## WETLAND DETERMINATION DATA FORM - Alaska Region

Project	/Site: Susitna-Watana Hydroelectric Project		Borough/City:	Matanusk	a-Susitna Borough Sampling Date: 22-Jun-12	2
Applica	nt/Owner: Alaska Energy Authority		-		Sampling Point: SW12_T25_0	03
	gator(s): JGK		Landform (h	illside. terrac	e, hummocks etc.): Gulch or Gully	
	elief (concave, convex, none): undulating		Slope:	%/ 8.6		
	ion : Southcentral Alaska	Lat	62.80353820		Long.: -149.269165727 Datum: NAD	83
-		Lai.	02.80353820	091		
	p Unit Name:				NWI classification: Upland	
Are V	natic/hydrologic conditions on the site typical for thi egetation, Soil, or Hydrology egetation, Soil, or Hydrology	significa	ear? Ye: ntly disturbed? / problematic?		(If no, explain in Remarks.) lormal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.)	
		-				
-	MARY OF FINDINGS - Attach site map sl	-	ampling poir	it locations	s, transects, important features, etc.	
		, <b>O</b>	l	s the Sam	pled Area	
		$\mathbf{O}$		vithin a W		
		<b>)</b> •	•			
Rema	IFKS.					
VEGE	TATION - Use scientific names of plants	List all s	necies in the	a nlot		
	Use scientine names of plants				Dominance Test worksheet:	
Tree	e Stratum	Absolu % Cov		Indicator Status	Number of Dominant Species	
	Betula neoalaskana	1	5 🗸	FACU	That are OBL, FACW, or FAC: (/	A)
	Picea glauca		0	FACU	Total Number of Dominant Species Across All Strata: 5 (I	B)
3.			$\overline{\mathbf{D}}$		Percent of dominant Species	2)
4.			D			A/B)
5.			D		Prevalence Index worksheet:	
	Total Co	ver:			Total % Cover of: Multiply by:	
Sap	ling/Shrub Stratum 50% of Total Cover:	<u>    12.5     </u> 2	0% of Total Cove	er: <u>5</u>	OBL Species $0 \times 1 = 0$	
1	Alnus viridis	2	5 🗸	FAC	FACW Species $0 \times 2 = 0$	
	Viburpum adula		0	FACU	FAC Species $80 \times 3 = 240$	
	Linnaaa haraalia			FACU	FACU Species $52 \times 4 = 208$	
4.					UPL Species $0 \times 5 = 0$	
5.					Column Totals: 132 (A) 448	(B)
6.			D			(D)
7.					Prevalence Index = B/A = <u>3.394</u>	
8.					Hydrophytic Vegetation Indicators:	
9.					Dominance Test is > 50%	
10.					□ Prevalence Index is ≤3.0	
	Total Co b Stratum 50% of Total Cover:			or: 8	Morphological Adaptations <sup>1</sup> (Provide supporting dat	a in
				er: <u>8</u> FACU	Remarks or on a separate sheet) Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
	Calamagrostis canadensis		0 0	FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology must	
	Equisetum sylvaticum			FAC	be present, unless disturbed or problematic.	
	Sanguisorba menziesii			FAC		
	Cornus canadensis			FACU	Plot size (radius, or length x width) <u>10m</u>	
-	Rubus arcticus		2	FAC	% Cover of Wetland Bryophytes (Where applicable)	
					% Bare Ground	
					Total Cover of Bryophytes	
					Hydrophytic	
	Total Co	ver: 67	 		Vegetation	
	50% of Total Cover:	33.5 2	0% of Total Cove	er: <u>13.4</u>	Present? Yes $\bigcirc$ No $\bigcirc$	
Rem	arks: tr spibea dryfil (2%) forest almost woodland	d tr stramp				

US Army Corps of Engineers

SOIL
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	Matrix		ment the indicator or con <b>Rec</b>	dox Feature		ators)		
Depth (inches) Co	olor (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-2							Fibric Organics	
2-3							Hemic Organics	
3-12 7.	5YR 3/1	50					Silt Loam	50% large cobbles what prevented further of
	<u>,                                     </u>							
<u> </u>								
. <u> </u>								
<sup>1</sup> Type: C=Concentra	tion. D=Depletior	1. RM=Reduc	ed Matrix <sup>2</sup> Location	1: PL=Pore	Lining. RC	C=Root Cha	nnel. M=Matrix	
Hydric Soil Indicat	ors:		Indicators for Pr	oblematic	Hydric S	oils: <sup>3</sup>		
Histosol or Histel	(A1)		Alaska Color Cl	nange (TA4)	<b>4</b> )		Alaska Gleyed Without H	ue 5Y or Redder
Histic Epipedon (	. ,		🗌 Alaska Alpine s	wales (TA5)	)		Underlying Layer	
Hydrogen Sulfide	-		🗌 Alaska Redox V	Vith 2.5Y Hu	ue		Other (Explain in Remarl	(S)
Thick Dark Surface	ce (A12)		2					
Alaska Gleyed (A	13)		<sup>3</sup> One indicator of and an appropriat	hydrophytic e landscape	c vegetation	on, one prin must be pre	nary indicator of wetland h esent	iydrology,
Alaska Redox (A1	.4)							
Alaska Gleyed Po	res (A15)		<sup>4</sup> Give details of co	olor change	in Remark	<s< td=""><td></td><td></td></s<>		
Restrictive Layer (if pr	resent):							
Туре:							Hydric Soil Present	? Yes 🔿 No 🖲
Depth (inches):							-	
Remarks:								
Remarks:								
Remarks:								
HYDROLOGY Wetland Hydrology								cators (two or more are required)
HYDROLOGY Wetland Hydrology _Primary Indicators (a	ny one is sufficier						Water Stai	ned Leaves (B9)
HYDROLOGY Wetland Hydrology Primary Indicators (a	nv one is sufficier A1)				-		Water Stai	ned Leaves (B9) Patterns (B10)
HYDROLOGY Wetland Hydrology Primary Indicators (a Surface Water (A High Water Table	nv one is sufficier A1)		Sparsely Veg	etated Conc	-		Water Stai	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3)
HYDROLOGY Wetland Hydrology Primary Indicators (a Surface Water (A High Water Tabl Saturation (A3)	<u>ny one is sufficier</u> A1) e (A2)		Sparsely Veg	etated Conc s (B15)	cave Surfa		Water Stai	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) If Reduced Iron (C4)
HYDROLOGY Wetland Hydrology Primary Indicators (a Surface Water (A High Water Table Saturation (A3) Water Marks (B1	ny one is sufficier A1) e (A2) L)		Sparsely Veg Marl Deposits Hydrogen Su	etated Conc s (B15) Ifide Odor ((	cave Surfa		Water Stai Urainage F Oxidized R Presence c Salt Depos	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) its (C5)
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