

**WETLAND DETERMINATION DATA FORM - Alaska Region**

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Denali Borough Sampling Date: 02-Aug-13  
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13\_T149\_03  
 Investigator(s): SLI, EAC Landform (hillside, terrace, hummocks etc.): Valley bottom  
 Local relief (concave, convex, none): concave Slope: 0.0 % / 0.0 ° Elevation: 663  
 Subregion: Interior Alaska Mountains Lat.: 63.384999633 Long.: -148.487528801 Datum: WGS84  
 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: characterizing small shallow pond. numerous grayling (3-5in length). hgws1 PEM1E fringe, as at SW13-T149-02. PUBH or PUBHh?  |   |

**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"/>            | _____                        | <b>Dominance Test worksheet:</b><br>Number of Dominant Species That are OBL, FACW, or FAC: <u>1</u> (A)<br>Total Number of Dominant Species Across All Strata: <u>1</u> (B)<br>Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)   |
| 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>Prevalence Index worksheet:</b><br>Total % Cover of: Multiply by:<br>OBL Species <u>18.1</u> x 1 = <u>18.1</u><br>FACW Species <u>0</u> x 2 = <u>0</u><br>FAC Species <u>0</u> x 3 = <u>0</u><br>FACU Species <u>0</u> x 4 = <u>0</u><br>UPL Species <u>0</u> x 5 = <u>0</u><br>Column Totals: <u>18.1</u> (A) <u>18.10</u> (B)<br>Prevalence Index = B/A = <u>1.000</u>                    |
| <b>Sapling/Shrub Stratum</b>    |                  | 50% of Total Cover: <u>0</u>        | 20% of Total Cover: <u>0</u> |  |
| 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: <u>0</u>        | 20% of Total Cover: <u>0</u> | <b>Hydrophytic Vegetation Indicators:</b><br><input checked="" type="checkbox"/> Dominance Test is > 50%<br><input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0<br><input type="checkbox"/> Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)<br><input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) |
| 1. <u>Equisetum fluviatile</u>  | 3                | <input type="checkbox"/>            | OBL                          |  |
| 2. <u>Sparganium natans</u>     | 15               | <input checked="" type="checkbox"/> | OBL                          |  |
| 3. <u>Hippuris vulgaris</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>             |                  | 18.1                                |                              |  |
| 50% of Total Cover: <u>9.05</u> |                  | 20% of Total Cover: <u>3.62</u>     |                              |  |

<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 99  
 Total Cover of Bryophytes \_\_\_\_\_

**Hydrophytic Vegetation Present?** Yes  No

Remarks:

