WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority: JGK Landform (hillside, terrace, hummocks etc.): Flat Investigator(s): JGK Landform (hillside, terrace, hummocks etc.): Flat Investigator(s): JGK Landform (hillside, terrace, hummocks etc.): Flat Investigator(s): JGK Local relief (concave, convex, none): convex Slope: 0.0 % / 0.0 ° Elevation: 734 Soll large Interior Alaska Mountains Lat.: 62.8686199085 Long.: -148.369539972 Datum: WGS84 Soll Map Unit Name: NWI classification: PSS3/EM1B Are elimatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation Soll On thydrology In significantly disturbed? Are "Normal Circumstances" present? Yes No (If noeded, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Dominant Species Within a Wetland? Yes No Total Number of Dominant Species That are OBL, FACW, or FAC: 4 (A) Tree Stratum
Slope: O.0
Subregion: Interior Alaska Mountains
NWI classification: PSS3/EM1B
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 in aturally problematic? Are "Normal Circumstances" present? Yes No Are Vegetation , Soil , or Hydrology in 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 No Is the Sampled Area within a Wetland? Yes No Wetland Hydrology Present? Yes No No Wetland Hydrology Present? Yes No No Is the Sampled Area within a Wetland? Yes No No No Is the Sampled Area within a Wetland? Yes No No No No Is the Sampled Area within a Wetland? Yes No
Are Vegetation
Sthe Sampled Area within a Wetland? Yes No No No No Wetland Hydrology Present? Yes No No No No Wetland? Yes No No No No Within a Wetland? Yes No No No No No No No No
/EGETATION - Use scientific names of plants. List all species in the plot. Absolute Dominant Species Status
Tree Stratum % Cover Species? Status Number of Dominant Species That are OBL, FACW, or FAC: 4 (A) 2. 0 0 1 Total Number of Dominant Species Across All Strata: 4 (B) 3. 0 0 Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B) 5. 0 0 Prevalence Index worksheet: Total % Cover of: Multiply by: Sapling/Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0 FACW FACW Species 10 x 2 = 20 20 1. Ledum decumbens 10 ✓ FACW FACW Species 10 x 2 = 20 20
1.
2.
3
4. 0 That Are OBL, FACW, or FAC: 100.0% (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 47 x 1 = 47 1. Ledum decumbens 10 FACW FACW Species 10 x 2 = 20
Total Cover:0
Sapling/Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0 OBL Species 47 x 1 = 47 1. Ledum decumbens 10 ✓ FACW FACW Species 10 x 2 = 20
1. Ledum decumbens 10 FACW FACW Species 10 x 2 = 20
FAC Species 42 To To
2. Vaccinium uliginosum 10 🔽 FAC Species 19 x 3 = 57
3. Empetrum nigrum 2 FAC FACU Species 0 x 4 = 0
4. Andromeda polifolia (IAM) 10 ✓ OBL UPL Species 0 x 5 = 0
5. Betula nana 5 Column Totals: 76 (A) 124 (E
6. Vaccinium vitis-idaea 2 FAC
7. Prevalence Index = B/A = <u>1.632</u>
8 O Hydrophytic Vegetation Indicators:
9 0
10 0
Total Cover: 39 Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1. Trichophorum caespitosum 35 OBL Problematic Hydrophytic Vegetation (Explain)
2. Eriophorum angustifolium 2 OBL ¹ Indicators of hydric soil and wetland hydrology must
3 be present, unless disturbed or problematic.
4 Plot size (radius, or length x width)
5
6 (Where applicable)
7 70 bale ground
10tal cover of Bryophrytes 20
Total Cover: 37 Vegetation
50% of Total Cover: 18.5 20% of Total Cover: 7.4 Present? Yes No

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SOIL Sampling Point: SW12_T28_04

Profile Description: (Describe to	the depth neede	ed to document		onfirm the abs		ators)		
Depth ————————————————————————————————————			lor (moist)	%	Type ¹	_Loc_2	Texture	Remarks
0-2		90	ioi (iiioise)		Турс	LUC	Fibric Organics	10% roots
2-15							Hemic Organics	
								
				_				
¹ Type: C=Concentration. D	=Depletion. RN	M=Reduced M	atrix ² Locatio	n: PL=Pore	E Lining. RO	=Root Cha	nnel. M=Matrix	
Hydric Soil Indicators:		In	dicators for P	roblematio	Hydric S	oils: ³		
Histosol or Histel (A1)			Alaska Color C	Change (TA4	4		Alaska Gleyed Without H	ue 5Y or Redder
✓ Histic Epipedon (A2)			Alaska Alpine	swales (TA5	j)		Underlying Layer	
Hydrogen Sulfide (A4)			Alaska Redox	With 2.5Y H	lue		Other (Explain in Remark	s)
Thick Dark Surface (A1	2)							
Alaska Gleyed (A13)			One indicator o nd an appropria				nary indicator of wetland h	ydrology,
Alaska Redox (A14)					•		SCIT	
Alaska Gleyed Pores (A	15)	4 (Give details of o	color change	e in Remark	(S		
Restrictive Layer (if present)	:							
Type: ice							Hydric Soil Present	? Yes • No O
Depth (inches): 15								
HYDROLOGY								
HYDROLOGY Wetland Hydrology Indic	ators:						Secondary Indi	cators (two or more are required)_
								cators (two or more are required) ned Leaves (B9)
Wetland Hydrology Indic			Inundation	visible on A	erial Image	ry (B7)	Water Stai	
Wetland Hydrology Indicators (any one]	☐ Inundation \		_		Water Stai Drainage F	ned Leaves (B9)
Primary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3)			_	getated Con	_		Water Stai Drainage F Oxidized R Presence c	ned Leaves (B9) latterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4)
Primary Indicators (any one Surface Water (A1) High Water Table (A2)			Sparsely Ve	getated Con ts (B15)	cave Surfa		Water Stai Drainage F Oxidized R	ned Leaves (B9) latterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4)
Primary Indicators (any one ☐ Surface Water (A1) ☑ High Water Table (A2) ☐ Saturation (A3) ☐ Water Marks (B1) ☐ Sediment Deposits (B2)	is sufficient)		Sparsely Ve	getated Con ts (B15) ulfide Odor	cave Surfa		Water Stai Drainage F Oxidized R Presence c Salt Depos Stunted or	ned Leaves (B9) hatterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) its (C5) Stressed Plants (D1)
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