WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	Borough/City:	Matanuska-Susitna Borough Sampling Date	e: 08-Jul-13
Applicant/Owner: Alaska Energy Authority		Sampling Point:	SW13_T128_03
Investigator(s): JER	Landform (hills	ide, terrace, hummocks etc.): Swale	
Local relief (concave, convex, none):	Slope: 15.8	% / 9.0 ° Elevation: 1037	
Subregion : Southcentral Alaska Lat.:	62.94173491	Long.: -148.863629103	Datum: WGS84
Soil Map Unit Name:		NWI classification: R3U	IBH
	ar? Yes ⁽ itly disturbed? problematic?	 No (If no, explain in Remarks.) Are "Normal Circumstances" present? Yes (If needed, explain any answers in Remarks) 	es 🔍 No 🔾 s.)
SUMMARY OF FINDINGS - Attach site map showing sa	mpling point	locations, transects, important feature	s, etc.

Hydrophytic Vegetation Present? Yes ● No ○ Hydric Soil Present? Yes ● No ○ Wetland Hydrology Present? Yes ● No ○	Is the Sampled Area within a Wetland? Yes $\buildrel No$ $\buildrel O$
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Remarks: rocky bottom perrenial creek, to 24 in deep, 2--4 ft wide, swift. overhanging salpul, but not obscurred from above.

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

		Absolu	te Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum		% Cov		Status	Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)	
1.		()			
2.					Total Number of Dominant Species Across All Strata: 0 (B)	
3		(Percent of dominant Species	
Δ		-			That Are OBL, FACW, or FAC: 0.0% (A/B)	
5		(D		Prevalence Index worksheet:	
	Total Cover	0			Total % Cover of: Multiply by:	
Sapling/Shrub Stratum	50% of Total Cover:	0 2	0% of Total Cover	0	OBL Species x 1 =	
1		(D 🗌		FACW Species <u>0</u> x 2 = <u>0</u>	
2.			D		FAC Species x 3 =	
2			D		FACU Species x 4 =	
1		(D		UPL Species x 5 =	
5.					Column Totals: <u>0</u> (A) <u>0</u> (B)	
6		(Prevalence Index = B/A = 0,000	
7			<u> </u>			
8					Hydrophytic Vegetation Indicators:	
9					Dominance Test is > 50%	
10.			D		Prevalence Index is ≤ 3.0	
Herb Stratum	Total Cover 50% of Total Cover:		 20% of Total Cover	. 0	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
		-			Problematic Hydrophytic Vegetation ¹ (Explain)	
1						
2.					¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
3						
4.					Plot size (radius, or length x width)	
5					% Cover of Wetland Bryophytes	
6					(Where applicable)	
7					% Bare Ground	
8		(Total Cover of Bryophytes	
9		(
10		(Hydrophytic	
	Total Cover	: 0			Vegetation	
	50% of Total Cover:	0 2	0% of Total Cover:	0	Present? Yes \bullet No \bigcirc	
Remarks: unvegetated active	channel					

SOIL

	n: (Describe to the dep Matrix		ument the indicator or co Re	confirm the ab edox Featu		cators)		
Depth (inches)	Color (moist)	%	Color (moist)	%	Type ¹	_Loc_2	Texture	Remarks
							a-	
								ı »
······ ,	·							
¹ Type: C=Conc	entration. D=Depl	etion. RM=Reduc	ced Matrix ² Locatio	on: PL=Por	e Lining. R	C=Root Cha	annel. M=Matrix	
Hydric Soil Ind	dicators:		Indicators for P	Problemati	ic Hydric S	oils:		
Histosol or H			Alaska Color C		4		Alaska Gleyed Without H	ue 5Y or Redder
Histic Epiped	. ,		Alaska Alpine		,	_	Underlying Layer	
Hydrogen Su			Alaska Redox	-	-	\checkmark	Other (Explain in Remark	ks)
	Surface (A12)		· · · · ·					
Alaska Gleye	ed (A13)		³ One indicator or and an appropria				mary indicator of wetland h resent	ıydrology,
Alaska Redo	ox (A14)						25Cm	
Alaska Gleye	ed Pores (A15)		⁴ Give details of o	color change	e in Reman	ks		
Restrictive Layer	(if present):							
Туре:	· ·						Hydric Soil Present	:? Yes $ullet$ No $igcap$
Depth (inche	2S):						-	
Remarks:								
	assume hydric soil							
l								
l								
·								
HYDROLOG	ΞΥ Ξ							
-	ology Indicators:							icators (two or more are required)
·	ors (any one is suff	icient)						ined Leaves (B9)
Surface Wat	. ,				-	, , ,		Patterns (B10)
High Water	. ,			egetated Cor	ncave Surfa	ice (B8)	_	Rhizospheres along Living Roots (C3)
Saturation (Marl Deposit	. ,				of Reduced Iron (C4)
Water Mark			Hydrogen Si				Salt Depos	
Drift Deposi	Deposits (B2)			n Water Tabl	· · /		_	r Stressed Plants (D1) nic Position (D2)
Drift Deposi Algal Mat or			Other (Expla	ain in Kema	irks)			nic Position (D2) quitard (D3)
Iron Deposi	. ,							graphic Relief (D4)
	il Cracks (B6)							al Test (D5)
Field Observati	()							
Surface Water P		es No	Depth (inch	nes): 24				
Water Table Pre		es O No O	Depth (inch	,		Wetla	nd Hydrology Presen	nt? Yes $ullet$ No $igodom$
Saturation Prese			, ,	,			nu nyarolog,	
(includes capilla	ary fringe)	s O No O	Depth (inch			· • • • •		
Describe Recorae	ed Data (stream ga	auge, monitor we	ell, aerial photos, pre	evious inspe	ection) if av	ailable:		
Remarks:								
perrenial creek								
perional sizz								