

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 11-Jul-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: **SW13_T139_07**
 Investigator(s): WAD, BAB Landform (hillside, terrace, hummocks etc.): trough
 Local relief (concave, convex, none): concave Slope: 1.7 % / 1.0 ° Elevation: 414
 Subregion: Southcentral Alaska Lat.: 62.820063233 Long.: -149.617531776 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"/> 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: pond at base of string bog. bog slopes in from west and stream flows in from the east. photo num 1285, 1286. photo time 1100 | |

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>4</u> (A) |
| 2. _____ | 0 | <input type="checkbox"/> | _____ | Total Number of Dominant Species Across All Strata: <u>4</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>Myrica gale</u> | 3 | <input checked="" type="checkbox"/> | OBL | Total % Cover of: Multiply by: |
| 2. _____ | 0 | <input type="checkbox"/> | _____ | OBL Species <u>8</u> x 1 = <u>8</u> |
| 3. _____ | 0 | <input type="checkbox"/> | _____ | FACW Species <u>0</u> x 2 = <u>0</u> |
| 4. _____ | 0 | <input type="checkbox"/> | _____ | FAC Species <u>0</u> x 3 = <u>0</u> |
| 5. _____ | 0 | <input type="checkbox"/> | _____ | FACU Species <u>0</u> x 4 = <u>0</u> |
| 6. _____ | 0 | <input type="checkbox"/> | _____ | UPL Species <u>0</u> x 5 = <u>0</u> |
| 7. _____ | 0 | <input type="checkbox"/> | _____ | Column Totals: <u>8</u> (A) <u>8</u> (B) |
| 8. _____ | 0 | <input type="checkbox"/> | _____ | Prevalence Index = B/A = <u>1.000</u> |
| 9. _____ | 0 | <input type="checkbox"/> | _____ | |
| 10. _____ | 0 | <input type="checkbox"/> | _____ | |
| Total Cover: <u>3</u> | | | | Hydrophytic Vegetation Indicators: |
| <u>Herb Stratum</u> | 50% of Total Cover: <u>1.5</u> | 20% of Total Cover: <u>0.6</u> | | <input checked="" type="checkbox"/> Dominance Test is > 50% |
| 1. <u>Menyanthes trifoliata</u> | 3 | <input checked="" type="checkbox"/> | OBL | <input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0 |
| 2. <u>Nuphar luteum</u> | 1 | <input checked="" type="checkbox"/> | OBL | <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 3. <u>Carex aquatilis</u> | 1 | <input checked="" type="checkbox"/> | OBL | <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) |
| 4. _____ | 0 | <input type="checkbox"/> | _____ | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 5. _____ | 0 | <input type="checkbox"/> | _____ | Plot size (radius, or length x width) <u>10m</u> |
| 6. _____ | 0 | <input type="checkbox"/> | _____ | % Cover of Wetland Bryophytes (Where applicable) _____ |
| 7. _____ | 0 | <input type="checkbox"/> | _____ | % Bare Ground _____ |
| 8. _____ | 0 | <input type="checkbox"/> | _____ | Total Cover of Bryophytes _____ |
| 9. _____ | 0 | <input type="checkbox"/> | _____ | |
| 10. _____ | 0 | <input type="checkbox"/> | _____ | |
| Total Cover: <u>5</u> | | | | Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/> |
| 50% of Total Cover: <u>2.5</u> | 20% of Total Cover: <u>1</u> | | | |

Remarks: perm flooded waterbody bordered by obligate sedges and forbs.

