WETLAND DETERMINATION DATA FORM - Alaska Region

Project	/Site: Susitna-Watana Hydroelectric Project		Вс	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 07-Jul-13
Applica	nt/Owner: Alaska Energy Authority					Sampling Point: SW13_T102_03
	gator(s): SLI. SCB		L	_andform (hills	side, terrac	e, hummocks etc.): Mound
-	elief (concave, convex, none): hummocky			Slope:	% / 4.1	
	ion: Interior Alaska Mountains	l s	.t · 6	· 32.709645987		Long.: -147.576245188 Datum: NAD83
_	p Unit Name:	LU		12.109043901	<u> </u>	
					No ○	NWI classification: Upland
Are V Are V	natic/hydrologic conditions on the site typical for this egetation , Soil , or Hydrology egetation , Soil , or Hydrology ### MARY OF FINDINGS - Attach site map shape in the state of	signific natura	antly lly pro	disturbed?	Are "N (If nee	(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○ ded, explain any answers in Remarks.) s, transects, important features, etc.
	· · · · · · · · · · · · · · · · · · ·	0		Is	the Sam	pled Area
	Hydric Soil Present? Yes ○ No				thin a W	-
Rema	Wetland Hydrology Present? Yes O No	•		, w.	tiiiii a vv	otidia.
VEGE	TATION -Use scientific names of plants.		•			Dominance Test worksheet:
Tro	e Stratum	Abso % Co		Dominant Species?	Indicator Status	Number of Dominant Species
1.	- Stratum		0		<u> </u>	That are OBL, FACW, or FAC: (A)
2.			0			Total Number of Dominant Species Across All Strata: 2 (B)
3.			0			Percent of dominant Species
4.			0			That Are OBL, FACW, or FAC:
5.			0			Prevalence Index worksheet:
	Total Cov	er:	0			Total % Cover of: Multiply by:
Sap	ling/Shrub Stratum 50% of Total Cover:	0	20% (of Total Cover:	0	OBL Species 0 x 1 = 0
1	Betula glandulosa		70	✓	FAC	FACW Species 20 x 2 = 40
	Vaccinium uliginosum		30	<u> </u>	FAC	FAC Species 115 x 3 = 345
3.	Rhododendron tomentosum		20		FACW	FACU Species 0.1 x 4 = 0.400
4.	Empetrum nigrum		10		FAC	UPL Species <u>0</u> x 5 = <u>0</u>
5.	Vaccinium vitis-idaea		5		FAC	Column Totals: <u>135.1</u> (A) <u>385.4</u> (B)
6.	Picea glauca		0.1		FACU	
7.			0			Prevalence Index = B/A =
8.			0			Hydrophytic Vegetation Indicators:
			0			✓ Dominance Test is > 50%
10.			0			✓ Prevalence Index is ≤3.0
Her	Total Cov b Stratum 50% of Total Cover:		35 20%	of Total Cover	27.02	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1.			0			Problematic Hydrophytic Vegetation ¹ (Explain)
2.			0			¹ Indicators of hydric soil and wetland hydrology must
3.			0			be present, unless disturbed or problematic.
			0			Plot size (radius, or length x width)
			0			% Cover of Wetland Bryophytes
			0			(Where applicable)
			0			% Bare Ground5
			0			Total Cover of Bryophytes
			0			Hydronhytic
10.	Total Cov		0	_		Hydrophytic Vegetation
	50% of Total Cover:			of Total Cover:	0	Present? Yes No
Rem	arks: trace of unidentified sedges and grasses moderate lichen cover in openings including	game tr	ails. C	Cladina spp, m	nasonhalea.	cetraria spp
	·			· -FF/	/	••

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SOIL Sampling Point: SW13_T102_03

(!l)					Red		1	2	. <u>.</u> .	
(inches) 0-2	Color (m 10YR	2/2	<u>%</u> 100	Color (m	oist)	<u>%</u>	Type ¹	Loc ²	Texture Hemic Organics	Remarks
	101K								Sapric Organics	
2-4									-	w charcoal
4-8	7.5YR	3/4							Sandy Loam	-
8-12	2.5Y	5/3	60	2.5Y	4/4	40	C	M	Sandy Clay Loam	common subrounded medium gravels
12-18	5Y	4/2							Sandy Loam	common subrounded medium gravels to
Type: C=Con	centration. D	=Depletior	າ. RM=Reduc				_		annel. M=Matrix	
Hydric Soil Ir	ndicators:				ors for Pro		4	oils:	٦	
_	Histel (A1)				ka Color Ch		-		Alaska Gleyed Without I Underlying Layer	Hue 5Y or Redder
Histic Epipe	` '				ka Alpine sv	•	•		Other (Explain in Remai	rke)
_ · ·	Sulfide (A4)			Alas⊦	ka Redox W	ith 2.5Y F	lue		J Other (Explain in Remai	KS)
_	Surface (A12	2)		³ One ir	ndicator of I	nvdrophvt	ic vegetatio	n, one prin	mary indicator of wetland	hydrology,
☐ Alaska Gley				and an	appropriate	e landscáp	e position r	must be pre	esent	, 3,,
Alaska Red	yed Pores (A1	5)		4 Give d	letails of co	lor change	e in Remark	s		
	` `	•								
estrictive Laye	er (if present)	:								
Type:									Hydric Soil Presen	t? Yes O No 💿
Depth (inchemarks: b hydric soil in										
emarks:										
emarks: b hydric soil in	dicators									
emarks: b hydric soil in YDROLOG	GY Indicators									licators (two or more are required)
emarks: b hydric soil in YDROLOG Vetland Hydr	GY rology Indic		nt)		and debit and Miles	-il-1 A		(07)	Water Sta	nined Leaves (B9)
YDROLO Vetland Hydr Primary Indicat Surface W	GY rology Indictors (any one later (A1)		nt)		undation Vis				Water Sta	nined Leaves (B9) Patterns (B10)
YDROLO Vetland Hydr Primary Indicat Surface W High Wate	GY rology Indictors (any one fater (A1) er Table (A2)		nt)	☐ Sp	arsely Vege	tated Con			Water Sta	nined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3)
YDROLO Vetland Hydr Surface W High Wate	GY rology Indictors (any one (ater (A1)) er Table (A2)		nt)	☐ Sp ☐ Ma	arsely Vege Irl Deposits	etated Con (B15)	cave Surfac		Water Sta Drainage Oxidized Presence	nined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3) of Reduced Iron (C4)
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