WETLAND DETERMINATION DATA FORM - Alaska Region

/Site: Susitna-Watana Hydroelectric Project		Borou	ıgh/City:	Matanusk	a-Susitna Borough Sampling Date: 25-Jun-12			
int/Owner: Alaska Energy Authority					Sampling Point: SW12_T28_02			
		dform (hill	(hillside, terrace, hummocks etc.): Flat					
		– Slo						
	Lat ·							
	Lutii	00430122						
			Vaa	■ N= ○	NWI classification: PSS1/EM1B			
egetation , Soil , or Hydrology egetation , Soil , or Hydrology	significar naturally owing sa	ntly dis proble	turbed? matic?	Are "N (If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes No No eded, explain any answers in Remarks.) Iormal Circumstances" present? Yes No			
.,,,			ls	the Sam	nled Δrea			
yane com r rocentr			within a Wetland? Yes No					
* **)		VV I	uiiii a vv	etiana:			
TATION -Use scientific names of plants. L	•	e D	ominant	Indicator	Dominance Test worksheet:			
e Stratum			pecies?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)			
	0	_			Total Number of Dominant			
		_			Species Across All Strata:3 (B)			
		_			Percent of dominant Species			
		_			That Are OBL, FACW, or FAC:100.0% (A/B)			
7.1.10		_			Prevalence Index worksheet:			
			-4-1 6	_	Total % Cover of: Multiply by:			
ling/Shrub Stratum 50% of Total Cover:	0 20	J% OT I	otal Cover:	0	OBL Species0 x 1 =0			
Rhododendron tomentosum	20)	✓	FACW	FACW Species <u>25</u> x 2 = <u>50</u>			
Vaccinium uliginosum	15	5	✓	FAC	FAC Species			
Empetrum nigrum	5	_		FAC	FACU Species 0 x 4 = 0			
Vaccinium vitis-idaea	10)		FAC	UPL Species <u>0</u> x 5 = <u>0</u>			
Betula nana	10)		FAC	Column Totals: <u>100</u> (A) <u>275</u> (B)			
		_			Prevalence Index = B/A =2.750_			
	0	_						
	0	_			Hydrophytic Vegetation Indicators:			
		_			✓ Dominance Test is > 50%			
		_			✓ Prevalence Index is ≤3.0			
b Stratum 50% of Total Cover:	otal Cover		Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)					
		_		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)			
		_		FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
		_			be present, unless disturbed or problematic.			
		_			Plot size (radius, or length x width)			
		_			% Cover of Wetland Bryophytes15			
		_			(Where applicable)			
	0	_			% Bare Ground 2			
	0	_			70 Sare Ground 2 2 20 20 20 20 20 20 20 20 20 20 20 20			
	0	_			Total Cover of Bryophytes 20			
	0 0	_						
	egetation	gator(s): JGK elief (concave, convex, none): hummocky ion: Interior Alaska Mountains p Unit Name: matic/hydrologic conditions on the site typical for this time of ye egetation	gator(s): JGK Laneleif (concave, convex, none): hummocky Slo sion: Interior Alaska Mountains Lat.: 62.8 p Unit Name: natic/hydrologic conditions on the site typical for this time of year? egetation	gator(s): JGK	pator(s): JGK			

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SOIL Sampling Point: SW12_T28_02

Profile Descript	ion: (Describe to the	ne depth need atrix	led to document		onfirm the abs		cators)					
Depth (inches)	Color (mois		% Co	lor (moist)	%	Type ¹	_Loc_2	Texture	Remarks			
0-10	Color (IIIols		80	iioi (iiioist)		туре	LOC	Fibric Organics	20% roots			
10-16								Hemic Organics				
								-				
-												
¹Type: C=Co	ncentration. D=I	Depletion. R	M=Reduced M	latrix ² Locatio	n: PL=Pore	e Lining. RC	C=Root Cha	nnel. M=Matrix				
Hydric Soil I	ndicators:		In	dicators for P	roblematio	Hydric S	oils: ³					
✓ Histosol or Histel (A1) ☐ Alaska Color Cl					Change (TA4) Alaska Gleyed Without Hue 5Y or Redder							
Histic Epip	pedon (A2)			Alaska Alpine swales (TA5) Underlying Layer								
☐ Hydrogen	Sulfide (A4)			Alaska Redox	With 2.5Y H	lue		Other (Explain in Remark	rs)			
☐ Thick Darl	k Surface (A12)		9									
Alaska Gle	eyed (A13)			One indicator o nd an appropria				nary indicator of wetland h esent	ydrology,			
Alaska Red	dox (A14) eyed Pores (A15)			Give details of o		•	•					
Restrictive Laye	er (if present):											
Type:								Hydric Soil Present	? Yes ● No O			
Depth (incl	nes):											
HYDROLO	GY											
	rology Indicat	ors:						Secondary Indi	cators (two or more are required)			
	ators (any one is								ned Leaves (B9)			
✓ Surface V	Vater (A1)			Inundation '	Visible on A	erial Image	ry (B7)	☐ Drainage P	atterns (B10)			
High Wate	er Table (A2)			Sparsely Ve	getated Con	cave Surfa	ce (B8)	(B8) Oxidized Rhizospheres along Living Roots (C3)				
Saturation	. ,			Marl Deposi	ts (B15)			_	f Reduced Iron (C4)			
Water Ma				Hydrogen S	ulfide Odor	(C1)		Salt Depos				
	Deposits (B2)		Ĺ	Dry-Season					Stressed Plants (D1)			
Drift Depo			L	Other (Expla	ain in Remai	rks)			ic Position (D2)			
	or Crust (B4)								uitard (D3)			
☐ Iron Depo	. ,								raphic Relief (D4)			
Field Observa	oil Cracks (B6)							✓ FAC-neutra	il Test (D5)			
Surface Wate		Yes	No O	Depth (inch	oc): 1							
		Yes •			•		\A/ -+	ad Hadwalama Duasan	43 Vaa 📵 Na 🔿			
Water Table F				Depth (inch	es): 0		wetiai	nd Hydrology Presen	t? Yes • No ·			
Saturation Pre (includes capi		Yes	No O	Depth (inch	es): 0							
Describe Recor	ded Data (strea	m gauge, m	ionitor well, a	erial photos, pre	evious inspe	ction) if ava	ailable:					
Domarket												
Remarks:	was only in nocl	rets										
Surface water was only in pockets												

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