

**WETLAND DETERMINATION DATA FORM - Alaska Region**

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 02-Aug-13  
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13\_T177\_11  
 Investigator(s): BAB Landform (hillside, terrace, hummocks etc.): pond  
 Local relief (concave, convex, none): concave Slope: % / 10.3 ° Elevation: 101  
 Subregion: Interior Alaska Mountains Lat.: 63.0776741985 Long.: -148.101534101 Datum: NAD83  
 Soil Map Unit Name: \_\_\_\_\_ NWI classification: PUBH

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"/><br>Hydric Soil Present? Yes <input checked="" type="radio"/> No <input type="radio"/><br>Wetland Hydrology Present? Yes <input checked="" type="radio"/> No <input type="radio"/> | <b>Is the Sampled Area within a Wetland?</b><br>Yes <input checked="" type="radio"/> No <input type="radio"/> |
| Remarks: _____  |   |

**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. _____                     | 0                     | <input type="checkbox"/> | _____            |  |
| 2. _____                     | 0                     | <input type="checkbox"/> | _____            |  |
| 3. _____                     | 0                     | <input type="checkbox"/> | _____            |  |
| 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>          | 0                     |                          |                  |  |
| <b>Herb Stratum</b>          | 50% of Total Cover: 0 | 20% of Total Cover: 0    |                  |  |
| 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"/> | _____            |  |
| 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>          | 0                     |                          |                  |  |
| 50% of Total Cover:          | 0                     | 20% of Total Cover:      | 0                |  |

**Dominance Test worksheet:**  
 Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)  
 Total Number of Dominant Species Across All Strata: 0 (B)  
 Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

**Prevalence Index worksheet:**  
 Total % Cover of: Multiply by:  
 OBL Species 0 x 1 = 0  
 FACW Species 0 x 2 = 0  
 FAC Species 0 x 3 = 0  
 FACU Species 0 x 4 = 0  
 UPL Species 0 x 5 = 0  
 Column Totals: 0 (A) 0 (B)  
 Prevalence Index = B/A = 1.000

**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) \_\_\_\_\_  
 % Bare Ground \_\_\_\_\_  
 Total Cover of Bryophytes \_\_\_\_\_

**Hydrophytic Vegetation Present?** Yes  No

Remarks: unvegetated pond. 1% caraqu

