

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 03-Jul-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T121_07
 Investigator(s): JGK Landform (hillside, terrace, hummocks etc.): Flat
 Local relief (concave, convex, none): hummocky Slope: 0.0 % / 0.0 ° Elevation: 258
 Subregion: Southcentral Alaska Lat.: 62.807470441 Long.: -149.575167894 Datum: WGS84
 Soil Map Unit Name: _____ **NWI classification: PEM1E**

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"/> | Is the Sampled Area within a Wetland? Yes <input checked="" type="radio"/> No <input type="radio"/> |
| Remarks: <u>DUNN SITE 1379</u> | |

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

| <u>Tree Stratum</u> | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: |
|------------------------------------|----------------------------------|-------------------------------------|------------------|---|
| 1. _____ | 0 | <input type="checkbox"/> | _____ | Number of Dominant Species That are OBL, FACW, or FAC: <u>5</u> (A) |
| 2. _____ | 0 | <input type="checkbox"/> | _____ | Total Number of Dominant Species Across All Strata: <u>5</u> (B) |
| 3. _____ | 0 | <input type="checkbox"/> | _____ | Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B) |
| 4. _____ | 0 | <input type="checkbox"/> | _____ | |
| 5. _____ | 0 | <input type="checkbox"/> | _____ | |
| Total Cover: <u>0</u> | | | | |
| <u>Sapling/Shrub Stratum</u> | 50% of Total Cover: <u>0</u> | 20% of Total Cover: <u>0</u> | | Prevalence Index worksheet: |
| 1. <u>Picea mariana</u> | 1 | <input type="checkbox"/> | FACW | Total % Cover of: Multiply by: |
| 2. <u>Andromeda polifolia</u> | 5 | <input checked="" type="checkbox"/> | FACW | OBL Species <u>63.1</u> x 1 = <u>63.1</u> |
| 3. <u>Betula nana</u> | 10 | <input checked="" type="checkbox"/> | FAC | FACW Species <u>8</u> x 2 = <u>16</u> |
| 4. <u>Vaccinium oxycoccos</u> | 1 | <input type="checkbox"/> | OBL | FAC Species <u>12</u> x 3 = <u>36</u> |
| 5. <u>Vaccinium uliginosum</u> | 2 | <input type="checkbox"/> | FAC | FACU Species <u>0</u> x 4 = <u>0</u> |
| 6. <u>Ledum decumbens</u> | 2 | <input type="checkbox"/> | FACW | UPL Species <u>0</u> x 5 = <u>0</u> |
| 7. _____ | 0 | <input type="checkbox"/> | _____ | Column Totals: <u>83.1</u> (A) <u>115.1</u> (B) |
| 8. _____ | 0 | <input type="checkbox"/> | _____ | Prevalence Index = B/A = <u>1.385</u> |
| 9. _____ | 0 | <input type="checkbox"/> | _____ | |
| 10. _____ | 0 | <input type="checkbox"/> | _____ | |
| Total Cover: <u>21</u> | | | | Hydrophytic Vegetation Indicators: |
| <u>Herb Stratum</u> | 50% of Total Cover: <u>10.5</u> | 20% of Total Cover: <u>4.2</u> | | <input checked="" type="checkbox"/> Dominance Test is > 50% |
| 1. <u>Eriophorum angustifolium</u> | 15 | <input checked="" type="checkbox"/> | OBL | <input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0 |
| 2. <u>Carex rariflora</u> | 30 | <input checked="" type="checkbox"/> | OBL | <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 3. <u>Carex rotundata</u> | 15 | <input checked="" type="checkbox"/> | OBL | <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) |
| 4. <u>Drosera anglica</u> | 2 | <input type="checkbox"/> | OBL | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 5. <u>Scheuchzeria palustris</u> | 0.1 | <input type="checkbox"/> | OBL | Plot size (radius, or length x width) <u>10m</u> |
| 6. _____ | 0 | <input type="checkbox"/> | _____ | % Cover of Wetland Bryophytes (Where applicable) <u>60</u> |
| 7. _____ | 0 | <input type="checkbox"/> | _____ | % Bare Ground <u>0</u> |
| 8. _____ | 0 | <input type="checkbox"/> | _____ | Total Cover of Bryophytes <u>5</u> |
| 9. _____ | 0 | <input type="checkbox"/> | _____ | |
| 10. _____ | 0 | <input type="checkbox"/> | _____ | |
| Total Cover: <u>62.1</u> | | | | Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/> |
| 50% of Total Cover: <u>31.05</u> | 20% of Total Cover: <u>12.42</u> | | | |
| Remarks: | | | | |

