

**WETLAND DETERMINATION DATA FORM - Alaska Region**

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Denali Borough Sampling Date: 08-Aug-13  
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13\_T169\_02  
 Investigator(s): BAB Landform (hillside, terrace, hummocks etc.): lacustrine fringe  
 Local relief (concave, convex, none): concave Slope: % / 8.2 ° Elevation: 822  
 Subregion: Interior Alaska Mountains Lat.: 63.4179416576 Long.: -148.645555973 Datum: NAD83  
 Soil Map Unit Name: \_\_\_\_\_ NWI classification: PEM1F

Are climatic/hydrologic conditions on the site typical for this time of year? Yes  No  (If no, explain in Remarks.)  
 Are Vegetation , Soil , or Hydrology  significantly disturbed? Are "Normal Circumstances" present? Yes  No   
 Are Vegetation , Soil , or Hydrology  naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS** - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/> Hydric Soil Present? Yes <input checked="" type="radio"/> No <input type="radio"/> Wetland Hydrology Present? Yes <input checked="" type="radio"/> No <input type="radio"/>	<p align="center"><b>Is the Sampled Area within a Wetland?</b></p> Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks: fringe around entire pubh, floating mat	

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

	Absolute % Cover	Dominant Species?	Indicator Status	
<b>Tree Stratum</b>				
1. _____	0	<input type="checkbox"/>		
2. _____	0	<input type="checkbox"/>		
3. _____	0	<input type="checkbox"/>		
4. _____	0	<input type="checkbox"/>		
5. _____	0	<input type="checkbox"/>		
<b>Total Cover:</b>		0		
<b>Sapling/Shrub Stratum</b>				
	50% of Total Cover: 0	20% of Total Cover: 0		
1. <u>Vaccinium uliginosum</u>	1	<input type="checkbox"/>	FAC	
2. <u>Andromeda polifolia (IAM)</u>	1	<input type="checkbox"/>	OBL	
3. <u>Vaccinium oxycoccos</u>	0.1	<input type="checkbox"/>	OBL	
4. _____	0	<input type="checkbox"/>		
5. _____	0	<input type="checkbox"/>		
6. _____	0	<input type="checkbox"/>		
7. _____	0	<input type="checkbox"/>		
8. _____	0	<input type="checkbox"/>		
9. _____	0	<input type="checkbox"/>		
10. _____	0	<input type="checkbox"/>		
<b>Total Cover:</b>		2.1		
	50% of Total Cover: 1.05	20% of Total Cover: 0.42		
<b>Herb Stratum</b>				
1. <u>Carex aquatilis</u>	7	<input checked="" type="checkbox"/>	OBL	
2. <u>Trichophorum caespitosum</u>	6	<input checked="" type="checkbox"/>	OBL	
3. <u>Eriophorum angustifolium</u>	5	<input checked="" type="checkbox"/>	OBL	
4. <u>Menyanthes trifoliata</u>	2	<input type="checkbox"/>	OBL	
5. <u>Eriophorum scheuchzeri</u>	2	<input type="checkbox"/>	OBL	
6. <u>Equisetum arvense</u>	1	<input type="checkbox"/>	FAC	
7. <u>Carex limosa</u>	0.1	<input type="checkbox"/>	OBL	
8. _____	0	<input type="checkbox"/>		
9. _____	0	<input type="checkbox"/>		
10. _____	0	<input type="checkbox"/>		
<b>Total Cover:</b>		23.1		
	50% of Total Cover: 11.55	20% of Total Cover: 4.62		

**Dominance Test worksheet:**  
 Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)  
 Total Number of Dominant Species Across All Strata: 3 (B)  
 Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

**Prevalence Index worksheet:**  
 Total % Cover of: Multiply by:  
 OBL Species 23.2 x 1 = 23.2  
 FACW Species 0 x 2 = 0  
 FAC Species 2 x 3 = 6  
 FACU Species 0 x 4 = 0  
 UPL Species 0 x 5 = 0  
 Column Totals: 25.2 (A) 29.20 (B)  
 Prevalence Index = B/A = 1.159

**Hydrophytic Vegetation Indicators:**  
 Dominance Test is > 50%  
 Prevalence Index is ≤ 3.0  
 Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
 Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup> 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 (Where applicable) 15  
 % Bare Ground 20  
 Total Cover of Bryophytes 20

**Hydrophytic Vegetation Present?** Yes  No

Remarks: wet bryophytes scosco, sphag. total shrub cover <5%, thus no shrub species dominant.

