WETLAND DETERMINATION DATA FORM - Alaska Region

rojec	et/Site: Susitna-Watana Hydroelectric Project	В	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 10-Jul-13							
Applic	ant/Owner: Alaska Energy Authority				Sampling Point: SW13_T127_02							
	igator(s): SLI, SCB	e, hummocks etc.): Knob										
	relief (concave, convex, none): flat	° Elevation: 127										
	gion : Southcentral Alaska		Slope: 62.943708706									
		Lat <u>(</u>	32.943700700	01								
	ap Unit Name:			<u> </u>	NWI classification: Upland							
Are \	Vegetation ☐ , Soil ☐ , or Hydrology ☐ MARY OF FINDINGS - Attach site map sho	significantly naturally pro wing sam	disturbed?	(If nee	(If no, explain in Remarks.) formal Circumstances" present? Yes No O ided, explain any answers in Remarks.) s, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes No lead to the Sampled Area												
	Hydric Soil Present? Yes No											
Wetland Hydrology Present? Yes No No within a Wetland? Yes No No Remarks: sdel on crest of small knob. photos of owl mound at crest.												
	ETATION - Use scientific names of plants. L	Absolute	Dominant	Indicator	Dominance Test worksheet: Number of Dominant Species							
1.	ee Stratum	<u>% Cover</u> 0	Species?	Status	That are OBL, FACW, or FAC:0(A)							
2.					Total Number of Dominant							
3.					Species Across All Strata: 2 (B)							
4.					Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)							
5.												
0.	Total Cover				Prevalence Index worksheet:							
Sai	pling/Shrub Stratum 50% of Total Cover:	0	Total % Cover of: Multiply by:									
Jaj	julig/ Sin ab Strattain		of Total Cover:		OBL Species 0 x1 = 0 FACW Species 0 x2 = 0							
	Dryas ajanensis	10	✓	UPL								
2.	Diapensia lapponica		✓	UPL	FAC Species 7 x 3 = 21 FACU Species 1.3 x 4 = 5.200							
3.	Salix rotundifolia			FAC								
4.	Vaccinium uliginosum	2		FACU								
5.	Cassiope tetragona	0.1		FACU	Column Totals: <u>29.4</u> (A) <u>131.7</u> (B)							
6.	Salix arctica	0.1		FACU	Prevalence Index = B/A =4.480_							
7.		0			II. dasahadia Varahadian Tadisahana							
9.					Hydrophytic Vegetation Indicators: Dominance Test is > 50%							
10.		0			Prevalence Index is ≤3.0							
10.	Total Cover											
He	rb Stratum 50% of Total Cover:		of Total Cover	: 5.44	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)							
1.	Oxytropis huddlesonii	1		UPL	Problematic Hydrophytic Vegetation ¹ (Explain)							
2.	Anthoxanthum monticola ssp. alpinum	1		UPL	¹ Indicators of hydric soil and wetland hydrology must							
3.	Campanula lasiocarpa	0.1		UPL	be present, unless disturbed or problematic.							
4.	Anemone narcissiflora	0.1		FACU	District (and its or leads to width)							
٦.					Plot size (radius, or length x width) % Cover of Wetland Bryophytes							
5.												
5.					(Where applicable)							
5. 6.		0			(where applicable) % Bare Ground _40							
5. 6. 7.		0			` '' '							
5. 6. 7. 8.		0 0			% Bare Ground40							
5. 6. 7. 8. 9.		0 0			% Bare Ground 40 Total Cover of Bryophytes 5 Hydrophytic							
5. 6. 7. 8. 9.		0 0 0 0 0		0.44	% Bare Ground 40 Total Cover of Bryophytes 5							

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SOIL Sampling Point: SW13_T127_02

Profile Descripti		he depth ne	eded to docum	ent the indicator or co	nfirm the ab		ators)				
(inches)	Color (moi	ist)	%	Color (moist)	%	Type ¹	_Loc_2	Texture	Remarks		
0-4	10YR	2/2	100					Hemic Organics			
4-11	10YR	3/2	20					Loam	80% ang-subang gravels-cobbles		
									oo /o ung subung graveis cobbies		
-							-				
	-		-		-						
¹Type: C=Cor		Depletion	RM=Reduce	d Matrix ² Location		_		annel. M=Matrix			
Hydric Soil I	ndicators:			Indicators for Pr	oblematio	Hydric So	oils: ³				
Histosol or	Histel (A1)			Alaska Color Cl							
Histic Epip	edon (A2)			Alaska Alpine swales (TA5) Underlying Layer							
Hydrogen	Sulfide (A4)			Alaska Redox V	Vith 2.5Y H	lue		Other (Explain in Remark	s)		
	Surface (A12)										
Alaska Gle				³ One indicator of	hydrophyt	ic vegetatio	n, one prin	mary indicator of wetland h	ydrology,		
Alaska Red	dox (A14)			and an appropriat	е тапиѕсар	e position i	nust be pre	esent			
	yed Pores (A15	5)		⁴ Give details of co	olor change	e in Remark	s				
Restrictive Laye	er (if present):										
Type:				F				Hydric Soil Present	? Yes O No 💿		
Depth (inch	nes):										
HYDROLO											
Wetland Hydi									cators (two or more are required)		
	tors (any one is	s sufficient	:)					Water Stained Leaves (B9)			
Surface Water (A1)				Inundation Visible on Aerial Imagery (B7)					atterns (B10)		
High Water Table (A2)				Sparsely Vegetated Concave Surface (B8)					hizospheres along Living Roots (C3)		
Saturation (A3)				Marl Deposits (B15)				_	f Reduced Iron (C4)		
Water Marks (B1)				Hydrogen Sulfide Odor (C1)				☐ Salt Depos			
Sediment Deposits (B2)				Dry-Season Water Table (C2)					Stressed Plants (D1)		
☐ Drift Depo		Uther (Explain in Remarks)					c Position (D2)				
	or Crust (B4)								uitard (D3)		
Iron Depo					_	raphic Relief (D4)					
Surface Se	oil Cracks (B6)						T	☐ FAC-neutra	l Test (D5)		
Field Observa	itions:		\ @								
Surface Water	Present?		No 💿	Depth (inche	s):						
Water Table P	resent?	Yes C	No 💿	Depth (inche	s):		Wetla	nd Hydrology Presen	t? Yes O No 🖲		
Saturation Pre		Yes C	No •	Depth (inche	es):						
		am gauge,	monitor well	, aerial photos, pre	vious inspe	ction) if ava	ailable:				
5 .											
Remarks:	logia en et e di entre										
no wetland hyd	irology indicato	irs									

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