WETLAND DETERMINATION DATA FORM - Alaska Region

Project	/Site: Susitna-Watana Hydroelectric Project	B	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 24-Aug-15
Applica	nt/Owner: Alaska Energy Authority				Sampling Point: SW15_T328_06
Investig	gator(s): SLI, TXC		Landform (hil	lside, terrac	e, hummocks etc.): Toeslope
Local re	elief (concave, convex, none): concave		Slope: 1.7	% / 1.0	° Elevation:
Subrea	ion : Cook Inlet Mountains	Lat.:			Long.: Datum: WGS84
•	p Unit Name:				NWI classification: PEM1F
	natic/hydrologic conditions on the site typical for thi	a tima af vaar	o Voc	● No ○	(If no, explain in Remarks.)
Are V	egetation , Soil , or Hydrology egetation , Soil , or Hydrology ### ARY OF FINDINGS - Attach site map sl	significantly naturally pr	y disturbed? oblematic?	Are "N (If nee	lormal Circumstances" present? Yes No Oeded, explain any answers in Remarks.)
			ipinig point	· locations	- Turiscoto, important routaros, etc.
			le	the Sam	pled Area
	,			ithin a W	
_		\circ	**	itiiiii a vv	Ctiana:
Rema	rks: small emergent subalpine wetland.				
VEGE	TATION -Use scientific names of plants	. List all spe	cies in the	plot.	Dominance Test worksheet:
	Stratum	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 5 (A)
1.					Total Number of Dominant
2.					Species Across All Strata:5(B)
3.					Percent of dominant Species
4.					That Are OBL, FACW, or FAC: 100.0% (A/B)
5.	Total Co				Prevalence Index worksheet:
Sanl	ling/Shrub Stratum 50% of Total Cover:		of Total Cover	: 0	Total % Cover of: Multiply by:
					OBL Species 30 x 1 = 30
	Betula nana	3	~	FAC	FAC Species 2.1 x 2 = 4.2
	Salix fuscescens	-	✓	FACW	FAC Species 5.1 x 3 = 15.3 FACU Species 0 x 4 = 0
3.	Vaccinium uliginosum	0.1	✓	FAC	FACU Species 0 x 4 = 0 UPL Species 0 x 5 = 0
4. 5.	Andromeda polifolia			FACW	· ——
6.				-	Column Totals: <u>37.2</u> (A) <u>49.5</u> (B)
7.		$ \frac{0}{0}$			Prevalence Index = B/A = 1.331
8.					Hydrophytic Vegetation Indicators:
9.					Dominance Test is > 50%
		0			✓ Prevalence Index is ≤3.0
	Total Cov b Stratum 50% of Total Cover:			r: <u>1.42</u>	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
1.	Eriophorum angustifolium		~	OBL	Problematic Hydrophytic Vegetation (Explain)
	Carex aquatilis		~	OBL	Indicators of hydric soil and wetland hydrology must
3.	Eriophorum scheuchzeri			OBL	be present, unless disturbed or problematic.
4.	Carex rotundata			OBL	Plot size (radius, or length x width) 10m
5.	Carex bigelowii			FAC	% Cover of Wetland Bryophytes
					(Where applicable)
					% Bare Ground 25
					Total Cover of Bryophytes
					Hydrophytic
10.	Total Cov		_		Vegetation
	50% of Total Cover:		of Total Cover	:6.02	Present? Yes • No O
Rem					
10.	Total Cov	0 ver: 30.1 15.05 20%			Hydrophytic Vegetation Present? Yes No

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SOIL Sampling Point: SW15_T328_06

Depth	1atrix		Re				-	
(inches) Color (mo	st)	<u> C</u>	olor (moist)	%	Type ¹	<u>Loc</u> 2	Texture	Remarks
0-6							Peat	Oi
6-9							Mucky Peat	
9-12							Muck	includes small amount of silt loam
12-15							Mucky Peat	
							-	_
		— —						_
		— —						
		— —						
Type: C=Concentration. D=	Depletion. RN				_		annel. M=Matrix	
ydric Soil Indicators:		In	dicators for Pi		4	oils: ³		
Histosol or Histel (A1)			Alaska Color C	hange (TA	4)		Alaska Gleyed Withou	t Hue 5Y or Redder
Histic Epipedon (A2)		L	Alaska Alpine s	swales (TA	5)		Underlying Layer	
Hydrogen Sulfide (A4)		L	Alaska Redox \	With 2.5Y H	lue		Other (Explain in Rem	arks)
Thick Dark Surface (A12)		3	O idit4					d bodoston.
Alaska Gleyed (A13)			one indicator of ind an appropria				nary indicator of wetlar esent	a nyarology,
Alaska Redox (A14)								
Alaska Gleyed Pores (A15)		Give details of c	olor chang	e in Kemark	S		
estrictive Layer (if present):								
Type:							Hydric Soil Prese	nt? Yes • No O
Type:							rryaric bon r resc	
Depth (inches): emarks: S when walking through co	mmunity. refu	usal at 15in, ı	rock.				nyune som rese	
Depth (inches):	mmunity. refu	usal at 15in, ı	rock.				Tryune 3011 Tese	
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