WETLAND DETERMINATION DATA FORM - Alaska Region

Project	-	•		Boroug	h/City:	Matanusk	a-Susitna Borough Sampling Date: 30-Jul-12
Applica	ant/Owner: Alaska Energy A	uthority					Sampling Point: SW12_T05_07
	gator(s): CTS, EKJ						e, hummocks etc.): Channel (active)
₋ocal r	relief (concave, convex, none)	convex		_ Slope	3.5	% / <u>2.0</u>	elevation: 537
Subreg	gion: Interior Alaska Mountai	ns	Lat.:	62.78	2619907	9	Long.:147.905049974
Soil Ma	ap Unit Name:						NWI classification: R3USC
Are V Are V	matic/hydrologic conditions on /egetation , Soil , Soil , Soil , Soil . MARY OF FINDINGS - A Hydrophytic Vegetation Prese	, or Hydrology	significar naturally wing sa	ntly distu problem	rbed? natic?	(If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○ Iorded, explain any answers in Remarks.) Iorded, explain any answers in Remarks.) Iorded, explain any answers in Remarks.)
	Hydric Soil Present? Wetland Hydrology Present? narks:	Yes No C)			the Sam thin a W	pled Area etland? Yes No
	ETATION - Use scientific	names of plants. Li	st all s			olot.	Dominance Test worksheet:
Tre	e Stratum		% Cov		ecies?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)
1.			0	<u> </u>			That are OBL, FACW, or FAC: 4 (A) Total Number of Dominant
2.			0)			Species Across All Strata:5 (B)
3.			0	<u> </u>			Percent of dominant Species
4.			0	<u></u>			That Are OBL, FACW, or FAC: 80.0% (A/B)
5. Sap	oling/Shrub Stratum	Total Cover 50% of Total Cover:) 0% of Tot	al Cover:	0	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL Species 0 x 1 = 0
		_			✓		FACW Species 5.1 x 2 = 10.2
	Salix alaxensis		1		▼	FACU	FAC Species 5.2 x 3 = 15.6
	Populus balsamifera Alnus viridis ssp. sinuata			_	✓	FAC	FACU Species 1.3 x 4 = 5.200
4.	·			_		TAC	UPL Species 0 x 5 = 0
5.			_	_			
6.			_	_	\Box		Column Totals: <u>11.6</u> (A) <u>31</u> (E
7.			_	_			Prevalence Index = B/A = 2.672
8.			0	_			Hydrophytic Vegetation Indicators:
_			_	_			✓ Dominance Test is > 50%
10.							✓ Prevalence Index is ≤3.0
		Total Cover	3	_			Morphological Adaptations (Provide supporting data in
Her	b Stratum_	50% of Total Cover:		.0% of To	tal Cover	0.6	Remarks or on a separate sheet)
1.	Sanguisorba canadensis		0.	1_		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2.	Parnassia palustris		5		✓	FACW	¹ Indicators of hydric soil and wetland hydrology must
3.	Eurybia sibirica		1	_		FAC	be present, unless disturbed or problematic.
4.	Astragalus alpinus		0.	1		FAC	Plot size (radius, or length x width) 10m
5.	Chamerion latifolium			<u> </u>	✓	FAC	Plot size (radius, or length x width) 10m Cover of Wetland Bryophytes 0
6.	Hedysarum alpinum		0.	1		FACU	(Where applicable)
7.	Equisetum scirpoides		0.	1		FACU	% Bare Ground 95
8.	Festuca rubra		0.	_		FAC	Total Cover of Bryophytes
9.	Artemisia tilesii		0.	_		FACU	
10.			0	_	\Box		Hydrophytic
		Total Cover:4			al Cover:	1.720	Vegetation Present? Yes No ○
Rem	narks: shrubs included with h		.300 20	0% of Tot			Vegetation

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SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Sampling Point: SW12_T05_07

Profile Description: (Describe to t	1atrix		Red	lox Featu			_	
(inches) Color (moi	st)	%	Color (moist)	%	Type ¹	<u>Loc</u> 2	Texture	Remarks
								- I
								P
						-		
						-		-
17 00								-
¹ Type: C=Concentration. D=	Depletion. I	KM=Reduc					annei. M=Matrix	
lydric Soil Indicators:			Indicators for Pro		4	oils: ¯	7	
Histosol or Histel (A1)			Alaska Color Ch		•		Alaska Gleyed Without H Underlying Layer	lue 5Y or Redder
Histic Epipedon (A2)			Alaska Alpine sv			.	Other (Explain in Remar	l _{(C})
Hydrogen Sulfide (A4)			☐ Alaska Redox W	Vith 2.5Y I	lue	•	Unier (Explain in Remar	KS)
Thick Dark Surface (A12)			³ One indicator of	hydrophy	tic vegetatio	on, one prir	mary indicator of wetland h	nydrology,
Alaska Gleyed (A13) Alaska Redox (A14)			and an appropriate					, 5,,
Alaska Redox (A14) Alaska Gleyed Pores (A15)	١		4 Give details of co	olor chang	e in Remarl	ks		
	<i></i>							
estrictive Layer (if present):							Under Call Bosses	:? Yes • No O
Type:							Hydric Soil Present	:? Yes © No O
Depth (inches): emarks: ver bar, assume hydric soil si	milar to SW	/12_T18_0	1.					
emarks: ver bar, assume hydric soil si	milar to SW	/12_T18_0	1.					
emarks: ver bar, assume hydric soil si YDROLOGY		/12_T18_0	1.					
emarks: ver bar, assume hydric soil si YDROLOGY Vetland Hydrology Indicat	tors:	/12_T18_0	1.					icators (two or more are required)
emarks: ver bar, assume hydric soil si YDROLOGY Vetland Hydrology Indicators Primary Indicators (any one is	tors:	/12_T18_0		icible on M	orial Image	(P7)	Water Sta	ined Leaves (B9)
Primary Indicators (any one is Surface Water (A1)	tors:	/12_T18_0	Inundation Vi		_		Water Sta	ined Leaves (B9) Patterns (B10)
YDROLOGY Vetland Hydrology Indicate Primary Indicators (any one is Surface Water (A1) High Water Table (A2)	tors:	/12_T18_0	☐ Inundation Vi ☐ Sparsely Vege	etated Co	_		☐ Water Sta ✓ Drainage I ☐ Oxidized F	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3)
Primary Indicators (any one is Surface Water (A1)	tors:	/12_T18_0	☐ Inundation Vi ☐ Sparsely Vege ☐ Marl Deposits	etated Co (B15)	ncave Surfa		Water Sta ✓ Drainage I Oxidized F Presence o	ined Leaves (B9) Patterns (B10) thizospheres along Living Roots (C3) of Reduced Iron (C4)
YDROLOGY Vetland Hydrology Indicate Primary Indicators (any one is Surface Water (A1) High Water Table (A2) Saturation (A3)	tors:	/12_T18_0	Inundation Vi Sparsely Vege Marl Deposits Hydrogen Sul	etated Co (B15) fide Odor	ncave Surfa		Water Sta ✓ Drainage I Oxidized F Presence 0 Salt Depos	ined Leaves (B9) Patterns (B10) thizospheres along Living Roots (C3) of Reduced Iron (C4)
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