WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner Alaska Energy Authority Sample Point Sw13 T137_02
Landform (hillsule, terrace, hummocks etc.): Channel (active)
Local relief (concave, convex, none):
Latt 62.82592132 Long: 148.865288138 Datum: WGS84
New Classification: R3UBH
Are vegetation Soil or Hydrology significantly disturbed? 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 No Is the Sampled Area within a Wetland'; Yes No Wetland Hydrology Present? Yes No Is the Sampled Area within a Wetland? Yes No Wetland Hydrology Present? Yes No Is the Sampled Area within a Wetland? Yes No Wetland Hydrology Present? Yes No Is the Sampled Area within a Wetland? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Within a Wetland? Yes No W
Are Vegetation
Hydrophytic Vegetation Present? Yes No No Wetland Hydrology Present? Yes No
Section Sect
Within a Wetland Hydrology Present? Yes
Remarks: small permanently flooded creek, 1 to many channels. veg section descibes bank vegetation. frog observed at waterbody downslope data point labeled by transect. photo num 985, 984. photo time 1232 VEGETATION - Use scientific names of plants. List all species in the plot. Tree Stratum Absolute
Description of the provided by transect. Photo num 985, 984. Photo time 1232 #### January Control of Cover 1232 #### January Cover 1232 Tree Stratum
Absolute Species Status Species Status Status Status Species Status Status Species Status Status Species Status Status Species Status Species Status Status Status Species Status Species Status Status Species Status Species Status Status Status Species Status Status Status Species Status Status Species Status Status Status Status Status Species Status Status Status Status Species Status
1.
1
Species Across All Strata: 3 (B) Species Across All Strata: 3 (B)
4. 0
Total Cover: Down
Total Cover:
Sapling/Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0 OBL Species 0 x1 = 0 1. Salix pulchra 35 ✓ FACW FACW Species 50 x 2 = 100 2. Salix barclayi 25 ✓ FAC FAC Species 56 x 3 = 168 3. Salix reticulata 15 FAC FACU Species 2 x 4 = 8 4. Dasiphora fruticosa 5 FAC UPL Species 2 x 4 = 8 5. 0 UPL Species 0 x 5 = 0 0 6. 0 UPL Species 0 x 5 = 0 0 7. 0 UPL Species 0 x 5 = 0 0 8. 0 UPL Species 0 x 5 = 0 0 9. 0 UPL Species 10 x 4 = 8 0 10. UPL Species 0 x 5 = 0 0 Very Species 10 x 4 = 8 0 UPL Species 10 x 4 = 8 Very Species 10 x 4 = 8 0 UPL Species 10 x 4 = 8 0 Very Species 10 x 4 = 8
1. Salix pulchra 2. Salix barclayi 2. Salix barclayi 3. Salix reticulata 4. Dasiphora fruticosa 5.
2. Salix barclayi 2. Salix reticulata 3. Salix reticulata 4. Dasiphora fruticosa 5
3. Salix reticulata 4. Dasiphora fruticosa 5
4. Dasiphora fruticosa 5.
5.
6.
7.
7. 8. 0
9.
Total Cover: 80 Herb Stratum 50% of Total Cover: 40 20% of Total Cover: 16 Sanguisorba canadensis 15 FACW 2. Sedum rosea 5 FAC 3. Carex bigelowii 5 FAC 4. Bistorta plumosa 2 FACU 5 Festuca altaica 1 FAC 5 Festuca altaica 6 FAC 5 Festuca altaica 7 FAC 6 Prevalence Index is ≤3.0 Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet) FAC Provide supporting data in Remarks or on a separate sheet) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Plot size (radius, or length x width) 10m length
Total Cover: 80
Herb Stratum 50% of Total Cover: 40 20% of Total Cover: 16 1. Sanguisorba canadensis 15
2. Sedum rosea 3. Carex bigelowii 4. Bistorta plumosa 5 FAC 6 FAC 7 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 7 FAC 8 FAC 9 FAC FAC FAC FAC FAC FAC FAC Plot size (radius, or length x width) 10m length
3. Carex bigelowii 5
4. Bistorta plumosa 2 FACU Plot size (radius, or length x width) 10m length 10m length
5 Festuca altaica 1 FAC Plot size (radius, or length x width) 10m length
5. Festuca aitaica 1 Cayor of Wotland Prophytos
O (Where applicable)
7
o lotal cover of Bryophytes
Total Cover: 28 Vegetation
50% of Total Cover: 14 20% of Total Cover: 5.6 Present? Yes • No
Remarks: species include indiv species overhanging or next to channel.

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SOIL Sampling Point: SW13_T137_02 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): 6 Yes O No • Yes ● No ○ Water Table Present? Wetland Hydrology Present? Depth (inches): Saturation Present? Yes ○ No ● Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:

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Remarks: