## WETLAND DETERMINATION DATA FORM - Alaska Region

Project	/Site: Susitna-Watana Hydroelectric Project	E	Borough/City:	Matanusk	a-Susitna Borough Sampling Date: 06-Jul-13
Applica	int/Owner: Alaska Energy Authority				Sampling Point: SW13_T103_04
Investi	gator(s): WAD, BAB		Landform (hill	side, terrac	e, hummocks etc.): Ridgetop
Local r	elief (concave, convex, none): hummocky		Slope: 8.7	% / 5.0	) ° Elevation: 808
Subred	ion : Interior Alaska Mountains	Lat.:	62.782902598	 3	Long.: -147.809318185 Datum: WGS84
_	p Unit Name:		0202002000		NWI classification: Upland
	natic/hydrologic conditions on the site typical for this ti	me of vea	r? Yes	● No ○	(If no, explain in Remarks.)
		-	ly disturbed?		Iormal Circumstances" present? Yes  No
		-	roblematic?		eded, explain any answers in Remarks.)
				·	
SUMI	MARY OF FINDINGS - Attach site map show		npling point	locations	s, transects, important features, etc.
	Hydrophytic Vegetation Present? Yes   No   No		le	tha Sam	pled Area
	Hydric Soil Present? Yes O No 🖲			thin a W	
	Wetland Hydrology Present? Yes O No		WI	uiiii a vv	etialia: 100 s no s
Rem	arks:				
VECE	TATION Has significant for a second of a landa 1	11	!! #1	l-+	
VEGE	<b>ETATION</b> -Use scientific names of plants. Li	st all spe	ecies in the	piot.	
		Absolute			Dominance Test worksheet:
	e Stratum	% Cover		Status	Number of Dominant Species That are OBL, FACW, or FAC:3 (A)
	Picea glauca	2	. 🔽	FACU	Total Number of Dominant
2. 3.			. 📙		Species Across All Strata: 4 (B)
4.		0	. 📙		Percent of dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)
5.					
	Total Cover				Prevalence Index worksheet:  Total % Cover of: Multiply by:
Sap	ling/Shrub Stratum 50% of Total Cover:		· 6 of Total Cover:	0.4	0.00
					OBL Species 0 x1 = 0 FACW Species 15.1 x2 = 30.20
1.	Betula nana	45		FAC FAC	FAC Species
2. 3.	Vaccinium uliginosum  Ledum decumbens		. 🔻	FACW	FACU Species 4.1 x 4 = 16.4
4.	Empetrum nigrum	8		FAC	UPL Species 0 x 5 = 0
5.	Vaccinium vitio idaca	3		FAC	
6.	Picea glauca	2		FACU	Column Totals: <u>96.3</u> (A) <u>277.9</u> (B)
	Spiraea stevenii	0.1		FACU	Prevalence Index = B/A = 2.886
8.		0			Hydrophytic Vegetation Indicators:
9.		0			✓ Dominance Test is > 50%
10.		0			✓ Prevalence Index is ≤3.0
	Total Cover				Morphological Adaptations <sup>1</sup> (Provide supporting data in
Her	b Stratum 50% of Total Cover:	46.55 209	_	18.62	Remarks or on a separate sheet)
1.	Carex bigelowii		. 💆	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
	Calamagrostis canadensis			FACIA	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Pedicularis labradorica	0.1	. 📙	FACU	be present, unless disturbed of problematic.
	Chamerion angustifolium	0.1	. 📙	FACU	Plot size (radius, or length x width)
					% Cover of Wetland Bryophytes
					23
		0			Hydrophytic
	Total Covers	1.3			Vegetation
	50% of Total Cover:(	0.65 20%	6 of Total Cover:	0.26	Present? Yes ● No ○
6. 7. 8. 9. 10.	Total Covers	0 0 0 0 0		0.26	(Where applicable)  % Bare Ground  Total Cover of Bryophytes  Hydrophytic Vegetation

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SOIL Sampling Point: SW13\_T103\_04

oils: <sup>3</sup>		Remarks  gh organic content  % rounded coarse fragments  5Y or Redder
oils: <sup>3</sup>	Silt Loam hi Sand 40 Loamy Sand  Loamy Sand  Alaska Gleyed Without Hue Underlying Layer Other (Explain in Remarks)	% rounded coarse fragments
oils: <sup>3</sup>	Sand 40  Loamy Sand  Innel. M=Matrix  Alaska Gleyed Without Hue Underlying Layer  Other (Explain in Remarks)	% rounded coarse fragments
oils: <sup>3</sup>	Loamy Sand  nnel. M=Matrix  Alaska Gleyed Without Hue Underlying Layer Other (Explain in Remarks)	
oils: <sup>3</sup>	Alaska Gleyed Without Hue Underlying Layer Other (Explain in Remarks)	5Y or Redder
oils: <sup>3</sup>	Alaska Gleyed Without Hue Underlying Layer Other (Explain in Remarks)	5Y or Redder
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	Underlying Layer Other (Explain in Remarks)	5Y or Redder
	Underlying Layer Other (Explain in Remarks)	SY or Redder
	Other (Explain in Remarks)	
n, one prima	ary indicator of wetland hydr	
		ology,
must be pres	sent	
ks		
	Hydric Soil Present?	Yes 🔾 No 💿
		ors (two or more are required)
	Water Stained	• •
ery (B7)	☐ Drainage Patt	
ce (B8)		ospheres along Living Roots (C3)
	Salt Deposits	educed Iron (C4)
		ressed Plants (D1)
	Geomorphic P	` '
		` '
	Shallow Aguita	phic Poliof (D4)
	<u> </u>	IIIIC KEIIEI (D4)
	☐ Shallow Aquit☐ Microtopograp☐ FAC-neutral To	
	Microtopograp	
	Microtopograp	
Wetland	Microtopograp	
Wetland	☐ Microtopograp ☐ FAC-neutral To	est (D5)
<b>Wetlan</b> d	☐ Microtopograp ☐ FAC-neutral To	est (D5)
	☐ Microtopograp ☐ FAC-neutral To	est (D5)
	☐ Microtopograp ☐ FAC-neutral To	est (D5)
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