WETLAND DETERMINATION DATA FORM - Alaska Region

\nnlican						a-Susitna Borough Sampling Date: 06-Jul-13				
тррпсан	t/Owner: Alaska Energy Au	thority				Sampling Point: SW13_T111_05				
nvestigator(s): JER Landform (hillside, terrace, hummocks etc.): Knob										
_ocal re	lief (concave, convex, none):	convex	;	Slope: 1.7	% / 1.0	° Elevation: 1025				
Subreaid	on: Interior Alaska Mountains		 Lat.: 6	2.77000165		Long.: -148.142310023 Datum: WGS84				
	Unit Name:			2.77000100		NWI classification: Upland				
	-			Vac	● No ○					
	atic/hydrologic conditions on th		-			(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○				
		. , ., .	significantly			omai on ounictances procent				
Are Ve	getation \square , Soil \square	, or Hydrology	naturally pro	oblematic?	(If nee	ded, explain any answers in Remarks.)				
SUMM	ARY OF FINDINGS - Att	tach site map show	wing sam	pling point	locations	s, transects, important features, etc.				
F	Hydrophytic Vegetation Presen	t? Yes ● No C								
	lydric Soil Present?	Yes O No 🖲)	Is	the Sam	npled Area				
	Vetland Hydrology Present?	Yes O No @		wi	thin a W	etland? Yes O No 🗨				
Rema	rks: knob w, large sorted circl	les, center are sdee wi	th rocks at s	surface, marg	ins are slcb	oe e				
/FGF1	FATION - Use scientific r	names of plants Li	st all sne	ries in the I	alot					
LOL	TATION -03e scientific i	iames of plants. Li	st all spec	LIES III LITE	Jiot.	I Book on Table 1				
			Absolute	Dominant Species 2	Indicator	Dominance Test worksheet: Number of Dominant Species				
1 ree 1.	Stratum		% Cover 0	Species?	Status	That are OBL, FACW, or FAC: 8 (A)				
-						Total Number of Dominant				
2. 3.						Species Across All Strata: 8 (B)				
4.						Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)				
5.			0			111at Ale OBE, 1 AGW, 01 1 AG. 100.070 (A/B)				
-		Total Cover				Prevalence Index worksheet:				
Camili	na /Charle Chartern	50% of Total Cover:		of Total Cover:	0	Total % Cover of: Multiply by:				
Sapin	ng/Shrub Stratum	50% of Total cover.	0 20/00		0	OBL Species 0 x1 = 0				
1. <u>I</u>	Betula nana		15	✓	FAC	FACW Species 31 x 2 = 62				
2. <u>I</u>	Ledum decumbens		20	~	FACW	FAC Species 91 x 3 = 273				
3. <u>I</u>	Empetrum nigrum		25	V	FAC	FACU Species <u>26</u> x 4 = <u>104</u>				
_	Vaccinium uliginosum		15	✓	FAC	UPL Species 1 x 5 = 5				
-	Loiseleuria procumbens		10		FACU	Column Totals: <u>149</u> (A) <u>444</u> (B)				
_	Salix arctica				FACU	Prevalence Index = B/A = 2.980				
_	Vaccinium vitis-idaea		15	✓	FAC					
_	Salix pulchra				FACW	Hydrophytic Vegetation Indicators:				
_	Cassiope tetragona				FACU	✓ Dominance Test is > 50%				
10/	Arctostaphylos alpina				FACU	✓ Prevalence Index is ≤3.0				
Uaula	Chunkum	Total Cover 50% of Total Cover:		of Total Cover	25	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)				
-	otraca			✓		Problematic Hydrophytic Vegetation ¹ (Explain)				
_	Carex bigelowii				FAC					
_	Carex podocarpa				FAC UPL	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
J	Arnica lessingii Bistorta plumosa		1		FACU	De present, ameso distarbed or presidentiale.				
	Bistorta vivipara				FAC	Plot size (radius, or length x width)				
-	Calamagrostis canadensis		5	✓	FAC	% Cover of Wetland Bryophytes				
_	Festuca altaica		3	✓	FAC	(Where applicable)				
	Salix reticulata			Ī	FAC	% Bare Ground				
_	Tofieldia coccinea			$\overline{\Box}$	FAC	Total Cover of Bryophytes 45				
-	Tofieldia coccinea Pedicularis langsdorfii				FACW	Hardan bade				
10.	. ca.salario langodorni	Total Cover	24	_		Hydrophytic Vegetation				
	!			of Total Cover:	4.8	Present? Yes • No O				
						i e				

