WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	Borough/City:	Matanuska-Susitna Borough Sampling Date:	09-Jul-13
Applicant/Owner: Alaska Energy Authority		Sampling Point: SW1	3_T123_04
Investigator(s): WAD, BAB	Landform (hills	side, terrace, hummocks etc.): Channel (active)	
Local relief (concave, convex, none): concave	Slope: 8.7	% / 5.0 ° Elevation: 963	
Subregion : Southcentral Alaska Lat.:	62.751375556	Long.: -149.388684988 Datu	m: WGS84
Soil Map Unit Name:		NWI classification: R3UBH	
	ar? Yes ⁽ htly disturbed? problematic?	 No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes (If needed, explain any answers in Remarks.) 	No \bigcirc
SUMMARY OF FINDINGS - Attach site map showing sa	mpling point	locations, transects, important features, et	C.

	Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes ● Yes ● Yes ●	No	Is the Sampled Area within a Wetland?	Yes $ullet$ No $igodot$
F	Remarks:				

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

		Abco	olute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum			over	Species?	Status	Number of Dominant Species
1.			0			That are OBL, FACW, or FAC: (A)
2.		- ,	0			Total Number of Dominant Species Across All Strata: 0 (B)
3			0			Percent of dominant Species
1			0			That Are OBL, FACW, or FAC:(A/B)
5.			0			Prevalence Index worksheet:
Total Cover:						Total % Cover of: Multiply by:
Sapling/Shrub Stratum	50% of Total Cover:	0	20% o	f Total Cover:	0	OBL Species $0 \times 1 = 0$
1			0			FACW Species $0 \times 2 = 0$
1. 2.			0			FAC Species $0 \times 3 = 0$
2			0			FACU Species $0 \times 4 = 0$
4			0			UPL Species $0 \times 5 = 0$
5.			0			Column Totals: <u>0</u> (A) <u>0</u> (B)
6.			0			
7.			0			Prevalence Index = B/A =0.000_
8.			0			Hydrophytic Vegetation Indicators:
9.			0			Dominance Test is > 50%
10.			0			Prevalence Index is ≤ 3.0
	Total Cove		0			Morphological Adaptations ¹ (Provide supporting data in
Herb Stratum	50% of Total Cover:	0	20% (of Total Cover	: 0	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.			0			be present, unless disturbed or problematic.
4.			0			Plot size (radius, or length x width) 10m
5.			0			Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes
6			0			(Where applicable)
7			0			% Bare Ground
8			0			Total Cover of Bryophytes
			0			
			0			Hydrophytic
	50% of Total Cover:	0	20% o	f Total Cover:	0	Present? Yes $ullet$ No $igcup$
Remarks: unvegetated active	channel with overhanging	salix.				

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) Matrix Redox Features										
Depth (inches)	Color (moi	st)	%	Color (moist)	%	Type ¹	Loc 2	Texture	F	Remarks
					-					
	·									
¹ Type: C=Con	centration. D=	Depletion.	RM=Reduc	ed Matrix ² Locatio	n: PI =Por	e Linina. R(=Root Cha	annel. M=Matrix	-	
		- opiecieni		Indicators for P		-				
Hydric Soil In				_		4				
Histosol or	. ,			Alaska Color C		-		Alaska Gleyed Without H Underlying Layer	ue 5Y or Redder	
Histic Epipe	• •			Alaska Alpine s				Other (Explain in Remark	c)	
Hydrogen S	. ,				///// 2.51	пие	L		5)	
	Surface (A12)			³ One indicator of	hydrophy	tic vegetatio	on, one prir	mary indicator of wetland h	ydrology,	
Alaska Gley				and an appropria						
Alaska Red	ox (A14) ved Pores (A15			⁴ Give details of c	olor chang	e in Remarl	s			
)			-					
Restrictive Laye	r (if present):									\sim
Type:								Hydric Soil Present	?Yes 🖲	No 🔿
Depth (inch	es):									
				es). active channel,	,					
HYDROLO	GY									
Wetland Hydr	ology Indicat	ors:						Secondary Indi	cators (two or m	ore are required)
Primary Indicat	ors (any one is	sufficient))					Water Stai	ned Leaves (B9)	
Surface W	ater (A1)			Inundation \	'isible on A	erial Image	ry (B7)	🗹 Drainage P	atterns (B10)	
	r Table (A2)			Sparsely Veg	etated Co	ncave Surfa	ce (B8)	Oxidized R	nizospheres alon	g Living Roots (C3)
Saturation				Marl Deposit	. ,				f Reduced Iron (C4)
Water Mar				Hydrogen Su				Salt Depos		
_	Deposits (B2)			Dry-Season				_	Stressed Plants	(D1)
Drift Depo	()			Other (Expla	in in Rema	arks)		Geomorphi		
_	or Crust (B4)							Shallow Aq		1)
Iron Depos	sits (B5) il Cracks (B6)								raphic Relief (D4	t)
	. ,								T Test (D5)	
Field Observa Surface Water		Yec 🖲	No 〇	Depth (inche	ac): 17					
		-					\A/ =±1 -	nd Useduale Dire	N (A)	No 🔿
Water Table P				Depth (inche	es):		wetla	nd Hydrology Presen	t?Yes 🖲	NO \bigcirc
Saturation Pres (includes capill		Yes 〇	No 🖲	Depth (inche	es):					
Describe Record	led Data (strea	m gauge,	monitor we	ll, aerial photos, pre	vious inspe	ection) if av	ailable:			
Remarks:										