WETLAND DETERMINATION DATA FORM - Alaska Region

					a-Susitna Borough Sampling Date: 05-Aug-13		
ıt/Owner: Alaska Energy Aı	uthority				Sampling Point: SW13_T113_04		
			Landform (hill	side, terrac	e, hummocks etc.): terraces		
	concave		Slope: 3.5	% / 2.0	° Elevation: 1159		
on - Interior Alaska Mountair	ne .	Lat ·	62 770552030		Long.: -147.629790545 Datum: WGS84		
			02.110002000	<u>, </u>	NWI classification: PSS1B		
-	h		0 Vaa	■ No ○			
getation , Soil getation , Soil	, or Hydrology	significantly naturally pr	/ disturbed? oblematic?	Are "N (If nee	(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○ ded, explain any answers in Remarks.)		
ARY OF FINDINGS - A	ttach site map sho	wing sam	pling point	locations	s, transects, important features, etc.		
Hydrophytic Vegetation Preser	nt? Yes • No)	_				
lydric Soil Present?	Yes O No 🤄						
•	Yes ● No C)	wi	thin a W	etland? Yes ○ No •		
		eper leading	g edge suppor	ts closed dv	warf birch communities, flat tops hummocky ericaceous.		
FATION - Use scientific	names of plants. L	ist all spe	cies in the	plot.			
		Absolute	Dominant	Indicator	Dominance Test worksheet:		
Stratum		% Cover	Species?	Status	Number of Dominant Species		
		0_			That are OBL, FACW, or FAC: 5 (A)		
		0			Total Number of Dominant Species Across All Strata: 5 (B)		
		0			Percent of dominant Species		
		0			That Are OBL, FACW, or FAC: 100.0% (A/B)		
		0			Prevalence Index worksheet:		
	Total Cover	<u> </u>			Total % Cover of: Multiply by:		
ng/Shrub Stratum	50% of Total Cover:	0 20%	of Total Cover:	0	OBL Species0 x 1 =0		
Vaccinium uliginosum		25	✓	FAC	FACW Species 12 x 2 = 24		
•		5		FAC	FAC Species 72 x 3 = 216		
		15	✓	FAC	FACU Species 2 x 4 = 8		
0-1:1:-		10		FAC	UPL Species0 x 5 =0		
0 11 1 1				FACW	Column Totals: 86 (A) 248 (B)		
					Prevalence Index = B/A = 2.884		
		0			Hydrophytic Vegetation Indicators:		
		0			✓ Dominance Test is > 50%		
		0_			✓ Prevalence Index is ≤3.0		
Stratum				:12	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
Equisetum sylvaticum		5	✓	FAC	Problematic Hydrophytic Vegetation (Explain)		
*				FACU	Indicators of hydric soil and wetland hydrology must		
•			V		be present, unless disturbed or problematic.		
•					Plot size (radius, or length x width)		
					% Cover of Wetland Bryophytes		
					(Where applicable)		
Dotooitoo frigidus					% Bare Ground		
					Total Cover of Bryophytes		
<u> </u>							
i coluca alialca	Total Cover			170	Hydrophytic Vegetation		
			of Total Cover:	5.2	Present? Yes • No		
	ator(s): WAD, RWM lief (concave, convex, none): on: Interior Alaska Mountain of Unit Name: atic/hydrologic conditions on the getation	ator(s): WAD, RWM lief (concave, convex, none): concave Dn: Interior Alaska Mountains D Unit Name: atic/hydrologic conditions on the site typical for this ticgetation	ator(s): WAD, RWM lief (concave, convex, none): concave continuation concave concave	ator(s): WAD, RWM	Landform (hillside, terrac lief (concave, convex, none): Concave Slope: 3.5 % / 2.0 con: Interior Alaska Mountains Lat: 62.770552039		

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SOIL Sampling Point: SW13 T113 04

Profile Descript	cion: (Describe to	the depth need	ded to documen	nt the indicator or co	onfirm the ab	sence of indic	ators)	<u> </u>	10mt. 5W15_1115_04	
Depth		Matrix			edox Featu			_		
(inches)	Color (mo	ist)	<u>%</u> C	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-3			100					Fibric Organics		
3-4			100					Hemic Organcis		
4-14	5Y	3/1	80 5	5YR 3/4	20	RM	PL	Sandy Loam		
¹Type: C=Co	ncentration. D=	Depletion. F	RM=Reduced	Matrix ² Locatio	on: PL=Por	– ——— e Lining. RC	=Root Cha	annel. M=Matrix		
Hydric Soil I	ndicators:		I	ndicators for P	roblematic	c Hvdric Sc	oils:			
	r Histel (A1)			Alaska Color C		4		Alaska Gleyed Without Hu	ie 5Y or Redder	
	pedon (A2)			Alaska Alpine		-		Underlying Layer		
	Sulfide (A4)			Alaska Redox	•	•		Other (Explain in Remarks	s)	
	k Surface (A12))								
_	eyed (A13)		3	³ One indicator of and an appropria	f hydrophyt	ic vegetation	n, one prin	mary indicator of wetland hy	/drology,	
Alaska Re	dox (A14)				· ·	•	•	ESCIT		
Alaska Gle	eyed Pores (A15	5)	•	⁴ Give details of o	color change	e in Remark	.S			
Restrictive Lay	er (if present):									
Type:								Hydric Soil Present?	Yes ○ No •	
Depth (incl	hes):							•		
Remarks:							•			
redox features	do not meet re	quirement o	of value and c	hroma of 4 or m	ore for AK r	edox (A14)				
HYDROLO	IGY									
	rology Indica	tors:						Secondary Indic	ators (two or more are required)	
-	ators (any one i								ned Leaves (B9)	
☐ Surface V	Vater (A1)			☐ Inundation \	Visible on A	erial Imager	ry (B7)	☐ Drainage Pa	atterns (B10)	
High Wat	High Water Table (A2) Sparsely Vegetated Concave Surface (B						ce (B8)	✓ Oxidized Rh	nizospheres along Living Roots (C3)	
Saturation (A3) Marl Deposits (B15)							Presence of	Reduced Iron (C4)		
☐ Water Ma	arks (B1)			Hydrogen Si	ulfide Odor	(C1)		Salt Deposit	ts (C5)	
Sediment	Deposits (B2)			Dry-Season	Water Table	e (C2)			Stressed Plants (D1)	
Drift Dep				Other (Expla	ain in Rema	rks)		✓ Geomorphic	` '	
	or Crust (B4)							Shallow Aqu		
Iron Depo									raphic Relief (D4)	
	Soil Cracks (B6)						1	✓ FAC-neutral	Test (D5)	
Field Observa		Yes 〇	Na 📵	5 all Carl						
Surface Wate				Depth (inch	es):					
Water Table F		Yes 🔾		Depth (inch	es):		Wetlar	nd Hydrology Present	t? Yes • No O	
Saturation Pre (includes capi		Yes O	No •	Depth (inch	es):					
Describe Recor	rded Data (stre	am gauge, n	nonitor well, a	aerial photos, pre	evious inspe	ection) if ava	ilable:			
Remarks:										
Remarks:	out sides of pit	are moist wi	th some thixo	utronic natches, s	econdary in	udicators on	lv			
	out sides of pit	are moist wi	th some thixo	otropic patches. s	secondary in	ndicators on	ly			
	out sides of pit	are moist wi	th some thixo	otropic patches. s	secondary ir	ndicators on	ly			

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