WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Applicant/Owner: Alaska Energy Authority		Borough/City:	Matanusk	Sampling Point: 01-Aug-12 Sampling Point: SW12_T52_07			
		Landform (h	illeide terrac				
		Landform (hillside, terrace, hummocks etc.): Flat Slope: 0.0 % / 0.0 ° Elevation: 706					
· · · · · · · · · · · · · · · · · · ·							
Subregion : Interior Alaska Mountains	Lat.:	62.7888915	753	Long.:148.522854972			
Soil Map Unit Name:				NWI classification: PEM1E			
	significant naturally p	ly disturbed? roblematic?	Are "N (If nee	Normal Circumstances" present? Yes No No No No No No No No No No			
Hydrophytic Vegetation Present? Yes No C Hydric Soil Present? Yes No C Wetland Hydrology Present? Yes No C Remarks: Sedge-moss bog, maybe too small to map but of)	V	vithin a W	npled Area /etland? Yes • No ·			
EGETATION -Use scientific names of plants. Li	st all sp	ecies in the	e plot.	Dominance Test worksheet:			
Tree Stratum	Absolute % Cover		Indicator Status	Number of Dominant Species			
1				That are OBL, FACW, or FAC:1 (A)			
	-			Total Number of Dominant Species Across All Strata: 1 (B)			
3				-			
4.	0			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)			
5.	0			Prevalence Index worksheet:			
Total Covers				Total % Cover of: Multiply by:			
Sapling/Shrub Stratum 50% of Total Cover:	0 20%	6 of Total Cove	er: 0	OBL Species 3 x 1 = 3			
1	0			FACW Species 10 x 2 = 20			
1 2.			-	FAC Species 0 x 3 = 0			
		. П		FACU Species 0 x 4 = 0			
4.				UPL Species $0 \times 5 = 0$			
5.	_			Column Totals: 13 (A) 23 (B)			
6.							
7.				Prevalence Index = B/A = 1.769			
8.	0			Hydrophytic Vegetation Indicators:			
9.	0			✓ Dominance Test is > 50%			
10	0			✓ Prevalence Index is ≤3.0			
Total Cover: Herb Stratum 50% of Total Cover:	er: <u>0</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)					
Eriophorum russeolum	10		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)			
Equisetum fluviatile	_1_		OBL	¹ Indicators of hydric soil and wetland hydrology must			
3. Carex magellanica			OBL	be present, unless disturbed or problematic.			
4. Carex aquatilis	-		OBL	Plot size (radius, or length x width)			
5				% Cover of Wetland Bryophytes			
				(Where applicable)			
6				% Bare Ground 0			
7							
7. 8.	0			Total Cover of Bryophytes			
7. 8. 9.	0						
7. 8.	0 0			Hydrophytic Vegetation Present? Yes No			

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SOIL Sampling Point: SW12_T52_07

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)											
Depth		latrix	— —		dox Featu				Parrieda		
(inches)	Color (mois	st)		Color (moist)	_%_	Type ¹	_Loc_ ²	Texture	Remarks		
0-14			100					Fibric Organics	2% roots		
			— —								
								P			
¹Type: C=Cor	ncentration. D=	Depletion. F	RM=Reduced	d Matrix ² 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:				
✓ Histosol o	r Histel (A1)		[Alaska Color C	hange (TA	4 4)		Alaska Gleyed Without Hue 5Y or Redder			
_	pedon (A2)		[Alaska Alpine s		•		Underlying Layer			
	Sulfide (A4)		[Alaska Redox \	-	•		Other (Explain in Remarks)			
	k Surface (A12)										
	eyed (A13)							nary indicator of wetland h	ydrology,		
Alaska Red				and an appropria	te ianascap	e position i	must be pre	esent			
	eyed Pores (A15))		⁴ Give details of o	:olor change	e in Remark	(S				
Restrictive Laye	er (if present):										
Type:								Hydric Soil Present	? Yes ◉ No O		
Depth (inch	nes):							-			
Remarks:											
HYDROLO											
	rology Indicat	ors:						Secondary Indi	cators (two or more are required)		
-	ators (any one is								ned Leaves (B9)		
	Vater (A1)			☐ Inundation V	Visible on A	erial Image	erv (B7)				
✓ High Wate	. ,					_	, , ,		hizospheres along Living Roots (C3)		
 ✓ High Water Table (A2) ✓ Sparsely Vegetated Concave Surface (B8 ✓ Saturation (A3) Marl Deposits (B15) 							cc (20)	Presence of Reduced Iron (C4)			
Water Ma	. ,			Hydrogen Su	. ,	(C1)		Salt Depos	. ,		
	Deposits (B2)			Dry-Season V					Stressed Plants (D1)		
Drift Depo	,			Other (Expla					ic Position (D2)		
I — ·	or Crust (B4)			Culci (Enp.	III III IXCII.C	INJ)			juitard (D3)		
☐ Iron Depo									graphic Relief (D4)		
	Soil Cracks (B6)							✓ FAC-neutra			
Field Observa	` ,								1 1000 (20)		
Surface Water		Yes \bigcirc	No 💿	Depth (inche	es):						
Water Table F		Yes			•		Wetlar	nd Hydrology Presen	t? Yes • No O		
Saturation Pre				Depth (inche	es): u		VV Ct.u.	ilu ilyulology i lese	ti les 🔾 lio C		
(includes capi		Yes	No O	Depth (inche	es): 0						
Describe Recor	ded Data (strea	m gauge, n	nonitor well,	aerial photos, pre	vious inspe	ection) if ava	ailable:				
Remarks:											

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