos	•	.,
	Deposits (B2)			Dry-Season					Stressed Plants (D1)
Drift Depos	sits (B3)			Other (Expla				Geomorph	ic Position (D2)	
Algal Mat o	or Crust (B4)							Shallow Ac	uitard (D3)	
Iron Depos	. ,							_	raphic Relief (D4)
Surface So	il Cracks (B6)							✓ FAC-neutra	l Test (D5)	
Field Observat		V (、					
Surface Water		Yes 🖲	-	Depth (inche	es): 96			· · · · · -		
Water Table Pr		Yes \bigcirc	No 🔍	Depth (inche	es):		Wetla	nd Hydrology Presen	t?Yes 🖲	No 🔿
Saturation Pres (includes capilla		Yes \bigcirc	No 🖲	Depth (inche	es):					
Describe Record	ed Data (stream	gauge, n	nonitor we	ll, aerial photos, pre	vious insp	ection) if av	ailable:			
Remarks:										

shallow open water depth estimated.