

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Denali Borough Sampling Date: 06-Aug-12
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW12_T16_03
 Investigator(s): SLI, KMK Landform (hillside, terrace, hummocks etc.): Gulch or Gully
 Local relief (concave, convex, none): concave Slope: % / 13.7 ° Elevation: 114
 Subregion: Interior Alaska Mountains Lat.: 63.4289148637 Long.: -148.592118553 Datum: NAD83
 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 checked="" type="radio"/> No <input 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"/> | <p align="center">Is the Sampled Area within a Wetland?</p> Yes <input type="radio"/> No <input checked="" type="radio"/> |
| Remarks: _____ | |

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>6</u> (A) Total Number of Dominant Species Across All Strata: <u>10</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>60.0%</u> (A/B) |
| 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"/> | _____ | |
| 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>5</u> x 2 = <u>10</u> FAC Species <u>39</u> x 3 = <u>117</u> FACU Species <u>35</u> x 4 = <u>140</u> UPL Species <u>10</u> x 5 = <u>50</u> Column Totals: <u>89</u> (A) <u>317</u> (B) Prevalence Index = B/A = <u>3.562</u> |
| Sapling/Shrub Stratum | | 50% of Total Cover: <u>0</u> | 20% of Total Cover: <u>0</u> | |
| 1. <u>Salix reticulata</u> | 3 | <input type="checkbox"/> | FAC | |
| 2. <u>Vaccinium uliginosum</u> | 15 | <input checked="" type="checkbox"/> | FAC | |
| 3. <u>Empetrum nigrum</u> | 10 | <input type="checkbox"/> | FAC | |
| 4. <u>Dryas ajanensis</u> | 10 | <input type="checkbox"/> | UPL | |
| 5. <u>Rhododendron tomentosum</u> | 3 | <input type="checkbox"/> | FACW | |
| 6. <u>Arctous alpinus</u> | 3 | <input type="checkbox"/> | FACU | |
| 7. <u>Salix arctica</u> | 25 | <input checked="" type="checkbox"/> | FACU | |
| 8. <u>Loiseleuria procumbens</u> | 2 | <input type="checkbox"/> | FACU | |
| 9. <u>Salix pulchra</u> | 2 | <input type="checkbox"/> | FACW | |
| 10. <u>Vaccinium vitis-idaea</u> | 5 | <input type="checkbox"/> | FAC | |
| Total Cover: <u>78</u> | | | | |
| Herb Stratum | | 50% of Total Cover: <u>39</u> | 20% of Total Cover: <u>15.6</u> | Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is > 50% <input 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>Anthoxanthum monticola ssp. alpinum</u> | 3 | <input checked="" type="checkbox"/> | UPL | |
| 2. <u>Carex microchaeta</u> | 2 | <input checked="" type="checkbox"/> | FAC | |
| 3. <u>Bistorta plumosa</u> | 1 | <input checked="" type="checkbox"/> | FACU | |
| 4. <u>Luzula nivalis</u> | 1 | <input checked="" type="checkbox"/> | FAC | |
| 5. <u>Festuca altaica</u> | 1 | <input checked="" type="checkbox"/> | FAC | |
| 6. <u>Trisetum spicatum</u> | 1 | <input checked="" type="checkbox"/> | FAC | |
| 7. <u>Luzula spicata</u> | 1 | <input checked="" type="checkbox"/> | FACU | |
| 8. <u>Poa arctica</u> | 1 | <input checked="" type="checkbox"/> | FAC | |
| 9. _____ | 0 | <input type="checkbox"/> | _____ | |
| 10. _____ | 0 | <input type="checkbox"/> | _____ | |
| Total Cover: <u>11</u> | | | | |
| | | 50% of Total Cover: <u>5.5</u> | 20% of Total Cover: <u>2.2</u> | |

Remarks: 1% salpul, abundant lichens.

