## WETLAND DETERMINATION DATA FORM - Alaska Region

Applica	Site: Susitna-Watana Hydroelectric Project	E	Borough/City:	Matanusk	a-Susitna Borough Sampling Date: 02-Aug-13
- P P	nt/Owner: Alaska Energy Authority				Sampling Point:SW13_T177_02
nvestig	jator(s): BAB		Landform (hills	side, terrac	e, hummocks etc.): Channel (active)
_ocal r	elief (concave, convex, none): convex		Slope:	%/ 3.0	) ° Elevation: 106
Subreg	ion : Interior Alaska Mountains	Lat.:	63.076861985	1	Long.: -148.068787325 Datum: NAD83
-	p Unit Name:	-			NWI classification: R3UBH
	natic/hydrologic conditions on the site typical for this	imo of voor	-2 Ves (	• No ()	(If no, explain in Remarks.)
		-	y disturbed?		lormal Circumstances" present? Yes $\bigcirc$ No $\bigcirc$
	egetation, Soil, or Hydrology	-	•		eded, explain any answers in Remarks.)
SUMN	IARY OF FINDINGS - Attach site map sho	wing san	npling point	locations	s, transects, important features, etc.
	Hydrophytic Vegetation Present? Yes 🔍 No	)			
	Hydric Soil Present? Yes 🔍 No 🤇	)			pled Area
	Wetland Hydrology Present? Yes 🔍 No 🤇	)	wit	thin a W	'etland? Yes $\odot$ No $\bigcirc$
	rks: shallow [<10 in] stream with many stones and b		ove current wat	er level. a	active channel 4-20 feet wide
		• • •	· · · · ·		
EGE	<b>TATION</b> - Use scientific names of plants. L	<u>ist all spe</u>	ecies in the p	olot.	Deminent Test medalest
_	<b>.</b> .	Absolute		Indicator	Dominance Test worksheet: Number of Dominant Species
1.	Stratum	<u>% Cover</u> 0	Species?	Status	That are OBL, FACW, or FAC: (A)
2.					Total Number of Dominant
2. 3.		•			Species Across All Strata: 0 (B)
3. 4.					Percent of dominant Species That Are OBL, FACW, or FAC: 0,0% (A/B)
4. 5.					
0.	Total Cove	- <u> </u>			Prevalence Index worksheet:
San	ling/Shrub Stratum 50% of Total Cover:		of Total Cover:	0	Total % Cover of: Multiply by:
Jap		20/3			OBL Species $1 \times 1 = 1$
1.					FACW Species $0 \times 2 = 0$
2.					FAC Species $1 \times 3 = 3$
3.					FACU Species $0 \times 4 = 0$ UPL Species $0 \times 5 = 0$
4.					UPL Species x 5 =
5.					Column Totals: 2 (A) 4 (B)
6.					
-					Prevalence Index = B/A =2000
7.		0			Prevalence Index = B/A = 2.000
8.		0			Prevalence Index = B/A = 2.000 Hydrophytic Vegetation Indicators:
8. 9.		0 0 0			Prevalence Index = B/A =     2.000       Hydrophytic Vegetation Indicators:
8. 9.		0 0 0 0			Prevalence Index = B/A =
8. 9. 10.	Total Cove	0 0 0 0 r: 0	6 of Total Cover:	0	Prevalence Index = B/A =
8. 9. 10. <b>Her</b>	Total Cove 50% of Total Cover:	0 0 0 r: 0 0 20%	6 of Total Cover:		Prevalence Index = B/A = 2.000         Hydrophytic Vegetation Indicators:         □ Dominance Test is > 50%         ✓ Prevalence Index is ≤ 3.0         □ Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8. 9. 10. <u>Her</u> 1.	Total Cove 50% of Total Cover:	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 20 \\ 1 \\ 1 \end{array} $	% of Total Cover:	FAC	Prevalence Index = B/A =       2.000         Hydrophytic Vegetation Indicators:
8. 9. 10. <u>Her</u> 1. 2.	Total Cove 50% of Total Cover: _ Rumex arcticus Carex aquatilis	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 209 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ $	% of Total Cover:		Prevalence Index = B/A = 2.000         Hydrophytic Vegetation Indicators:         □ Dominance Test is > 50%         ✓ Prevalence Index is ≤ 3.0         □ Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8. 9. 10. <u>Her</u> 1. 2. 3.	Total Cove 50% of Total Cover: _ Rumex arcticus Carex aquatilis	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	6 of Total Cover:	FAC	Prevalence Index = B/A =
