## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority				
Applicant/Owner: Alaska Energy Authority				Sampling Point: SW13_T146_03
Investigator(s): SLI, EAC	L	_andform (hills	side, terrac	e, hummocks etc.): Mound
Local relief (concave, convex, none): flat		Slope: 1.7	% / 1.0	° Elevation: 697
· · · · · · · · · · · · · · · · · · ·	at · 6	· 33.382879138		Long.: -148.742777586 Datum: WGS84
Soil Map Unit Name:		03.302079130		
		Yes '	No ○	NWI classification: Upland
Are Vegetation , Soil , or Hydrology natura	cantly ally pro	disturbed?	Are "Ne	(If no, explain in Remarks.) ormal Circumstances" present? Yes No O ded, explain any answers in Remarks.) s, transects, important features, etc.
Hydrophytic Vegetation Present? Yes  No		Is	the Sam	pled Area
Hydric Soil Present? Yes No  No			thin a W	-
Wetland Hydrology Present? Yes ○ No ●		•	tilli a vv	otidiid i
Remarks: small lichen-rich slobe mound. estimate ca 1/4 acre. northern end of upland mound, less shrub and more  VEGETATION -Use scientific names of plants. List all	lichen	cover on sou	thern end.	boundary w adjacent wetland visible in aerial.
	lute		Indicator	Dominance Test worksheet:
Tree Stratum % C		Species?	Status	Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)
1. Picea glauca	7	<b>✓</b>	FACU	Total Number of Dominant
2	0			Species Across All Strata: 5 (B)
4.	0			Percent of dominant Species That Are OBL, FACW, or FAC: 80.0% (A/B)
5.	0			
	7			Prevalence Index worksheet:
Sapling/Shrub Stratum 50% of Total Cover: 3.5		of Total Cover:	1.4	Total % Cover of: Multiply by:
Sapinig/Siliub Stratum Son of Total Cover	2070			OBL Species 0 x1 = 0
1. Picea glauca	3		FACU	FAC Species 30 x 2 = 60
2. Betula glandulosa	40	<b>✓</b>	FAC	FAC Species 87.2 x 3 = 261.6 FACU Species 10 x 4 = 40
3. Vaccinium uliginosum	25	<b>✓</b> ✓	FAC	FACU Species 10 x 4 = 40 UPL Species 0 x 5 = 0
4. Ledum decumbens	30		FACW FAC	
5. Empetrum nigrum	10			Column Totals: <u>127.2</u> (A) <u>361.6</u> (B)
6. Vaccinium vitis-idaea	5 0.1		FAC FAC	Prevalence Index = B/A =
7. Dasiphora fruticosa 8.	0.1		TAC	Hudanahatis Vanakatisa Tudisahassa
	0			Hydrophytic Vegetation Indicators:  Dominance Test is > 50%
9	0			✓ Prevalence Index is ≤3.0
	113 20%	of Total Cover	22.62	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
1. Festuca altaica	5	<b>✓</b>	FAC	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Cornus suecica	1		FAC	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
3. Carex bigelowii	1		FAC	be present, unless disturbed or problematic.
4. Calamagrostis canadensis	0.1		FAC	Diot ciza (radius, or longth y width)
5.	0			Plot size (radius, or length x width) % Cover of Wetland Bryophytes
6	0			(Where applicable)
7	0			% Bare Ground <u>10</u>
8	0			Total Cover of Bryophytes
9	0			
10	0			Hydrophytic
<b>Total Cover:</b> 50% of Total Cover: 55		Vegetation Present? Yes  No		
	7(1%)	or Lotal Cover.	1 42	FICSCIIL:   CS \to   NU \to

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SOIL Sampling Point: SW13\_T146\_03

	on: (Describe to t	the depth nee	eded to docume	ent the inc		nfirm the abs		ators)				
Depth (inches)	Color (moi	ist)	%	% Color (moi		oist) <u>%</u> Type <sup>1</sup>		Loc <sup>2</sup>	Texture	Remarks		
0-2	5YR	2.5/2	100						Fibric Organics			
2-4	5YR	5/1	100						Very Fine Sandy Loam	Very interrupted, patchy horizon		
4-17	7.5YR		50	5YR		50			Fine Loamy Sand			
4-1/	7.51K	4/3	<u> </u>	ЛІС	4/4	30		1*1	Fille Ludiny Sand	Features patchy throughout horizon		
					-				-			
¹Type: C=Con	ncentration. D=	Depletion.					_		nnel. M=Matrix			
Hydric Soil In	ndicators:			Indicat	ors for Pro	oblematio	Hydric So	oils: <sup>3</sup>	_			
Histosol or	Histel (A1)			L Alas	ka Color Ch	ange (TA4	1)		Alaska Gleyed Without Hue 5Y or Redder			
Histic Epip	edon (A2)				ka Alpine sv	-	•		Underlying Layer			
Hydrogen	Sulfide (A4)			Alas	ka Redox W	Vith 2.5Y H	lue		Other (Explain in Remark	ks)		
Thick Dark	Surface (A12)			3 000 is	-di-stor of	· · · dwamby#	·	- no prin	······································			
Alaska Gle				and an	ndicator of i appropriate	hyaropnyı e landscap	ic vegetatio e position r	n, one prin nust be pre	nary indicator of wetland hesent	nydrology,		
Alaska Red	lox (A14)					•	•					
Alaska Gle	yed Pores (A15	5)		4 Give u	details of co	olor change	e in Kemark	S				
Restrictive Laye	er (if present):											
Type:									<b>Hydric Soil Present</b>	? Yes O No 💿		
Depth (inch	ies):											
HYDROLO												
Wetland Hydr	rology Indica	tors:							Secondary Indi	cators (two or more are required)		
Primary Indicat	tors (any one is	s sufficient)										
Surface W	ater (A1)			In	undation Vi	sible on A	erial Imager	ry (B7)				
High Wate	er Table (A2)			☐ Sp	arsely Vege	etated Con	cave Surfac	ce (B8)	Oxidized R	thizospheres along Living Roots (C3)		
Saturation	. ,			Ma	arl Deposits	(B15)				of Reduced Iron (C4)		
Water Mar	rks (B1)			□ Ну	drogen Sul	fide Odor	(C1)		Salt Depos			
Sediment Deposits (B2) Dry-Season Water Table (C2)										Stressed Plants (D1)		
☐ Drift Depo				∐ Ot	ther (Explain	n in Remai	rks)			ic Position (D2)		
	or Crust (B4)									quitard (D3)		
☐ Iron Depo	` ,									graphic Relief (D4)		
	oil Cracks (B6)							1	☐ FAC-neutra	al Test (D5)		
Field Observa			(									
Surface Water	Present?		No 💿	De	epth (inches	s):						
Water Table P	resent?	Yes $\bigcirc$	No 💿	De	epth (inches	s):		Wetla	nd Hydrology Presen	it? Yes O No 🗨		
Saturation Pre (includes capil		Yes $\bigcirc$	No •	De	epth (inches	s):						
Describe Record	ded Data (strea	am gauge, i	monitor well,	aerial p	hotos, prev	vious inspe	ction) if ava	ilable:				
Remarks:												
	Irology indicato	rc										
no wetland hyd	Irology indicato	ors										
no wetland hyd	Irology indicato	ors										

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