WETLAND DETERMINATION DATA FORM - Alaska Region

Susitna-Watana Hydroelectric Project		Borough/City:	Matanusk	ca-Susitna Borough Sampling Date: 06-Jul-13			
ner: Alaska Energy Authority		Sampling Point: SW13_T112_04					
	side, terrac						
	% / 3.6	-					
	 36	Long.: -148.26109481 Datum: NAD83					
		NWI classification: PSS1B					
-	time of you	ro Vec	● No ○	(If no, explain in Remarks.)			
	•			lormal Circumstances" present? Yes No			
	•	•		eded, explain any answers in Remarks.)			
, ,	• •						
<u> </u>		mpling point	locations	s, transects, important features, etc.			
,		le	the Sam	upled Area			
nd Hydrology Present? Yes 🌘 No 🤇)	W	within a wetland?				
ON -Use scientific names of plants. I	ist all sp	ecies in the	plot.				
	Absolute	e Dominant	Indicator	Dominance Test worksheet:			
	% Cover		Status	Number of Dominant Species That are OBL, FACW, or FAC: 5 (A)			
glauca			FACU	Total Number of Dominant			
	0	-		Species Across All Strata: 7 (B)			
		-		Percent of dominant Species			
		-		That Are OBL, FACW, or FAC: 71.4% (A/B)			
Total Covo		- 📙		Prevalence Index worksheet:			
		_		Total % Cover of: Multiply by:			
irub Stratum 30% of Total Cover.	7.5 207			OBL Species 0 x 1 = 0			
•			FACU	FAC Species 6 x 2 = 12			
<u> </u>		_		FAC Species 70.1 x 3 = 210.3 FACU Species 30 x 4 = 120			
adandran tamantaayın		- 🖺		Column Totals: <u>106.1</u> (A) <u>342.3</u> (B)			
		-		Prevalence Index = B/A = 3.226			
	2	-		Hydrophytic Vegetation Indicators:			
· · · · · · · · ·		- 🗍		Dominance Test is > 50%			
-			FAC	☐ Prevalence Index is ≤3.0			
	☐ Morphological Adaptations ¹ (Provide supporting data in						
um 50% of Total Cover:	Remarks or on a separate sheet)						
bigelowii	20	✓	FAC	Problematic Hydrophytic Vegetation (Explain)			
s chamaemorus	1	_	FACW	¹ Indicators of hydric soil and wetland hydrology must			
ularis lapponica	_	- 📙	FAC	be present, unless disturbed or problematic.			
		-		Plot size (radius, or length x width) 10m			
		-		% Cover of Wetland Bryophytes			
		-		(Where applicable)			
		-		% Bare Ground			
		-		Total Cover of Bryophytes			
	Λ						
		-					
				Hydrophytic Vegetation			
	- <u>0</u> r: <u>21.1</u>		4.22	Hydrophytic Vegetation Present? Yes No			
	Alaska Energy Authority SLI, SCB	Absolute Comparison	ner: Alaska Energy Authority SIL, SCB	Total Cover: Alaska Energy Authority Silve Silv			

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SOIL Sampling Point: SW13_T112_04

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)									
Depth		latrix	— —		dox Featu		2		Parrier I.
(inches)	Color (mois	it)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	_Loc_2	Texture	Remarks
0-5			— –				-	Hemic Organics	
5-11								Sapric Organics	
								-	
¹Type: C=Co	ncentration. D=I	Depletion. F		d Matrix ² Location				nnel. M=Matrix	
Hydric Soil I	ndicators:			Indicators for Pr	oblemati	E Hydric So	oils: ³		
Histosol o	r Histel (A1)			Alaska Color Cl	hange (TA	4)] Alaska Gleyed Without Hi	ue 5Y or Redder
✓ Histic Epip	oedon (A2)			Alaska Alpine s	wales (TA	5)		Underlying Layer	
Hydrogen	Sulfide (A4)			Alaska Redox V	With 2.5Y H	lue		Other (Explain in Remark	rs)
☐ Thick Darl	k Surface (A12)			2					
Alaska Gle	eyed (A13)			One indicator of and an appropriat				nary indicator of wetland h	ydrology,
Alaska Re	dox (A14)					•	•	COCIT	
Alaska Gle	eyed Pores (A15))		⁴ Give details of co	olor chang	e in Remark	is .		
Restrictive Laye	er (if present):								
Type: froz	en							Hydric Soil Present	? Yes ● No O
Depth (incl	nes): 11								
HYDROLO	GY								
	rology Indicat	ors:						_Secondary Indic	cators (two or more are required)
Primary Indica	ators (any one is	sufficient)							ned Leaves (B9)
Surface V	Vater (A1)			☐ Inundation V	/isible on A	erial Image	ry (B7)	☐ Drainage P	atterns (B10)
✓ High Wat	er Table (A2)			Sparsely Veg		_		Oxidized R	hizospheres along Living Roots (C3)
✓ Saturation	n (A3)			Marl Deposits			,	Presence o	f Reduced Iron (C4)
☐ Water Ma	ırks (B1)			Hydrogen Su	ılfide Odor	(C1)		☐ Salt Depos	its (C5)
☐ Sediment	Deposits (B2)			☐ Dry-Season \				☐ Stunted or	Stressed Plants (D1)
☐ Drift Depo	osits (B3)			Other (Expla	in in Rema	rks)		Geomorphi	c Position (D2)
Algal Mat	or Crust (B4)							✓ Shallow Aq	uitard (D3)
☐ Iron Depo	osits (B5)							Microtopog	raphic Relief (D4)
Surface S	ioil Cracks (B6)							FAC-neutra	l Test (D5)
Field Observa	ations:	_	_		•				
Surface Wate	r Present?	Yes 🔾	No 🕑	Depth (inche	es):				
Water Table F	Present?	Yes	No \bigcirc	Depth (inche	es): 8		Wetla	nd Hydrology Presen	t? Yes • No O
Saturation Pre	esent?	Yes •	Na O		•				
(includes capi		Yes 🕓	NO U	Depth (inche	es): 7				
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:									
Remarks:									
	plot								
small spring in	piot.								

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