WETLAND DETERMINATION DATA FORM - Alaska Region

Project	Site: Susitna-Watana Hydroelectric Project		Borough/City:	Matanusk	ca-Susitna Borough Sampling Date: 30-Jul-12			
Applica	nt/Owner: Alaska Energy Authority				Sampling Point: SW12_T49_05			
Investig	pator(s): SLI, KMK		Landform (hil	lside, terrac	ce, hummocks etc.): Flat			
Local re	elief (concave, convex, none): flat		Slope: 8.7		° Elevation: 734			
	ion : Interior Alaska Mountains	l at ·	- · 62.81509824		Long.: -148.41954331 Datum: WGS84			
_	p Unit Name:	Lut	02.01303024	<u> </u>				
			0 Vaa	● No ○	NWI classification: Upland			
Are Vo		significant naturally p wing sar	ly disturbed? problematic?	Are "N (If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.) s, transects, important features, etc.			
	() p ,		Is	the Sam	pled Area			
	O O		w	ithin a W	a Wetland? Yes ○ No ●			
Rema								
	TATION - Use scientific names of plants. Li	st all sp Absolute % Cover	e Dominant		Dominance Test worksheet: Number of Dominant Species			
	Alnus viridis ssp. crispa	60		FAC	That are OBL, FACW, or FAC:3(A)			
	D'acceptance		_ 🔻	FACU	Total Number of Dominant			
3.			-	TACO	Species Across All Strata:3 (B)			
4.		0	- <u> </u>		Percent of dominant Species That Are OBL, FACW, or FAC: 100,0% (A/B)			
5.			-					
	Total Cover				Prevalence Index worksheet: Total % Cover of: Multiply by:			
Sapl	ing/Shrub Stratum 50% of Total Cover:		- % of Total Cover	:13	0.00			
-								
	Alnus viridis ssp. crispa	25	_	FAC				
	Picea glauca		-	FACU	FAC Species 146 x 3 = 438 FACU Species 31 x 4 = 124			
	Rosa acicularis		-	FACU	UPL Species $0 \times 5 = 0$			
4. 5.	Ribes triste		-	FACU				
	Linnaea borealis Salix pulchra		-	FACW	Column Totals: <u>178</u> (A) <u>564</u> (B)			
	Spiraea stevenii	1	-	FACU	Prevalence Index = B/A = 3.169			
_ '	<u> </u>		-	TACO	Hydranhytic Vocatation Indicators			
9.		0	- <u>П</u>		Hydrophytic Vegetation Indicators: Dominance Test is > 50%			
10.		0	-		Prevalence Index is ≤3.0			
	Total Cover Stratum 50% of Total Cover:	38		r: 7.6	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)			
	Thalictrum sparsiflorum	10		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)			
2.	Aconitum delphinifolium			FAC	Indicators of hydric soil and wetland hydrology must			
3.	Calamagrostis canadensis		✓	FAC	be present, unless disturbed or problematic.			
4.	Cornus canadensis			FACU	District (and its or learnth to width)			
5.	Rubus arcticus ssp. acaulis			FAC	Plot size (radius, or length x width)			
6.	Lycopodium clavatum	1		FACU	(Where applicable)			
7.	Dryopteris expansa	1		FACU	% Bare Ground			
8.		0	. 📙		Total Cover of Bryophytes			
10.		0	. \square		Hydrophytic			
	Total Cover		-	. 45	Vegetation Present? Yes ● No ○			
	50% of Total Cover:	37.5 20%	% OF TOTAL COVER	:15	11050110: 100 0 110 0			
Rema	trace poa SP, salpul is unidentified Salix sp.							

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SOIL Sampling Point: SW12_T49_05

0-1 1-2		ist)	%	Color (moist)	%	Гуре 1 Loc 2	Texture	Remarks
1-2							Fibric Organics	
							Hemic Organics	
2-5							Sapric Organics	
5-18	7.5YR	4/4	70				Fine Sandy Loam	30% gravel
	7.5110	.,, .						30 /0 graver
Type: C=Con	centration. D=		RM=Reduce	d Matrix ² Location	on: PL=Pore Li	ning. RC=Root Ch	 nannel. M=Matrix	
ydric Soil In				Indicators for P				
Histosol or				Alaska Color (4	yuric sons.	Alaska Gleyed Without H	lue 5Y or Redder
Histic Epipe	. ,			Alaska Alpine		_	Underlying Layer	ide 31 of Redder
Hydrogen S	` ,				With 2.5Y Hue		Other (Explain in Remar	ks)
¬ ′ ~	Surface (A12))						
Alaska Gley	/ed (A13)					regetation, one proposition must be p	rimary indicator of wetland	hydrology,
Alaska Redo	ox (A14)					·	resent	
] Alaska Gley	ed Pores (A1	5)		⁴ Give details of	color change in	Remarks		
strictive Layer	r (if present):							
Type:							Hydric Soil Present	t? Yes O No 💿
Depth (inche	es):							
/DROLO								
etland Hydro	ology Indica						_Secondary Ind	icators (two or more are required)
etland Hydro	ology Indica		·)				Water Sta	ined Leaves (B9)
etland Hydrorimary Indicate Surface Wa	ology Indica ors (any one i ater (A1))			al Imagery (B7)	Water Sta	ined Leaves (B9) Patterns (B10)
etland Hydro rimary Indicato Surface Wa High Water	ology Indica fors (any one i ater (A1) r Table (A2)		.)	Sparsely Ve	getated Conca	al Imagery (B7) ve Surface (B8)	Water Sta Drainage Oxidized F	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3
etland Hydrorimary Indicate Surface Wa High Water Saturation	ology Indica cors (any one i ater (A1) r Table (A2) (A3))	Sparsely Ve	getated Concav ts (B15)	ve Surface (B8)	Water Sta Drainage Oxidized F Presence	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3 of Reduced Iron (C4)
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