WETLAND DETERMINATION DATA FORM - Alaska Region

| Applicant/Owner: Alaska Energy Authority |
|--|
| Landform (hillside, terrace, hummocks etc.): Channel (active) |
| Local relief (concave, convex, none): concave Slope: 1.7 % / 1.0 ° Elevation: 1200 Subregion: Interior Alaska Mountains Lat.: 63.145990968 Long.: -148.309442043 Datum: WGS84 Soil Map Unit Name: NWI classification: R2UBH Are Vegetation Soil On Hydrology Significantly disturbed? Are "Normal Circumstances" present? Yes No No Are Vegetation Soil On Hydrology Inaturally 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 No Is the Sampled Area within a Wetland? Yes No Hydric Soil Present? Yes No No Wetland Hydrology Present? Yes No No No Remarks: Slow moving deep channel almost beaded stream. VEGETATION - Use scientific names of plants. List all species in the plot. Tree Stratum Absolute No O O O O 1. |
| Subregion: Interior Alaska Mountains Lat:: 63.145990968 Long:: -148.309442043 Datum: WGS84 NWI classification: R2UBH Are Climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation Soil Oreginal of thydrology Industry disturbed? Are Wormal Circumstances' present? Yes No Are 'Normal Circumstances' present? Yes No Are Vegetation Oreginal of thydrology Industry or No Ind |
| NWI classification: RZUBH Net 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.) |
| 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 Normal Circumstances. Is the Sampled Area within a Wetland? Yes No Are Normal Circumstances. Is the Sampled Area within a Wetland? Yes No Area Normal Circumstances. Is the Sampled Area within a Wetland? Yes No Area Normal Circumstances. Is the Sampled Area within a Wetland? Yes No Area Normal Circumstances. Is the Sampled Area within a Wetland? Yes No Area Normal Circumstances. Is the Sampled Area within a Wetland? Yes No Area Normal Circumstances. Is the Sampled Area within a Wetland? Yes No Area Normal Circumstances. Is the Sampled Area within a Wetland? Yes No Area Normal Circumstances. Is the Sampled Area within a Wetland? Yes No Area Normal Circumstances. Is the Sampled Area withi |
| Hydric Soil Present? Yes ● No ○ Wetland Hydrology Present? Yes ● No ○ Wetland Hydrology Present? Yes ● No ○ Wetland Hydrology Present? Yes ● No ○ Wetland? Yes ● No ○ Wetland? Yes ● No ○ Wetland? Yes ● No ○ No |
| Wetland Hydrology Present? Yes No No Within a Wetland? Yes No No Wetland Hydrology Present? Yes No |
| Remarks: Slow moving deep channel almost beaded stream. Slow minimates the plot. Stratus Slow moving for foominant Species Slow moving for foominant |
| VEGETATION - Use scientific names of plants. List all species in the plot. Tree Stratum Absolute % Cover % Cover % Species? Dominant Species Status Indicator Status Number of Dominant Species That are OBL, FACW, or FAC: |
| That are OBL, FACW, or FAC: 0 (A) 1. 0 1 Total Number of Dominant Species Across All Strata: 0 (B) 3. 0 0 1 Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B) 5. 0 0 1 Prevalence Index worksheet: Total % Cover of: Multiply by: Sapling/Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0 OBL Species 0 x 1 = 0 1. 0 FACW Species 0 x 2 = 0 2. 0 FAC Species 0 x 3 = 0 3. 0 FACU Species 0 x 4 = 0 |
| 2. 0 Total Number of Dominant Species Across All Strata: 0 (B) 3. 0 Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B) 5. 0 Prevalence Index worksheet: Total % Cover of: Multiply by: Sapling/Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0 OBL Species 0 x 1 = 0 1. 0 FACW Species 0 x 2 = 0 2. 0 FAC Species 0 x 3 = 0 3. 0 FACU Species 0 x 4 = 0 |
| 3. |
| 4. |
| 5. Prevalence Index worksheet: Sapling/Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0 Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species 0 x 1 = 0 FACW Species 0 x 2 = 0 FAC Species 0 x 3 = 0 FACU Species 0 x 4 = 0 |
| Total Cover: |
| Sapling/Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0 OBL Species 0 x 1 = 0 1. 0 FACW Species 0 x 2 = 0 2. 0 FAC Species 0 x 3 = 0 3. 0 FACU Species 0 x 4 = 0 |
| 1. 0 FACW Species 0 x 2 = 0 2. 0 FAC Species 0 x 3 = 0 3. 0 FACU Species 0 x 4 = 0 |
| 2. |
| 3 FACU Species x 4 = |
| |
| 4. UPL Species 0 x 5 = 0 |
| 5 |
| 6. |
| 7. Prevalence Index = B/A = <u>0.000</u> |
| 8 <u>0</u> Hydrophytic Vegetation Indicators: |
| 9 0 |
| 10 0 |
| Total Cover:0 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 1 |
| 2 |
| 3 be present, unless disturbed or problematic. |
| 4 |
| 5 |
| 6 |
| 8 0 |
| 9 |
| 10 Hydrophytic |
| Total Cover: 0 Vegetation |
| 50% of Total Cover: 0 20% of Total Cover: 0 Present? Yes No |

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SOIL Sampling Point: SW13_T179_08 Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) **Redox Features** Depth <u>Loc</u> 2 (inches) Color (moist) Color (moist) Type ¹ ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix ² Location: PL=Pore Lining, RC=Root Channel, M=Matrix Indicators for Problematic Hydric Soils: **Hydric Soil Indicators:** Histosol or Histel (A1) Alaska Color Change (TA4) ☐ Alaska Gleyed Without Hue 5Y or Redder Underlying Layer Alaska Alpine swales (TA5) Histic Epipedon (A2) Alaska Redox With 2.5Y Hue ✓ Other (Explain in Remarks) Hydrogen Sulfide (A4) Thick Dark Surface (A12) ³ One indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, Alaska Gleved (A13) and an appropriate landscape position must be present Alaska Redox (A14) ⁴ Give details of color change in Remarks Alaska Gleyed Pores (A15) Restrictive Layer (if present): Yes ● No ○ Type: **Hydric Soil Present?** Depth (inches): Remarks: active channel, assume hydric soil **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (two or more are required) Primary Indicators (any one is sufficient) Water Stained Leaves (B9) ✓ Surface Water (A1) Drainage Patterns (B10) ☐ Inundation Visible on Aerial Imagery (B7) High Water Table (A2) Oxidized Rhizospheres along Living Roots (C3) Sparsely Vegetated Concave Surface (B8) Saturation (A3) Presence of Reduced Iron (C4) Marl Deposits (B15) Water Marks (B1) Salt Deposits (C5) ☐ Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Dry-Season Water Table (C2) Stunted or Stressed Plants (D1) Drift Deposits (B3) Other (Explain in Remarks) Geomorphic Position (D2) Algal Mat or Crust (B4) Shallow Aquitard (D3) Iron Deposits (B5) Microtopographic Relief (D4) Surface Soil Cracks (B6) FAC-neutral Test (D5) Field Observations: Yes ● No ○ Surface Water Present? Depth (inches): 36 Yes O No • Yes ● No ○ Water Table Present? Wetland Hydrology Present? Depth (inches): Saturation Present? Yes ○ No ● Depth (inches): (includes capillary fringe)

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Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:

Remarks:

deepest places up to 3 feet.