WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 0	3-Aug-13	
	_T173_02	
Investigator(s): BAB Landform (hillside, terrace, hummocks etc.): Hillside	- - -	
Local relief (concave, convex, none): convex Slope: % / 17.0 ° Elevation: 120		
	n: NAD83	
	1. 1.000	
Soil Map Unit Name: NWI classification: Upland Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no. explain in Remarks.)		
Are climatic/hydrologic conditions on the site typical for this time of year? Are Vegetation , Soil , or Hydrology significantly disturbed? Are Vegetation , Soil , or Hydrology naturally problematic? Are Vegetation , Soil , or Hydrology naturally problematic? Are "Normal Circumstances" present? Yes (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.	No O	
Hydrophytic Vegetation Present? Yes ○ No ●		
Undete Sell Presents Ves No. Is the Sampled Area		
Wetland Hydrology Present? Yes No Wetland? Yes No Wetland?		
Remarks:		
VEGETATION - Use scientific names of plants. List all species in the plot. Absolute	(A)	
1 Total Number of Dominant		
2 O Species Across All Strata:	(B)	
3 Percent of dominant Species	(A/D)	
4 That Are OBL, FACW, or FAC:0.09	6 (A/B)	
5		
Total Cover: 0 Total % Cover of: Multiply by: Sapling/Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0 OBL Species 0 x 1 =		
	0	
1. Vaccinium uliginosum		
	0.600	
	1.200	
	1.500	
	3.300 (B)	
6 0	5_	
7		
8 O Hydrophytic Vegetation Indicators: 9. O Dominance Test is > 50%		
9		
Total Cover: 0.1 Morphological Adaptations ¹ (Provide support		
Herb Stratum 50% of Total Cover: 0.05 20% of Total Cover: 0.02 Remarks or on a separate sheet)	orting data in	
1. Anthoxanthum monticola ssp. alpinum 0.1 UPL Problematic Hydrophytic Vegetation (Expl	ain)	
2. Arnica lessingii 0.1 UPL ¹ Indicators of hydric soil and wetland hydrology	must	
3. Carex podocarpa 0.1 FAC be present, unless disturbed or problematic.		
4. Anemone parviflora O.1 Plot size (radius, or length x width) 10r	n	
5. Poa glauca UPL Wetland Bryophytes	<u> </u>	
6. Antennaria alpina O.1 FACU (Where applicable)		
9		
10 0 Hydrophytic		
Total Cover: 0.80 Vegetation 50% of Total Cover: 0.400 20% of Total Cover: 0.160 Present? Yes No •		
50% of Total Cover: 0.400 20% of Total Cover: 0.160 Present? Yes V No		

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SOIL Sampling Point: SW13_T173_02 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:³ **Hydric Soil Indicators:** Alaska Gleyed Without Hue 5Y or Redder Histosol or Histel (A1) Alaska Color Change (TA4) **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 Gleyed (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: no hydric soil indicators observed. no pit in talus field

Wetland Hydrology Indicators:		
Primary Indicators (any one is sufficient)		
☐ Surface Water (A1) ☐ Inundation Visible on Aerial Imagery (B7)		
Sparsely Vegetated Concave Surface	e (B8) Oxidized Rhizospheres along Living Roots (C3)	
Marl Deposits (B15)	Presence of Reduced Iron (C4)	
Hydrogen Sulfide Odor (C1)	Salt Deposits (C5)	
Dry-Season Water Table (C2)	Stunted or Stressed Plants (D1)	
Other (Explain in Remarks)	Geomorphic Position (D2)	
	Shallow Aquitard (D3)	
	☐ Microtopographic Relief (D4)	
	FAC-neutral Test (D5)	
Field Observations:		
Depth (inches):		
Depth (inches):	Wetland Hydrology Present? Yes ○ No •	
Depth (inches):		
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:		
Remarks:		
no wetland hydrology indicators observed		
The Wedalia Hydrology indicators observed		
	Sparsely Vegetated Concave Surface Marl Deposits (B15) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Other (Explain in Remarks) Depth (inches): Depth (inches):	

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