WETLAND DETERMINATION DATA FORM - Alaska Region

Project/Site: Susitna-V	Borou	ugh/City:	Matanuska-Susitna Borough Sampling Da			e: 26-Jun-12	
Applicant/Owner: Alas	ka Energy Authority				Sampli	ng Point:	SW12_T20_11
Investigator(s): JGK		Lan	dform (hill	side, terrace, hu	immocks etc.):	Knob	
Local relief (concave, con	nvex, none): convex	Slo	pe: 17.6	%/ 10.0 °	Elevation: 587	7	
Subregion : Southcentra	al Alaska	Lat.: 62.7	24909908	5 Lor	ng.: -148.828859	971	Datum: WGS84
Soil Map Unit Name:					NWI classi	ification: Upla	and
, Č	onditions on the site typical for this , Soil , or Hydrology , Soil , or Hydrology	time of year? significantly dis naturally proble		Are "Norma	(If no, explain in al Circumstances" explain any answ	'present? Y	es 💿 No 🔿 s.)
SUMMARY OF FINE	DINGS - Attach site map she	owing sampli	ng point	locations, tra	ansects, impor	tant feature	s, etc.
Hydrophytic Vege Hydric Soil Preser		~		the Sample		\bigcirc	

within a Wetland?

Yes 🔾 No 🖲

Remarks:

Wetland Hydrology Present?

VEGETATION - Use scientific names of plants. List all species in the plot.

Yes 🔿 No 🖲

٨٢		Abc	bsolute Dominant		Indicator	Dominance Test worksheet:		
			over	Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)		
1.	Picea mariana		_	7	\checkmark	FACW		
2.			_	0			Total Number of Dominant Species Across All Strata:4(B)	
3.				0			Percent of dominant Species	
4.				0			That Are OBL, FACW, or FAC: (A/B)	
5.				0			Prevalence Index worksheet:	
Total Cover:			r:	7			Total % Cover of: Multiply by:	
Sap	ling/Shrub Stratum	50% of Total Cover:	3.5	20%	of Total Cover:	1.4	OBL Species x 1 =	
1.	Vaccinium uliginosum			15	\checkmark	FAC	FACW Species <u>32</u> x 2 = <u>64</u>	
2.	Vaccinium vitis-idaea			5		FAC	FAC Species x 3 =	
3.	Ledum decumbens			25	\checkmark	FACW	FACU Species <u>0</u> x 4 = <u>0</u>	
4.	Betula glandulosa			20	\checkmark	FAC	UPL Species x 5 =	
5.	Empotrum pigrum			5		FAC	Column Totals:77 (A)199 (B)	
6.			_	0				
				0			Prevalence Index = B/A =	
				0			Hydrophytic Vegetation Indicators:	
				0			✓ Dominance Test is > 50%	
				0			✓ Prevalence Index is \leq 3.0	
Total Cover: 70							Morphological Adaptations ¹ (Provide supporting data in	
He	b Stratum	50% of Total Cover:	35	20%	of Total Cover:	14	Remarks or on a separate sheet)	
1.				0			Problematic Hydrophytic Vegetation ¹ (Explain)	
				0			¹ Indicators of hydric soil and wetland hydrology must	
			0			be present, unless disturbed or problematic.		
				0			Plot size (radius, or length x width)10m	
				0			% Cover of Wetland Bryophytes 2	
6.				0			(Where applicable)	
				0			% Bare Ground _2	
				0			Total Cover of Bryophytes 50	
				0				
				0			Hydrophytic	
Total Cover: 0							Vegetation	
		50% of Total Cover:	0	20%	of Total Cover:	0	Present? Yes \odot No \bigcirc	
Ren	narks: tr rubcha picgla lycc	la 15% lichen						

pocket of low ericaceous shrub--surrounded by black spruce woodland

Profile Description: (Describe to the depth needed to docu Matrix						cators)						
Depth Matrix (inches) Color (moist) %		Redox Features Color (moist) _% Type ¹ _L			Loc 2	Texture	Remarks					
0-1			80			Туре	LUC	Fibric Organics	20% roots			
1-2			80					Sapric Organics	w/charcoal 20%			
		2/4		······	_							
2-4	7.5YR	3/4	100					Fine Sandy Loam	inclusions of oxidized areas			
4-7	5YR	2.5/2	90					Coarse Loamy Sand	coarse sand to rounded cobbles (10%)			
7-13	10R	2.5/1	85					Very Coarse Loamy Sand	gradation into 5YR 2.5/2coarse S-rounded			
13-17	7.5YR	2.5/3	100					Very Coarse Loamy Sand				
						-						
¹ Type: C=Con	centration. D	=Depletior	n. RM=Redu	ced Matrix ² Locatio		-		nnel. M=Matrix				
Hydric Soil In	ndicators:			Indicators for P	roblematio	Hydric S	oils: ³					
Histosol or	Histel (A1)			Alaska Color C	hange (TA4	ł) [*]		Alaska Gleyed Without Hue 5Y or Redder				
Histic Epip	edon (A2)			Alaska Alpine	-	-	_	Underlying Layer				
	Sulfide (A4)			Alaska Redox	With 2.5Y F	lue		Other (Explain in Remark	(S)			
	Surface (A12	2)		³ One indicator of	hvdrophyt	ic vegetatio	on, one prin	nary indicator of wetland h	vdroloav.			
Alaska Gle				and an appropria					, 5, , ,			
Alaska Red	iox (A14) yed Pores (A1	E)		⁴ Give details of c	olor change	e in Remarl	ks					
Restrictive Laye	r (if present)	:										
Type:								Hydric Soil Present	? Yes 🔾 No 🖲			
Depth (inch	es):											
Remarks:												
	0.1/											
HYDROLO								Constant to the				
Wetland Hydr Primary Indicat			h +)						cators (two or more are required)			
Surface W		15 Sumeler		Inundation \	/isihle on A	erial Image	erv (87)	Water Stained Leaves (B9) Drainage Patterns (B10)				
	er Table (A2)			Sparsely Vec		-			hizospheres along Living Roots (C3)			
Saturation (A3)							cc (bb)		of Reduced Iron (C4)			
					ulfide Odor	(C1)		Salt Deposits (C5)				
Sediment	Dry-Season				Stunted or Stressed Plants (D1)							
🗌 Drift Depo	sits (B3)			Other (Expla				Geomorphic Position (D2)				
Algal Mat	Algal Mat or Crust (B4)							uitard (D3)				
Iron Deposits (B5)								raphic Relief (D4)				
□ Surface Soil Cracks (B6)												
Field Observa	tions:											
Surface Water	Present?) No 🖲		es):							
Water Table P	resent?	Yes	🔿 No 🖲	Depth (inche	es):		Wetlaı	nd Hydrology Presen	t? Yes 🔾 No 🖲			
Saturation Pre (includes capil		Yes 🤇) No 🖲	Depth (inche	es):							
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:												
Remarks:												
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