## WETLAND DETERMINATION DATA FORM - Alaska Region

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Applic	ant/Owner: Alaska Energy Authority				Sampling Point: SW12_T22_02			
	igator(s): JGK		Landform (hillside, terrace, hummocks etc.): Hillside					
	relief (concave, convex, none): hummocky		Slope: % / 32.5 ° Elevation: 902					
	gion : Interior Alaska Mountains	lat: (						
		Lat	02.700470007	3				
	ap Unit Name:		- \	No ○	NWI classification: Upland			
Are \	Vegetation ☐ , Soil ☐ , or Hydrology ☐    MARY OF FINDINGS - Attach site map show	significantly naturally pr wing sam	/ disturbed? oblematic?	Are "N (If nee	(If no, explain in Remarks.)  Iormal Circumstances" present? Yes No Oeded, explain any answers in Remarks.)  Iormal Circumstances" present? Yes No Oeded, explain any answers in Remarks.)			
	Hydrophytic Vegetation Present? Yes No		le	the Sam	nled Area			
	Hydric Soil Present? Yes No (		Is the Sampled Area within a Wetland? Yes ○ No ●					
_	Wetland Hydrology Present? Yes ○ No ◉ larks:	)	WI	uiiii a vv	etialiu: 165 s No s			
VEG	ETATION - Use scientific names of plants. Li	st all spe	cies in the	•	Dominance Test worksheet:			
	ee Stratum	% Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)			
1.					Total Number of Dominant			
2.		0			Species Across All Strata:5(B)			
3.		0			Percent of dominant Species			
4.		0			That Are OBL, FACW, or FAC: 60.0% (A/B)			
5.		0			Prevalence Index worksheet:			
	Total Cover				Total % Cover of: Multiply by:			
Sa	pling/Shrub Stratum 50% of Total Cover:	0 20%	of Total Cover:	0	OBL Species			
1.	Vaccinium uliginosum	20	<b>✓</b>	FAC	FACW Species 0 x 2 = 0			
2.	Vaccinium vitis-idaea	15		FAC	FAC Species			
3.	Betula glandulosa	25	✓	FAC	FACU Species <u>27</u> x 4 = <u>108</u>			
4.	Populus tremuloides	_20_	✓	FACU	UPL Species0 x 5 =0			
5.	Rosa acicularis	2		FACU	Column Totals: <u>102</u> (A) <u>333</u> (B)			
6.	Empetrum nigrum	10		FAC				
7.		0			Prevalence Index = B/A = 3.265			
8.		0			Hydrophytic Vegetation Indicators:			
9.		0			✓ Dominance Test is > 50%			
10.		0			☐ Prevalence Index is ≤3.0			
	Total Cover rb Stratum 50% of Total Cover:	92	of Total Cover	:18.4	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
He	Total Cover	92 46 20%		FACU	<ul> <li>Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</li> <li>Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)</li> </ul>			
1. 2.	rb Stratum 50% of Total Cover:  Chamaenerion angustifolium  Cornus canadensis	92 46 20% 0.1 5	of Total Cover	FACU	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  Indicators of hydric soil and wetland hydrology must			
1. 2. 3.	Total Cover rb Stratum 50% of Total Cover:  Chamaenerion angustifolium  Cornus canadensis  Festuca altaica	92 46 20% 0.1 5		FACU	<ul> <li>Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</li> <li>Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)</li> </ul>			
1. 2. 3. 4.	Total Cover rb Stratum 50% of Total Cover:  Chamaenerion angustifolium  Cornus canadensis  Festuca altaica	92 46 20% 0.1 5 5		FACU	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  Indicators of hydric soil and wetland hydrology must			
1. 2. 3. 4. 5.	Total Cover rb Stratum 50% of Total Cover:  Chamaenerion angustifolium  Cornus canadensis  Festuca altaica	92 46 20% 0.1 5 5 0 0		FACU	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Plot size (radius, or length x width)  Cover of Wetland Bryophytes  0			
1. 2. 3. 4. 5. 6.	Total Cover rb Stratum 50% of Total Cover:  Chamaenerion angustifolium  Cornus canadensis  Festuca altaica	92 46 20% 0.1 5 5 0 0		FACU	□ Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)     □ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)      ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Plot size (radius, or length x width) 10m			
1. 2. 3. 4. 5. 6. 7.	Total Cover rb Stratum 50% of Total Cover: Chamaenerion angustifolium Cornus canadensis Festuca altaica	92 46 20% 0.1 5 5 0 0 0		FACU	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Plot size (radius, or length x width)  Cover of Wetland Bryophytes (Where applicable)  Bare Ground  10			
1. 2. 3. 4. 5. 6. 7. 8.	Total Cover rb Stratum 50% of Total Cover: Chamaenerion angustifolium Cornus canadensis Festuca altaica	92 46 20% 0.1 5 5 0 0 0		FACU	□ Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)     □ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)      ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Plot size (radius, or length x width) 10m			
1. 2. 3. 4. 5. 6. 7. 8. 9.	Total Cover rb Stratum 50% of Total Cover: Chamaenerion angustifolium Cornus canadensis Festuca altaica	92 46 20% 0.1 5 5 0 0 0		FACU	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Plot size (radius, or length x width)  Cover of Wetland Bryophytes (Where applicable)  Bare Ground  Total Cover of Bryophytes  2			
1. 2. 3. 4. 5. 6. 7. 8. 9.	Total Cover rb Stratum 50% of Total Cover: Chamaenerion angustifolium Cornus canadensis Festuca altaica	92 46 20% 0.1 5 0 0 0 0 0		FACU	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Plot size (radius, or length x width)  Cover of Wetland Bryophytes (Where applicable)  Bare Ground  10			

