WETLAND DETERMINATION DATA FORM - Alaska Region

	/Site: Susitna-Watana Hydroelectric Project		Borough/City:	Denali Bo	rough Sampling Date: 31-Jul-13
Applica	int/Owner: Alaska Energy Authority				Sampling Point: SW13_T158_05
	gator(s): CTS, AMD		Landform (hill	side, terrac	e, hummocks etc.): Flat
Local	elief (concave, convex, none): concave		Slope:	% / 5.1	° Elevation: 730
Subred	ion : Interior Alaska Mountains	Lat ·	63.366497873	 7	Long.: -148.751351357 Datum: NAD83
	p Unit Name:		00.000+07070	· <u>··</u>	NWI classification: PSS1B
	natic/hydrologic conditions on the site typical for this t			● No ○	(If no, explain in Remarks.)
Are \	egetation, Soil, or Hydrology	significant naturally p	tly disturbed? problematic?	Are "N (If nee	lormal Circumstances" present? Yes No No deded, explain any answers in Remarks.)
	· · ·		Impling point	Todations	s, transcoto, important reatures, etc.
	(a)		Is	the Sam	pled Area
	Hydric Soil Present? Yes No			thin a W	
Rema	Wetland Hydrology Present? Yes No (<u>) </u>			
VEGI	ETATION -Use scientific names of plants. L				Dominance Test worksheet:
Tre	e Stratum	Absolute % Cove		Indicator Status	Number of Dominant Species
1.		0			That are OBL, FACW, or FAC:3(A)
2.		0			Total Number of Dominant Species Across All Strata: 3 (B)
3.		0			Percent of dominant Species
4.		0			That Are OBL, FACW, or FAC: 100.0% (A/B)
5.		0			Prevalence Index worksheet:
	Total Cove	r: <u>0</u>	_		Total % Cover of: Multiply by:
Sap	ling/Shrub Stratum 50% of Total Cover:	0 209	% of Total Cover:	0	OBL Species 52 x 1 = 52
1	Myrica gale	35	✓	OBL	FACW Species 6 x 2 = 12
	Betula nana	2		FAC	FAC Species 3 x 3 = 9
3.	Rhododendron tomentosum			FACW	FACU Species 0 x 4 = 0
4.	Empetrum nigrum			FAC	UPL Species 0 x 5 = 0
5.					Column Totals: <u>61</u> (A) <u>73</u> (B)
6.		•			
7.		0			Prevalence Index = B/A =1.197_
8.		0	_ 🖳		Hydrophytic Vegetation Indicators:
9.		0	_ 📙		✓ Dominance Test is > 50%
10.		0	_		✓ Prevalence Index is ≤3.0
Hei	Total Cove : 50% of Total Cover: _			7.8	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1.	Trichophorum alpinum	10	_	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
2.	Carex rariflora	4	_ 📙	OBL	¹ Indicators of hydric soil and wetland hydrology must
3.	Eriophorum russeolum		_	FACW	be present, unless disturbed or problematic.
4.	Eriophorum angustifolium	-	- 📙	OBL	Plot size (radius, or length x width)
5.	Carex limosa		- 📙	OBL	% Cover of Wetland Bryophytes
			- 📙		(Where applicable)
			- 📙		% Bare Ground
			- 🗒		Total Cover of Bryophytes5
			-		Undrankatia
I IU.	Total Cover				Hydrophytic Vegetation
1.	I ULDI COVE				Present? Yes • No •

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SOIL Sampling Point: SW13_T158_05

Depth	Mat	rix	Re	dox Features				
(inches)	Color (moist)		Color (moist)		Type ¹ L	<u>oc</u> 2	Texture	Remarks
0-3		100				Fil	oric Organics	
3-19		100				He	emic Organics	
	-		-					
1- 00			2					-
		pletion. RM=Rec	luced Matrix ² Location			ot Channe	I. M=Matrix	
Hydric Soil II			Indicators for P	4	ydric Soils:			
✓ Histosol or	` '		Alaska Color (aska Gleyed Without H Iderlying Layer	ue 5Y or Redder
Histic Epip			☐ Alaska Alpine	, ,			, . ,	·a)
_ ′ ັ	Sulfide (A4)			With 2.5Y Hue		Ot	her (Explain in Remark	(S)
\neg	Surface (A12)		3 One indicator of	f hydronhytic y	regetation or	e nrimarv	indicator of wetland h	vdrology
Alaska Gle			and an appropri					ydi ology,
Alaska Red	` ,		4 Give details of	color change in	n Remarks			
Alaska Gle	yed Pores (A15)		GIVE details of	color change in	- Nemano			
-	er (if present):							
						Hy	ydric Soil Present	? Yes 💿 No 🔾
Type:								
Type: Depth (inch	es):							
Depth (inch	es):							
Depth (inch	·							
Depth (inchesemarks:	·	·s:					_Secondary Indic	cators (two or more are required)
Depth (inchemarks: YDROLO Vetland Hydr	GY							cators (two or more are required) ned Leaves (B9)
Depth (inchemarks: YDROLO Vetland Hydr	GY rology Indicator tors (any one is s		☐ Inundation	Visible on Aeria	al Imagery (B	7)	Water Stair	
Pimary Indica Surface W High Wate	GY rology Indicator tors (any one is so 'ater (A1) er Table (A2)			Visible on Aeria getated Concav			Water Stain Drainage P	ned Leaves (B9)
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