WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	t/Site: Susitna-Watana Hydroelectric Project	В	orough/City:	Matanusk	xa-Susitna Borough Sampling Date: 22-Jun-12
Applica	ant/Owner: Alaska Energy Authority				Sampling Point: SW12_T18_03
	gator(s): SLI, EKJ		Landform (hill	side, terrac	ce, hummocks etc.): Lowland
Local i	relief (concave, convex, none): flat		Slope:		7 ° Elevation: 801
	gion : Southcentral Alaska	lat· (· 62.850668261		Long.: -149.203025688 Datum: NAD83
			02.00000201		
	ap Unit Name:			<u> </u>	NWI classification: PEM1E
Are \	MARY OF FINDINGS - Attach site map sho	significantly naturally pro owing sam	disturbed?	Are "N (If nee	lormal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.)
	Hydrophytic Vegetation Present? Yes No		le	tha Sam	ipled Area
	Hydric Soil Present? Yes ● No (
	Wetland Hydrology Present? Yes No)	WI	thin a W	etiand? Tes © No ©
	ETATION - Use scientific names of plants. I	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tre</u>	e Stratum	% Cover	_Species?_	Status	Number of Dominant Species That are OBL, FACW, or FAC: (A)
	-				Total Number of Dominant
2. 3.					Species Across All Strata: (B)
4.					Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
5.					That Are OBL, FACW, OF FAC. 100.076 (A/B)
J.	Total Cove				Prevalence Index worksheet:
C			of Total Cover:	0	Total % Cover of: Multiply by:
Sap	oling/Shrub Stratum 50% of Total Cover:			0	OBL Species 13 x 1 = 13
1.					FACW Species 15 x 2 = 30
2.	-				FAC Species 0 x 3 = 0
3.		0			FACU Species 0 x 4 = 0
4.					UPL Species <u>0</u> x 5 = <u>0</u>
5.	,				Column Totals: <u>28</u> (A) <u>43</u> (B)
6.					Prevalence Index = B/A =1.536_
7.					
8.					Hydrophytic Vegetation Indicators:
9.					✓ Dominance Test is > 50%
10.	Total Cove				✓ Prevalence Index is ≤3.0
Her	b Stratum 50% of Total Cover:	0 20%	of Total Cover		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1.	Eriophorum russeolum		✓	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
	Carex adelostoma			OBL	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Carex aquatilis			OBL	be present, unless disturbed of problematic.
	Eriophorum angustifolium			OBL	Plot size (radius, or length x width)
					% Cover of Wetland Bryophytes
					(Where applicable)
					% Bare Ground 30
					Total Cover of Bryophytes
8.					
8. 9.					Hadaankatia
8. 9.					Hydrophytic Vegetation
8. 9.		r:0	of Total Cover:	5.6	Hydrophytic Vegetation Present? Yes No No

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SOIL Sampling Point: SW12_T18_03

	Matrix	ied to document	the indicator or co	dox Featu		ators)		
Depth (inches) Color (moist)	% Co	olor (moist)	%	Type ¹	Loc ²	Texture	Remarks
			(.,,,,			
			-					
1								-
¹ Type: C=Concentration.	D=Depletion. R						nnel. M=Matrix	
Hydric Soil Indicators:		In	dicators for Pr		4	oils:		
Histosol or Histel (A1)			Alaska Color C		-		Alaska Gleyed Without H Underlying Layer	ue 5Y or Redder
Histic Epipedon (A2)			Alaska Alpine s	`	,			
Hydrogen Sulfide (A4)		Alaska Redox \	With 2.5Y F	lue	✓	Other (Explain in Remark	(3)
Thick Dark Surface (A	12)	3	One indicator of	hydronhyt	ic vegetatio	n one nrim	nary indicator of wetland h	wdrology
Alaska Gleyed (A13)			nd an appropria					rydrology,
Alaska Redox (A14)		4	Give details of o	olor change	a in Domark	· C		
☐ Alaska Gleyed Pores (A15)		dive details of C	olor change	e iii Keiliai k			
Restrictive Layer (if preser	t):							
Type:							Hydric Soil Present	? Yes 💿 No 🔾
Depth (inches):								
HYDROLOGY								
HYDROLOGY Wetland Hydrology Ind	icators:						_Secondary Indi	cators (two or more are required)
								cators (two or more are required) ned Leaves (B9)
Wetland Hydrology Ind			Inundation V	/isible on A	erial Image	ry (B7)	Water Stai	
Wetland Hydrology Ind Primary Indicators (any or	ne is sufficient)		☐ Inundation V		_		Water Stai Drainage F	ned Leaves (B9)
Wetland Hydrology Ind Primary Indicators (any or Surface Water (A1)	ne is sufficient)			jetated Cor	_		Water Stai Drainage F Oxidized R	ned Leaves (B9) Patterns (B10)
Wetland Hydrology Ind Primary Indicators (any o ✓ Surface Water (A1) ✓ High Water Table (A2)	ne is sufficient)		Sparsely Veg	getated Cor s (B15)	ncave Surfac		Water Stai Drainage F Oxidized R	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4)
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Wetland Hydrology Ind Primary Indicators (any o ✓ Surface Water (A1) ✓ High Water Table (A2 ✓ Saturation (A3) Water Marks (B1)	ne is sufficient)		Sparsely Veg Marl Deposit Hydrogen Su	getated Cor s (B15) ulfide Odor Water Tabl	cave Surfac (C1) e (C2)		Water Stail Drainage F Oxidized R Presence c Salt Depos Stunted or	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hits (C5)
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