WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	t/Site: Susitna-Watana Hydroelectric Projec	t	Во	orough/City:	Denali Bo	orough Sampling Date: 08-Aug-13
Applica	ant/Owner: Alaska Energy Authority				-	Sampling Point: SW13_T169_07
	gator(s): BAB		L	_andform (hill	side, terrac	ee, hummocks etc.): Hillside
	relief (concave, convex, none): rolling			Slope: 17.6		P. Company of the Com
	· <u> </u>					
	gion : Interior Alaska Mountains		Lat <u>C</u>	3.416438447	<u> </u>	
	ap Unit Name:					NWI classification: Upland
Are \	matic/hydrologic conditions on the site typical for /egetation , Soil , or Hydrology /egetation , Soil , or Hydrology , Soil , or Hydrology MARY OF FINDINGS - Attach site ma	☐ sig ☐ nat p showir	nificantly curally pro	disturbed?	(If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes No No eded, explain any answers in Remarks.) Iormal Circumstances" present? Yes No
	Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes	No ○ No ●		Is	the Sam	pled Area
		No 💿		wi	thin a W	etland? Yes ○ No •
	Wetland Hydrology Present? Yes U	NO 🗨				
	ETATION - Use scientific names of pla	A	bsolute	Dominant	Indicator	Dominance Test worksheet: Number of Dominant Species
	e Stratum	_9	6 Cover 20	Species?	Status FACU	That are OBL, FACW, or FAC:4 (A)
2.	Picea glauca				FACU	Total Number of Dominant
3.						Species Across All Strata: 5 (B)
3. 4.						Percent of dominant Species That Are OBL, FACW, or FAC: 80.0% (A/B)
5.			0			That Are OBE, I AOW, OF I AC
J.	Tota	al Cover:		Ш		Prevalence Index worksheet:
Sar	oling/Shrub Stratum 50% of Total Cov			of Total Cover:	4	Total % Cover of: Multiply by:
Зар	Sing/Shrub Stratum 30% of Total Cov	/ei. <u>10</u>	20/8 (or rotal cover.	4	OBL Species 0 x1 = 0
1.	Picea glauca		3		FACU	FACW Species 8 x 2 = 16
2.	Salix barclayi		10		FAC	FACUS paging 26 x 3 = 216
3.	Salix glauca		3		FAC	FACU Species 26 x 4 = 104
4.	Salix pulchra		5		FACW	UPL Species <u>0</u> x 5 = <u>0</u>
5.	Betula nana		3		FAC	Column Totals: <u>106</u> (A) <u>336</u> (B)
6.	Ledum decumbens			✓	FACW	Prevalence Index = B/A = 3.170
7.	Vaccinium uliginosum		15	✓	FAC	
8.	Empetrum nigrum		15		FAC FAC	Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50%
	Arctostaphylos rubra				FAC	
10.	Tota	al Cover:				☐ Prevalence Index is ≤3.0
Hei	<u>'b Stratum</u> 50% of Total Co		<u>58</u> 20%	of Total Cover	: 11.6	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1.	Equisetum arvense		8	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2.	Saussurea angustifolia		1		FAC	¹ Indicators of hydric soil and wetland hydrology must
3.	Bistorta plumosa		3		FACU	be present, unless disturbed or problematic.
4.	Carex bigelowii				FAC	Plot size (radius, or length x width)
	Calamagrostis canadensis				FAC	% Cover of Wetland Bryophytes
						(Where applicable)
						% Bare Ground
			<u> </u>			Total Cover of Bryophytes85
10.	Tota	al Cover:	20			Hydrophytic Vegetation
1			28	of Total Cover	5.6	Present? Yes No
	50% of Total Cov	/er: 1/4	. 20% (or rotal Covers	ח.ר	

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SOIL Sampling Point: SW13_T169_07

0-5		oist)	%	Color (m	noist)	%	Type ¹	Loc ²	Texture	Remarks
			100	00.01 (.,,,,		Fibric Organics	
5-7	10YR	4/2	100						Sandy Loam	few rounded to angular gravel
7-10	2.5Y	4/1	95	10YR	3/4	5		PL	Sandy Loam	few rounded to angular gravel
10-19	2.5Y	4/2	100	20	- 				Sandy Loam	few rounded to angular gravel
10 15	2.31	1/2								= Tew rounded to angular graver
						-				
									-	
										_
Type: C=Cond	centration. D	=Depletior	n. RM=Reduce	ed Matrix	² Location	: PL=Pore	e Lining. RC	C=Root Cha	nnel. M=Matrix	
lydric Soil In	dicators:			Indicat	ors for Pro	oblematio	Hydric So	oils: ³		
Histosol or	Histel (A1)				ka Color Ch		-		Alaska Gleyed Without H	lue 5Y or Redder
Histic Epipe	edon (A2)				ka Alpine sv	•	•		Underlying Layer	1.3
∐ Hydrogen S	` ,			Alasi	ka Redox W	/ith 2.5Y F	lue		Other (Explain in Remar	rks)
_	Surface (A12	2)		³ One ir	ndicator of	hydrophyt	ic vegetatio	n, one prin	nary indicator of wetland	hydrology,
 Alaska Gley Alaska Redo				and an	appropriate	e landscap	e position r	must be pre	esent	, 5,,
_	ox (A14) /ed Pores (A1	5)		4 Give o	letails of co	lor change	e in Remark	(S		
	`	,								
estrictive Layer	r (if present):								Undria Cail Breasant	t? Yes O No 💿
Type: Depth (inche	oc).								Hydric Soil Present	t? fes 🔾 No 🖲
emarks:										
YDROLOG	 3Y									
YDROLOG		ators:							_Secondary Ind	icators (two or more are required)
	ology Indica		nt)							icators (two or more are required) ined Leaves (B9)
etland Hydro	ology Indicators (any one		nt)		undation Vi	sible on A	erial Image	ry (B7)	Water Sta	
rimary Indicate Surface Wa	ology Indicators (any one		nt)		undation Vi arsely Vege				Water Sta	ined Leaves (B9) Patterns (B10)
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