WETLAND DETERMINATION DATA FORM - Alaska Region

oject/Site: Susitna-Watana Hydroelectric Project	Во	orough/City:	Denali Bo	rough Sampling Date: 06-Aug-12		
oplicant/Owner: Alaska Energy Authority		Sampling Point: SW12_T16_01				
vestigator(s): SLI, KMK	L	_andform (hill:	side, terrac	e, hummocks etc.): Ridgetop		
ocal relief (concave, convex, none): convex		Slope: 17.6	% / 10.0			
ubregion : Interior Alaska Mountains	lat: 6	3.429593244	5	Long.: -148.585868312 Datum: WGS84		
bil Map Unit Name:	<u> </u>					
· ————————————————————————————————————) \/	No ○	NWI classification: Upland		
	nificantly turally pro	disturbed?	Are "N (If nee	(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○ ded, explain any answers in Remarks.) s, transects, important features, etc.		
Hydrophytic Vegetation Present? Yes ○ No ●						
Hydric Soil Present? Yes ○ No ●	Is the Sampled Area within a Wetland? Yes ○ No ●					
Wetland Hydrology Present? Yes ○ No ●						
Remarks: southern aspect near mountaintop.						
EGETATION - Use scientific names of plants. List	all spe	cies in the	plot.			
_	bsolute	Dominant	Indicator	Dominance Test worksheet: Number of Dominant Species		
Tree Stratum 9	6 Cover 0	Species?	Status	That are OBL, FACW, or FAC: (A)		
2.				Total Number of Dominant		
2				Species Across All Strata: 6 (B)		
4				Percent of dominant Species That Are OBL, FACW, or FAC:33.3% (A/E		
5.	0					
Total Cover:	0			Prevalence Index worksheet: Total % Cover of: Multiply by:		
Sapling/Shrub Stratum 50% of Total Cover: 0		of Total Cover:	0	0.00		
				OBL Species 0 x1 = 0 FACW Species 0 x2 = 0		
1. Dryas octopetala	35	✓	UPL	FAC Species 17 x 3 = 51		
Salix arctica Salix reticulata	15		FACU	FACU Species 18 x 4 = 72		
1	<u>10</u> 0		FAC	UPL Species 38 x 5 = 190		
_						
•				Column Totals:		
6. 7.	0	П		Prevalence Index = B/A = 4.288		
8	0			Hydrophytic Vegetation Indicators:		
9.	0			Dominance Test is > 50%		
10.	0			Prevalence Index is ≤3.0		
Total Cover: Herb Stratum 50% of Total Cover: 3	60 0 20%	of Total Cover	12	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
Antennaria friesiana		✓	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)		
2. Erigeron acris	1		FAC	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
3. Carex microchaeta	3	✓	FAC	be present, unless disturbed or problematic.		
4. Trisetum spicatum		✓	FAC	Plot size (radius, or length x width)		
5. Luzula arctica 6 Festuca ovina var. alaskensis	1		FAC UPL	% Cover of Wetland Bryophytes		
·	1		FACU	(Where applicable)		
Hedysarum alpinum Anthoxanthum monticola ssp. alpinum		✓	FACU	% Bare Ground 30		
Anthoxanthum monticola ssp. alpinum 9.			17.00	Total Cover of Bryophytes15		
10.	0			Herdersche die		
Total Cover:	13	_		Hydrophytic Vegetation		
		of Total Cover:		Present? Yes No •		

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SOIL Sampling Point: SW12_T16_01

		the depth ne	eded to docum	nent the indicator or co	nfirm the abs		cators)					
Depth (inches)	Color (moi	ist)	%	Color (moist)	%	Type ¹	_Loc_2	Texture	Remarks			
0-1								Fibric Organics				
1-10	7.5YR	3/3	50					Loam	50% angular gravels and cobbles. refusal a			
¹Type: C=Con		Depletion.	RM=Reduce	ed Matrix ² Location				nnel. M=Matrix				
Hydric Soil Ir	ndicators:			Indicators for Pr		4	oils:¹	_				
	Histel (A1)			Alaska Color Ch			L	Alaska Gleyed Without Ho Underlying Layer	ue 5Y or Redder			
Histic Epipe				Alaska Alpine s	-	•		, , ,	1			
	Sulfide (A4)			☐ Alaska Redox V	Nith 2.5Y F	lue	<u></u>	Other (Explain in Remark	S)			
_	Surface (A12)			³ One indicator of	hvdrophyt	ic vegetatio	on, one prin	nary indicator of wetland h	vdrology.			
Alaska Gley				and an appropriat					ydrolog ; ;			
Alaska Red	lox (A14) yed Pores (A15	5)		⁴ Give details of co	olor change	e in Remark	ks					
Restrictive Laye	er (if present):											
Type:								Hydric Soil Present	? Yes O No 💿			
Depth (inch	ies):											
HYDROLO	GY											
Wetland Hydr		tors:						Secondary India	cators (two or more are required)			
Primary Indicat	tors (any one is	s sufficient)					Water Stained Leaves (B9)				
Surface W	ater (A1)			☐ Inundation V	isible on A	erial Image	ery (B7)	• •				
High Wate	☐ High Water Table (A2) ☐ Sparsely Vegetated Concave Surface (B8)							Oxidized R	hizospheres along Living Roots (C3)			
Saturation	` '			Marl Deposits	s (B15)				f Reduced Iron (C4)			
Water Mar				Hydrogen Su	lfide Odor	(C1)		Salt Depos				
	Deposits (B2)			Dry-Season V					Stressed Plants (D1)			
☐ Drift Depo				U Other (Explai	in in Rema	rks)			ic Position (D2)			
	or Crust (B4)								uitard (D3)			
☐ Iron Depo									raphic Relief (D4)			
	oil Cracks (B6)							☐ FAC-neutra	l Test (D5)			
Field Observa Surface Water		Vac ()	No •	Donth (inche	1.							
			No •	Depth (inche	•		******	1 Harder Laws Ducces	·• v 0 v- 0			
Water Table P		_	_	Depth (inche	:s):		Wetia	nd Hydrology Presen	t? Yes O No 🖲			
Saturation Pre (includes capil		Yes 🔾	No 💿	Depth (inche	es):							
Describe Record	ded Data (strea	am gauge,	monitor well	l, aerial photos, prev	vious inspe	ction) if ava	ailable:					
Remarks:												
no wetland hyd	Iroloav indicato	ors										
.,												

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