WETLAND DETERMINATION DATA FORM - Alaska Region

pplicant/Owner: Alaska Energy Authority		Borough/City: Matanuska-Susitna Borough Sampling Date: 05-Aug-12					
PPIIOGING CHITCH. AIGSTA ETICITY AUTHORITY				Sampling Point: S	W12_T35_06		
vestigator(s): CTS, EKJ	La	Landform (hillside, terrace, hummocks etc.): Toeslope Slope: 3.5 % / 2.0 ° Elevation: 1018					
ocal relief (concave, convex, none): flat	s						
ubregion : Southcentral Alaska	 Lat: 63	2.899519908			atum: WGS84		
oil Map Unit Name:		2.000010000					
		Vac	No ○	NWI classification: PEM1	3		
Are Vegetation . , Soil . , or Hydrology . nature UMMARY OF FINDINGS - Attach site map showing	ficantly o	disturbed? blematic?	Are "N (If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes eded, explain any answers in Remarks.) s, transects, important features,			
Hydrophytic Vegetation Present? Yes ● No ○			41 0	olad Ana			
Hydric Soil Present? Yes ● No ○		Is the Sampled Area within a Wetland? Yes ● No ○					
Wetland Hydrology Present? Yes ● No ○		Wi	thin a W	etland? res @ No C			
Remarks:							
EGETATION - Use scientific names of plants. List a	ill spec	ies in the	<u> </u>	Dominance Test worksheet:			
	Cover	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC:	5 (A)		
1				Total Number of Dominant			
2	0			Species Across All Strata:	5 (B)		
3				Percent of dominant Species			
4				That Are OBL, FACW, or FAC:	100.0% (A/B)		
5				Prevalence Index worksheet:			
Total Cover: _				Total % Cover of: Multiply	by:		
Sapling/Shrub Stratum 50% of Total Cover: 0	_ 20% o	f Total Cover:	0	OBL Species 8 x 1 =	8		
1. Salix reticulata	1		FAC	FACW Species 25 x 2 =	50		
2. Salix fuscescens	5	✓	FACW	FAC Species <u>42</u> x 3 =	126		
Vaccinium uliginosum	8	✓	FAC	FACU Species0 x 4 =	0		
4. Empetrum nigrum	3		FAC	UPL Species 8 x 5 =	40		
5	0			Column Totals: 83 (A)	224 (B		
6	0				2.600		
7	0			Prevalence index = B/A =	2.699		
8				Hydrophytic Vegetation Indicators:			
9	0			✓ Dominance Test is > 50%			
10				✓ Prevalence Index is ≤3.0			
Total Cover: _ Herb Stratum 50% of Total Cover: _ 8.5	17 20% c	_	3.4	Morphological Adaptations ¹ (Provide Remarks or on a separate sheet)			
Sanguisorba canadensis	15	~	FACW	Problematic Hydrophytic Vegetation ¹			
Aster alpinus var. vierhapperi	8		UPL	¹ Indicators of hydric soil and wetland hydr	ology must		
3. Swertia perennis			FACW	be present, unless disturbed or problemat	C.		
4. Spiranthes romanzoffiana	4	 	OBL	Plot size (radius, or length x width)	_10m		
5. Equisetum arvense	10		FAC	% Cover of Wetland Bryophytes	10		
6. Pedicularis verticillata	1 15		FAC FAC	(Where applicable)			
7. Festuca altaica	2		OBL	% Bare Ground	0		
8. Caltha leptosepala			OBL	Total Cover of Bryophytes	_10		
9. Trichophorum alpinum 10. Calamagrostis canadensis	4		FAC				
10. Calamagrostis canadensis Total Cover:	66		TAC	Hydrophytic Vegetation			
50% of Total Cover: 33	Present? Yes • No						

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SOIL Sampling Point: SW12_T35_06

Depth	Ma [*]		cument the indicator or co	dox Featu						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	<u>Loc</u> 2	Texture	Remarks		
0-2		100					Fibric Organics			
2-18		80		_			Hemic Organics	20% roots		
				-						
1				- DI Da		Doot Cha	and M. Mahii.			
		pietion. KM=Keai	uced Matrix ² Locatio				nnei. M=Matrix			
Hydric Soil I			Indicators for P		4	oils:	1			
✓ Histosol or	. ,		Alaska Color C		-		☐ Alaska Gleyed Without Hue 5Y or Redder Underlying Layer			
Histic Epip			Alaska Alpine				Other (Explain in Remarks)			
	Sulfide (A4)		Alaska Redox	With 2.5Y i	lue		Other (Explain in Remark	3)		
	Surface (A12)		³ One indicator of	f hydrophy	tic vegetatio	n, one prin	nary indicator of wetland h	ydrology,		
Alaska Gle			and an appropria							
Alaska Red	eyed Pores (A15)		⁴ Give details of o	olor chang	e in Remark	S				
	. ,									
Restrictive Layer Type:	er (II present):						Hydric Soil Present	? Yes ● No ○		
Depth (inch	nes).						nyunc son Present	r les 🕓 NO 🖰		
	103).									
Remarks:										
HYDROLO										
-	rology Indicator							cators (two or more are required)		
	tors (any one is s	ufficient)						ned Leaves (B9)		
Surface W	` ,		☐ Inundation \		_			Patterns (B10)		
✓ High Wate			Sparsely Veg	•	ncave Surfac	ce (B8)		hizospheres along Living Roots (C3)		
✓ Saturation	. ,		Marl Deposit	,				f Reduced Iron (C4)		
☐ Water Ma			Hydrogen St				☐ Salt Depos			
	Deposits (B2)		Dry-Season					Stressed Plants (D1) ic Position (D2)		
☐ Drift Depo	or Crust (B4)		Other (Expla	ıın ın Rema	rks)			juitard (D3)		
☐ Algai Mat								graphic Relief (D4)		
	oil Cracks (B6)						✓ FAC-neutra			
Field Observa							TAC ficula	11 1031 (123)		
Surface Water		Yes O No 🖲	Depth (inch	es):						
Water Table P		Yes ● No C	` `	,		Wetla	nd Hydrology Presen	t? Yes ● No ○		
Saturation Pre			Dopen (men	es): 8		Wetiai	na riyarology Fresen	L: 165 C 110 C		
(includes capi		res ● No ○	Depth (inch	es): 1						
Describe Recor	ded Data (stream	gauge, monitor v	vell, aerial photos, pre	vious inspe	ection) if ava	ilable:				
Remarks:										

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