## WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	B	orough/City:	Matanusk	ca-Susitna Borough Sampling Date: 11-Jul-13
Applicant/Owner: Alaska Energy Authority				Sampling Point: SW13_T120_02
nvestigator(s): JGK	ce, hummocks etc.): Flat			
Local relief (concave, convex, none): convex		Slope:		9 ° Elevation: 981
Subregion : Southcentral Alaska	Lat ·	62.701786875	 58	Long.: -149.714145303 Datum: NAD83
Soil Map Unit Name:		02.701700070		NWI classification: R3UBH
Are climatic/hydrologic conditions on the site typical for this	time of woor	2 Voc	● No ○	
Are Vegetation , Soil , or Hydrology	significantly naturally pr	y disturbed? roblematic?	Are "N (If nee	lormal Circumstances" present? Yes  ● No  ○ eded, explain any answers in Remarks.)
Hydrophytic Vegetation Present? Yes   No		lo	the Com	upled Area
Hydric Soil Present? Yes ● No (	ıpled Area /etland? Yes ◉ No ◯			
Wetland Hydrology Present? Yes   No	<u> </u>	W	ithin a W	retiand? res o no o
<b>/EGETATION -</b> Use scientific names of plants. I	List all spe	ecies in the	•	Dominance Test worksheet:
Tree Stratum	% Cover		Status	Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
1.				That are OBL, FACW, or FAC:
2	0			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 Cove				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 0 x 2 = 0
2.				FAC Species x 3 =0
3.	0			FACU Species 0 x 4 = 0
4	0			UPL Species <u>0</u> x 5 = <u>0</u>
5				Column Totals: 0 (A) 0 (B)
6				Prevalence Index = B/A = 2.000
7	0			
8				Hydrophytic Vegetation Indicators:
9.				☐ Dominance Test is > 50%
10.				☐ Prevalence Index is ≤3.0
Total Cove  Herb Stratum 50% of Total Cover:	0 20%	6 of Total Cover	·:0	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
1				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
2.				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3				be present, unless disturbed of problematic.
4				Plot size (radius, or length x width)
5				% Cover of Wetland Bryophytes
6				(Where applicable)  % Bare Ground
7. 8.				% Bare Ground Total Cover of Bryophytes
9.				Total cover of bryophytes
10.				Hydrophytic
	er: 0			Vegetation
Total Cove			: 0	Present? Yes   No

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SOIL Sampling Point: SW13\_T120\_02

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)  Matrix Redox Features						cators)			
Depth (inches)							. 2	Touturo	Romanico
(inches)	Color (moi	st)		Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
			100						
			100						
¹Type: C=Cor	ncentration. D=	Depletion. F	₹M=Reduced	d Matrix <sup>2</sup> Location	n: PL=Por	e Lining. RC	C=Root Cha	nnel. M=Matrix	
Hydric Soil I	ndicators:			Indicators for Pr	roblemati	c Hydric S	oils: <sup>3</sup>		
	r Histel (A1)		ſ	Alaska Color Cl		4		Alaska Gleyed Without H	ue 5Y or Redder
	pedon (A2)		Ī	Alaska Alpine s		-		Underlying Layer	ac 31 of feeder
	Sulfide (A4)		ſ	Alaska Redox V	-	-	<b>✓</b>	Other (Explain in Remark	is)
	k Surface (A12)		_	/ Hadina readox .					,
Alaska Gle				<sup>3</sup> One indicator of	i hydrophy <sup>i</sup>	tic vegetatio	on, one prim	nary indicator of wetland h	ydrology,
Alaska Gie				and an appropriat	te landscar	pe position i	must be pre	esent	ļ
	uox (A14) eyed Pores (A15	)		4 Give details of co	olor chang	je in Remark	ks		
		<u>'</u>							
Restrictive Laye	er (ii present):							Hardela Call Barrana	3 Y (A) N- (
Type:	La).							Hydric Soil Present	? Yes ● No O
Depth (inch	nes):								
HYDROLO	GY								_
	rology Indicat	ors:		-				Secondary Indi	cators (two or more are required)
Primary Indica	ators (any one is	sufficient)							ned Leaves (B9)
✓ Surface W	Vater (A1)			☐ Inundation V	/isible on A	Aerial Image	ery (B7)	☐ Drainage P	Patterns (B10)
☐ High Wat	er Table (A2)			Sparsely Veg		_		Oxidized R	hizospheres along Living Roots (C3)
☐ Saturation				Marl Deposits			,		of Reduced Iron (C4)
☐ Water Ma	ırks (B1)			Hydrogen Su	, ,	(C1)		Salt Depos	
	Deposits (B2)			Dry-Season \					Stressed Plants (D1)
☐ Drift Depo	osits (B3)			Other (Expla				<b>✓</b> Geomorphi	ic Position (D2)
Algal Mat	or Crust (B4)					-,		Shallow Ag	juitard (D3)
☐ Iron Depo									graphic Relief (D4)
Surface S	Soil Cracks (B6)							_	Il Test (D5)
Field Observa	ations:								
Surface Water	r Present?	Yes	No	Depth (inche	es):				
Water Table P	Present?	Yes 🔾	No 💿	Depth (inche	~~)·		Wetlar	nd Hydrology Presen	t? Yes • No O
Saturation Pre				, ,	•			Im 1., m. 5.4 g ,	- 100 - 110
(includes capi		Yes O	No 💿	Depth (inche	es):				
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:									
Remarks:									

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