WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Wata	na Hydroelectric Project	B	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 22-Jun-12
Applicant/Owner: Alaska E	nergy Authority				Sampling Point: SW12_T18_03
nvestigator(s): SLI, EKJ		ı	Landform (hill	side, terrac	e, hummocks etc.): Lowland
Local relief (concave, convex	, none): flat		Slope: 0.0	% / 0.0	° Elevation: 815
Subregion: Southcentral Ala	nska	Lat: 6	62.850669908	 84	Long.: -149.203049967 Datum: WGS84
Soil Map Unit Name:	iona		32.030003300		NWI classification: PEM1E
· -			. Vaa	● No ○	
Are climatic/nydrologic conditi Are Vegetation, Soi	ons on the site typical for this till \square , or Hydrology \square s	-	disturbed?		(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○
Are Vegetation, Soi	, or Hydrology 🔲 r	naturally pro	oblematic?		ded, explain any answers in Remarks.)
-	OC Attack site man abou		المنامم ممالم		transacta immediate factions at
SUMMARY OF FINDING			ipling point	locations	s, transects, important features, etc.
Hydrophytic Vegetatio			le	the Sam	pled Area
Hydric Soil Present?	Yes ● No C			thin a W	-
Wetland Hydrology Pr	esent? Yes 💿 No 🗅)	WI	uiiii a vv	etialia: 165 5 No 5
Remarks:					
(505545101)					
VEGETATION - Use scie	entific names of plants. Li	st all spe	cies in the	plot.	
		Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum		% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)
1					Total Number of Dominant
		0			Species Across All Strata: 2 (B)
		0			Percent of dominant Species
					That Are OBL, FACW, or FAC: 100.0% (A/B)
5					Prevalence Index worksheet:
	Total Cover:		-f T-+- C	_	Total % Cover of: Multiply by:
Sapling/Shrub Stratum	50% of Total Cover:	0 20%	of Total Cover:	0	OBL Species <u>13</u> x 1 = <u>13</u>
1		0			FACW Species 15 x 2 = 30
2		0			FAC Species 0 x 3 = 0
					FACU Species 0 x 4 = 0
_		_			UPL Species <u>0</u> x 5 = <u>0</u>
					Column Totals: <u>28</u> (A) <u>43</u> (B)
		_			Prevalence Index = B/A = 1.536
7					
0.					Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50%
9. 10.					✓ Prevalence Index is ≤3.0
10.	Total Cover:				Morphological Adaptations ¹ (Provide supporting data in
Herb Stratum	50% of Total Cover:		of Total Cover	: 0	Remarks or on a separate sheet)
Eriophorum russeolui	m	15	✓	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Carex adelostoma		7	✓	OBL	¹ Indicators of hydric soil and wetland hydrology must
3. Carex aquatilis		3		OBL	be present, unless disturbed or problematic.
4. Eriophorum angustifo	lium	3		OBL	Plot size (radius, or length x width)
5					% Cover of Wetland Bryophytes
6					(Where applicable)
					% Bare Ground
		_			Total Cover of Bryophytes
10	Total Cover:	0			Hydrophytic Vegetation
	I OTAL L'OVAP	28			veueration
	50% of Total Cover:		of Total Cover	5.6	Present? Yes • No •

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SOIL Sampling Point: SW12_T18_03

Depth N	Matrix			ent the indicator or confirm the absence of indicators) Redox Features				
(inches)	Color (moist)	%	Color (moist)	% .	Type ¹	Loc ²	Texture	Remarks
								_
								- -
								-
						-	_	
					ining DC	Dark Cha		
		ion. RM=Reduc	ed Matrix ² Location				nnei. M=Matrix	
ydric Soil Ind			Indicators for P	4	lydric So	oils:		
☐ Histosol or F	` '		Alaska Color C				Alaska Gleyed Without F Underlying Layer	lue 5Y or Redder
Histic Epiped			Alaska Alpine		_	•	Other (Explain in Remar	ke)
∐ Hydrogen Sι	` '		☐ Alaska Redox	With 2.5Y Hue	2	V	Otilei (Explaiii iii Keiliai	N3)
	Surface (A12)		³ One indicator o	f hydrophytic v	vegetatio	n, one prim	nary indicator of wetland I	hydrology,
Alaska Gleye			and an appropria					, 3
☐ Alaska Redo ☐ Alaska Gleve	x (A14) ed Pores (A15)		4 Give details of o	color change in	n Remark	S		
·								
estrictive Layer	(if present):							:? Yes • No ·
-							Hydric Soil Present	:? Yes • No O
	<u>-</u>	ughout site. as	ssume hydric soils d	ue to hydroph	ytic vegel	tation and	primary hydrology indicat	ors.
Depth (inchesemarks:	<u>-</u>	oughout site. a	ssume hydric soils d	ue to hydroph	ytic vegel	tation and	primary hydrology indicat	ors.
Depth (inchesternates: a soil pit due to	standing water thro	oughout site. a:	ssume hydric soils d	ue to hydroph	ytic vegel	tation and		
Depth (inches emarks: soil pit due to	standing water thro		ssume hydric soils d	ue to hydroph	ytic vegel	tation and	_Secondary Ind	icators (two or more are required)
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