WETLAND DETERMINATION DATA FORM - Alaska Region

Project/				Borough/City:	Matanusk	ca-Susitna Borough Sampling Date: 07-Jul-13		
	nt/Owner: Alaska Energy	Authority		1 alf 1 1	Unida (Sampling Point: SW13_T187_03		
_	jator(s): JGK			Landform (hillside, terrace, hummocks etc.): Hillside				
	elief (concave, convex, none			Slope: 8.7 % / 5.0 ° Elevation: 635				
Subreg	ion : Interior Alaska Mounta	ins	Lat.:	62.83653819	6	Long.:148.180022597		
Soil Ma	p Unit Name:					NWI classification: Upland		
Are Vo	natic/hydrologic conditions or egetation , Soil egetation , Soil egetation , Soil egetation .	, or Hydrology , or Hydrology	significant	tly disturbed? problematic?	(If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○ eded, explain any answers in Remarks.) s, transects, important features, etc.		
	Hydrophytic Vegetation Pres Hydric Soil Present? Wetland Hydrology Present? arks: DUNN SITE 1444 SOIL	Yes O No (the Sam	pled Area /etland? Yes ○ No ●		
	TATION -Use scientific		st all sp	ecies in the	plot.			
			Absolute			Dominance Test worksheet:		
	Stratum		% Cover		Status	Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)		
	Picea glauca			_	FACU	Total Number of Dominant		
2. 3.				- 📙		Species Across All Strata: 4 (B)		
4.			0	- 📙		Percent of dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)		
5.			0	- 🗀				
		Total Cover	: _1_	-		Prevalence Index worksheet: Total % Cover of: Multiply by:		
Sapl	ing/Shrub Stratum	50% of Total Cover:	OBL Species $0 \times 1 = 0$					
1	Betula nana		40	✓	FAC	FACW Species 35 x 2 = 70		
	Ledum decumbens		35	- <u>·</u>	FACW	FAC Species 85 x 3 = 255		
	Manadali i i i i i i i a a a i i a		- 20		FAC	FACU Species 2 x 4 = 8		
	Manadal as Bladdana				FAC	UPL Species 0 x 5 = 0		
5.	Diago alassa		-		FACU	Column Totals: <u>122</u> (A) <u>333</u> (B)		
6.								
7.			•			Prevalence Index = B/A = 2.730		
8.			0			Hydrophytic Vegetation Indicators:		
9.			0	- 📙		✓ Dominance Test is > 50%		
10.			0	_		✓ Prevalence Index is ≤3.0		
Herl	o Stratum_	Total Cover 50% of Total Cover:	r: <u>24.2</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)				
				- 📙		Problematic Hydrophytic Vegetation ¹ (Explain)		
				-		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
				-		be present, unless disturbed of problematic.		
				-		Plot size (radius, or length x width)		
				- 🗒		% Cover of Wetland Bryophytes (Where applicable)		
						% Bare Ground 2		
						Total Cover of Bryophytes 15		
9.			0			Hydrophytic		
				_				
		Total Cover	0	_		Vegetation Present? Yes No		

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW13_T187_03

	ion: (Describe to t	he depth nee	ded to docum	ent the inc		nfirm the abs		ators)			
Depth (inches)	Color (moi	st)	%	Color (m	ioist)	%	Type ¹	_Loc_2	Texture	Remarks	
0-3									Fibric Organics		
3-11									Hemic Organics	Extensive charcoal throughout horizon	
11-18		3/4	80	10YR	4/6	20	·	M	Sandy Silt		
11-10	1011			TUIK	4/0	20		ויו	Sanuy Siit	Some angular cobbles 0.5-2 in diam.	
									-		
¹Type: C=Cor	ncentration. D=	Depletion.							annel. M=Matrix		
Hydric Soil I	ndicators:			Indicat	ors for Pro	oblematio	c Hydric So	oils: ³			
Histosol or	r Histel (A1)			Alaska Color Change (TA4)					Alaska Gleyed Without Hue 5Y or Redder		
Histic Epip	edon (A2)			Alaska Alpine swales (TA5)					Underlying Layer		
Hydrogen	Sulfide (A4)			Alas	ka Redox W	/ith 2.5Y F	lue	L	Other (Explain in Remark	(S)	
Thick Dark	Surface (A12)			3 0 :-		. January					
Alaska Gle				o One in and an	appropriate	hydropnyt e landscar	tic vegetatioı pe position n	n, one prir nust be pr	mary indicator of wetland hesent	ydrology,	
Alaska Red	dox (A14)						•		CSCITE		
Alaska Gle	yed Pores (A15)		4 Give o	letails of co	lor change	e in Remark	s 			
Restrictive Laye	er (if present):										
Type: Ice									Hydric Soil Present? Yes ○ No •		
Depth (inch	nes): 21 in										
HYDROLO	GY										
Wetland Hydi	rology Indica	tors:							Secondary Indi	cators (two or more are required)	
Primary Indica	tors (any one is	sufficient)							Water Stai	ned Leaves (B9)	
Surface W	/ater (A1)			In:	undation Vi	sible on A	erial Imager	y (B7)	Drainage Patterns (B10)		
High Water Table (A2)					arsely Vege	etated Cor	ncave Surfac	ce (B8)	Oxidized R	hizospheres along Living Roots (C3)	
Saturation (A3)					arl Deposits	(B15)			Presence of	of Reduced Iron (C4)	
Water Mar	☐ Water Marks (B1) ☐ Hydrogen Sulfic						(C1)		Salt Depos	its (C5)	
Sediment	Deposits (B2)			☐ Dr	y-Season W	Vater Table	e (C2)			Stressed Plants (D1)	
Drift Depo	. ,			Ot	her (Explair	n in Rema	rks)		= '	ic Position (D2)	
	or Crust (B4)								✓ Shallow Ac		
Iron Depo	` ,								Microtopog	graphic Relief (D4)	
Surface So	oil Cracks (B6)							Т	☐ FAC-neutra	al Test (D5)	
Field Observa											
Surface Water	r Present?		No 💿	De	epth (inches	s):					
Water Table P	Present?	Yes 🔾	No 🕑	D€	epth (inches	5):		Wetla	nd Hydrology Presen	it? Yes ○ No •	
Saturation Pre (includes capil		Yes •	No O	De	epth (inches	s): 13					
Describe Record	ded Data (strea	am gauge, r	nonitor well	, aerial p	hotos, prev	ious inspe	ection) if ava	ilable:			
Remarks:											

U.S. Army Corps of Engineers Alaska Version 2.0