## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority	• •	Alaska Energy Authority			-	Sampling Point: CM12 TE2 02			
Landform (hillside, terrace, hummocks etc.): Hillside	nvestigator(s):	3, 1, 1,				Sampling Fount. SW12 152 UZ			
Local relief (concave, convex, none):   convex   Slope:   % / 4.9 ° Elevation:   718	• ,	CTS. EKJ		Landform (hill	lside, terrac				
Subregion: Interior Alaska Mountains  Lat: 62.7930714794  Long: -148.538032401  Datum: NAD83  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	Local relief (conca								
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)  Are Vegetation	·		l at ·	 .62 703071470					
Are climatic/hydrologic conditions on the site typical for this time of year?  Are Vegetation			Lut	02.793071473	<del>34</del>				
Are Vegetation	•		#: <b>f</b>	-0 Voo	No ○				
Hydric Soil Present? Wetland Hydrology Present? Yes No No Wetland?  Remarks: Slcbe, Betgla is boderline tall in spots  WEGETATION - Use scientific names of plants. List all species in the plot.    Tree Stratum	Are Vegetation Are Vegetation	, Soil , or Hydrology, , Soil , or Hydrology, , Soil , or Hydrology,	significantl naturally p	ly disturbed? roblematic?	Are "N (If nee	ormal Circumstances" present? Yes   No   ded, explain any answers in Remarks.)			
Wetland Hydrology Present? Yes No  Wetland Present? Yes No  Within a Wetland? Yes No   Wetland? Yes No   Within a Wetland? Yes No   Within a Wetland? Yes No   No   Wetland? Yes No   No   No   Pominance Test worksheet:  Number of Dominant Species That are OBL, FACW, or FAC:2 (A) Total Number of Dominant Species Across All Strata:3 (B)  Percent of dominant Species That Are OBL, FACW, or FAC:66.7% (A/B)  Prevalence Index worksheet: Total % Cover of: Multiply by:	Hydrophytic	o a constant of the constant o		la la	the Com	wlad Avea			
Wetland Hydrology Present? Yes No   Remarks: Slcbe, Betgla is boderline tall in spots  VEGETATION - Use scientific names of plants. List all species in the plot.  Tree Stratum  1.  2.  3.  4.  5.  1.  0.  0.  0.  0.  0.  0.  0.  0.  0	Hydric Soil	Present? Yes O No	$\odot$			-			
VEGETATION - Use scientific names of plants. List all species in the plot.    Tree Stratum	Wetland Hy	drology Present? Yes O No	•	W	itnin a w	etiand? Tes UNO S			
Absolute % Cover 9 Dominant Indicator Species? Status  1. 0 0 Total Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)  2. 0 0 Total Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)  3. 0 Percent of dominant Species That Are OBL, FACW, or FAC: 3 (B)  5. 0 Percent of dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)  Frevalence Index worksheet: Total % Cover of: Multiply by:	Remarks: Slcbe, F	Betgla is boderline tall in spots							
That are OBL, FACW, or FAC: 2 (A)  Total Number of Dominant Species Across All Strata: 3 (B)  Percent of dominant Species That Are OBL, FACW, or FAC: 2 (A)  Total Number of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)  Percent of dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)  Prevalence Index worksheet: Total % Cover of: Multiply by:		-Use scientific names of plants.	Absolute	Dominant	Indicator				
2									
3. O O O O O O O O O O O O O O O O O O O	2.								
4	3								
Total Cover: 0 20% of									
Total Cover: 0 Total % Cover of: Multiply by:	5.		0			Prevalence Index worksheet:			
Sanling (Shrub Stratum 50% of Total Cover: 0 20% of Total Cover: 0		Total Cove	er: <u>0</u>						
Sapring/Shrub Stratum OBL Species 0 x1 = 0	Sapling/Shrub S	Stratum 50% of Total Cover:	0 20%	6 of Total Cover	:0	OBL Species 0 x 1 = 0			
1. Betula glandulosa 50 ✓ FAC FACW Species 20 x 2 = 40	1 Betula glar	idulosa	50	<b>✓</b>	FAC				
2. Picea glauca 2 FACU FAC Species 161 x 3 = 483	-			. –		FAC Species 161 x 3 = 483			
3. Vaccinium uliginosum 70 ✔ FAC FACU Species 12.1 x 4 = 48.40		uliginosum	70	· •	FAC	FACU Species <u>12.1</u> x 4 = <u>48.40</u>			
4. Vaccinium vitis-idaea 10 FAC UPL Species 0 x 5 = 0	4. Vaccinium		10		FAC	UPL Species0 x 5 =0			
5. Rhododendron tomentosum 20 FACW Column Totals: 193.1 (A) 571.4 (B)	5. Rhododeno	dron tomentosum	20		FACW	Column Totals: 193.1 (A) 571.4 (B)			
6. Empetrum nigrum 30 FAC	6. Empetrum	nigrum	30	. $\square$	FAC				
7. Spiraea stevenii 0.1 Prevalence Index = B/A = 2,959	7. Spiraea ste	evenii	0.1	. 🔲	FACU	Prevalence Index = B/A =			
8 O Hydrophytic Vegetation Indicators:	8		0	. 📙		Hydrophytic Vegetation Indicators:			
9 0				. 📙		✓ Dominance Test is > 50%			
10 0	10			. $\square$					
Total Cover: 182 Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)	Herb Stratum			% of Total Cover	r: <u>36.42</u>	Remarks or on a separate sheet)			
1. Cornus canadensis 10 FACU Problematic Hydrophytic Vegetation (Explain)	Cornus car	nadensis	10	. 💆	FACU				
2. Equisetum sylvaticum  1 FAC  Indicators of hydric soil and wetland hydrology must		•			FAC				
3 be present, unless disturbed or problematic.				. 📙		be present, unless disturbed or problematic.			
4 Plot size (radius, or length x width)				. 📙		Plot size (radius, or length x width)			
5				. 📙		, , , ,			
o (where applicable)						, , , ,			
7									
8				·		Total Cover of Bryophytes 15			
						Hydrophytic			
Total Cover: 11 Vegetation	10.		er: 11	. —		Vegetation			
50% of Total Cover: 5.5 20% of Total Cover: 2.2 Present? Yes No	i .		-			Present? Yes   No			

