WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	В	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 04-Aug-12								
Applicant/Owner: Alaska Energy Authority	Sampling Point: SW12_T99_01											
Investigator(s): SLI, KMK	side, terrace, hummocks etc.): Shoreline											
Local relief (concave, convex, none): concave				° Elevation: 576								
Subregion : Southcentral Alaska												
	Lat	02.002230376										
Soil Map Unit Name:			<u> </u>	NWI classification: PEM1H								
	nificantly	disturbed? oblematic?	Are "N	(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.)								
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.												
Hydrophytic Vegetation Present? Yes No No		le f	the Sam	unlad Araa								
Hydric Soil Present? Yes ● No ○			the Sampled Area thin a Wetland? Yes ◉ No ◯									
Wetland Hydrology Present? Yes ● No ○		WIT	inin a w	vetiand? Tes C No C								
Remarks: characterizing emergent fringe on Stephan Lake. point at edge of community due to water depth. Cannot code as Cowardin lacustrine as dominated by persistent emergent veg.												
VEGETATION -Use scientific names of plants. List	all spe	cies in the p	olot.									
	bsolute	Dominant		Dominance Test worksheet:								
Tree Stratum 9	6 Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)								
				Total Number of Dominant								
2.				Species Across All Strata: (B)								
3. 4.				Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)								
4. 5.				That Are OBE, FACW, OF FAC. 100.0% (A/B)								
Total Cover:	0			Prevalence Index worksheet:								
Sapling/Shrub Stratum 50% of Total Cover: 0		of Total Cover	0	Total % Cover of: Multiply by:								
				OBL Species 72 x 1 = 72								
1				FAC Species 0 x 2 = 0								
2.				FAC Species $0 \times 3 = 0$ FACU Species $0 \times 4 = 0$								
3.				UPL Species 0 x 5 = 0								
4												
5.	0			Column Totals: <u>72</u> (A) <u>72</u> (B)								
6 7.	0			Prevalence Index = B/A =1.000_								
0		П		Hydrophytic Vegetation Indicators:								
9.	0	Ī		Dominance Test is > 50%								
10.	0			✓ Prevalence Index is ≤3.0								
Total Cover: Herb Stratum 50% of Total Cover:0	0 20%	of Total Cover:	0	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)								
1 Panunculus hyporhorous	2		OBL	Problematic Hydrophytic Vegetation ¹ (Explain)								
Carex aquatilis	30	<u></u>	OBL	Indicators of hydric soil and wetland hydrology must								
Comarum palustre	10		OBL	be present, unless disturbed or problematic.								
Equisetum fluviatile	30	✓	OBL	Diet size (vadius or leg-th								
5.	0			Plot size (radius, or length x width) 2m x 5m								
6.	0			% Cover of Wetland Bryophytes (Where applicable)								
7	0			% Bare Ground								
8	0			Total Cover of Bryophytes								
9												
	0			Hydrophytic								
10												
	72	of Total Cover	14.4	Vegetation Present? Yes ● No ○								

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SOIL Sampling Point: SW12_T99_01

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)							ators)						
Depth (inches)	Color (mois					Type ¹	Loc ²	Texture	Remarks				
()	Color (mois	st)		Loior (moist)		Туре	LOC	TORCATO	Kemarks				
									-				
								-					
						-							
¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix ² Location: PL=Pore Lining. RC=Root Channel. M=Matrix													
Hydric Soil T	Hydric Soil Indicators: Indicators for Problematic Hydric Soils:												
	r Histel (A1)			Alaska Color C		4		Alaska Gleyed Without Hue 5Y or Redder					
	edon (A2)		Ī	Alaska Alpine s		-		Underlying Layer					
	Sulfide (A4)			Alaska Redox \	-	-	✓	Other (Explain in Remark	s)				
	Surface (A12)												
Alaska Gle	, ,							nary indicator of wetland h	ydrology,				
Alaska Re				and an appropria	te landscap	e position n	nust be pre	esent					
Alaska Gle	eyed Pores (A15))		4 Give details of o	olor chang	e in Remark	S						
Restrictive Laye	er (if present):												
Type:								Hydric Soil Present	? Yes 💿 No 🔾				
Depth (incl	nes):												
Remarks:													
assume hydric	soils due to stan	ding water	and hydroph	ytic vegetation .									
HYDROLO	GY												
	rology Indicat	ors:						Secondary Indi	cators (two or more are required)				
-	itors (any one is								ned Leaves (B9)				
✓ Surface V	Vater (A1)			☐ Inundation V	isible on A	erial Imager	ry (B7)	(B7) Drainage Patterns (B10)					
High Wat	er Table (A2)			Sparsely Veg		_		Oxidized R	hizospheres along Living Roots (C3)				
Saturation (A3) Marl Deposits (B15)							` ,	Presence of	f Reduced Iron (C4)				
☐ Water Ma	Water Marks (B1) Hydrogen Sulfide Odor (C1)								its (C5)				
Sediment Deposits (B2) Dry-Season Water Table (C2)								☐ Stunted or	Stressed Plants (D1)				
									ic Position (D2)				
Algal Mat	Algal Mat or Crust (B4) Shallow Aquitard (D3)												
☐ Iron Depo	osits (B5)							Microtopog	raphic Relief (D4)				
Surface S	oil Cracks (B6)							✓ FAC-neutra	l Test (D5)				
Field Observa	ations:												
Surface Wate	r Present?	Yes 💿		Depth (inche	es): 6								
Water Table F	Present?	Yes \bigcirc	No 💿	Depth (inche	es):		Wetlar	nd Hydrology Presen	t? Yes 💿 No 🔾				
Saturation Pre		Yes 〇	No •	Depth (inche).								
(includes capi				• •									
Describe Recor	ded Data (strea	m gauge, n	nonitor well,	aerial photos, pre	vious inspe	ction) if ava	ilable:						
D 1													
Remarks:													
lake fringe													

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