WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	t/Site: Susitna-Watana Hydroelectric Project	t	В	orough/City:	Denali Bo	orough Sampling Date: 08-Aug-13			
Applica	ant/Owner: Alaska Energy Authority					Sampling Point: SW13_T170_03			
	igator(s): WAD, RWM	side, terrac	ee, hummocks etc.): peat mound						
	relief (concave, convex, none): convex			Slope:	% / 6.1 ° Elevation: 819				
	gion : Interior Alaska Mountains		lat: (
			Lat (
	ap Unit Name:				No ○	NWI classification: Upland			
Are \	matic/hydrologic conditions on the site typical for /egetation , Soil , or Hydrology /egetation , Soil , or Hydrology MARY OF FINDINGS - Attach site ma	☐ sign	ificantly irally pro	/ disturbed? oblematic?	Are "N (If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes No ded, explain any answers in Remarks.) s, transects, important features, etc.			
	Hydrophytic Vegetation Present? Yes	No O							
	Hydric Soil Present? Yes	No 💿		Is the Sampled Area					
	Wetland Hydrology Present? Yes	No 💿		within a Wetland? Yes ○ No ●					
Rema									
	ETATION - Use scientific names of pla	Ab	solute	Dominant	Indicator	Dominance Test worksheet: Number of Dominant Species			
	e Stratum Picea glauca		Cover 3	Species?	Status FACU	That are OBL, FACW, or FAC:			
2.					TACO	Total Number of Dominant			
3.			0			Species Across All Strata: 2 (B)			
4.						Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)			
5.									
	Tota	l Cover:	3			Prevalence Index worksheet:			
San	oling/Shrub Stratum 50% of Total Cov			of Total Cover:	0.6	Total % Cover of: Multiply by: OBL Species 0 x 1 = 0			
	- 		_	_					
	Betula glandulosa		60	✓	FAC				
2.	Rhododendron tomentosum		35		FACW				
3.	Vaccinium uliginosum		<u>25</u> 5		FAC	FACU Species 8 x 4 = 32 UPL Species 0 x 5 = 0			
4. 5.	Vaccinium vitis-idaea Chamaedaphne calyculata		5		FAC FACW				
6.	Spiraea stevenii				FACU	Column Totals: <u>142</u> (A) <u>394</u> (B)			
7.	Эрнаеа steveнн				TACO	Prevalence Index = B/A = 2.775			
8.			0	П		Hydrophytic Vegetation Indicators:			
9.			0			✓ Dominance Test is > 50%			
			0			✓ Prevalence Index is ≤3.0			
	Tota rb Stratum 50% of Total Cov	: 27	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)						
1.	Calamagrostis canadensis		2		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)			
	Carex bigelowii		2		FAC	¹ Indicators of hydric soil and wetland hydrology must			
3.			0			be present, unless disturbed or problematic.			
4.			0			Plot size (radius, or length x width)			
5.			0			% Cover of Wetland Bryophytes			
6.						(Where applicable)			
			0			% Bare Ground			
			0			Total Cover of Bryophytes30			
			0						
10.						Hydrophytic			
		l Cover:	4	c=		Vegetation Present? Yes ● No ○			
	50% of Total Cov	er. a	200∕-	of Lotal Cover	0.8	Present? Tes S NO S			

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SOIL Sampling Point: SW13_T170_03

		ne depth neede	d to document	the indicator or co	onfirm the abs		cators)		
Depth (inches)	Color (moi		6 Co	olor (moist)	%	Type ¹	_Loc_2	Texture	Remarks
0-3	COIOI (IIIOI		00	noi (illoist)		Туре	LUC	Fibric Organics	T.C.II.I.I.O
3-9			00					Hemic Organics	
			-		_				
9-16		1	00					Sapric Organics	
								-	
¹Type: C=Cor	ncentration. D=	Depletion. RM	=Reduced N	1atrix ² Locatio	n: PL=Pore	e Lining. RO	C=Root Cha	nnel. M=Matrix	
Hydric Soil I	ndicators:		In	dicators for P	roblematio	: Hydric S	oils:		
Histosol o	r Histel (A1)			Alaska Color C	hange (TA4	4 1)		Alaska Gleyed Without Hu	ue 5Y or Redder
	edon (A2)			Alaska Alpine	swales (TA5	5)		Underlying Layer	
Hydrogen	Sulfide (A4)			Alaska Redox V	With 2.5Y F	lue		Other (Explain in Remark	s)
☐ Thick Dark	Surface (A12)		_						
Alaska Gle	eyed (A13)			One indicator of nd an appropria				nary indicator of wetland h	ydrology,
Alaska Red	dox (A14)						•		
Alaska Gle	eyed Pores (A15)	4	Give details of c	olor change	e in Remarl	ks		
Restrictive Laye									
Type: seas Depth (inch	sonal frost , ice nes): 16	rich						Hydric Soil Present?	? Yes ○ No •
Remarks:									
HYDROLO	GY								
Wetland Hyd	rology Indicat	ors:						Secondary Indic	ators (two or more are required)
Primary Indica	itors (any one is	sufficient)						Water Stair	ned Leaves (B9)
Surface W	Vater (A1)		[Inundation \	isible on A	erial Image	ery (B7)	_	atterns (B10)
	er Table (A2)			Sparsely Veg	jetated Con	cave Surfa	ce (B8)		nizospheres along Living Roots (C3)
Saturation	. ,		Ĺ	Marl Deposit	s (B15)			_	Reduced Iron (C4)
Water Ma			Ĺ	Hydrogen Su				Salt Deposi	
	Deposits (B2)		Ĺ	Dry-Season		. ,			Stressed Plants (D1)
Drift Depo	. ,		L	Other (Expla	in in Rema	rks)			c Position (D2)
☐ Algai Mat	or Crust (B4)							✓ Shallow Aq	uitard (D3) raphic Relief (D4)
`	oil Cracks (B6)							FAC-neutra	
Field Observa								TAC-fleutia	rest (D3)
Surface Water		Yes 🔾	No 💿	Depth (inche	-c).				
Water Table F		Yes O			•		Wotla	nd Hydrology Present	t? Yes O No 💿
		_	_	Depth (inche	es):		Wetiai	ia nyarology Present	Le fes O NO O
Saturation Present? (includes capillary fringe) Yes No •				Depth (inche	es):				
Describe Recor	ded Data (strea	m gauge, mo	nitor well, a	erial photos, pre	vious inspe	ction) if av	ailable:		
Remarks:									

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