WETLAND DETERMINATION DATA FORM - Alaska Region

Project		t	Boroug	h/City:	Matanusk	a-Susitna Borough Sampling Date:	07-Jul-13
	nt/Owner: Alaska Energy Authority				•••		13_T187_02
-	gator(s): JGK			,		e, hummocks etc.): Lowland	
	elief (concave, convex, none): hummocky		Slope		% / 0.0 _		
Subreg	ion : Interior Alaska Mountains	Lat	62.84	0063453	3		tum: WGS84
Soil Ma	p Unit Name:					NWI classification: Upland	
Are V	natic/hydrologic conditions on the site typical for egetation , Soil , or Hydrology egetation , Soil , or Hydrology ### ARY OF FINDINGS - Attach site ma	significa	antly distu y problem	irbed? natic?	(If nee	(If no, explain in Remarks.) lormal Circumstances" present? Yes eded, explain any answers in Remarks.) s, transects, important features, e	
	Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Arks: DUNN SITE 1441 SOIL 1442	No O No O No O			the Sam thin a W	pled Area /etland? Yes ○ No ●	
/EGE	TATION - Use scientific names of pla	nts. List all s	species	in the	plot.	Dominous Testundulus	
T	- Stratum	Absolu % Cov		minant ecies?	Indicator Status	Dominance Test worksheet: Number of Dominant Species	
	e Stratum Picea glauca		<u>ver</u> <u>Sp</u> 15	ecies?	FACU	That are OBL, FACW, or FAC:	(A)
2.			0		TACO	Total Number of Dominant	2 (D)
3.			0	П		Species Across All Strata:	<u>3</u> (B)
4.			0			Percent of dominant Species That Are OBL, FACW, or FAC: 66	6.7% (A/B)
5.			0			Dravelance Index worksheets	
	Tota	l Cover:	5			Prevalence Index worksheet: Total % Cover of: Multiply b	v:
Sapl	ling/Shrub Stratum 50% of Total Cov	er: <u>7.5</u> 2	20% of Tot	al Cover:	3	OBL Species 0 x 1 =	0
1.	Betula nana	4	40	✓	FAC	FACW Species 30 x 2 =	60
1	Ledum decumbens		30	✓	FACW	FAC Species 95 x 3 =	285
3.	Vaccinium uliginosum		25		FAC	FACU Species 20.1 x 4 =	80.40
4.	Vaccinium vitis-idaea		15		FAC	UPL Species 0 x 5 =	0
5.	Empetrum nigrum		10		FAC	Column Totals: 145.1 (A)	425.4 (B)
6.	Ledum groenlandicum		5		FAC		
7.	Picea glauca		5		FACU	Prevalence Index = B/A =2	.932_
8.	Betula neoalaskana		0.1		FACU	Hydrophytic Vegetation Indicators:	
9.			0			✓ Dominance Test is > 50%	
10.			0			✓ Prevalence Index is ≤3.0	
Herl	Tota b Stratum 50% of Total Co	Il Cover: <u>13</u> ver: <u>65.05</u>		tal Cover	: _26.02	Morphological Adaptations ¹ (Provide su Remarks or on a separate sheet)	
1.			0			Problematic Hydrophytic Vegetation ¹ (E	
			0			¹ Indicators of hydric soil and wetland hydrold be present, unless disturbed or problematic.	ogy must
4.			0			Plot size (radius, or length x width)	10m
5.			0				0
			0			(Where applicable)	
			0				0
			0			Total Cover of Bryophytes	60
			0				
		<u> </u>			Hydrophytic Vegetation		
	Tota						
		l Cover: 0	 20% of Tot	al Cover:	0	Vegetation Present? Yes ● No ○	

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SOIL Sampling Point: SW13_T187_02

Profile Description		the depth ne	eded to docur	nent the ind		firm the abs		ators)				
Depth (inches) Color (moist)		ist)) %		Color (moist)		% Type ¹	Loc ²	Texture	Remarks		
0-5									Fibric Organics			
5-6									Sapric Organics			
6-8	10YR	4/3	60	7.5YR	4/4	40		M	Silt Loam	Charcoal ash and fragments		
8-10.5	2.5Y	2.5/3	70	10YR	5/4	30		M	Fine Sandy Silt Loam	Ash also present		
10.5-16	10YR	4/3	70	10YR	5/6	30		M	Silty Gravel	-		
10.5-10	101K			TOTK				1*1	Sity Graver	Includes coarse angular cobbles 1-2 in dia		
									<u> </u>			
-												
¹Type: C=Con	centration. D=	-Depletion	. RM=Reduce						annel. M=Matrix			
Hydric Soil Ir	dicators:						c Hydric So	oils:	_			
Histosol or	Histel (A1)				ka Color Cha				Alaska Gleyed Without Hue 5Y or Redder			
Histic Epipe	edon (A2)				ka Alpine sv	-			Underlying Layer			
	Sulfide (A4)			Alas⊦	ka Redox W	ith 2.5Y F	Hue		Other (Explain in Remark	(5)		
_	Surface (A12))		³ One ir	ndicator of h	hvdrophvt	ic vegetatio	n, one prir	mary indicator of wetland h	vdrology.		
Alaska Gley				and an	appropriate	e landscap	pe position r	nust be pr	esent	,, a. 0.05,,		
Alaska Red		-\		4 Give	letails of co	lor change	e in Remark	S				
Alaska Gley	yed Pores (A15	···										
Restrictive Laye	r (if present):											
Type:									Hydric Soil Present	? Yes ○ No •		
Depth (inch	es):											
HYDROLO	GY											
Wetland Hydr	ology Indica	tors:							Secondary Indi	cators (two or more are required)		
Primary Indicat	ors (any one i	s sufficient	<u>t)</u>						Water Stained Leaves (B9)			
Surface Water (A1)					Inundation Visible on Aerial Imagery (B7)				Drainage Patterns (B10)			
High Wate	High Water Table (A2) Sparsely Vegetated Concave Surfa						ncave Surfac	ce (B8)	Oxidized R	hizospheres along Living Roots (C3)		
Saturation	. ,			<u></u> Ма	arl Deposits	(B15)				f Reduced Iron (C4)		
Water Mar					drogen Sulf				Salt Depos			
	Deposits (B2)				y-Season W					Stressed Plants (D1)		
☐ Drift Depo	. ,			∐ Ot	her (Explain	ı in Rema	rks)			ic Position (D2)		
Iron Depo	or Crust (B4)									uitard (D3)		
	oil Cracks (B6)									graphic Relief (D4) Il Test (D5)		
Field Observa									FAC-fieutia	ii rest (D3)		
Surface Water		Yes C	No •	De	epth (inches	s).						
Water Table P			No O			•		Wotla	nd Hydrology Presen	t? Yes • No O		
Saturation Pre		_	_	De	epth (inches	;): 24		Wetia	ila fiyarology Presen	ti les 🤄 NO 🗢		
(includes capil		Yes C	No 💿	De	epth (inches	;):						
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:												
Remarks:												

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