WETLAND DETERMINATION DATA FORM - Alaska Region

Project	/Site: Susitna-Watana Hydroelectric Project	Во	rough/City:	Matanusk	a-Susitna Borough Sampling Date: 31-Jul-13
Applica	nt/Owner: Alaska Energy Authority				Sampling Point: SW13_T154_06
	gator(s): BAB	L	andform (hill	side, terrac	e, hummocks etc.): Saddle
Local re	elief (concave, convex, none): hummocky	;	Slope: 3.5	% / 2.0	° Elevation: 1158
Subrea	ion : Interior Alaska Mountains	Lat: 6	3.239621361	 17	Long.: -148.383325199 Datum: WGS84
	p Unit Name:		0.20002100		NWI classification: PEM1B
		ma af vaar?	Voc	● No ○	
	natic/hydrologic conditions on the site typical for this till egetation \Box , Soil \Box , or Hydrology \Box s	•	disturbed?		(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○
		naturally pro			eded, explain any answers in Remarks.)
	#ARY OF FINDINGS - Attach site map show	• •		·	,
			pility politic	locations	s, transects, important leatures, etc.
	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		Is	the Sam	pled Area
	· · · · · · · · · · · · · · · · · · ·		wi	thin a W	etland? Yes No
Rem	arks: Broad wetland in a gently sloping saddle. Very imperceptively through plot extra photo number 1587	little gently	sloping relief	f above. Sn	mall active channel <16 inches wide flows almost
VEGE	TATION - Use scientific names of plants. Li	st all spec	cies in the	plot.	
	•	Absolute	Daminant	Tudiostou	Dominance Test worksheet:
Tree	e Stratum	Absolute % Cover	Dominant Species?	Status	Number of Dominant Species
1.		0			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:(A/B)
5.		0			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 <u>36</u> x 1 = <u>36</u>
1.	Salix pulchra	15	✓	FACW	FACW Species <u>15</u> x 2 = <u>30</u>
2.	Vaccinium uliginosum	3		FAC	FAC Species <u>5</u> x 3 = <u>15</u>
3.	Spiraea stevenii	2		FACU	FACU Species 2 x 4 = 8
4.		0			UPL Species x 5 =0
5.		0			Column Totals: <u>58</u> (A) <u>89</u> (B)
6.					Prevalence Index = B/A =1.534_
7.					
8.					Hydrophytic Vegetation Indicators:
					✓ Dominance Test is > 50%
10.	Total Cover:	0			✓ Prevalence Index is ≤3.0
Her	b Stratum 50% of Total Cover:			:4	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1.	Carex aquatilis	35	✓	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
2.	Comarum palustre	_1_		OBL	¹ Indicators of hydric soil and wetland hydrology must
٠.	Equisetum arvense	-		FAC	be present, unless disturbed or problematic.
	Sedum rosea			FAC	Plot size (radius, or length x width)
		_			% Cover of Wetland Bryophytes
		•			(Where applicable)
					% Bare Ground
					Total Cover of Bryophytes
10.	Total Cover:	38			Hydrophytic Vegetation
			of Total Cover:	7.6	Present? Yes • No O
Dom					1
Kelli	arks: sedros, salpul, equarv,vaculi, spirea on scattero	tu mounus			

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW13_T154_06

Color (molet) Section	Profile Description: (Description: Depth	Matrix		Re	edox Featu	res		_	
Memic Organics Memic Organics Manager and and cobbtes	(inches) Color	(moist)		Color (moist)	_%_	Type ¹	Loc ²		Remarks
Type: C=Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining, RC=Root Channel. M=Matrix Hydric Soil Indicators:	0-6							Fibric Organics	-
Hydric Soil Indicators: Histosol or Histel (A1) Alaska Color Change (TA4) Alaska Gleyed Without Hue 5Y or Redder Underlying Layer Other (Explain in Remarks) Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer Other (Explain in Remarks) Alaska Gleyed (A13) Alaska Gleyed Pores (A15) 4 Give details of color change in Remarks 4 G	6-12							Hemic Organics	w/ang gravel and cobbles
Hydric Soil Indicators: Histosol or Histel (A1) Alaska Color Change (TA4) Alaska Gleyed Without Hue 5Y or Redder Underlying Layer Other (Explain in Remarks) Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer Other (Explain in Remarks) Alaska Gleyed (A13) Alaska Gleyed Pores (A15) 4 Give details of color change in Remarks 4 G									
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Histosol or Histel (A1) ✓ Histic Epipedon (A2) ✓ Histic Epipedon (A2) ✓ Histic Epipedon (A2) ☐ Alaska Alpine swales (TA5) ☐ Alaska Gleyed Without Hue SY or Redder Underlying Layer ☐ Hydrogen Suffice (A4) ☐ Thick Dark Surface (A12) ☐ Alaska Gleyed (A13) ☐ Alaska Gleyed Pores (A15) ☐ Alaska Gleyed Mythology, and an appropriate landscape position must be present ☐ Alaska Gleyed Without Hue SY or Redder Underlying Layer ☐ Alaska Gleyed Without Hue SY or Redder Underlying Layer ☐ Alaska Gleyed Without Hue SY or Redder Underlying Layer ☐ Alaska Gleyed Without Hue SY or Redder Underlying Layer ☐ Alaska Gleyed Without Hue SY or Redder Underlying Layer ☐ Alaska Gleyed Without Hue SY or Redder Underlying Layer ☐ Alaska Gleyed Without Hue SY or Redder Underlying Layer ☐ Alaska Gleyed Without Hue SY or Redder Underlying Layer ☐ Alaska Gleyed Without Hue SY or Redder Inderlying Layer ☐ Alaska Gleyed Without Hue SY or Redder Inderlying Layer ☐ Alaska Gleyed Without Hue SY or Redder Inderlying Layer ☐ Alaska Gleyed Without Hue SY or Redder Inderlying Layer ☐ Alaska Gleyed Without Hue SY or Redder Inderlying Layer ☐ Alaska Gleyed Without Hue SY or Redder Inderlying Layer ☐ Alaska Gleyed Without Hue SY or Redder Inderlying Layer ☐ Alaska Gleyed Without Hue SY or Redder Inderlying Layer ☐ Alaska Mitary Indicators (Invo Or more are reduited Present Secondary Indicators (Invo Or			n. RM=Reduc			_		nnel. M=Matrix	
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