WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	Bo	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 03-Jul-13			
Applicant/Owner: Alaska Energy Authority				Sampling Point: SW13_T182_01			
Investigator(s): JER	l	andform (hill	side, terrac	e, hummocks etc.): Flat			
Local relief (concave, convex, none): flat		Slope:	%/ 7.1	° Elevation: 891			
Subregion : Interior Alaska Mountains	Lat.: 6	62.873628974	.3	Long.: -148.596225262 Datum: NAD83			
Soil Map Unit Name:		NWI classification: PUBH					
Are climatic/hydrologic conditions on the site typical for this to Are Vegetation □ , Soil □ , or Hydrology □ Are Vegetation ☑ , Soil □ , or Hydrology □ SUMMARY OF FINDINGS - Attach site map sho	significantly naturally pro wing sam	disturbed? oblematic?	(If nee	(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○ ded, explain any answers in Remarks.)			
Hydrophytic Vegetation Present? Yes No		ls	the Sam	pled Area			
Hydric Soil Present? Yes No				/etland? Yes \bullet No \bigcirc			
Wetland Hydrology Present? Yes No Remarks: small pond w 2 outflow swales)						
VEGETATION - Use scientific names of plants. L	ist all spe	cies in the	plot.	r			
	Absolute	Dominant	Indicator	Dominance Test worksheet:			
Tree Stratum	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)			
1	0			Total Number of Dominant			
2	0			Species Across All Strata:(B)			
3				Percent of dominant Species			
4	0			That Are OBL, FACW, or FAC: 0.0% (A/B)			
5	0			Prevalence Index worksheet:			
Total Cover				Total % Cover of: Multiply by:			
Sapling/Shrub Stratum 50% of Total Cover:	0 20%	of Total Cover:	0	OBL Species x 1 =			
1	0			FACW Species x 2 =			
2.				FAC Species $0 \times 3 = 0$			
3	0			FACU Species x 4 =			
4	0			UPL Species x 5 =			
5	0			Column Totals: <u>0</u> (A) <u>0</u> (B)			
6	0			Prevalence Index = B/A = <u>1.000_</u>			
7	0						
8	0			Hydrophytic Vegetation Indicators:			
9				Dominance Test is > 50%			
10	0			Prevalence Index is ≤ 3.0			
Total Cover Herb Stratum 50% of Total Cover:		of Total Cover	:	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
1	0			Problematic Hydrophytic Vegetation ¹ (Explain)			
2	0			¹ Indicators of hydric soil and wetland hydrology must			
3				be present, unless disturbed or problematic.			
4				Plot size (radius, or length x width)			
5				% Cover of Wetland Bryophytes 0			
6	-			(Where applicable)			
7	-			% Bare Ground			
8				Total Cover of Bryophytes			
9							
10Total Cover				Hydrophytic Vegetation			
50% of Total Cover:		of Total Cover:	00	Present? Yes No			
Remarks: 2% caraqu, mentri in pond at fringe. potam tr	too deen	essentially an	unvegetate	ed pond			

	ofile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) Redox Features											
Depth (inches)			<u> </u>				. 2	Texture	P	emarks		
(inclies)	Color (moi	st)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture		emarks		
					-							
¹ Type: C=Cor	¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix ² Location: PL=Pore Lining. RC=Root Channel. M=Matrix											
Hydric Soil I	ndicators:			Indicators for Pro	oblemati	c Hydric So	oils: ³					
Histosol or	r Histel (A1)			Alaska Color Ch	nange (TA	4) ⁴		Alaska Gleyed Without H	ue 5Y or Redder			
Histic Epip	edon (A2)			Alaska Alpine s	wales (TA	5)		Underlying Layer				
	Sulfide (A4)			Alaska Redox V	Vith 2.5Y H	lue	\checkmark	Other (Explain in Remark	s)			
	Surface (A12)											
_	. ,			³ One indicator of	hydrophyt	ic vegetatio	n, one prin	nary indicator of wetland h	ydrology,			
Alaska Gle	, , ,			and an appropriat	e landscap	be position n	nust be pre	esent				
Alaska Red				⁴ Give details of co	olor chang	e in Remark	c					
	eyed Pores (A15)					5					
Restrictive Laye	er (if present):								-	-		
Type:								Hydric Soil Present	?Yes 🖲	No		
Depth (incl	nes):											
Remarks:												
pond, assume I	nvdric soil.											
HYDROLO	GY											
Wetland Hyd	rology Indicat	ors:						Secondary Indi	cators (two or mo	re are required)		
Primary Indica	tors (any one is	sufficient)						Water Stai	ned Leaves (B9)			
Surface W	/ater (A1)			Inundation V	isible on A	erial Imager	rv (B7)	🗌 Drainage P	atterns (B10)			
High Wate	 ✓ Surface Water (A1) ☐ High Water Table (A2) ☐ Sparsely Vegetated Concave Surface (B8) 											
Saturation				Marl Deposits			.e (.b.e)		f Reduced Iron (C			
Water Ma	. ,				. ,	(C1)		Salt Depos	•	· · /		
				Hydrogen Sul						21)		
	Deposits (B2)			Dry-Season V		. ,		_	Stressed Plants (I).))		
Drift Depo				Other (Explai	n in Rema	rks)		_ '	ic Position (D2)			
	or Crust (B4)								uitard (D3)			
Iron Depo	osits (B5)							Microtopog	raphic Relief (D4)			
Surface S	oil Cracks (B6)							FAC-neutra	l Test (D5)			
Field Observa	ations:	-	~									
Surface Wate	r Present?	Yes 🖲	No 🔿	Depth (inche	s): 40							
Water Table F	Present?	Yes \bigcirc	No 🖲	Donth (in-b-	c);		Wetla	nd Hydrology Presen	t?Yes 🖲			
				Depth (inche	5):		cudi		163 (
Saturation Pre (includes capi		Yes \bigcirc	No 🖲	Depth (inche	s):							
		m gauge, r	nonitor wel	l, aerial photos, prev	vious inspe	ection) if ava	ilable:					
Remarks:												
small pond per	m flooded											