WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	Borough/City:	Matanuska-Susitna Borough Sampling Dat	te: 05-Jul-13
Applicant/Owner: Alaska Energy Authority		Sampling Point:	SW13_T105_04
Investigator(s): JER	Landform (hills	side, terrace, hummocks etc.): Channel (ac	tive)
Local relief (concave, convex, none): concave	Slope: 7.0	% / 4.0 ° Elevation: 759	
Subregion : Interior Alaska Mountains Lat.:	62.759983778	Long.: -147.925972104	Datum: WGS84
Soil Map Unit Name:		NWI classification: R3	JBH
	ar? Yes (ntly disturbed? problematic?	 No (If no, explain in Remarks.) Are "Normal Circumstances" present? (If needed, explain any answers in Remark 	′es ● No ○ (s.)
SUMMARY OF FINDINGS - Attach site map showing sa	mpling point	locations, transects, important feature	es, etc.

Hydrophytic Vegetation Present?	Yes 🖲	Νο Ο	la tha Carron la d'Araa	
Hydric Soil Present?	Yes 🖲	No 🔿	Is the Sampled Area	Yes 🖲 No 🔿
Wetland Hydrology Present?	Yes 🖲	No 🔿	within a Wetland?	

Remarks: small perennial stream w evidence of overbank deposits in adjacent riparian community. Overhanging willows obscure creek from above.

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

		Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum		% Cover	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		
4.		0			That Are OBL, FACW, or FAC: 0.0% (A/B)		
5.		0			Prevalence Index worksheet:		
	Total Cover:	0			Total % Cover of: Multiply by:		
Sapling/Shrub Stratum 50% of Tota	Cover:	0 20%	of Total Cover:	0	OBL Species $0 \times 1 = 0$		
1		0			FACW Species 0 x 2 = 0		
2.		0			FAC Species 0 x 3 = 0		
3.		0			FACU Species 0 x 4 = 0		
4.					UPL Species 0 x 5 = 0		
5.					Column Totals: <u>0</u> (A) <u>0</u> (B)		
6.							
7					Prevalence Index = B/A =		
8					Hydrophytic Vegetation Indicators:		
9					Dominance Test is > 50%		
10		0			Prevalence Index is ≤3.0		
Total Cover:				Morphological Adaptations ¹ (Provide supporting data in			
Herb Stratum 50% of Tota	l 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					be present, unless disturbed or problematic.		
4.					Plot size (radius, or length x width)		
5.					Plot size (radius, or length x width) <u>10m</u>		
6.		0			% Cover of Wetland Bryophytes (Where applicable)		
7					% Bare Ground		
8.					Total Cover of Bryophytes		
9.							
10.		0			Hydrophytic		
Total Cover: 0				Vegetation			
50% of Tota	Cover:	0 20%	of Total Cover:	0	Present? Yes \bullet No \bigcirc		
Remarks: unvegetated active channel, assum	e hydrophyt	ic vegetatio	on.				

SOIL

		e depth need atrix	ed to docum	nent the indicator or co	nfirm the ab dox Featu		icators)		
Depth (inches)	Color (mois	t)	%	Color (moist)	%	Type ¹	Loc 2	Texture	Remarks
						-			
	·						·		
							·		
¹ Type: C=Con	centration. D=	Pepletion. R	M=Reduce	ed Matrix ² Location	n: PL=Por	e Lining. R	C=Root Cha	nnel. M=Matrix	
Hydric Soil Ir	dicators:			Indicators for P	oblemati	c Hydric S	Soils: ³		
Histosol or	Histel (A1)			Alaska Color C	hange (TA	4) 4)		Alaska Gleyed Without H	ue 5Y or Redder
Histic Epipe	. ,			Alaska Alpine	wales (TA	5)		Underlying Layer	
	Sulfide (A4)			Alaska Redox	Nith 2.5Y H	Hue	\checkmark	Other (Explain in Remark	s)
	Surface (A12)								
Alaska Gle	. ,							nary indicator of wetland h	ydrology,
Alaska Red				and an appropria	te landscap	be position	must be pre	esent	
	/ed Pores (A15)			⁴ Give details of c	olor chang	e in Remar	ks		
Restrictive Laye	r (if present):								· · · · ·
Type:								Hydric Soil Present	? Yes $ullet$ No $igcap$
Depth (inch	es):								
Remarks:									
active channel,	assume hydric s	oil							
HYDROLO	GY								
Wetland Hydr	-	ors:						Secondary Indi	cators (two or more are required)
-	ors (any one is								ned Leaves (B9)
Surface W				Inundation V	/isible on A	erial Image	erv (B7)		atterns (B10)
							hizospheres along Living Roots (C3)		
Saturation	. ,			Marl Deposits (B15)					
U Water Mar	. ,			Hydrogen Sulfide Odor (C1) Salt Deposits (C5)					
	Deposits (B2)			Dry-Season Water Table (C2)					
Drift Depo						• •			c Position (D2)
	or Crust (B4)								. ,
Iron Depo	. ,								raphic Relief (D4)
	oil Cracks (B6)							FAC-neutra	
Field Observa									
Surface Water		Yes 🖲	No \bigcirc	Depth (inche	es): 48				
Water Table P	recent?	Yes 🖲		Depth (inche	,		Wetlau	nd Hydrology Presen	t? Yes 🖲 No 🔾
Saturation Pre					,		ii celu	ina myarology modeli	
(includes capil		Yes 🖲	No 🔾	Depth (inche	es): 0				
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:									
Remarks:									
perennial creek	14 ft across								