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SOIL Sampling Point: SW13 T111 05

Profile Descript	ion: (Describe to t	he depth n	eeded to docun	nent the inc	dicator or conf	firm the ab	sence of indic	ators)				
Depth	M	latrix			Red	ox Featu						
(inches)	Color (moi	st)	<u>%</u>	Color (m	ioist)	%	Type ¹	Loc_2	Texture	Remarks		
0-1			100						Fibric Organics			
1-14	2.5Y	4/3	85	10YR	4/4	10	C	M	Sandy Clay Loam	5y 5/2 reduced features and 7.5 yr 3/3 cry		
14-20	2.5Y	4/2	100						Coarse Sand	and gravel		
						-			-			
						-				-		
1		D l			21		D.C			· ———		
Type: C=Coi	ncentration. D=	Depletion	. RM=Reduce						nnel. M=Matrix			
Hydric Soil I	ndicators:				ors for Pro		4	oils:	1			
Histosol o	r Histel (A1)				ka Color Cha		-		☐ Alaska Gleyed Without Hue 5Y or Redder Underlying Layer			
	edon (A2)			☐ Alaska Alpine swales (TA5) ☐ Alaska Redox With 2.5Y Hue					Other (Explain in Remarks)			
	Sulfide (A4)			∟ Alas	ka Redox W	ith 2.5Y F	lue	V) Other (Explain in Remar	KS)		
	Surface (A12)			³ One ii	ndicator of h	nvdrophyt	ic vegetatio	n, one prin	nary indicator of wetland h	nydrology.		
Alaska Gle				and an	appropriate	landscap	e position r	nust be pre	esent	.,		
☐ Alaska Re	, ,	`		4 Give o	details of col	lor change	e in Remark	S				
Alaska Gle	eyed Pores (A15)										
Restrictive Laye	er (if present):											
Type:									Hydric Soil Present	:? Yes ○ No •		
Depth (incl	nes):											
HYDROLO	GY											
Wetland Hyd	rology Indicat	tors:							Secondary Indi	icators (two or more are required)		
Primary Indica	itors (any one is	sufficien	t)						Water Stained Leaves (B9)			
Surface V	Vater (A1)			In	undation Vis	sible on A	erial Image	ry (B7)	☐ Drainage I	Patterns (B10)		
	er Table (A2)			Sp	arsely Vege	tated Cor	ncave Surfac	ce (B8)		Rhizospheres along Living Roots (C3)		
Saturation					arl Deposits	` '				of Reduced Iron (C4)		
☐ Water Ma					drogen Sulf				☐ Salt Depos			
	Deposits (B2)				y-Season W					r Stressed Plants (D1)		
☐ Drift Depo				∐ Ot	her (Explain	in Rema	rks)			ic Position (D2)		
	or Crust (B4)									quitard (D3)		
☐ Iron Depo	oil Cracks (B6)								FAC-neutra	graphic Relief (D4)		
Field Observa									▼ FAC-Heutra	ar rest (D5)		
Surface Wate		Vec (No ●	De	epth (inches	٠١.						
			No O			•		Watle.	nd Hadralana Drasan	nt? Yes O No 💿		
Water Table F				De	epth (inches	5): 18		wetia	nd Hydrology Presen	it? Yes O No O		
Saturation Pre (includes capi		Yes 🤄	No 🔾	De	epth (inches	s): 14						
Describe Recor	ded Data (strea	ım gauge	, monitor wel	l, aerial p	hotos, previ	ious inspe	ection) if ava	ailable:				
Remarks:												
	drology indicato	rs										
·	37											
İ												

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