

WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-Watana Hydroelectric Project Borough/City: Matanuska-Susitna Borough Sampling Date: 18-Aug-15
 Applicant/Owner: Alaska Energy Authority Sampling Point: SW15_T320_05
 Investigator(s): SLI, SCB Landform (hillside, terrace, hummocks etc.): Channel (active)
 Local relief (concave, convex, none): concave Slope: 1.7 % / 1.0 ° Elevation: _____
 Subregion: Cook Inlet Mountains Lat.: _____ Long.: _____ Datum: WGS84
 Soil Map Unit Name: _____ **NWI classification: R3UBH**

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: Small R3UBH that begins at willows. ground surface 6-8in higher in willows, small scattered pools of standing water at toeslope in willows but no channel morphology. low willows at head of stream appear to be pss1b. visible springs at/near head of stream, water flowing out of adjacent hillside to form channel. | |

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

| | Absolute % Cover | Dominant Species? | Indicator Status | |
|------------------------------|------------------------------|------------------------------|------------------|--|
| Tree Stratum | | | | Dominance Test worksheet: |
| 1. _____ | _____ | <input type="checkbox"/> | _____ | Number of Dominant Species That are OBL, FACW, or FAC: <u>0</u> (A) |
| 2. _____ | _____ | <input type="checkbox"/> | _____ | Total Number of Dominant Species Across All Strata: <u>0</u> (B) |
| 3. _____ | _____ | <input type="checkbox"/> | _____ | Percent of dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B) |
| 4. _____ | _____ | <input type="checkbox"/> | _____ | |
| 5. _____ | _____ | <input type="checkbox"/> | _____ | |
| Total Cover: | <u>0</u> | | | Prevalence Index worksheet: |
| Sapling/Shrub Stratum | 50% of Total Cover: <u>0</u> | 20% of Total Cover: <u>0</u> | | Total % Cover of: Multiply by: |
| 1. _____ | _____ | <input type="checkbox"/> | _____ | OBL Species <u>0</u> x 1 = <u>0</u> |
| 2. _____ | _____ | <input type="checkbox"/> | _____ | FACW Species <u>0</u> x 2 = <u>0</u> |
| 3. _____ | _____ | <input type="checkbox"/> | _____ | FAC Species <u>0</u> x 3 = <u>0</u> |
| 4. _____ | _____ | <input type="checkbox"/> | _____ | FACU Species <u>0</u> x 4 = <u>0</u> |
| 5. _____ | _____ | <input type="checkbox"/> | _____ | UPL Species <u>0</u> x 5 = <u>0</u> |
| 6. _____ | _____ | <input type="checkbox"/> | _____ | Column Totals: <u>0</u> (A) <u>0</u> (B) |
| 7. _____ | _____ | <input type="checkbox"/> | _____ | Prevalence Index = B/A = <u>0.000</u> |
| 8. _____ | _____ | <input type="checkbox"/> | _____ | |
| 9. _____ | _____ | <input type="checkbox"/> | _____ | Hydrophytic Vegetation Indicators: |
| 10. _____ | _____ | <input type="checkbox"/> | _____ | <input type="checkbox"/> Dominance Test is > 50% |
| Total Cover: | <u>0</u> | | | <input type="checkbox"/> Prevalence Index is ≤ 3.0 |
| 50% of Total Cover: <u>0</u> | 20% of Total Cover: <u>0</u> | | | <input type="checkbox"/> Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) |
| Herb Stratum | | | | <input checked="" type="checkbox"/> Problematic Hydrophytic Vegetation (Explain) |
| 1. _____ | <u>0</u> | <input type="checkbox"/> | _____ | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 2. _____ | <u>0</u> | <input type="checkbox"/> | _____ | |
| 3. _____ | <u>0</u> | <input type="checkbox"/> | _____ | |
| 4. _____ | <u>0</u> | <input type="checkbox"/> | _____ | |
| 5. _____ | <u>0</u> | <input type="checkbox"/> | _____ | Plot size (radius, or length x width) _____ |
| 6. _____ | <u>0</u> | <input type="checkbox"/> | _____ | % Cover of Wetland Bryophytes (Where applicable) _____ |
| 7. _____ | <u>0</u> | <input type="checkbox"/> | _____ | % Bare Ground _____ |
| 8. _____ | <u>0</u> | <input type="checkbox"/> | _____ | Total Cover of Bryophytes _____ |
| 9. _____ | <u>0</u> | <input type="checkbox"/> | _____ | |
| 10. _____ | <u>0</u> | <input type="checkbox"/> | _____ | Hydrophytic Vegetation Present? Yes <input checked="" type="radio"/> No <input type="radio"/> |
| Total Cover: | <u>0</u> | | | |
| 50% of Total Cover: <u>0</u> | 20% of Total Cover: <u>0</u> | | | |

Remarks: unvegetated active channel (no vascular species). algae at spring, scattered mosses.