8. 9. 10. <u>Her</u> 1. 2. 3. 4.	Total Cove 50% of Total Cover:	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	% of Total Cover:	FAC	Prevalence Index = B/A =
8. 9. 10. <u>Her</u> 1. 2. 3. 4. 5.	Total Cove <u>50% of Total Cover</u> Rumex arcticus Carex aquatilis	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	% of Total Cover:	FAC	Prevalence Index = B/A =
8. 9. 10. <u>Her</u> 1. 2. 3. 4. 5. 6.	Total Cove <u>50% of Total Cover</u> Rumex arcticus Carex aquatilis	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	6 of Total Cover:	FAC	Prevalence Index = B/A =
8. 9. 10. 1. 2. 3. 4. 5. 6. 7.	Total Cove 50% of Total Cover:	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	% of Total Cover:	FAC	Prevalence Index = B/A =
8. 9. 10. 1. 2. 3. 4. 5. 6. 7. 8.	Total Cove <u>50% of Total Cover</u> Rumex arcticus Carex aquatilis	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	% of Total Cover:	FAC	Prevalence Index = B/A =
8. 9. 10. 1. 2. 3. 4. 5. 6. 7. 8. 9.	Total Cove 50% of Total Cover:	0           0	% of Total Cover:	FAC	Prevalence Index = B/A =
8. 9. 10. 1. 2. 3. 4. 5. 6. 7. 8. 9.	Total Cove 50% of Total Cover:	0           0           0           0           0           0           0           0           0           1           0		FAC OBL	Prevalence Index = B/A =

SOIL
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Profile Descript Depth	ion: (Describe to the de Matri		ment the indicator or co <b>Re</b>	nfirm the abse dox Featur		ators)			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	R	emarks
				-					
<sup>1</sup> Type: C=Cor	ncentration. D=Depl	etion. RM=Reduc	ed Matrix <sup>2</sup> Locatio	n: PL=Pore	Lining. RC	=Root Cha	nnel. M=Matrix		
Hydric Soil I	ndicators:		Indicators for P	oblematic	Hydric So	oils <sup>3</sup>			
_	r Histel (A1)		Alaska Color C		4		Alaska Gleyed Without Hue	5Y or Redder	
	bedon (A2)		Alaska Alpine				Underlying Layer		
_	Sulfide (A4)		Alaska Redox			$\checkmark$	Other (Explain in Remarks)		
	k Surface (A12)								
Alaska Gle	. ,						nary indicator of wetland hyd	rology,	
Alaska Re			and an appropria	te landscape	e position i	nust be pre	esent		
	eyed Pores (A15)		<sup>4</sup> Give details of c	olor change	in Remark	S			
Restrictive Lay	· · · ·								
Type:	er (ir present).						Hydric Soil Present?	Yes 🖲	No 🔿
Depth (incl	hes):						Hyunc Son Present:		
HYDROLO	GY								
-	rology Indicators:						Secondary Indicat		ore are required)
- 	tors (any one is suf	ficient)						d Leaves (B9)	
Surface V	. ,		✓ Inundation \		-		Drainage Pat		
	er Table (A2)		Sparsely Veg		ave Surfa	ce (B8)			J Living Roots (C3)
Saturation	. ,		Marl Deposit	. ,	<b>C1</b> )		Salt Deposits	Reduced Iron (	.4)
	Deposits (B2)		Dry-Season					(CS) ressed Plants (	1)
			Other (Expla		• •		Geomorphic		01)
	or Crust (B4)				(5)		Shallow Aqui	. ,	
Iron Depo	. ,							phic Relief (D4	)
	oil Cracks (B6)						✓ FAC-neutral 1		,
Field Observa								( )	
Surface Wate		es 💿 No 🔿	Depth (inche	es): 10					
Water Table F	Present? Ye	es 🔿 No 🖲	Depth (inche	·s):		Wetla	nd Hydrology Present?	Yes 🖲	No 🔿
Saturation Pre (includes capi		s O No 🖲	Depth (inche						
Describe Recor	ded Data (stream g	auge, monitor we	ell, aerial photos, pre	vious inspec	tion) if ava	ailable:			
Remarks:									