WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	Borough/City:	Matanuska-Susitna Borough	Sampling Date:	11-Jul-13				
Applicant/Owner: Alaska Energy Authority		Samplir	ng Point:SV	V13_T120_02				
Investigator(s): JGK	Landform (hills	de, terrace, hummocks etc.):	Flat					
Local relief (concave, convex, none): convex	Slope: 3.5	% / 2.0 ° Elevation: 980						
Subregion : Southcentral Alaska Lat.:	62.701786876	Long.: -149.714145	303 Da	atum: WGS84				
Soil Map Unit Name:		NWI classi	fication: R3UBH	<u> </u>				
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)								
SUMMARY OF FINDINGS - Attach site map showing sa	mpling point l	ocations, transects, impor	tant features,	etc.				

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes ● Yes ● Yes ●	No 🔿 No 🔾 No 🔾	Is the Sampled Area within a Wetland?	Yes 🖲 No 🔿
Remarks:				

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

		Abso	luto	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum		% Co		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:			0			Total % Cover of: Multiply by:		
Sapling/Shrub Stratum	50% of Total Cover:	0	20% of	Total Cover:	0	OBL Species 0 x 1 = 0		
1			0			FACW Species 0 x 2 = 0		
2.			0			FAC Species $0 \times 3 = 0$		
3.			0	\Box		FACU Species 0 x 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 = 2.000		
8.			0			Hydrophytic Vegetation Indicators:		
9.			0			Dominance Test is > 50%		
10.			0			Prevalence Index is ≤ 3.0		
 				Morphological Adaptations ¹ (Provide supporting data in				
Herb Stratum	50% of Total Cover:	0	20% o	f 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)		
5			0			% Cover of Wetland Bryophytes		
6.			0			(Where applicable)		
7			0			% Bare Ground		
8		_	0			Total Cover of Bryophytes		
9		_	0					
10		_	0			Hydrophytic		
Total Cover:0				Vegetation				
	50% of Total Cover:	0	20% of	Total Cover:	0	Present? Yes 🖲 No 🔾		
Remarks: unvegetated active of	channel							

		e depth neede atrix	ed to docur	nent the indicator or con Rec	nfirm the ab		cators)				
Depth (inches)	Color (mois	t) (%	Color (moist)	%	Type ¹	Loc 2	Texture	F	lemarks	
			LOO								
		1	LOO								
				,							
	·							·			
	·										
¹ Type: C=Co	ncentration. D=I	Depletion. R	M=Reduc	ed Matrix ² Location	n: PL=Por	e Lining. R	C=Root Cha	annel. M=Matrix			
Hydric Soil I	ndicators:			Indicators for Pr	oblemati	c Hydric S	oils: ³				
	r Histel (A1)			Alaska Color Ch		4		Alaska Gleyed Without Hu	e 5Y or Redder		
	pedon (A2)			Alaska Alpine s			Underlying Layer				
	Sulfide (A4)			Alaska Redox V	Vith 2.5Y I	Hue	\checkmark	Other (Explain in Remarks)			
	k Surface (A12)										
🗌 Alaska Gle	eyed (A13)			³ One indicator of and an appropriat				nary indicator of wetland hy	drology,		
Alaska Ree	dox (A14)					•	•	esent			
🗌 Alaska Gle	eyed Pores (A15)			⁴ Give details of co	olor chang	e in Remarl	<s< td=""><td></td><td></td><td></td></s<>				
Restrictive Laye	er (if present):										
Type:								Hydric Soil Present?	Yes 🖲	No 🔿	
Depth (incl	hes):							-			
	assume hydric s										
HYDROLO	-										
-	rology Indicat ators (any one is								ators (two or mo ed Leaves (B9)	ore are required)	
Surface V		Sumclency		Inundation V	isible on A	erial Image	ry (B7)		atterns (B10)		
	er Table (A2)					5	, , ,		hizospheres along Living Roots (C3)		
Saturation	. ,			Sparsely Vegetated Concave Surface (B8) Oxidized Rhizospheres along Living Roots (Marl Deposits (B15) Presence of Reduced Iron (C4)							
Water Ma	. ,			Hard Deposits (B15) Hestite of residee and (C1) Hydrogen Sulfide Odor (C1) Salt Deposits (C5)						,	
	Deposits (B2)			Dry-Season Water Table (C2) Stunted or Stressed Plants (D1)						(D1)	
Drift Dep	osits (B3)			□ Other (Explain in Remarks)							
🗌 Algal Mat	or Crust (B4)							Shallow Aq	uitard (D3)		
Iron Depo	osits (B5)							Microtopog	raphic Relief (D4)	
Surface S	oil Cracks (B6)							FAC-neutra	Test (D5)		
Field Observa	ations:	\sim	\sim								
Surface Wate	r Present?	Yes 🖲		Depth (inche	s):					-	
Water Table F	Present?	Yes \bigcirc	No 🖲	Depth (inche	s):		Wetla	nd Hydrology Present	:? Yes 🖲	No \bigcirc	
Saturation Pre (includes capi		$_{\rm Yes} \bigcirc$	No 🖲	Depth (inche	s):						
Describe Recor	ded Data (strea	m gauge, me	onitor we	ll, aerial photos, prev	vious inspe	ection) if av	ailable:				
Damas !											
Remarks:											