

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 08-Jul-13
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW13_T101_03
 Investigator(s): WAD, BAB Landform (hillside, terrace, hummocks etc.): pond and margin
 Local relief (concave, convex, none): concave Slope: % / 3.4 ° Elevation: 844
 Subregion: Copper River Basin Lat.: 62.6696177722 Long.: -147.475647925 Datum: NAD83
 Soil Map Unit Name: _____ NWI classification: PEM1H

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"/> | <p align="center">Is the Sampled Area within a Wetland?</p> 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 | | | | Dominance Test worksheet: Number of Dominant Species That are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of dominant Species That Are OBL, FACW, or FAC: <u>100.0%</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: | | | | |
| Sapling/Shrub Stratum | | | | Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species <u>7.1</u> x 1 = <u>7.1</u> FACW Species <u>1.2</u> x 2 = <u>2.400</u> FAC Species <u>0</u> x 3 = <u>0</u> FACU Species <u>0</u> x 4 = <u>0</u> UPL Species <u>0</u> x 5 = <u>0</u> Column Totals: <u>8.3</u> (A) <u>9.5</u> (B) Prevalence Index = B/A = <u>1.145</u> |
| | 50% of Total Cover: <u>0</u> | 20% of Total Cover: <u>0</u> | | |
| 1. <u>Salix pulchra</u> | 1 | <input checked="" type="checkbox"/> | FACW | |
| 2. <u>Salix fuscescens</u> | 0.1 | <input type="checkbox"/> | FACW | |
| 3. _____ | 0 | <input type="checkbox"/> | _____ | |
| 4. _____ | 0 | <input type="checkbox"/> | _____ | |
| 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: | | | | |
| | 50% of Total Cover: <u>1.1</u> | 20% of Total Cover: <u>0.22</u> | | |
| Herb Stratum | | | | 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. |
| | 50% of Total Cover: <u>0.55</u> | 20% of Total Cover: <u>0.22</u> | | |
| 1. <u>Carex aquatilis</u> | 5 | <input checked="" type="checkbox"/> | OBL | |
| 2. <u>Comarum palustre</u> | 1 | <input type="checkbox"/> | OBL | |
| 3. <u>Eriophorum angustifolium</u> | 1 | <input type="checkbox"/> | OBL | |
| 4. <u>Equisetum hyemale</u> | 0.1 | <input type="checkbox"/> | FACW | |
| 5. <u>Carex pauciflora</u> | 0.1 | <input type="checkbox"/> | OBL | |
| 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: | | | | |
| | 50% of Total Cover: <u>7.2</u> | 20% of Total Cover: <u>1.44</u> | | |
| Hydrophytic Vegetation Present? | | | | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| Remarks: <u>pond fringe, covers given for pond and fringe as a whole. sufficient cover for vegetatated wetland code (see photos). total shrub cover <5%, thus no shrub dominants.</u> | | | | |

