

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 20-Jun-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T27_07
 Investigator(s): JGK Landform (hillside, terrace, hummocks etc.): Flat
 Local relief (concave, convex, none): hummocky Slope: 3.5 % / 2.0 ° Elevation: 800
 Subregion: Interior Alaska Mountains Lat.: 62.8575399088 Long.: -148.65236997 Datum: WGS84
 Soil Map Unit Name: _____ NWI classification: PSS1/EM1E

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: | |

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

| | Absolute % Cover | Dominant Species? | Indicator Status | |
|-------------------------------------|------------------|-------------------------------------|-------------------------------|--|
| Tree Stratum | | | | |
| 1. _____ | 0 | <input type="checkbox"/> | _____ | Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) 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"/> | _____ | |
| Total Cover: | | 0 | | Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>45</u> x 1 = <u>45</u> FACW Species <u>20</u> x 2 = <u>40</u> FAC Species <u>70</u> x 3 = <u>210</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>135</u> (A) <u>295</u> (B) Prevalence Index = B/A = <u>2.185</u> |
| Sapling/Shrub Stratum | | 50% of Total Cover: <u>0</u> | 20% of Total Cover: <u>0</u> | |
| 1. <u>Betula nana</u> | 20 | <input checked="" type="checkbox"/> | FAC | |
| 2. <u>Vaccinium uliginosum</u> | 35 | <input checked="" type="checkbox"/> | FAC | |
| 3. <u>Empetrum nigrum</u> | 15 | <input type="checkbox"/> | FAC | |
| 4. <u>Andromeda polifolia (IAM)</u> | 5 | <input type="checkbox"/> | OBL | |
| 5. <u>Ledum decumbens</u> | 5 | <input type="checkbox"/> | FACW | |
| 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"/> | _____ | |
| Total Cover: | | 80 | | |
| Herb Stratum | | | | |
| | | 50% of Total Cover: <u>40</u> | 20% of Total Cover: <u>16</u> | Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is > 50% <input checked="" type="checkbox"/> Prevalence Index is ≤ 3.0 <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 1. <u>Carex capillaris</u> | 5 | <input type="checkbox"/> | FACW | |
| 2. <u>Equisetum pratense</u> | 5 | <input type="checkbox"/> | FACW | |
| 3. <u>Carex aquatilis</u> | 40 | <input checked="" type="checkbox"/> | OBL | |
| 4. <u>Rubus chamaemorus</u> | 5 | <input type="checkbox"/> | FACW | |
| 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"/> | _____ | |
| Total Cover: | | 55 | | |
| | | 50% of Total Cover: <u>27.5</u> | 20% of Total Cover: <u>11</u> | |
| Remarks: <u>tr salpala salmyr</u> | | | | |