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SOIL Sampling Point: SW12\_T52\_02

Profile Descripti	ion: (Describe to t	he depth ne	eded to docu	iment the indicator or co	nfirm the at	sence of indic	ators)			
Depth		1atrix			lox Featu			-		
(inches)	Color (moi	st)	%	Color (moist)	%	Type <sup>1</sup>	<u>Loc</u> 2	Texture	Remarks	
0-1			100					Fibric Organics	7% roots	
1-2	10YR	5/2	100					Sandy Loam	bit of charcoal	
2-5	5Y	2.5/2	100					Sandy Loam	thin layer at bottom is 2.5YR 2.5/3	
5-7	7.5YR	3/3	100					Sandy Loam		
7-9	10YR	4/6	100					Fine Loamy Sand		
9-15	10YR	4/4	90					Fine Loamy Sand	semiangular gravel and cobble	
									-	
Type: C=Cor	ncentration. D=	Depletion	RM=Redu	ced Matrix <sup>2</sup> Location	n: PL=Por	e Lining. RC	=Root Cha	nnel. M=Matrix		
Hydric Soil I	ndicators:			Indicators for Pr	oblemati	c Hvdric Sc	oils:			
	r Histel (A1)			Alaska Color Ch		4		Alaska Gleyed Without H	lue 5Y or Redder	
	edon (A2)			Alaska Alpine s		-		Underlying Layer		
	Sulfide (A4)			Alaska Redox V	Vith 2.5Y	Hue		Other (Explain in Remark	ks)	
Thick Dark	c Surface (A12)			3.5						
Alaska Gle	eyed (A13)			One indicator of and an appropriat				nary indicator of wetland hesent	nydrology,	
Alaska Red	dox (A14)					•	•			
☐ Alaska Gle	eyed Pores (A15	)		<sup>4</sup> Give details of co	DIOT CHANG	e in Remark	5			
Restrictive Laye	er (if present):									
Type:								<b>Hydric Soil Present</b>	:? Yes ○ No •	
Depth (inch	nes):									
Remarks:										
no hydric soil ir	ndicators									
1										
HYDROLO	GY									
Wetland Hyd		tors:						Secondary Indi	icators (two or more are required)	
-	itors (any one is		:)						ined Leaves (B9)	
Surface W	Vater (A1)			☐ Inundation V	isible on A	Aerial Imager	y (B7)	☐ Drainage I	Patterns (B10)	
☐ High Wate	er Table (A2)			Sparsely Veg	etated Co	ncave Surfac	e (B8)	Oxidized R	Rhizospheres along Living Roots (C3)	
☐ Saturation	n (A3)			Marl Deposits	s (B15)			Presence of	of Reduced Iron (C4)	
☐ Water Ma	rks (B1)			Hydrogen Su	lfide Odor	(C1)		Salt Depos	sits (C5)	
Sediment	Deposits (B2)			☐ Dry-Season \	Vater Tab	le (C2)		Stunted or	r Stressed Plants (D1)	
☐ Drift Depo	osits (B3)			Other (Explai	n in Rema	rks)		Geomorph	ic Position (D2)	
Algal Mat	or Crust (B4)							Shallow Ad	quitard (D3)	
☐ Iron Depo	osits (B5)							Microtopo	graphic Relief (D4)	
Surface S	oil Cracks (B6)							FAC-neutra	al Test (D5)	
Field Observa	ations:									
Surface Water	r Present?		No 💿	Depth (inche	s):					
Water Table P		Yes C	No 💿	Depth (inche	s):		Wetlar	nd Hydrology Preser	nt? Yes O No 🗨	
Saturation Pre (includes capi		Yes C	No 💿	Depth (inche	s):					
Describe Recor	ded Data (strea	am gauge,	monitor w	ell, aerial photos, pre	ious inspe	ection) if ava	ilable:			
Remarks:										
no wetland hydrology indicators										

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