WETLAND DETERMINATION DATA FORM - Alaska Region

ocal re Subregic Soil Map Are clima Are Ve Are Ve	t/Owner: Alaska Energy Authority ator(s): JER ief (concave, convex, none): hummocky on: Interior Alaska Mountains Unit Name: atic/hydrologic conditions on the site typical for this getation , Soil , or Hydrology getation , Soil , or Hydrology getation , Soil , or Hydrology		{	Slope: 14.		Sampling Point: SW13_T108_01 be, hummocks etc.): Undulating o " Elevation: 710			
Local re Subregic Soil Map Are clima Are Ve Are Ve	ief (concave, convex, none): hummocky in: Interior Alaska Mountains Unit Name: atic/hydrologic conditions on the site typical for this getation , or Hydrology		{	Slope: 14.					
Subregion Soil Map Are clima Are Ve Are Ve	Unit Name: atic/hydrologic conditions on the site typical for this getation , Soil , or Hydrology			· —	0 % / 8.0) ° Elevation: ₇₁₀			
Soil Map Are clima Are Ve Are Ve	Unit Name: atic/hydrologic conditions on the site typical for this getation , Soil , or Hydrology		i∴ <u>6</u>						
Are clima Are Ve Are Ve	atic/hydrologic conditions on the site typical for this getation, Soil, or Hydrology	time of y		2.88103056		Long.:148.255005479			
Are Ve Are Ve	getation , Soil , or Hydrology	time of y		NWI classification: PSS1/3B					
-	ARY OF FINDINGS - Attach site map she	naturall	antly ly pro	disturbed?	(If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes No ded, explain any answers in Remarks.) s, transects, important features, etc.			
V	lydrophytic Vegetation Present? Yes ● No lydric Soil Present? Yes ● No lydrology Present? Yes ● No lydrology Present?))			the Sam	pled Area 'etland? Yes ● No ○			
EGE	TATION -Use scientific names of plants.	List all	spec	cies in the	plot.				
	_	Absol		Dominant		Dominance Test worksheet:			
	Stratum	<u> % Co</u>		Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 6(A)			
1.			0			Total Number of Dominant			
2. –			0			Species Across All Strata: 6 (B)			
3. 4.			0			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)			
4 . – 5.			0						
	Total Cove		1			Prevalence Index worksheet: Total % Cover of: Multiply by:			
Sapli	ng/Shrub Stratum 50% of Total Cover:	0	20% c	of Total Cover	. 0	OBL Species 2 x 1 = 2			
1. <u>l</u>	Betula nana	_ :	25_	✓	FAC	FACW Species <u>38</u> x 2 = <u>76</u>			
2.	/accinium uliginosum		40	✓	FAC	FAC Species <u>124</u> x 3 = <u>372</u>			
3. <u>I</u>	Ledum decumbens		35	✓	FACW	FACU Species <u>0.1</u> x 4 = <u>0.400</u>			
4	/accinium vitis-idaea		25	~	FAC	UPL Species0 x 5 =0			
5. <u>I</u>	Empetrum nigrum		20		FAC	Column Totals: <u>164.1</u> (A) <u>450.4</u> (B)			
_	Andromeda polifolia (IAM)		2		OBL	Prevalence Index = B/A = 2.745			
_	Picea glauca	_ (0.1		FACU				
	Ledum groenlandicum		2		FAC	Hydrophytic Vegetation Indicators:			
_	Betula glandulosa		5		FAC	✓ Dominance Test is > 50%			
10			0			Prevalence Index is ≤3.0			
Herb	Stratum 50% of Total Cover:				r: <u>30.82</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
_	Rubus chamaemorus		2	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)			
_	Carex bigelowii		7	✓	FAC	¹ Indicators of hydric soil and wetland hydrology must			
٠	Pedicularis labradorica		1		FACW	be present, unless disturbed or problematic.			
			0			Plot size (radius, or length x width)			
			0			% Cover of Wetland Bryophytes			
			0			(Where applicable)			
			0			% Bare Ground			
			0			Total Cover of Bryophytes 40			
			0						
10	Total Cove			_		Hydrophytic Vegetation			
	50% of Total Cover:			of Total Cover	·: 2	Present? Yes • No O			

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SOIL Sampling Point: SW13_T108_01

JOIL								Sampinig	1 Point: 34412_1106_01			
Profile Descripti			eeded to docur	ment the indicator or co			cators)					
Depth	Matrix			Redox Features			_					
(inches)	Color (moist)		<u>%</u> _	Color (moist)	_%_	Type ¹	Loc ²	Texture	Remarks			
0-3			100					Fibric Organics	. ———			
3-8								Hemic Organics				
8-9	5YR	2.5/2	100					Sand	org nixed in			
9-18	10YR	3/3	100					Loamy Sand	org inclusions			
-												
-												
¹Type: C=Cor	ncentration. D	=Depletior	. RM=Reduc	ed Matrix ² Locatio	n: PL=Por	e Lining. RC	=Root Cha	nnel. M=Matrix				
Hydric Soil I	ndicators:			Indicators for P	roblemati	c Hydric So	oils: ³					
	r Histel (A1)			Alaska Color C		4		Alaska Gleyed Without H	ue 5Y or Redder			
Histic Epip	. ,			Alaska Alpine		-		Underlying Layer				
	Sulfide (A4)			Alaska Redox	With 2.5Y I	Hue	✓	Other (Explain in Remarks)				
Thick Dark	c Surface (A12)		2.5								
Alaska Gle	eyed (A13)			and an appropria				nary indicator of wetland hesent	nydrology,			
Alaska Red	. ,											
☐ Alaska Gle	eyed Pores (A1	5)		⁴ Give details of o	olor charly	e III Kellidik						
Restrictive Laye	er (if present):											
Type: fros	t							Hydric Soil Present	? Yes • No O			
Depth (inch	nes): 18											
Remarks: 9-18in: posIitiv	e reaction to a	ilpha alpha	n-dipyridyl									
HYDROLO	GY											
Wetland Hydi		ators:						_Secondary Indi	cators (two or more are required)			
Primary Indica	tors (any one	is sufficier	t)					Water Stained Leaves (B9)				
Surface W	Vater (A1)			Inundation \	/isible on A	erial Image	ry (B7)	(B7) Drainage Patterns (B10)				
	High Water Table (A2) Sparsely Vegetated Concave Surface											
Saturation (A3)				Marl Deposit	` ,			✓ Presence of Reduced Iron (C4)				
☐ Water Marks (B1) ☐ G. II. (B2)				☐ Hydrogen Si				Salt Deposits (C5)				
	Deposits (B2)			Dry-Season				☐ Stunted or Stressed Plants (D1)✓ Geomorphic Position (D2)				
	☐ Drift Deposits (B3) ☐ Other (Explain in Remarks)							✓ Geomorph ✓ Shallow Ad				
	☐ Algal Mat or Crust (B4) ☐ Iron Deposits (B5)								graphic Relief (D4)			
	oil Cracks (B6)	1						✓ FAC-neutra				
Field Observa		<u>'</u>										
Surface Water		Yes	No ●	Depth (inch	es):							
Water Table P	Present?	Yes (No O	Depth (inch	-c)· 4		Wetlar	nd Hydrology Presen	nt? Yes • No O			
Saturation Pre			No O		•			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
(includes capi				Depth (inch								
Describe Recor	ded Data (stre	eam gauge	, monitor we	ll, aerial photos, pre	vious inspe	ection) if ava	ailable:					
Remarks:												
. terriaritor												

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