

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 28-Aug-15
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW15_T333_06
 Investigator(s): AFW Landform (hillside, terrace, hummocks etc.): Ridgetop
 Local relief (concave, convex, none): convex Slope: 8.7 % / 5.0 ° Elevation: _____
 Subregion: Interior Alaska Mountains Lat.: _____ Long.: _____ Datum: WGS84
 Soil Map Unit Name: _____ **NWI classification: Upland**

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

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

| | Absolute % Cover | Dominant Species? | Indicator Status | |
|---|------------------|-------------------------------------|------------------|---|
| Tree Stratum | | | | Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B) |
| 1. _____ | _____ | <input type="checkbox"/> | _____ | |
| 2. _____ | _____ | <input type="checkbox"/> | _____ | |
| 3. _____ | _____ | <input type="checkbox"/> | _____ | |
| 4. _____ | _____ | <input type="checkbox"/> | _____ | |
| 5. _____ | _____ | <input type="checkbox"/> | _____ | |
| Total Cover: <u>0</u> | | | | Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>0</u> x 1 = <u>0</u> FACW Species <u>1</u> x 2 = <u>2</u> FAC Species <u>24</u> x 3 = <u>72</u> FACU Species <u>51</u> x 4 = <u>204</u> UPL Species <u>2</u> x 5 = <u>10</u> Column Totals: <u>78</u> (A) <u>288</u> (B) Prevalence Index = B/A = <u>3.692</u> |
| Sapling/Shrub Stratum 50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u> | | | | |
| 1. <u>Dryas integrifolia</u> | <u>30</u> | <input checked="" type="checkbox"/> | FACU | |
| 2. <u>Arctous alpinus</u> | <u>15</u> | <input checked="" type="checkbox"/> | FACU | |
| 3. <u>Empetrum nigrum</u> | <u>10</u> | <input type="checkbox"/> | FAC | |
| 4. <u>Vaccinium uliginosum</u> | <u>7</u> | <input type="checkbox"/> | FAC | |
| 5. <u>Vaccinium vitis-idaea</u> | <u>5</u> | <input type="checkbox"/> | FAC | |
| 6. <u>Betula nana</u> | <u>2</u> | <input type="checkbox"/> | FAC | |
| 7. <u>Salix arctica</u> | <u>1</u> | <input type="checkbox"/> | FACU | |
| 8. _____ | <u>0</u> | <input type="checkbox"/> | _____ | |
| 9. _____ | <u>0</u> | <input type="checkbox"/> | _____ | |
| 10. _____ | <u>0</u> | <input type="checkbox"/> | _____ | |
| Total Cover: <u>70</u> | | | | |
| Herb Stratum 50% of Total Cover: <u>35</u> 20% of Total Cover: <u>14</u> | | | | |
| 1. <u>Anthoxanthum monticola ssp. alpinum</u> | <u>5</u> | <input checked="" type="checkbox"/> | UPL | |
| 2. <u>Festuca brachyphylla</u> | <u>2</u> | <input checked="" type="checkbox"/> | UPL | |
| 3. <u>Arctagrostis latifolia</u> | <u>1</u> | <input type="checkbox"/> | FACW | |
| 4. _____ | <u>0</u> | <input type="checkbox"/> | _____ | |
| 5. _____ | <u>0</u> | <input type="checkbox"/> | _____ | |
| 6. _____ | <u>0</u> | <input type="checkbox"/> | _____ | |
| 7. _____ | <u>0</u> | <input type="checkbox"/> | _____ | |
| 8. _____ | <u>0</u> | <input type="checkbox"/> | _____ | |
| 9. _____ | <u>0</u> | <input type="checkbox"/> | _____ | |
| 10. _____ | <u>0</u> | <input type="checkbox"/> | _____ | |
| Total Cover: <u>8</u> | | | | |
| 50% of Total Cover: <u>4</u> 20% of Total Cover: <u>1.6</u> | | | | |
| Hydrophytic Vegetation Indicators: <input type="checkbox"/> Dominance Test is > 50% <input type="checkbox"/> Prevalence Index is ≤3.0 <input type="checkbox"/> Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation (Explain) | | | | |
| ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. | | | | |
| Plot size (radius, or length x width) <u>10m</u> % Cover of Wetland Bryophytes (Where applicable) _____ % Bare Ground <u>70</u> Total Cover of Bryophytes <u>25</u> | | | | |
| Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> | | | | |
| Remarks: dusting of snow on ground | | | | |

