WETLAND DETERMINATION DATA FORM - Alaska Region

/Site: Susitna-Watana Hydroelectric Project		Borough/City:	Denali Bo	rough Sampling Date: 04-Aug-13			
ant/Owner: Alaska Energy Authority		Sampling Point: SW13_T166_05					
	side, terrac						
		Slope:	% / 1.1	° Elevation: 731			
IION Interior Alaska Mountains	L at			Long.: -148.561422824 Datum: NAD83			
		00.000402004		NWI classification: Upland			
		2 Von	● No ○	(If no, explain in Remarks.)			
regetation ☐ , Soil ☐ , or Hydrology ☐ , Soil ☐ , or Hydrology ☐	significal naturally	ntly disturbed? problematic?	Are "N (If nee	lormal Circumstances" present? Yes No No deded, explain any answers in Remarks.)			
Hydrophytic Vegetation Present? Yes ● No	\subset		41 0	ulad Ausa			
Hydric Soil Present? Yes ○ No	lacksquare	Is the Sampled Area within a Wetland? Yes ○ No ●					
Wetland Hydrology Present? Yes No	C	within a Wetland? Yes ○ No ●					
arks:							
ETATION - Use scientific names of plants.	 List all s	pecies in the	plot.				
- Ose scientific flames of plantes.		•	•	Dominance Test worksheet:			
e Stratum			Status	Number of Dominant Species			
	C)	-	That are OBL, FACW, or FAC: 4 (A)			
				Total Number of Dominant Species Across All Strata: 4 (B)			
		<u> </u>		Percent of dominant Species			
	С			That Are OBL, FACW, or FAC: 100.0% (A/B)			
	C			Prevalence Index worksheet:			
Total Cove		_		Total % Cover of: Multiply by:			
ling/Shrub Stratum 50% of Total Cover:	0 20	0% of Total Cover:	0	OBL Species <u>15</u> x 1 = <u>15</u>			
Betula nana	2	5	FAC	FACW Species x 2 =146			
Rhododendron tomentosum	3:	5	FACW	FAC Species <u>46</u> x 3 = <u>138</u>			
Vaccinium uliginosum	8	B	FAC	FACU Species 0 x 4 = 0			
Vaccinium vitis-idaea	1/	0	FAC	UPL Species <u>0</u> x 5 = <u>0</u>			
Empetrum nigrum	3	<u> </u>	FAC	Column Totals: <u>134</u> (A) <u>299</u> (B)			
				Prevalence Index = B/A =2.231_			
				Hydrophytic Vegetation Indicators:			
				✓ Dominance Test is > 50%			
				✓ Prevalence Index is ≤3.0			
b Stratum 50% of Total Cover:		20% of Total Cover		Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)			
				Problematic Hydrophytic Vegetation (Explain)			
·				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
		_ =	FACW	be present, unless disturbed of problematic.			
		_ =		Plot size (radius, or length x width)			
		_ =		% Cover of Wetland Bryophytes			
				(Where applicable) % Bare Ground 3			
		_ =		% Bare Ground3 Total Cover of Bryophytes25			
				Total cover of bryophytes			
)		Hydrophytic			
				, a. opii, a.c			
Total Cove	er: <u>53</u>	_		Vegetation Present? Yes ● No ○			
	gion: Interior Alaska Mountains ap Unit Name: matic/hydrologic conditions on the site typical for this //egetation	gator(s): CTS, AMD relief (concave, convex, none): flat gion: Interior Alaska Mountains	gator(s): CTS, AMD	gator(s): CTS, AMD relief (concave, convex, none): flat			

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SOIL Sampling Point: SW13_T166_05

Profile Description	nn: (Describe to	the depth no	eded to docu	iment the indicator or co	nfirm the at	nsence of indic	ators)	• -	- O.M.C. 54415_1100_05		
Depth Description		Matrix			dox Featu						
(inches)	Color (mo	ist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-2			100					Hemic Organics			
2-8	7.5YR	2/2	100					Silt Loam			
8-9	10YR	2/1	100					Silt Loam			
9-11	10YR	2/2	100					Silt Loam			
					-						
					-						
			-								
								-			
1 _{Tyme} , C_Cen	contration D	Danlation	DM-Dadu	and Matrix 21 agation		- Lining DC		nnal M-Matrix			
		=Depletion	KM=Keau	ced Matrix ² Location				nnei. M=Matrix			
Hydric Soil Ir				Indicators for Pr		4	oils:	1			
Histosol or	. ,			Alaska Color Ch		-		☐ Alaska Gleyed Without Hue 5Y or Redder Underlying Layer			
Histic Epipe				Alaska Alpine s	•	•		Other (Explain in Remarks	-1		
	Sulfide (A4)			☐ Alaska Redox V	vitn 2.5Y i	Hue		Other (Explain in Remarks	,,		
	Surface (A12))		³ One indicator of	hydrophy	tic vegetatio	n, one prin	nary indicator of wetland hy	ydrology,		
☐ Alaska Gley				and an appropriat							
☐ Alaska Red	ox (A14) yed Pores (A1	5)		4 Give details of co	olor chang	je in Remark	S				
	•										
Restrictive Laye								Under Call Descents	Yes O No 💿		
Type: Activ Depth (inch	•							Hydric Soil Present?	Yes UNO S		
, ,	es). 11										
Remarks:	**										
no hydric soil ir	ndicators										
HYDROLO											
Wetland Hydr									ators (two or more are required)		
Primary Indicat		is sufficien	:)						ed Leaves (B9)		
Surface W				Inundation V	isible on A	Aerial Image	ry (B7)		atterns (B10)		
	r Table (A2)			Sparsely Veg		ncave Surfac	ce (B8)		nizospheres along Living Roots (C3)		
Saturation	. ,			Marl Deposits	, ,				Reduced Iron (C4)		
Water Mar	. ,			Hydrogen Su				☐ Salt Deposit			
	Deposits (B2)			☐ Dry-Season \					Stressed Plants (D1)		
☐ Drift Depo				U Other (Explai	in in Rema	arks)			Position (D2)		
	or Crust (B4)							✓ Shallow Aqu	` '		
☐ Iron Depo	` '								raphic Relief (D4)		
	oil Cracks (B6)						1	✓ FAC-neutral	Test (D5)		
Field Observa		Vac (No •	Sandle (in also	`						
Surface Water				Depth (inche	:s):						
Water Table P		Yes 🤇	No 💿	Depth (inche	es):		Wetlai	nd Hydrology Present	:? Yes • No O		
Saturation Pre- (includes capill		Yes C	No 💿	Depth (inche	es):						
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
See See See											
Remarks:											

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