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SOIL Sampling Point: SW12\_T22\_02

Profile Descript	ion: (Describe to t	he depth ne	eded to doc	ument the indicator or co	nfirm the at	sence of indica	ators)				
Depth	N	1atrix		Red	lox Feat						
(inches)	Color (moi	st)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-1			100					Fibric Organics	20 % roots		
1-3			100					Sapric Organics	20% roots		
3-4	7.5YR	4/3	100					Fine Sandy Loam	charcoal inclusions and staining		
4-7	10YR	3/6	70					Sandy Loam	ang to sub ang grvl to cobl and 5yr 3/4 incl		
7-17	7.5YR	4/6	70					Sandy Loam	ang to sub ang grvl to cobl and 5yr 3/4 incl		
¹Type: C=Cor	ncentration. D=	Depletion	. RM=Redu	ced Matrix <sup>2</sup> Location				nnel. M=Matrix			
Hydric Soil I	ndicators:			Indicators for Pr	oblemati	ic Hydric So	oils: <sup>3</sup>				
Histosol or	r Histel (A1)			Alaska Color Ch	nange (TA	4)		Alaska Gleyed Without Hue 5Y or Redder			
Histic Epip	pedon (A2)				Alaska Alpine swales (TA5)				Underlying Layer		
Hydrogen	Sulfide (A4)			Alaska Redox V	Vith 2.5Y	Hue		Other (Explain in Remark	(S)		
l —	k Surface (A12)			3 One indicator of	hydronhy	tic vegetatio	n one prim	nary indicator of wetland h	ovdrology		
Alaska Gle				and an appropriat					iydi ology,		
Alaska Red	` '			4 Give details of co	olor chanc	ıe in Remark	s				
☐ Alaska Gle	eyed Pores (A15	)		GIVE details of ex	olor chang	je ili rtemart					
Restrictive Laye	er (if present):										
Type:								<b>Hydric Soil Present</b>	? Yes ○ No •		
Depth (inch	nes):										
HYDROLO	GY										
	rology Indicat	tors:						Secondary Indi	cators (two or more are required)		
_	ntors (any one is		t)					Water Stained Leaves (B9)			
Surface W	Vater (A1)			☐ Inundation V	isible on A	Aerial Imager	y (B7)	☐ Drainage F	Patterns (B10)		
High Water Table (A2)				Sparsely Vegetated Concave Surface (B8)				Oxidized R	hizospheres along Living Roots (C3)		
Saturation	n (A3)			☐ Marl Deposits	(B15)			Presence of	of Reduced Iron (C4)		
☐ Water Ma	ırks (B1)			Hydrogen Su	lfide Odor	(C1)		Salt Depos	its (C5)		
Sediment	Deposits (B2)			Dry-Season V	Vater Tab	le (C2)		Stunted or	Stressed Plants (D1)		
Drift Depo	osits (B3)			Other (Explai	n in Rema	arks)		☐ Geomorph	ic Position (D2)		
l — -	or Crust (B4)								quitard (D3)		
Iron Depo	` ,							☐ Microtopog	graphic Relief (D4)		
	oil Cracks (B6)							☐ FAC-neutra	al Test (D5)		
Field Observa		(									
Surface Water	r Present?		No 💿	Depth (inche	s):						
Water Table F		Yes 🤇	No 💿	Depth (inche	s):		Wetlar	nd Hydrology Presen	t? Yes ○ No •		
Saturation Pre (includes capi	llary fringe)		No •	Depth (inche							
Describe Recor	ded Data (strea	am gauge,	monitor w	ell, aerial photos, prev	vious insp	ection) if ava	ilable:				
Remarks:											

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