WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	/Site: Susitna-Watana Hydroelectric Project	B	orough/City:	Matanusk	xa-Susitna Borough Sampling Date: 04-Jul-13	
Applica	int/Owner: Alaska Energy Authority				Sampling Point: SW13_T109_0	4
Investigator(s): JGK			Landform (hillside, terrace, hummocks etc.): Bench			
Local	elief (concave, convex, none): hummocky		Slope: 0.0	% / 0.0	° Elevation: 700	
Subred	ion : Interior Alaska Mountains	Lat.: (62.87168917	 25	Long.: -148.277405603 Datum: WGS8	34
	p Unit Name:	_	02.07.1000111		NWI classification: Upland	
	natic/hydrologic conditions on the site typical for th	is time of year'	2 Yes	● No ○	(If no, explain in Remarks.)	
	egetation . , Soil . , or Hydrology .		disturbed?		Iormal Circumstances" present? Yes No	
	egetation , Soil , or Hydrology	1			eded, explain any answers in Remarks.)	
SUMI	MARY OF FINDINGS - Attach site map s	howing sam	pling point	locations	s, transects, important features, etc.	
	, p,	\circ		4h - C	and disconnections	
	Hydric Soil Present? Yes ○ No	o			pled Area /etland? Yes ○ No ●	
	Wetland Hydrology Present? Yes O No	o •	W	ithin a W	etland? fes O No S	
Rem	arks: DUNN SITE 1395 SOIL 1396					
	MOOSE BROWSE ON ONE WILLOW					
	MOOSE SCAT					
VEGE	ETATION - Use scientific names of plants	. List 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: 3 (A))
1.	Picea glauca		~	FACU	Total Number of Dominant	,
2.		0			Species Across All Strata: 4 (B))
3.					Percent of dominant Species	(D)
4.					That Are OBL, FACW, or FAC: 75.0% (A	/B)
5.	Total Ca				Prevalence Index worksheet:	
C	Total Co		of Total Cover	. 0.3	Total % Cover of: Multiply by:	
Sap	ling/Shrub Stratum 50% of Total Cover:	0.5 20%	of Total Cover	: 0.2	OBL Species 0 x1 = 0	
1.	Betula nana	50	✓	FAC	FACW Species 15 x 2 = 30	
2.	Betula glandulosa			FAC	FACUS paging 112 x 3 = 336	
3.	Ledum decumbens			FACW	FACU Species 1 x4 = 4 UPL Species 0 x5 = 0	
4.	Vaccinium uliginosum			FAC		
5.	Vaccinium vitis-idaea			FAC	Column Totals: <u>128</u> (A) <u>370</u>	(B)
6. 7.	Ledum groenlandicum			FAC	Prevalence Index = B/A =	
8.		$ \frac{0}{0}$			Hudronbutic Vogotation Indicators	
					Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50%	
					✓ Prevalence Index is ≤3.0	
	Total Co	ver:			Morphological Adaptations ¹ (Provide supporting data	in
Her	b Stratum 50% of Total Cover:		of Total Cove	r: <u>24.4</u>	Remarks or on a separate sheet)	
1.	Cornus suecica	5	\checkmark	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)	
2.		0			¹ Indicators of hydric soil and wetland hydrology must	
					be present, unless disturbed or problematic.	
					Plot size (radius, or length x width) 10m	
5.					% Cover of Wetland Bryophytes 0	
		_			(Where applicable)	
					% Bare Ground5	
					Total Cover of Bryophytes 60	
10.	Total Co				Hydrophytic Vegetation	
	50% of Total Cover:		of Total Cover	: 1	Present? Yes • No	

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SOIL Sampling Point: SW13_T109_04

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