## WETLAND DETERMINATION DATA FORM - Alaska Region

Site: Susitna-Watana Hydroelectric Project		Borough/City:	Matanusk	ca-Susitna Borough Sampling Date: 02-Aug-12				
t/Owner: Alaska Energy Authority		Sampling Point: SW12_T53_07						
	illside, terrac							
.,		Slope:		<del>-</del>				
	l at ·	-	 345					
	J4J							
	: <b></b>	0 Vo	0 No O					
	•							
	Ū	•		omai oli camataneco present:				
, , ,								
-		mpling poir	nt locations	s, transects, important features, etc.				
, , , , , , , , , , , , , , , , , , , ,			a tha Cam	unland Area				
lydric Soil Present? Yes O No 🤆								
				Chana:				
ks: Slcbe but much of the mappable polygon, thoug	h small it i	s, is dominate	ed by tall Bet	gla				
<b>FATION</b> -Use scientific names of plants. L	ist all sp	ecies in the	e plot.					
•				Dominance Test worksheet:				
Stratum			Status	Number of Dominant Species That are ORL FACW or FAC:				
	0							
	0			Species Across All Strata:3(B)				
	0			Percent of dominant Species				
	0	_ 📙		That Are OBL, FACW, or FAC: 66.7% (A/B	)			
	0	_		Prevalence Index worksheet:				
		-		Total % Cover of: Multiply by:				
ng/Shrub Stratum 50% of Total Cover:	0 20	% of Total Cove	er:0	OBL Species x 1 =0				
Betula glandulosa	60	✓	FAC	FACW Species 11 x 2 = 22				
/accinium uliginosum	40	<b>~</b>	FAC	FAC Species <u>107</u> x 3 = <u>321</u>				
Spiraea stevenii	1		FACU					
Empetrum nigrum	5	_	FAC	UPL Species <u>0</u> x 5 = <u>0</u>				
				Column Totals: <u>144.1</u> (A) <u>447.4</u> (	B)			
Rhododendron tomentosum			FACW	Prevalence Index = B/A = 3.105				
		-						
		-						
		_						
	er: 23.6							
Cornus conodoneis	25	<b>✓</b>	FACU					
T: ( )			FACU					
D. h			FACW	be present, unless disturbed or problematic.				
				District (and its or leastly would be)				
				Plot size (radius, or length x width) <u>10m</u>				
		_		% Cover of Wetland Bryonhytes				
	0	_		% Cover of Wetland Bryophytes				
	0							
	0 0			(Where applicable)				
	0 0 0			(Where applicable)  % Bare Ground  _0				
	0 0 0 0 0			(Where applicable)  % Bare Ground  Total Cover of Bryophytes  Hydrophytic				
	0 0 0 0 0 0 0 0	_		(Where applicable)  % Bare Ground  Total Cover of Bryophytes				
	t/Owner: Alaska Energy Authority ator(s): CTS, EKJ lief (concave, convex, none): convex  on: Southcentral Alaska Unit Name: atic/hydrologic conditions on the site typical for this togetation  , Soil  , or Hydrology  , or H	tr/Owner: Alaska Energy Authority ator(s): CTS, EKJ lief (concave, convex, none): convex  on: Southcentral Alaska Unit Name: atic/hydrologic conditions on the site typical for this time of year getation	t/Owner: Alaska Energy Authority ator(s): CTS, EKJ	Alaska Energy Authority ator(s): CTS, EKJ Landform (hillside, terrac tich (concave, convex, none): convex Slope: % / 6.8 an: Southcentral Alaska Unit Name:  atic/hydrologic conditions on the site typical for this time of year? Yes No No Nother or Nother of Part Noth Name:  ARY OF FINDINGS - Attach site map showing sampling point locations (hydrophytic Vegetation Present? Yes No No Nother Not				

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW12\_T53\_07

JOIL								Sampini	g Point: 3W12_133_07		
Profile Descripti			needed to doc	ument the indicator or cor			ators)				
Depth		Matrix		Red	lox Featu						
(inches)	Color (mo	ist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	<u>Loc</u> 2	Texture	Remarks		
0-5			90					Fibric Organics	10% roots		
5-7	10YR	5/2	100					Fine Sandy Loam	charcoal on top		
7-10	2.5YR	2.5/1	100%					Sand	fades to 2.5YR 2.5/2		
10-13	10YR	4/6	100					Fine Sandy Loam	-		
13-15	10YR	5/2	100					Fine Sandy Loam			
									_		
¹Type: C=Cor	ncentration. D=	=Depletio	n. RM=Redu	ced Matrix <sup>2</sup> Location	: PL=Por	e Lining. RC	=Root Cha	nnel. M=Matrix			
Hydric Soil I	ndicators:			Indicators for Pro	oblemati	c Hydric So	oils: <sup>3</sup>				
	Histel (A1)			Alaska Color Ch		4		Alaska Gleyed Without H	lue 5Y or Redder		
Histic Epip	` '			Alaska Alpine s	wales (TA	5)		Underlying Layer			
Hydrogen	Sulfide (A4)			Alaska Redox V	Vith 2.5Y I	Hue		Other (Explain in Remar	ks)		
Thick Dark	Surface (A12)	)		3 One indicator of	h. droph.d	tia waaatatia		ann, indicator of watland	hudrologu.		
Alaska Gle	yed (A13)			and an appropriat	e landscap	ne position r	must be prin	nary indicator of wetland lesent	nydrology,		
Alaska Red	. ,			<sup>4</sup> Give details of co	olor chang	e in Remark	rs				
☐ Alaska Gle	yed Pores (A15	5)		GIVE details of et	nor charig	e iii reman					
Restrictive Laye	er (if present):										
Type:								Hydric Soil Present	t? Yes O No 💿		
Depth (inch	nes):										
Remarks:											
no hydric soil ir	ndicators										
<b>HYDROLO</b>	-										
Wetland Hyd									icators (two or more are required)		
Primary Indica		is sufficie	nt)						ined Leaves (B9)		
Surface W	` '			Inundation Vi		-	, , ,	·			
	High Water Table (A2)  Sparsely Vegetated Concave Surface (B8					ce (B8)		Rhizospheres along Living Roots (C3)			
	☐ Saturation (A3) ☐ Marl Deposits (B15)						Presence of Reduced Iron (C4)				
	Water Marks (B1)							☐ Salt Deposits (C5) ☐ Stunted or Stressed Plants (D1)			
	☐ Sediment Deposits (B2) ☐ Dry-Season Water Table (C2)								` '		
	J Drift Deposits (B3)       ☐ Other (Explain in Remarks)       ☐ Geomorphic Position (D2)         Algal Mat or Crust (B4)       ☐ Shallow Aquitard (D3)										
Iron Depo									graphic Relief (D4)		
	oil Cracks (B6)								al Test (D5)		
Field Observa	· , ,							TAC ficult	ui 1636 ( <i>D3</i> )		
Surface Water		Yes (	○ No ●	Depth (inche	s):						
Water Table P			O No ⊙	Depth (inche	,		Wetlar	nd Hydrology Preser	nt? Yes O No 💿		
Saturation Pre					•			,	165 5 116 5		
(includes capi		Yes	○ No ⊙	Depth (inche	s):						
Describe Recor	ded Data (stre	am gauge	e, monitor w	ell, aerial photos, prev	vious inspe	ection) if ava	ailable:				
<b>D</b> 1											
Remarks:	Irology indicate	orc									
no wetland hydrology indicators											

U.S. Army Corps of Engineers Alaska Version 2.0