## WETLAND DETERMINATION DATA FORM - Alaska Region

t/Site: Susitna-Watana Hydroelectric Projec	ot	В	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 22-Jun-12	
ant/Owner: Alaska Energy Authority					Sampling Point: SW12_T25_09	
			Landform (hills	side, terrac		
• • • • • • • • • • • • • • • • • • • •			Slope:	% / 14.3		
ion : Southcentral Alaska	L	at.:	62 794518264	 6	Long.: -149.243305735 Datum: NAD83	
		_	02.704010204		NWI classification: PSS1/EM1B	
	for this time of	voor	2 Vac (	● No ○	(If no, explain in Remarks.)	
		-			ormal Circumstances" present? Yes   No	
	_	-			ded, explain any answers in Remarks.)	
	•	sam	ipling point	locations	s, transects, important features, etc.	
, , , ,	_		le f	tha Sam	nlad Araa	
.,				within a Wetland? Yes  No		
	No O		WII	liiii a vv	etialia: 165 o 165 o	
arks:						
<b>ETATION -</b> Use scientific names of pla	ants. List al	l spe	cies in the p	olot.		
					Dominance Test worksheet:	
e Stratum	<u> % C</u>		Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)	
					Total Number of Dominant	
					Species Across All Strata: 4 (B)	
					Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)	
Tot	al Cover:				Prevalence Index worksheet:  Total % Cover of: Multiply by:	
			of Total Cover:	0	0010	
					OBL Species 22 x 1 = 22 FACW Species 20 x 2 = 40	
					FAC Species 23 x 3 = 69	
Phododondron tomontonum					FACU Species 0 x 4 = 0	
Facility of the control of the contr					UPL Species 0 x 5 = 0	
		0		-7.0		
		0				
		0			Prevalence Index = B/A = 2.015	
		0			Hydrophytic Vegetation Indicators:	
		0			✓ Dominance Test is > 50%	
		0			✓ Prevalence Index is ≤3.0	
=00/ C= . LO			/ -f T-+-  C		Morphological Adaptations <sup>1</sup> (Provide supporting data in	
	over: <u>13.5</u>				Remarks or on a separate sheet)	
					Problematic Hydrophytic Vegetation (Explain)	
·					Indicators of hydric soil and wetland hydrology must     be present, unless disturbed or problematic.	
Onner nervetilin						
<del></del>		0		ODL	Plot size (radius, or length x width)	
		0			% Cover of Wetland Bryophytes	
		0			% Bare Ground	
		0			Total Cover of Bryophytes 80	
		0			, , , <u></u>	
		0			Undershie	
					Hydrophytic	
	al Cover:	38	of Total Cover:	7.6	Vegetation Present?  Yes   No	
	ant/Owner: Alaska Energy Authority igator(s): JGK relief (concave, convex, none): flat gion: Southcentral Alaska ap Unit Name: imatic/hydrologic conditions on the site typical for the stream of the site typical for the stream of the site typical for the site ty	ant/Owner: Alaska Energy Authority igator(s): JGK relief (concave, convex, none): flat gion: Southcentral Alaska	ant/Owner: Alaska Energy Authority igator(s): JGK relief (concave, convex, none): flat gion: Southcentral Alaska ap Unit Name: imatic/hydrologic conditions on the site typical for this time of year v/egetation	ant/Owner: Alaska Energy Authority igator(s): JGK	ant/Owner: Alaska Energy Authority igator(s): JGK	

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW12\_T25\_09

Depth (inches) Color (mo	Matrix	ment the indicator or confirm the ab <b>Redox Featu</b>		s)		
0-13	oist) %	Color (moist) %	Type <sup>1</sup>	Loc_2	Texture	Remarks
				Fibric (	Organics	
13-15				Hemic	Organics	
15-18 7.5YR	2.5/2 40			Silty C	ay Loam	60% hemic peat
						-
Type: C=Concentration. D	=Depletion. RM=Reduc	eed Matrix <sup>2</sup> Location: PL=Por			=Matrix	
lydric Soil Indicators:		Indicators for Problemati	c Hydric Soils:	3		
Histosol or Histel (A1)		Alaska Color Change (TA	4)		Gleyed Without H	ue 5Y or Redder
Histic Epipedon (A2)		Alaska Alpine swales (TA	•		lying Layer	
Hydrogen Sulfide (A4)		☐ Alaska Redox With 2.5Y I	Hue	☐ Other	(Explain in Remarl	ks)
Thick Dark Surface (A12	)	<sup>3</sup> One indicator of hydrophyl	tic vegetation ic	ne primary ind	icator of wetland h	avdrology
Alaska Gleyed (A13)		and an appropriate landscap			icator or wetland i	iyurology,
☐ Alaska Redox (A14)		<sup>4</sup> Give details of color chang	ıe in Remarks			
Alaska Gleyed Pores (A1	·		e iii Keilians			
estrictive Layer (if present):				11	i- Cail Buasant	? Yes • No O
Type: Depth (inches):				Hyar	ic Soil Present	? Yes ♥ No ∪
YDROLOGY						
Tetland Hydrology Indications  Trimary Indicators (any one						cators (two or more are required) ined Leaves (B9)
Surface Water (A1)	is sufficiency	Inundation Visible on A	Aprial Imagan, (	77\		Patterns (B10)
High Water Table (A2)		<ul><li>Inundation Visible on A</li><li>Sparsely Vegetated Cor</li></ul>		-		thizospheres along Living Roots (C3
Saturation (A3)		Marl Deposits (B15)	icave Surface (I	50)		of Reduced Iron (C4)
Water Marks (B1)		Hydrogen Sulfide Odor	· (C1)		Salt Depos	• ,
Sediment Deposits (B2)		Dry-Season Water Tabl				Stressed Plants (D1)
Drift Deposits (B3)		Other (Explain in Rema				ic Position (D2)
_ ` ` ` ′		outer (Explain in Rema				quitard (D3)
Algal Mat or Crust (B4)						graphic Relief (D4)
Algal Mat or Crust (B4)  Iron Deposits (B5)					✓ FAC-neutra	,
Iron Deposits (B5)	ı					
Iron Deposits (B5) Surface Soil Cracks (B6)	l .					
Iron Deposits (B5) Surface Soil Cracks (B6)	Yes O No •	Depth (inches):				
Iron Deposits (B5) Surface Soil Cracks (B6) ield Observations: Surface Water Present?	Yes ○ No ●	Depth (inches):	v	Vetland Hvo	irology Presen	ut? Yes 💿 No 🔿
Iron Deposits (B5)	Yes ○ No • Yes ○ No •	Depth (inches):	v	Vetland Hyd	irology Presen	at? Yes ● No ○
Iron Deposits (B5) Surface Soil Cracks (B6) ield Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	Yes O No O Yes No No O	Depth (inches): Depth (inches): 1			drology Presen	nt? Yes   No
Iron Deposits (B5) Surface Soil Cracks (B6) ield Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	Yes O No O Yes No No O	Depth (inches):			drology Presen	at? Yes   No
Iron Deposits (B5) Surface Soil Cracks (B6) ield Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	Yes O No O Yes No No O	Depth (inches): Depth (inches): 1			drology Presen	at? Yes   No

U.S. Army Corps of Engineers Alaska Version 2.0