WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project	B	Borough/City:	Matanuska-Susitna Borough	Sampling Date:	23-Aug-15
Applicant/Owner: Alaska Energy Authority			Sampli	ng Point:	SW15_T311_07
Investigator(s): SLI, ATH		Landform (hills	side, terrace, hummocks etc.):	Drainage	
Local relief (concave, convex, none): concave		Slope: 0.0	% / 0.0 ° Elevation:		
Subregion : Interior Alaska Mountains	Lat.:		Long.:		Datum: WGS84
Soil Map Unit Name:			NWI class	ification: PUBI	4
Are climatic/hydrologic conditions on the site typical for this to Are Vegetation □ , Soil □ , or Hydrology □ Are Vegetation ✓ , Soil ✓ , or Hydrology □	,	y disturbed?	 No (If no, explain ir Are "Normal Circumstances" (If needed, explain any answ 	'present? Ye	s
SUMMARY OF FINDINGS - Attach site map sho	wing sam	npling point	locations, transects, impor	tant features	, etc.
Lindramita Manastatian Drasanto - Man 🕢 Ma)				

Hydrophytic Vegetation Present?	Yes 🖲	Νο Ο		
Hydric Soil Present?	Yes 🖲	Νο Ο	Is the Sampled Area	
Wetland Hydrology Present?	Yes 🖲	No 🔿	within a Wetland?	Yes 🔍 No 🔾
Remarks [.]				

emarks:

VEGETATION - Use scientific names of plants. List all species in the plot.

	۸he	olute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum		Cover	Species?	Status	Number of Dominant Species
1.	-	0			That are OBL, FACW, or FAC: (A)
2.		0			Total Number of Dominant Species Across All Strata: 0 (B)
3.		0			
4		0			Percent of dominant Species That Are OBL, FACW, or FAC: 0,0% (A/B)
F		0			
5Total Cover					Prevalence Index worksheet:
Sapling/Shrub Stratum 50% of Total Cover:			of Total Cover	0	Total % Cover of: Multiply by:
Saping/Shrub Stratum	0	_ 20/0 C			OBL Species 0.2 x 1 = 0.2
1		0			FACW Species $0 x 2 = 0$
2		0			FAC Species x 3 =
3.		0			FACU Species <u>0</u> x 4 = <u>0</u>
4.		0			UPL Species x 5 =
5.		0			Column Totals: <u>0.2</u> (A) <u>0.200</u> (B)
6		0			
7		0			Prevalence Index = B/A = <u>1.000</u>
8		0			Hydrophytic Vegetation Indicators:
9		0			Dominance Test is > 50%
10		0			✓ Prevalence Index is ≤3.0
Total Cover		0			Morphological Adaptations (Provide supporting data in
Herb Stratum 50% of Total Cover:	0	20%	of Total Cover:	0	Remarks or on a separate sheet)
1. Nuphar polysepala		0.1		OBL	Problematic Hydrophytic Vegetation (Explain)
2. Utricularia minor	-	0.1		OBL	¹ Indicators of hydric soil and wetland hydrology must
3	_	0			be present, unless disturbed or problematic.
4	_	0			Plot size (radius, or length x width) 5m
5		0			% Cover of Wetland Bryophytes
6		0			(Where applicable)
7		0			% Bare Ground
8		0			Total Cover of Bryophytes 0
9		0			
10.		0			Hydrophytic
Total Cover		0.2			Vegetation
50% of Total Cover:	0.1	_ 20% c	of Total Cover:	0.04	Present? Yes \bullet No \bigcirc
Remarks: Unvegetated pond.					

SOIL

Indicators % Color (moist) % Type! Loc 2 Taxture Remarks. Image: State of the sta		Matrix		Re	dox Featur	es	ators)		
Hydric Soil Indicators: Indicators for Problematic Hydric Soils? Histosol or Histel (A1) Alaska Color Change (TA4) Alaska Gleyed Without Hue SY or Redder Underlying Layer Hydrogen Sulfide (A4) Alaska Alpine swales (TA5) Underlying Layer Hydrogen Sulfide (A4) Alaska Redox With 2.SY Hue Other (Explain in Remarks) Alaska Gleyed (A13) alaska Redox (A14) Alaska Redox (A14) Alaska Gleyed Pores (A15) 4 Give details of color change in Remarks Restrictive Layer (If present): Type: Hydric Soil Present? Yes Imark (B10) Depth (Inches): Personnel is sufficient) Hydrice Board (C12) Wetland Hydrology Indicators: Secondary Indicators (Iwo or more are reference on the sufficient) Water Marks (B1) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) High Water Table (A2) Sparsely Vegetated Concree Surface (B8) Oxditeed Rhizospheres along Living I Guere Marks (B1) Hydrogen Sulfide Odor (C1) Salt Deposits (C5) Surface Water (A1) Guere Marks (B1) Hydrogen Sulfide Odor (C1) Salt Deposits (C5) Surface Nater or Stressed Plants (D1) Orth Deposits (B2) Dry-Season Water Table (C2) Stunted or Stressed Plants (D1) Hydrogen Sulfide Odor (C1)	Depth (inches) Color (mo	ist)	%	Color (moist)	%	Type ¹	Loc 2	Texture	Remarks
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