## WETLAND DETERMINATION DATA FORM - Alaska Region

	/Site: Susitna-Watana Hydroelectric Project	Во	orough/City:	Denali Bo	prough Sampling Date: 06-Aug-13
Applica	ant/Owner: Alaska Energy Authority				Sampling Point: SW13_T161_08
	gator(s): BAB	L	_andform (hill	side, terrac	ce, hummocks etc.): Swale
	relief (concave, convex, none): convex		Slope: 8.7		0 ° Elevation: 1253
	gion : Interior Alaska Mountains		3.333946857		Long.: -148.509576358 Datum: WGS84
		Lat0	03.333940007	0	
	p Unit Name:			No ○	NWI classification: Upland
Are V	regetation  , Soil  , or Hydrology  , or Hydrology  , Soil  , or Hydrology  , or Hydrology  , or Hydrology	significantly naturally pro wing sam	disturbed?	Are "N (If nee	No Ormal Circumstances" present? Yes No Oeded, explain any answers in Remarks.)
	Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No No				npled Area /etland? Yes ○ No ●
	Wetland Hydrology Present? Yes   No	)	WI	thin a W	etiand? Tes C No C
	erks:  ETATION -Use scientific names of plants. Li	st all spe	cies in the	plot.	
		Absolute	Dominant	Indicator	Dominance Test worksheet:
	e Stratum	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)
1.					Total Number of Dominant
2.					Species Across All Strata:5 (B)
3.					Percent of dominant Species That Are OBL, FACW, or FAC: 80.0% (A/B)
4. 5.					Mat Ale OBL, FACW, OF FAC. 80.076 (A/B)
5.	Total Cover	. 0			Prevalence Index worksheet:
Co.			of Total Cover:	0	Total % Cover of: Multiply by:
Sap	ling/Shrub Stratum 50% of Total Cover:	0 20% (	_	0	OBL Species 0 x 1 = 0
1.	Luetkea pectinata		<b>~</b>	UPL	FACW Species <u>18</u> x 2 = <u>36</u>
	Salix polaris	10	<b>✓</b>	FACW	FAC Species 17 x 3 = 51
3.					FACU Species 7 x 4 = 28
4.					UPL Species <u>25.1</u> x 5 = <u>125.5</u>
5.					Column Totals: <u>67.1</u> (A) <u>240.5</u> (B)
6.					Prevalence Index = B/A = 3.584
7.					
8.					Hydrophytic Vegetation Indicators:
9.					✓ Dominance Test is > 50%
10.	Total Cover	0			☐ Prevalence Index is ≤3.0
	<b>b Stratum</b> 50% of Total Cover:	17.5 20%	of Total Cover		□ Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)     □ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1. 2.	Carex podocarpa	8	<b>✓</b>	FACW	
,	Sanguisorba canadensis			FACU FACU	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	Artemisia norvegica				
3.	Artemisia norvegica				
3. 4.	Trisetum spicatum	2	<u> </u>	FAC FAC	Plot size (radius, or length x width)
3. 4. 5.	Tricotum enjectum	2	<u>✓</u>	FAC	% Cover of Wetland Bryophytes
3. 4.	Trisetum spicatum  Luzula parviflora  Campanula lasiocarpa	5 0.1		FAC	% Cover of Wetland Bryophytes (Where applicable)
3. 4. 5. 6.	Trisetum spicatum Luzula parviflora Campanula lasiocarpa	5 0.1		FAC	% Cover of Wetland Bryophytes (Where applicable) % Bare Ground 2
3. 4. 5. 6. 7.	Trisetum spicatum  Luzula parviflora  Campanula lasiocarpa  Sibbaldia procumbens	2 5 0.1 2		FAC UPL FACU	% Cover of Wetland Bryophytes (Where applicable) % Bare Ground 2
3. 4. 5. 6. 7.	Trisetum spicatum Luzula parviflora Campanula lasiocarpa Sibbaldia procumbens Sedum rosea	2 5 0.1 2 8		FAC UPL FACU FAC	% Cover of Wetland Bryophytes (Where applicable) % Bare Ground 2
3. 4. 5. 6. 7. 8. 9.	Trisetum spicatum Luzula parviflora Campanula lasiocarpa Sibbaldia procumbens Sedum rosea Festuca rubra Oxyria digyna Total Cover	2 5 0.1 2 8 0.1 1 32.2	✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  ✓  Of Total Cover:	FAC UPL FACU FAC FAC FAC	% Cover of Wetland Bryophytes (Where applicable) % Bare Ground 2 Total Cover of Bryophytes 20

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SOIL Sampling Point: SW13\_T161\_08

Геxture	Remarks
ganics	
	few semi ang gravel
and	lots of semi ang gravel
am	few semi ang gravel
	Ten semi ang grate.
	-
1atrix	
	lue 5Y or Redder
ng Layer	
xplain in Remar	KS)
ator of wetland h	hydrology
tor or wedana i	ryurology,
Soil Present	:? Yes O No 💿
Secondary Indi	icators (two or more are required)
	ined Leaves (B9)
	Patterns (B10)
	Rhizospheres along Living Roots (C3)
	of Reduced Iron (C4)
Salt Depos	
	r Stressed Plants (D1) nic Position (D2)
= .	quitard (D3)
	graphic Relief (D4)
✓ FAC-neutra	• ' '
- The heads	a. 1651 (25)
ology Preser	nt? Yes • No O
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