## WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	t/Site: Susitna-Watana Hydroelectric Project	В	orough/City:	Denali Bo	orough Sampling Date: 08-Aug-13			
Applica	ant/Owner: Alaska Energy Authority				Sampling Point: SW13_T203_07			
	gator(s): CTS, AMD	Landform (hill	Iside, terrace, hummocks etc.): Flat					
	relief (concave, convex, none): flat							
	gion : Interior Alaska Mountains	lat· (	63.394963503	·				
		Lat(						
	ap Unit Name:		0 Vaa	No ○	NWI classification: Upland			
Are \		significantly naturally pr	/ disturbed? oblematic?	Are "N (If nee	(If no, explain in Remarks.)  Iormal Circumstances" present? Yes ● No ○  eded, explain any answers in Remarks.)  s, transects, important features, etc.			
	Hydrophytic Vegetation Present? Yes ● No ○ Hydric Soil Present? Yes ○ No ●			the Sampled Area				
	Wetland Hydrology Present? Yes O No •	)	within a Wetland? Yes ○ No ●					
Rem	narks:							
	ETATION - Use scientific names of plants. Lise	st all spe  Absolute % Cover	cies in the  Dominant Species?		Dominance Test worksheet:  Number of Dominant Species			
1.	Picea glauca	15	<b>V</b>	FACU	That are OBL, FACW, or FAC: (A)			
2.		0			Total Number of Dominant Species Across All Strata: 4 (B)			
3.		0			Percent of dominant Species			
4.		0			That Are OBL, FACW, or FAC: 50.0% (A/B)			
5.		0			Prevalence Index worksheet:			
	Total Cover:	15			Total % Cover of: Multiply by:			
Sap	oling/Shrub Stratum 50% of Total Cover:	7.5 20%	of Total Cover:	3	OBL Species 0 x 1 = 0			
1.	Picea glauca	2		FACU	FACW Species 40 x 2 = 80			
2.	Refula nana	50	<u></u>	FAC	FAC Species 98 x 3 = 294			
3.	Vaccinium uliginosum	20		FAC	FACU Species 36 x 4 = 144			
4.	Ledum decumbens	40	<b>✓</b>	FACW	UPL Species0 x 5 =0			
5.	Empetrum nigrum	20		FAC	Column Totals:174 (A)518 (B)			
6.	Vaccinium vitis-idaea	4		FAC				
7.		0			Prevalence Index = B/A = 2.977			
8.		0			Hydrophytic Vegetation Indicators:			
9.		0			☐ Dominance Test is > 50%			
10.		0			✓ Prevalence Index is ≤3.0			
Her	Total Cover: 50% of Total Cover:		_	27.2	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
	Cornus canadensis		<b>✓</b>	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
	Carex bigelowii			FAC	Indicators of hydric soil and wetland hydrology must			
	Bistorta plumosa			FACU	be present, unless disturbed or problematic.			
	Anthoxanthum monticola ssp. alpinum			FACU	Plot size (radius, or length x width)			
					% Cover of Wetland Bryophytes			
					(Where applicable)			
					% Bare Ground 4			
					Total Cover of Bryophytes			
		0			Hydronhytic			
1	Total Cover:			Hydrophytic Vegetation				
		23			Present? Yes • No •			

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SOIL Sampling Point: SW13\_T203\_07

Profile Descript	ion: (Describe to t	he depth ne	eded to docu	ment the indicator or co	nfirm the ab	sence of indic	ators)	-			
Depth		latrix			lox Feat		uto13,				
(inches)	Color (moi	st)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-7	10YR	3/6	100					Sandy Loam			
7-11	5Y	5/3	100					Sandy Loam			
11-20		5/2	100					Sandy Loam			
								-			
¹Type: C=Co	ncentration. D=	Depletion	. RM=Reduc	ced Matrix <sup>2</sup> Location	n: PL=Por	e Lining. RC	=Root Cha	nnel. M=Matrix			
Hydric Soil I	indicators:			Indicators for Pr	oblemati	ic Hydric So	oils: <sup>3</sup>				
l <u></u>	r Histel (A1)			Alaska Color Ch		4		Alaska Gleyed Without Hu	e 5Y or Redder		
l	pedon (A2)			Alaska Alpine s	wales (TA	5)		Underlying Layer			
	Sulfide (A4)			Alaska Redox V	Vith 2.5Y	Hue		Other (Explain in Remarks	3)		
☐ Thick Dar	k Surface (A12)			_							
Alaska Gle	eyed (A13)			<sup>3</sup> One indicator of and an appropriat				nary indicator of wetland hy	drology,		
Alaska Re	dox (A14)						•	25CHC			
Alaska Gle	eyed Pores (A15	)		<sup>4</sup> Give details of co	olor chang	je in Remark	S				
Restrictive Lay	er (if present):										
Type:	( )							Hydric Soil Present?	Yes O No 💿		
Depth (inc	hes):							•			
Remarks:											
no hydic soil indicators											
no nyaic son in	idicators										
HYDROLO											
_	rology Indicat		_						ators (two or more are required)		
	ators (any one is	sufficien	t)						ed Leaves (B9)		
	Vater (A1)			Inundation V		-			atterns (B10)		
☐ High Water Table (A2)				Sparsely Vegetated Concave Surface (B8)					izospheres along Living Roots (C3)		
Saturatio				Marl Deposits	` '				Reduced Iron (C4)		
☐ Water Ma				Hydrogen Su				☐ Salt Deposit			
	Deposits (B2)			☐ Dry-Season V		` '			Stressed Plants (D1)		
☐ Drift Dep				U Other (Explai	n in Rema	arks)			Position (D2)		
	or Crust (B4)							☐ Shallow Aqu			
☐ Iron Depo									raphic Relief (D4)		
	Soil Cracks (B6)							☐ FAC-neutral	Test (D5)		
Field Observ											
Surface Wate	r Present?		No 💿	Depth (inche	s):						
Water Table I	Present?	Yes 🤇	No •	Depth (inche	s):		Wetlar	nd Hydrology Present	? Yes O No 💿		
Saturation Pro (includes cap		Yes C	No •	Depth (inche	s):						
Describe Reco	rded Data (strea	ım gauge,	monitor we	ell, aerial photos, prev	ious insp	ection) if ava	ilable:				
Remarks:											
no wetland hydrology indicators											

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