WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority
Local relief (concave, convex, none): flat Slope: 0.0 % 0.0 ° Elevation: 1285
Subregion: Southcentral Alaska
Soil Map Unit Name:
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 significantly disturbed? Are "Normal Circumstances" present? Yes No Are "Normal Circumstances" present? Yes 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 Soil Present Status Species That are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species That are OBL, FACW, or FAC: 50.0% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species 0.1 x 1 = 0.1
Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No 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 Suth Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Suth Hydrology Present? Ye
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 No Wetland Hydrology Present? Yes No No Wetland Hydrology Present? Yes No No Wetland Hydrology Present? Yes No No Wetland? Yes No No Wetland? Yes No No Wetland? Yes No No No Wetland? Yes No No No Wetland? Yes No
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No No Wetland Hydrology Present? Yes No No Wetland Hydrology Present? Yes No No No Wetland? Yes No No No Wetland? Yes No
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Hydric Soil Present? Wetland Hydrology Present? Yes No N
Wetland Hydrology Present? Yes No Within a Wetland? Yes No
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Prevalence Index worksheet: Total Cover: 0 20% of Total Cover:
VEGETATION - Use scientific names of plants. List all species in the plot. Tree Stratum
Number of Dominant Species Number of Domi
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Number of Dominant Species Number of Domi
Tree Stratum % Cover Species? Status Number of Dominant Species That are OBL, FACW, or FAC: 2 (A) 2. 0 0 Total Number of Dominant Species Across All Strata: 4 (B) 3. 0 Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (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 0.1 x 1 = 0.1
1. 0 That are OBL, FACW, or FAC: 2 (A) 2. 0 Total Number of Dominant Species Across All Strata: 4 (B) 3. 0 Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (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 0.1 x 1 = 0.1
2.
3. 0 Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B) 5. 0 Prevalence Index worksheet:
4
5
Total Cover:0 Total % Cover of: Multiply by: Sapling/Shrub Stratum 50% of Total Cover:0
1. Harrimanella stellerana 10 FACW Species 13.3 x 2 = 26.60
2 Saliv rotundifolia 10 ✓ FAC Species 12 x 3 = 36
3 Saliv pulchra D1 FACU Species 3.1 X4 = 12.4
4. Cassiope tetragona 0.1 FACU UPL Species 3 x 5 = 15
5
6.
7. Prevalence Index = B/A = <u>2.860</u>
8. Hydrophytic Vegetation Indicators:
9
10 0
Total Cover: 20,2
Herb Stratum 50% of Total Cover: 10.1 20% of Total Cover: 4.04 Remarks or on a separate sheet)
1. Luetkea pectinata 3 UPL Problematic Hydrophytic Vegetation (Explain)
2. Sibbaldia procumbens 3 FACU Indicators of hydric soil and wetland hydrology must
3. Equisetum variegatum 2 FACW be present, unless disturbed or problematic.
4. Petasites frigidus 1 FACW Plot size (radius, or length x width) 10m
5. Carex bigelowii FAC % Cover of Wetland Bryophytes
6. Sedum rosea
7. Eriophorum russeolum 0.1 FACW % Bare Ground 40
8. Viola epipsila O.1 FACW Total Cover of Bryophytes 25
9. Eriophorum angustifolium 0.1 OBL 10. Saxifraga nelsoniana 0.1 FAC
nydrophytic
Total Cover: 11.4 Vegetation 50% of Total Cover: 5.7 20% of Total Cover: 2.28 Present? Yes • No •
Remarks: trace claytonia sarmentosa, lycopodium selago, ranunculus nivalis, eriophorum russeolum, antennaria monocephala, dodec frigidum, artaro

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SOIL Sampling Point: SW13_T127_06

Denth	epth Matrix		ocument the indicator or confirm the absence of indicators) Redox Features					
,, i ,	olor (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3							Hemic Organics	
3-6	5Y 3/2	20					Silt Loam	80% ang-subang gravels-cobbles.
							-	
							-	. ———
¹ Type: C=Concentra	ation. D=Depletion	n. RM=Reduce	d Matrix ² Location:	PL=Pore I	Lining. RC=	Root Cha	annel. M=Matrix	
Hydric Soil Indicat	tors:		Indicators for Pro	blematic I	Hydric Soi	ils: ³		
Histosol or Histel (A1)			☐ Alaska Color Change (TA4) ☐ Alaska Gleyed Without Hue 5Y or Redder					ue 5Y or Redder
Histic Epipedon ((A2)		Alaska Alpine sw	ales (TA5)			Underlying Layer	
Hydrogen Sulfide	e (A4)		Alaska Redox Wi	ith 2.5Y Hu	e	✓	Other (Explain in Remar	ks)
☐ Thick Dark Surfa	ice (A12)		30					
Alaska Gleyed (A	13)		 One indicator of h and an appropriate 				mary indicator of wetland l esent	nydrology,
Alaska Redox (A	14)			•	•			
Alaska Gleyed Po	ores (A15)		⁴ Give details of col	or change i	n kemarks			
Restrictive Layer (if p	resent):							
Type:							Hydric Soil Present	? Yes • No O
Depth (inches):								
HYDROLOGY								
HYDROLOGY Wetland Hydrology	/ Indicators:						_Secondary Indi	cators (two or more are required)
	•	nt)						cators (two or more are required) ined Leaves (B9)
Wetland Hydrology	any one is sufficier	nt)	☐ Inundation Vis	sible on Aer	ial Imagery	/ (B7)	Water Sta	
Primary Indicators (a Surface Water (a High Water Table	any one is sufficier A1)	nt)	☐ Inundation Vis				Water Sta	ined Leaves (B9)
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