WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Investigator(s): WAD, BAB Landform (hillside, terrace, hummocks etc.): Flat Local relief (concave, convex, none): convex Slope: 3.5 % / 2.0 ° Elevation: 409 Subregion: Southcentral Alaska Lat: 62.816803694 Long: -149.624800563 Datum: WGS84 Soil Map Unit Name: 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
Local relief (concave, convex, none): convex Slope: 3.5 % / 2.0 ° Elevation: 409 Subregion: Southcentral Alaska Lat.: 62.816803694 Long.: -149.624800563 Datum: WGS84 Soil Map Unit Name: NWI classification: PSS4/3B Are climatic/hydrologic conditions on the site typical for this time of year? Yes No No (If no, explain in Remarks.) 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 No Wetland Hydrology Present? Yes No No Indicator Species No No Remarks: VEGETATION - Use scientific names of plants. List all species in the plot. Tree Stratum Absolute Dominant Species No No No No No No No N
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Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) Are "Normal Circumstances" present? Yes No No (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
Are Vegetation
Hydric Soil Present? Wetland Hydrology Present? Yes No No within a Wetland? Remarks: Factor Species Mo Within a Wetland? Species Status Species Status Species Status Species Status Species Status Species Species Status Species Species Status Species Species Species Status Species Species Species Status Species Species Species Status Species Species Species Species Status Species Species Species Species Status Species Speci
Tree StratumAbsolute % Cover 1.Dominant Species?Indicator Species?Number of Dominant Species That are OBL, FACW, or FAC:Number of Dominant Species That are OBL, FACW, or FAC:4(A)2.00Total Number of Dominant Species Across All Strata:4(B)
Tree Stratum% CoverSpecies?StatusNumber of Dominant Species That are OBL, FACW, or FAC:4(A)1. Picea mariana15✓FACW2.0□Total Number of Dominant Species Across All Strata:4(B)
1. Picea mariana 15 FACW That are OBL, FACW, or FAC: 4 (A) 2. 0 0 Total Number of Dominant Species Across All Strata: 4 (B)
2
3 O Percent of dominant Species
4 0 That Are OBL, FACW, or FAC: 100.0% (A/B
5
Sapling/Shrub Stratum 50% of Total Cover: 7.5 20% of Total Cover: 3 OBL Species 7 x 1 = 7
1. Ledum decumbens 25 FACW Species 70 x 2 = 140
2. Empetrum nigrum 25 ✓ FAC FAC Species 35 x 3 = 105
3. Picea mariana 15 FACU Species 1 x 4 = 4
4. Betula nana
5. Vaccinium uliginosum 5 FAC Column Totals:113 (A)256 (B
6. Andromeda polifolia 5 FACW
7. Prevalence Index = B/A = <u>2.265</u>
8 Hydrophytic Vegetation Indicators:
9
10
Total Cover: 80 Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
1. Rubus chamaemorus 10 FACW Problematic Hydrophytic Vegetation (Explain)
2. Carex pauciflora 3
3. Catex aquains
Frienders we are subtifully provided by the state of the
6
7
8 0
9
10 Hydrophytic
Total Cover: 18 Vegetation
50% of Total Cover: 9 20% of Total Cover: 3.6 Present? Yes No

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SOIL Sampling Point: SW13_T139_11

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)							ators)			
Depth (inches)							. 2	Tarahuna	Domento	
(inches)	Color (moi		<u>%</u>	Color (moist)	<u>%</u>	Type ¹	<u>Loc</u> ²	Texture	Remarks	
0-6			100%					Fibric Organics		
6-12			100%					Hemic Organics		
				<u> </u>						
1 Types C-Concentration D-Depletion DM-Deduced Matrix 2 Legations DL-Deve Lining DC-Deat Channel M. Matrix										
¹ Type: C=Concentration. D=Depletion. RM=Reduced Matrix ² Location: PL=Pore Lining. RC=Root Channel. M=Matrix										
Hydric Soil I				Indicators for Problematic Hydric Soils:						
	Histosol or Histel (A1)				☐ Alaska Color Change (TAS) ☐ Alaska Gleyed Without Hue 5Y or Redder ☐ Alaska Alpine swales (TAS) ☐ Underlying Layer					
Histic Epip				Maska Alpine swales (TAS)						
Hydrogen Sulfide (A4) Alaska Redox With 2.5Y Hue Other (Explain in Remarks)										
Thick Dark Surface (A12) Thick Dark Surface (A12) One indicator of hydrophytic vegetation, one primary indicator of wetland hydrology,										
Alaska Gieyed (A13) and an appropriate landscape position must be present										
Alaska Redox (A14) Alaska Cloud Page (A15) 4 Give details of color change in Remarks										
Alaska Gleyeu Poles (A15)										
Restrictive Laye	er (if present):									
Type:								Hydric Soil Present	? Yes ● No ○	
Depth (incl	nes):									
HYDROLOGY										
h	rology Indicat	ors:						Secondary Indic	cators (two or more are required)	
Primary Indicators (any one is sufficient)									ned Leaves (B9)	
Surface V	Vater (A1)			☐ Inundation Visible on Aerial Imagery (B7)				☐ Drainage P	atterns (B10)	
✓ High Water Table (A2)				Sparsely Vegetated Concave Surface (B8)				Oxidized RI	nizospheres along Living Roots (C3)	
✓ Saturation	n (A3)			Marl Deposits (B15)			` '	Presence of	f Reduced Iron (C4)	
					ogen Sulfide Odor (C1) Salt Deposits (C5)				ts (C5)	
☐ Sediment Deposits (B2) ☐ Dry-Season Wai								✓ Stunted or	Stressed Plants (D1)	
☐ Drift Depo	Other (Expla	in in Rema	rks)		✓ Geomorphi	c Position (D2)				
Algal Mat	Algal Mat or Crust (B4)							Shallow Aq	uitard (D3)	
☐ Iron Depo	osits (B5)							Microtopog	raphic Relief (D4)	
Surface S	oil Cracks (B6)							✓ FAC-neutra	l Test (D5)	
Field Observa	ations:									
Surface Wate	r Present?	Yes 🔾	No 🖭	Depth (inche	es):					
Water Table F	Present?	Yes 💿	No \bigcirc	Depth (inche	es): 7		Wetla	nd Hydrology Presen	t? Yes 💿 No 🔾	
Saturation Pre		Yes	No O	Denth (inche	es). 3					
(includes capillary fillinge)										
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:										
Remarks:										
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