WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	t/Site: Susitna-Watana Hydroelectric Project		Borough/City:	Denali Bo	orough Sampling Date: 08-Aug-13
Applic:	ant/Owner: Alaska Energy Authority				Sampling Point: SW13_T170_08
	gator(s): WAD, RWM		Landform (hil	lside, terrac	e, hummocks etc.): Toeslope
	relief (concave, convex, none): hummocky		Slope:		Elevation: 816
	gion : Interior Alaska Mountains	l at ·	- · <u></u> 63.42602860		Long.: -148.64391935 Datum: NAD83
		Lat	03.42002000	9	
	ap Unit Name:		- 1/	No ○	NWI classification: PSS1B
Are \	/egetation ☐ , Soil ☐ , or Hydrology ☐ MARY OF FINDINGS - Attach site map sho	significant naturally p wing sar	tly 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.
	Hydrophytic Vegetation Present? Yes No		la	the Com	anlad Araa
	Hydric Soil Present? Yes ● No	\supset			pled Area /etland? Yes ● No ○
	Wetland Hydrology Present? Yes No)	W	ithin a W	etiand? Tes © NO C
Rem.	ETATION - Use scientific names of plants. L	ist all sp	ecies in the	plot.	Dominance Test worksheet:
l _	. .	Absolute		Indicator	Number of Dominant Species
1.	e Stratum	% Cove		Status	That are OBL, FACW, or FAC: 4 (A)
2.			-		Total Number of Dominant
3.					Species Across All Strata: 4 (B)
4.		0	-		Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
5.		- 0	- =		That Ale OBE, I AOW, OF I AC
J.	Total Cove		-		Prevalence Index worksheet:
621	oling/Shrub Stratum 50% of Total Cover:		– % of Total Cover	: 0	Total % Cover of: Multiply by:
Sap	Sing/Shrub Stratum 50% of Total Cover.		_		OBL Species 0 x 1 = 0
1.	Betula nana	45	_ 💆	FAC	FACW Species 11 x 2 = 22
	Vaccinium uliginosum	_		FAC	FACUS paging 80 x 3 = 240
3.	Rhododendron tomentosum	5	-	FACW	FACU Species 0 x 4 = 0
4.	Empetrum nigrum			FAC	UPL Species <u>0</u> x 5 = <u>0</u>
5.		0	-		Column Totals: <u>91</u> (A) <u>262</u> (B)
6.			-		Prevalence Index = B/A = 2.879
7.		0	- 📙		
8.			-		Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50%
9.			-		✓ Prevalence Index is ≤3.0
10.	Total Cove	- <u> </u>	-		
Hei	rb Stratum 50% of Total Cover:		% of Total Cove	r: <u>15</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
	Carex bigelowii			FAC	Problematic Hydrophytic Vegetation (Explain)
2.	Pedicularis labradorica			FACW	¹ Indicators of hydric soil and wetland hydrology must
3.	Rubus chamaemorus			FACW	be present, unless disturbed or problematic.
4.					Plot size (radius, or length x width)
		•	-		% Cover of Wetland Bryophytes
			- =		(Where applicable)
,			- =		% Bare Ground
			-		Total Cover of Bryophytes
8.		U			
8. 9.		$- \frac{0}{0}$	-		Hydronby#ia
8. 9.		0			Hydrophytic Vegetation Present? Yes No

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SOIL Sampling Point: SW13_T170_08

Depth (inches)	Color (mo	oist)	%	Color (moist)	% Ty	/pe ¹	Texture	Remarks
0-8			100				Fibric Organics	
8-12			100				Sapric Organics	•
12-16	2.5Y	3/1	100				Silt Loam	
Type: C=Con	centration D	 =Depletion		Matrix ² Location:	• PI =Pore I in	ing RC=Root Ch	annel M=Matriy	. ————
		Берісцоп		Indicators for Pro		_	armen i i i i i i i i i i i i i i i i i i i	
lydric Soil In Histosol or			·	Alaska Color Cha	4	uric sons:	Alaska Gleyed Without H	ue 5V or Redder
Histosof of	. ,			Alaska Alpine sv			Underlying Layer	de 51 of Redder
=	Sulfide (A4)			Alaska Redox W			Other (Explain in Remark	ks)
¬ ′ -	Surface (A12)						
Alaska Gley	•	,					mary indicator of wetland h	nydrology,
Alaska Red				and an appropriate	: landscape po	isition must be pr	resent	
Alaska Gley	yed Pores (A1	5)		⁴ Give details of col	lor change in F	Remarks		
estrictive Laye	r (if nrecent):							
Type: seaso							Hydric Soil Present	? Yes • No O
	onai most						nyunc son Present	r res 🙂 NO 🔾
Depth (inch	es): 16						-	
Depth (inch	es): 16							
Depth (inche								
Depth (incherent from the content of	GY							
Depth (incherent property) YDROLOG Vetland Hydro	GY ology Indica							cators (two or more are required)
Depth (incherence of the content of	GY ology Indica cors (any one		t)				Water Stai	ined Leaves (B9)
Depth (incherent property) YDROLOG Yetland Hydrorimary Indicat Surface Wa	GY rology Indica cors (any one ater (A1)		t)	☐ Inundation Vis			Water Stai	ned Leaves (B9) Patterns (B10)
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