WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Sampling Point: SW15_T207. Investigator(s): SLI, ATH Landform (hillside, terrace, hummocks etc.): Hillside Local relief (concave, convex, none): concave Slope: 3.0 % / 1.7 ° Elevation: Datum: WG Solid May Unit Name: No Lat: Long: Datum: WG Are vegetation , Soli , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ● No No C Are Vegetation , Soli , or Hydrology naturally problematic? (If neo, explain any answers in Remarks.) No C 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? No ● No ● VEGETATION - Use scientific names of plants. List all species in the plot. Species? Status No Becies ? Note of Dominant Species 1. Picea glauca 1
Investigator(s): SLI_ATH Landform (hillside, terrace, hummocks etc.): Hillside Local relief (concave, convex, none): concave Slope: 3.0 % / 1.7 * Elevation: Subregion : Interior Alaska Mountains Lat: Long.: Datum: WG Soil Map Unit Name: NWI classification: Upland Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ● No C Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes ● No ● Hydrophytic Vegetation Present? Yes ● No ● Remarks: open canopy black spruce forest on gentle hillside. Hiking to plot, areas with willow understory often had pools with standing water. this black spruce forest virtually indistinguishable from adjacent wetland black spruce forest in imagery, map this as an upland inclusion. VEGETATION - Use scientific names of plants. List all species in the plot. I Picea mariana 30 I FACW 2. Picea glauca 1
Local relief (concave, convex, none): concave Slope: 3.0 % / 1.7 ° Elevation: Subregion : Interior Alaska Mountains Lat: Long.: Datum: WG Soil Map Unit Name: NWI classification: Upland 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 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 ● Hydrophytic Vegetation Present? Yes ● No ● Is the Sampled Area within a Wetland? Yes ● No ● Remarks: open canopy black spruce forest on gentle hillside. Hiking to plot, areas with willow understory often had pools with standing water. this black spruce forest virtually indistinguishable from adjacent wetland black spruce forest in imagery, map this as an upland inclusion. VEGETATION - Use scientific names of plants. List all species in the plot. Tree Stratum 30 ✓ FACW 1. Picea glauca 1 F
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Soil Map Unit Name: NWI classification: Upland 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 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 ● Hydrophytic Vegetation Present? Yes ● No ● No ● Is the Sampled Area within a Wetland? Yes ● No ● Remarks: open canopy black spruce forest on gentle hillside. Hiking to plot, areas with willow understory often had pools with standing water. this black spruce forest virtually indistinguishable from adjacent wetland black spruce forest in imagery, map this as an upland inclusion. VEGETATION - Use scientific names of plants. List all species in the plot. Tree Stratum 30 ✓ FACW 1. Picea glauca 7 Percent of dominant Species 2. Picea glauca 1 FACW Species Cons All Strate: 7 3. 0 FACW Species O o X1 =
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Sapling/Shrub Stratum50% of Total Cover:15.520% of Total Cover:6.2OBL Species0 $x 1 = 0$
1 Dices marians 20 \checkmark FACW FACW Species 62 x 2 = 124
5. Empetrum nigrum 15 FAC Column Totals: 152 (A) 395
6. Betula nana 7 FAC 7. Salix pulchra 7 FAC Prevalence Index = B/A = <u>2.599</u>
8. Arctous ruber 5 FAC Hydrophytic Vegetation Indicators: 9. Rhododendron tomentosum 5 FACW Image: Comparison of the second sec
10. Dasiphora fruticosa 1 FAC \checkmark Prevalence Index is ≤ 3.0
Total Cover: 110 Morphological Adaptations (Provide supporting data supporting da
1. Carex bigelowii 5 Image: FAC Problematic Hydrophytic Vegetation (Explain)
2. Equisetum arvense 5 ✓ FAC ¹ Indicators of hydric soil and wetland hydrology must
3. Saussurea angustifolia 1 FAC
0
6. 0 % Cover of Wetland Bryophytes (Where applicable)
7. 0 % Bare Ground 5
8 0 Total Cover of Bryophytes 85
9 0 0
10 0 Hydrophytic
Total Cover: 11 Vegetation
50% of Total Cover: <u>5.5</u> 20% of Total Cover: <u>2.2</u> Present? Yes No

Depth -		Matrix		cument the indicator or co	dox Featu			-		
(inches)	Color (mo	oist)	%	Color (moist)	%	Type ¹	_Loc_2	Texture	Remarks	
0-2			100					Fibric organics		
2-4			100					Hemic organics		
4-7			100					Sapric organics		
7-12	10YR	3/4	100					Silt Loam	subrounded cobbles-boulders	
12-20	2.5Y	3/3	100					Loam	subrounded cobbles-boulders	
·					- ,		-	-	-	
								8	_	
¹ Tvne: C=Conc		=Depletior	RM=Redu	uced Matrix ² Location	n: PL=Por	e Lining, RC	`=Root Cha	nnel. M=Matrix	-	
						-				
Hydric Soil Ind						4	oils:			
Histosol or H	. ,			Alaska Color Cl		,		Alaska Gleyed Without H Underlying Layer	lue 5Y or Redder	
Histic Epipe				Alaska Alpine s	•	,		Other (Explain in Remarks)		
Hydrogen S	. ,	-		Alaska Redox V	Nith 2.51 i	Hue	L		KS)	
	Surface (A12))		³ One indicator of	hydrophy	tic vegetatio	n, one prin	nary indicator of wetland	hvdrology,	
Alaska Gleye				and an appropriat						
Alaska Redo	ox (A14) red Pores (A1!	۲ \		⁴ Give details of c	olor chang	e in Remark	S			
		-								
Restrictive Layer	(if present):								t? Yes 🔿 No 🖲	
Type: Depth (inche								Hydric Soil Present	t? Yes 🔾 No 🖲	
Debru (25).									
									nemic, 8-18 7.5YR 2.5/3 silt loam	
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No primary indicators, only one secondary indicator.