WETLAND DETERMINATION DATA FORM - Alaska Region

Project	/Site: Susitna-Watana Hydro	electric Project	Bo	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 03-Aug-13
Applica	int/Owner: Alaska Energy Au	thority				Sampling Point: SW13_T179_06
nvestic	gator(s): WAD, RWM	· · · ·		_andform (hill	lside, terrac	e, hummocks etc.): Toeslope
•	elief (concave, convex, none):	concave		Slope: 7.0		,
	·					12.12
_	ion : Interior Alaska Mountains	<u> </u>	Lat.: 6	3.146986842	2	Long.:148.32595408
	p Unit Name:					NWI classification: Upland
Are V Are V	egetation , Soil	, or Hydrology , or Hydrology tach site map sho	significantly naturally pro wing sam	disturbed?	(If nee	(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○ orded, explain any answers in Remarks.) s, transects, important features, etc.
	Hydrophytic Vegetation Presen	t? Yes 💿 No 🤇)		41	A. J. A
	Hydric Soil Present?	Yes O No 🤄				pled Area
	Wetland Hydrology Present?	Yes O No 🤄		W	ithin a W	etland? Yes O No 💿
	arks:					
/EGE	TATION - Use scientific r	names of plants. L	ist all spe	cies in the	plot.	Daminasa Tashuuskahash
_			Absolute	Dominant	Indicator	Dominance Test worksheet: Number of Dominant Species
1.	e Stratum		% Cover	Species?	Status	That are OBL, FACW, or FAC:3 (A)
						Total Number of Dominant
2.						Species Across All Strata:5(B)
3.						Percent of dominant Species
4.						That Are OBL, FACW, or FAC: 60.0% (A/B)
5.						Prevalence Index worksheet:
		Total Cover				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.	Empetrum nigrum		40	✓	FAC	FACW Species <u>13</u> x 2 = <u>26</u>
2.	Cassiope tetragona		35	✓	FACU	FAC Species <u>65</u> x 3 = <u>195</u>
3.	Salix polaris		5		FACW	FACU Species 43 x 4 = 172
4.	Luetkea pectinata		4		UPL	UPL Species <u>5</u> x 5 = <u>25</u>
5.	Vaccinium vitis-idaea		3		FAC	Column Totals: <u>126</u> (A) <u>418</u> (E
6.						
7.			0			Prevalence Index = B/A = 3.317
8.			0			Hydrophytic Vegetation Indicators:
9.			0			✓ Dominance Test is > 50%
			0			Prevalence Index is ≤3.0
		Total Cover 50% of Total Cover:		of Total Cove	r: <u>17.4</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1.	Carex microchaeta		15	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2.	Artemisia norvegica		5	✓	FACU	¹ Indicators of hydric soil and wetland hydrology must
3.	Carex bigelowii		5	✓	FAC	be present, unless disturbed or problematic.
4.	Petasites frigidus		4		FACW	
5.	Cibb aldia ana accebana		-		FACU	Plot size (radius, or length x width) 10m
6.	Factors altains		2		FAC	% Cover of Wetland Bryophytes (Where applicable)
7.	Petasites frigidus		2		FACW	% Bare Ground
8.	Arctagrostis latifolia		2		FACW	Total Cover of Bryophytes
9.	Antennaria monocephala		1		UPL	
10.	Gentianella propinqua		0.1		FACU	Hydrophytic
		Total Cover	39.1			Vegetation
	!	50% of Total Cover:1		of Total Cover	7.82	Present? Yes No
Rem	arks: agrvin 1, callep 1, collec	50% of Total Cover:1		of Total Cover	7.82	

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SOIL Sampling Point: SW13_T179_06

Depth (inches)	M	latrix	ded to docum	ent the indicator or	confirm the ab		cators)		
	Color (moi	st)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-2			100					Fibric Organics	
2-4	10YR	4/3	90	2.5YR 3/6	10	С	PL	Silt Loam	
4-6			100				-	Sapric Organics	
6-17			100					Sand	
-							-		
							-	-	
Type: C=Con	centration. D=	Depletion.	RM=Reduce	d Matrix ² Locat				annel. M=Matrix	
Hydric Soil Ir	ndicators:			Indicators for		4	oils:	7	
Histosol or	Histel (A1)			Alaska Color				Alaska Gleyed Without H Underlying Layer	ue 5Y or Redder
Histic Epipe	` '			Alaska Alpine	-				
	Sulfide (A4)			Alaska Redox	With 2.5Y H	Hue		Other (Explain in Remark	(5)
	Surface (A12)			³ One indicator	of hydrophyl	ic vegetatio	on, one prir	mary indicator of wetland h	vdrologv.
Alaska Gley				and an appropr					72.2.2317
Alaska Red	lox (A14) yed Pores (A15	`		4 Give details of	color chang	e in Remark	(S		
)							
Restrictive Laye	er (if present):							Under Call Burner	? Yes ○ No •
Type: Depth (inch	iec).							Hydric Soil Present	? Yes ○ No •
Remarks:									
HYDROLO	GY								
HYDROLO Wetland Hydr		ors:						Secondary Indi	cators (two or more are required)
Wetland Hydr									cators (two or more are required) ned Leaves (B9)
Wetland Hydr	rology Indicat tors (any one is			☐ Inundation	Visible on A	erial Image	ry (B7)	Water Stai	
Primary Indicat Surface W	rology Indicat tors (any one is				Visible on A	_		Water Stai	ned Leaves (B9)
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