WETLAND DETERMINATION DATA FORM - Alaska Region

roject/	Site: Susitna-Watana Hyd	Iroelectric Project	B	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 04-Jul-13
pplica	nt/Owner: Alaska Energy /	Authority				Sampling Point: SW13_T137_04
	ator(s): WAD, BAB			Landform (hill	side, terrac	e, hummocks etc.): Pothole
ocal re	elief (concave, convex, none)	: concave		Slope: 0.0	% / 0.0	° Elevation: 1000
ıbreai	on: Southcentral Alaska		Lat.:	62.830001703		Long.: -148.879661265 Datum: WGS84
_	Unit Name:		_	02.000000		NWI classification: PUBH
	natic/hydrologic conditions or	the site tunical for this t	ima of voor	2 Vac	No ○	(If no, explain in Remarks.)
Are Ve	egetation , Soil egetation , Soil .	, or Hydrology	significantly	y disturbed?	Are "N	lormal Circumstances" present? Yes No O
					·	
JMN	IARY OF FINDINGS -	Attach site map sho	wing sam	npling point	locations	s, transects, important features, etc.
	Hydrophytic Vegetation Pres	ent? Yes 💿 No 🤇			41 0	mlad Ansa
	Hydric Soil Present?	Yes No				pled Area fetland? Yes ◉ No ◯
,	Wetland Hydrology Present?	Yes No		W	thin a W	etland? fes @ No C
Rema	arks: subalpine tarn					
· Cilic	992, 993 photo num. 1	439 photo time				
	, ,	<u>'</u>				
EGE	TATION - Use scientific	names of plants. L	ist all spe	cies in the	plot.	
			Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree	Stratum		% Cover	Species?	Status	Number of Dominant Species
1.			0			That are OBL, FACW, or FAC:0 (A)
2.			0			Total Number of Dominant Species Across All Strata: (B)
3.			^			Percent of dominant Species
4.			0			That Are OBL, FACW, or FAC: 0.0% (A/B)
5.			0			Prevalence Index worksheet:
		Total Cove	r:0			Total % Cover of: Multiply by:
Sapl	ing/Shrub Stratum	50% of Total Cover:	0 20%	of Total Cover	0	OBL Species 0 x 1 = 0
1.			0			FACW Species 0 x 2 = 0
2.						FAC Species 0 x 3 = 0
3.						FACU Species 0 x 4 = 0
4.			_			UPL Species 0 x 5 = 0
5.						Column Totals: 0 (A) 0 (B)
6.						
7.						Prevalence Index = B/A =
8.						Hydrophytic Vegetation Indicators:
9.			0			Dominance Test is > 50%
			0			Prevalence Index is ≤3.0
	Stratum	Total Cove 50% of Total Cover:		6 of Total Cover	: 0	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1.			0_			✓ Problematic Hydrophytic Vegetation ¹ (Explain)
						¹ Indicators of hydric soil and wetland hydrology must
						be present, unless disturbed or problematic.
						Plot size (radius, or length x width) 10m
						% Cover of Wetland Bryophytes
6.						(Where applicable)
						% Bare Ground
			_			Total Cover of Bryophytes
10.						Hydrophytic
		Total Cover 50% of Total Cover:		-f.T-+-! C		Vegetation Present? Yes ● No ○

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SOIL Sampling Point: SW13_T137_04 Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) **Redox Features** Depth <u>Loc</u> 2 (inches) Color (moist) Color (moist) Type ¹ ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix ² Location: PL=Pore Lining, RC=Root Channel, M=Matrix Indicators for Problematic Hydric Soils: **Hydric Soil Indicators:** Histosol or Histel (A1) Alaska Color Change (TA4) ☐ Alaska Gleyed Without Hue 5Y or Redder Underlying Layer Alaska Alpine swales (TA5) Histic Epipedon (A2) Alaska Redox With 2.5Y Hue ✓ Other (Explain in Remarks) Hydrogen Sulfide (A4) Thick Dark Surface (A12) ³ One indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, Alaska Gleved (A13) and an appropriate landscape position must be present Alaska Redox (A14) ⁴ Give details of color change in Remarks Alaska Gleyed Pores (A15) Restrictive Layer (if present): Yes ● No ○ Type: **Hydric Soil Present?** Depth (inches): Remarks: pond, assume hydric soil. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (two or more are required) Primary Indicators (any one is sufficient) Water Stained Leaves (B9) ✓ Surface Water (A1) Drainage Patterns (B10) ☐ Inundation Visible on Aerial Imagery (B7) High Water Table (A2) Oxidized Rhizospheres along Living Roots (C3) Sparsely Vegetated Concave Surface (B8) Saturation (A3) Presence of Reduced Iron (C4) Marl Deposits (B15) Water Marks (B1) Salt Deposits (C5) ☐ Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Dry-Season Water Table (C2) Stunted or Stressed Plants (D1) Drift Deposits (B3) Other (Explain in Remarks) Geomorphic Position (D2) Algal Mat or Crust (B4) Shallow Aquitard (D3) Iron Deposits (B5) Microtopographic Relief (D4) Surface Soil Cracks (B6) FAC-neutral Test (D5) Field Observations: Yes ● No ○ Surface Water Present? Depth (inches): 40 Yes O No • Yes ● No ○ Water Table Present? Wetland Hydrology Present? Depth (inches): Saturation Present? Yes ○ No ● Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:

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Remarks:

small inlet and outlet r3ubh streams. Shallow water