WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	Borough/City: Matanuska-Susitna Borough Sampling Date: 26-Jun-12
Applicant/Owner: Alaska Energy Authority	Sampling Point: SW12_T20_13
Investigator(s): JGK	Landform (hillside, terrace, hummocks etc.): Shoreline
Local relief (concave, convex, none): flat	Slope: 0.0 % / 0.0 ° Elevation: 575
Subregion : Southcentral Alaska Lat	Constant Con
Soil Map Unit Name:	NWI classification: PEM1F
	ear? Yes No (If no, explain in Remarks.) ntly disturbed? Are "Normal Circumstances" present? Yes No problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing s	ampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes ● Yes ● Yes ●	 Is the Sampled Area within a Wetland?	Yes 🖲 No 🔾
Remarks:			

VEGETATION - Use scientific names of plants. List all species in the plot.

			۸hc	olute	Dominant	Indicator	Dominance Test worksheet:
Tre	e Stratum			over	Species?	Status	Number of Dominant Species
1.				0			That are OBL, FACW, or FAC: (A)
2.	P			0			Total Number of Dominant Species Across All Strata: 1 (B)
3.				0			
4.				0			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
5.				0			
		Total Cover		0			Prevalence Index worksheet: Total % Cover of: Multiply by:
Sap	ling/Shrub Stratum	50% of Total Cover:	0	20% (of Total Cover:	0	OBL Species $65 \times 1 = 65$
1				0			FACW Species 7 $x 2 = 14$
				0			FAC Species $2 \times 3 = 6$
2. 3.				0			FACU Species $0 \times 4 = 0$
4.				0			UPL Species $0 \times 5 = 0$
				0			
				0			Column Totals: <u>74</u> (A) <u>85</u> (B)
				0			Prevalence Index = B/A = <u>1.149</u>
				0			Hydrophytic Vegetation Indicators:
				0			✓ Dominance Test is > 50%
				0			✓ Prevalence Index is ≤ 3.0
		Total Cover		0			
Her	<u>b Stratum</u>	50% of Total Cover:		<u> </u>	of Total Cover:	0	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1.	Carex aquatilis			40	\checkmark	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
2.	E su de stans flui de tils			10		OBL	¹ Indicators of hydric soil and wetland hydrology must
3.	Comarum palustre			10		OBL	be present, unless disturbed or problematic.
4.	-			5		FACW	Dist size (redius, or length y width)
5.	Polemonium acutiflorum			2		FAC	Plot size (radius, or length x width) <u>10m</u>
6.	Carex marina ssp. marina			5		OBL	% Cover of Wetland Bryophytes (Where applicable)
7.				0			% Bare Ground
8.	Salix pulchra			2		FACW	Total Cover of Bryophytes
9.				0			
				0			Hydrophytic
		Total Cover		74			Vegetation
		50% of Total Cover:	37	20% (of Total Cover:	14.8	Present? Yes \bullet No \bigcirc
Rem		ollected tr viola epipsilur	n galiı	um trif	idum		

10% open water. Salpul recorded with herbs, as shrub stratum has <5% total cover.

Profile Description: (Describe to Depth	Matrix			dox Features		_	
(inches) Color (m	oist)	%	Color (moist)	<u>%</u> Type ¹	Loc 2	Texture	Remarks
						- <u>-</u>	
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• • • • • •							
¹ Type: C=Concentration. D	=Depletion. F	M=Reduce				annel. M=Matrix	
Hydric Soil Indicators:			Indicators for Pr	roblematic Hydric S	ioils: ³		
Histosol or Histel (A1)			Alaska Color Ch	hange (TA4)		Alaska Gleyed Without H	ue 5Y or Redder
Histic Epipedon (A2)			Alaska Alpine s			Underlying Layer	
Hydrogen Sulfide (A4)			Alaska Redox V	With 2.5Y Hue	\checkmark	Other (Explain in Remarl	(S)
Thick Dark Surface (A12)		³ One indicator of	f hydrophytic vegetat	one prir	mary indicator of wetland h	n dralaav
Alaska Gleyed (A13)				te landscape position			Ιγάι σιοθγ,
Alaska Redox (A14)			4 Give details of c	olor change in Remai	·kc		
Alaska Gleyed Pores (A1	5)				K3		
Restrictive Layer (if present)							~ ~
							:? Yes 🖲 No 🔾
Туре:						Hydric Soil Present	? Yes \odot No \bigcirc
Type: Depth (inches):						Hydric Soil Present	? Yes No
						Hydric Soil Present	? Yes ♥ NO ∪
Depth (inches):	iter. assume	hydric soils	; due to hydrophytic	: vegetation and wetla	and hydrolog		?? Yes NO ∪
Depth (inches): Remarks:	iter. assume	hydric soils	due to hydrophytic	: vegetation and wetla	and hydrolog		.? Yes NO ∪
Depth (inches): Remarks:	iter. assume	hydric soils	; due to hydrophytic	: vegetation and wetla	and hydrolog		.e Yes NO ∪
Depth (inches): Remarks:	iter. assume	hydric soils	s due to hydrophytic	: vegetation and wetl	and hydrolo		? Yes NO ∪
Depth (inches): Remarks:	iter. assume	hydric soils	due to hydrophytic	: vegetation and weth	and hydrolo		
Depth (inches): Remarks: no soil pit due to standing wa HYDROLOGY Wetland Hydrology Indic	ators:	hydric soils	due to hydrophytic	: vegetation and weth	and hydrolo	gy Secondary Indi	cators (two or more are required)
Depth (inches): Remarks: no soil pit due to standing wa HYDROLOGY Wetland Hydrology Indic Primary Indicators (any one	ators:	hydric soils				9ySecondary Indi	<u>cators (two or more are required)</u> ined Leaves (B9)
Depth (inches): Remarks: no soil pit due to standing wa HYDROLOGY Wetland Hydrology Indic Primary Indicators (any one Surface Water (A1)	ators:	hydric soils	Inundation V	/isible on Aerial Imag	ery (B7)	gySecondary Indi Water Stai Drainage F	cators (two or more are required) ined Leaves (B9) Patterns (B10)
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