WETLAND DETERMINATION DATA FORM - Alaska Region

Project	Site: Susitna-Watana Hydroelectric Project	B	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 18-Jun-12
Applica	nt/Owner: Alaska Energy Authority				Sampling Point: SW12_T08_04
nvestig	ator(s): JGK		Landform (hill	side, terrac	ze, hummocks etc.): Channel (active)
_ocal r	elief (concave, convex, none): convex		Slope:	%/ 3.6	6° Elevation: 400
Subrea	on Southcentral Alaska	Lat ·	62.769458192		Long.: -148.826135754 Datum: NAD83
-	o Unit Name:		02.100400102	.0	NWI classification: R3USC
	2	0.1. (1		• No ()	
	natic/hydrologic conditions on the site typical for egetation, Soil, or Hydrology	_	/ disturbed?		(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ◯
Are v	egetation 🗌 , Soil 🗹 , or Hydrology	naturally pr	oblematic?	(If nee	eded, explain any answers in Remarks.)
UMN	IARY OF FINDINGS - Attach site map	showing sam	npling point	locations	s, transects, important features, etc.
	Hydrophytic Vegetation Present? Yes 🔍	No O			
		No O	ls	the Sam	ipled Area
	Wetland Hydrology Present? Yes	No	wi	thin a W	/etland? Yes $ullet$ No $igloodow$
	rks: Characterizing channel. Standing water thro		ume hydric so	il due to we	etland hydrology and hydrophytic vegetation.
I	5	5 ,	,		, , , , , , ,
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				-1-4	
EGE	TATION - Use scientific names of plan	its. List all spe	cies in the	plot.	Dominance Test worksheet:
Tue	Churchuran	Absolute % Cover	Dominant Species?	Indicator Status	Number of Dominant Species
1.	Stratum	0		Status	That are OBL, FACW, or FAC: <u>3</u> (A)
2.					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.		0			
0.	Total	Cover: 0			Prevalence Index worksheet:
San	ing/Shrub Stratum 50% of Total Cove		of Total Cover:	0	Total % Cover of: Multiply by:
Jap					OBL Species $2 \times 1 = 2$
1.					FACW Species 5 $x = 10$ FAC Species 3 $x = 9$
2.					
3.					
4. 5					
5.					Column Totals: <u>10</u> (A) <u>21</u> (B)
6. 7					Prevalence Index = B/A =2.100
7. 8.		0			
					Hydrophytic Vegetation Indicators: Dominance Test is > 50%
					$\mathbf{\nabla}$ Prevalence Index is ≤ 3.0
10.	Total	0			
Her	Stratum 50% of Total Cove		6 of Total Cover	: 0	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
	Equisetum variegatum	5		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
	Corov oguatilia			OBL	¹ Indicators of hydric soil and wetland hydrology must
		3		FAC	be present, unless disturbed or problematic.
					Plot size (radius, or length x width) <u>4x8m</u>
					% Cover of Wetland Bryophytes (Where applicable)
Ο.					% Bare Ground
					Total Cover of Bryophytes 0
7.					
7. 8.					
7. 8. 9.		0			Hydrophytic
7. 8. 9.		0			Hydrophytic Vegetation Present? Yes • No •

Depth - (inches)	Color (moist)	%	Color (moist)	% Тур	e ¹ <u>Loc</u> ²	Texture	Remarks
	·						_
							u F
							-
							=
······· ·			······				
¹ Type: C=Conc	entration. D=Depleti	on. RM=Redu	ced Matrix ² Locatio	n: PL=Pore Linin	g. RC=Root Cha	annel. M=Matrix	
Hydric Soil Inc	licators:		Indicators for P	roblematic Hydi	ic Soils: ³		
Histosol or H			Alaska Color C	4		Alaska Gleyed Without H	lue 5Y or Redder
Histic Epiped	. ,		Alaska Alpine			Underlying Layer	
Hydrogen Si			Alaska Redox	With 2.5Y Hue	V	Other (Explain in Remai	ks)
Thick Dark 9	Surface (A12)						
Alaska Gleye	ed (A13)		³ One indicator of and an appropria			mary indicator of wetland resent	hydrology,
Alaska Redo	ox (A14)						
Alaska Gleye	ed Pores (A15)		⁴ Give details of c	olor change in Re	Indiks		
Restrictive Layer	(if present):						
Type:						Hydric Soil Presen	t? Yes 🖲 No 🔾
Depth (inche Remarks: Surface waterne	<u>.</u>	dric soils due	to wetland hydrology	and hydrophytic	vegetation.		
Remarks:	<u>.</u>	dric soils due	to wetland hydrology	and hydrophytic	vegetation.		
Remarks: Surface watern	o soil pit. Assume hy	dric soils due	to wetland hydrology	and hydrophytic	vegetation.		
Remarks: Surface waternu	o soil pit. Assume hy	dric soils due	to wetland hydrology	and hydrophytic	vegetation.	_Secondary Inc	icators (two or more are required)
Remarks: Surface waternu HYDROLOG Wetland Hydro Primary Indicato	o soil pit. Assume hy Y logy Indicators: ors (any one is suffici		to wetland hydrology	and hydrophytic	vegetation.	Secondary Inc	icators (two or more are required) ined Leaves (B9)
Remarks: Surface waterno HYDROLOG Wetland Hydro Primary Indicato	o soil pit. Assume hy SY Jogy Indicators: Irs (any one is suffici ter (A1)		Inundation \	/isible on Aerial Ir	nagery (B7)	Secondary Inc	icators (two or more are required) ined Leaves (B9) Patterns (B10)
Remarks: Surface waterno HYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water	o soil pit. Assume hy SY logy Indicators: rs (any one is suffici ter (A1) Table (A2)		Inundation V Sparsely Veg	/isible on Aerial Ir jetated Concave S	nagery (B7)	Secondary Inc Water Sta	icators (two or more are required) ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3)
Remarks: Surface waterno HYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water	o soil pit. Assume hy SY logy Indicators: rs (any one is suffici- ter (A1) Table (A2) (A3)		Inundation N Sparsely Veg Marl Deposit	/isible on Aerial Ir jetated Concave S s (B15)	nagery (B7)	Secondary Inc Water Sta Drainage Oxidized Presence	icators (two or more are required) ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3) of Reduced Iron (C4)
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