## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant	t/Owner: Alaska Energy Authority							
	Alaska Ellergy Authonity				Sampling Point: SW13_T139_01			
nvestiga	tor(s): WAD, BAB	e, hummocks etc.): Bench						
Local rel	ief (concave, convex, none): flat		Slope:	%/ 1.4	° Elevation: 450			
Subregio	n : Southcentral Alaska	Lat.: 6	62.825578332	22	Long.: -149.594141482 Datum: NAD83			
-	Unit Name:				NWI classification: PEM1E			
•	atic/hydrologic conditions on the site typical for	this time of year?	) Ves	• No ()	(If no, explain in Remarks.)			
Are Veç Are Veç	getation , Soil , or Hydrology getation , Soil , or Hydrology ARY OF FINDINGS - Attach site map	<ul> <li>significantly</li> <li>naturally pro</li> <li>showing sam</li> </ul>	v disturbed? oblematic?	Are "N (If nee	lormal Circumstances" present? Yes $ullet$ No $igodot$ Nedd, explain any answers in Remarks.)			
н	ydrophytic Vegetation Present? Yes 🖲	No	le	the Sam	pled Area			
н		Νο Ο						
	/etland Hydrology Present? Yes 🖲	etland? Yes $ullet$ No $igcup$						
Remark	s: wetland on hillside bench sloping down trar	nsect.						
	<b>ATION -</b> Use scientific names of plan	Absolute	Dominant	Indicator	Dominance Test worksheet: Number of Dominant Species			
1.	Stratum	<u>% Cover</u>	Species?	Status	That are OBL, FACW, or FAC: (A)			
					Total Number of Dominant			
2. 3.					Species Across All Strata: (B)			
4.		0			Percent of dominant Species That Are OBL, FACW, or FAC: 100,0% (A/B)			
		0						
0	Total	0			Prevalence Index worksheet:			
Sanlir	ng/Shrub Stratum 50% of Total Cove		of Total Cover:	0	Total % Cover of: Multiply by:			
Japin		20,0			OBL Species $34 \times 1 = 34$			
	Betula nana	5		FAC	FACW Species $1 \times 2 = 2$			
	/accinium oxycoccos			OBL	FAC Species $5.1$ x 3 = $15.3$			
	Chamaedaphne calyculata			FACW	FACU Species $0.1$ x 4 = $0.400$ UPL Species $0$ x 5 = $0$			
	Spiraea stevenii	â		FACU	UPL Species x 5 =			
5.					Column Totals: <u>40.2</u> (A) <u>51.7</u> (B)			
6					Prevalence Index = $B/A = 1.286$			
7		0						
8					Hydrophytic Vegetation Indicators: ✓ Dominance Test is > 50%			
					$\mathbf{V}$ Prevalence Index is $\leq 3.0$			
10.	Total	Cover:						
Herb		er: <u>5.05</u> 20%	of Total Cover	: 2.02	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)			
1. (	Carex limosa	15	$\checkmark$	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
	Eriophorum angustifolium			OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must			
	Cornus suecica	0.1		FAC	be present, unless disturbed or problematic.			
					Plot size (radius, or length x width) <u>10m</u>			
					% Cover of Wetland Bryophytes (Where applicable)			
					% Bare Ground			
					Total Cover of Bryophytes <u>95</u>			
10		0			Hydrophytic			
1	Total	Cover: 30.1			Vegetation			
	50% of Total Cove		<b>r</b> =		Present? Yes $\bigcirc$ No $\bigcirc$			

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)          Matrix       Redox Features											
Depth (inches)			~				Loc <sup>2</sup>	Texture	Po	narks	
0-2	Color (moi	51)	<u>%</u> 100	Color (moist)	<u>%</u>	Type <sup>1</sup>	LOC	Fibric Organics		IIIIIKS	
								Hemic Organics			
2-13			100		p						
									8		
	. <u> </u>			,	p						
				,							
<sup>1</sup> Type: C=Co	ncentration. D=	Depletion. F		d Matrix <sup>2</sup> Location		-		innel. M=Matrix			
Hydric Soil I	ndicators:			Indicators for Pro		4	oils:	-			
Histosol o	r Histel (A1)			Alaska Color Ch		-		Alaska Gleyed Without Hu	ue 5Y or Redder		
Histic Epi	pedon (A2)			Alaska Alpine sv		-	_	Underlying Layer			
Hydrogen	Sulfide (A4)			Alaska Redox W	'ith 2.5Y F	lue		Other (Explain in Remark	S)		
	k Surface (A12)			<sup>3</sup> One indicator of I	ydronhyt	ic vegetatio	on one nrin	nary indicator of wetland h	vdrology		
	eyed (A13)			and an appropriate					yarology,		
🗌 Alaska Re	. ,			<sup>4</sup> Give details of co	lor change	e in Remar	ks				
🔄 Alaska Gle	eyed Pores (A15	)					K3				
Restrictive Lay	er (if present):										
Type:								Hydric Soil Present	?Yes 🖲	No 🔿	
Depth (inc	hes):										
Remarks:											
no seasonal frost within 45 inches											
HYDROLO	GY										
	rology Indicat	ors:						Secondary Indi	cators (two or more	are required)	
	ators (any one is								ned Leaves (B9)		
	Vater (A1)			Inundation Vi	sible on A	erial Image	erv (B7)	✓ Drainage P	. ,		
High Wat	. ,			Sparsely Vege		5	, , ,	_	hizospheres along I	iving Roots (C3)	
Saturatio	. ,			Marl Deposits					f Reduced Iron (C4		
Water Ma	. ,			Hydrogen Sult	. ,	(C1)		Salt Depos	•	,	
	Deposits (B2)			Dry-Season W					Stressed Plants (D	1)	
Drift Dep				Other (Explain		• •		Geomorphic Position (D2)			
· _ ·	or Crust (B4)					1(3)		Shallow Aq	. ,		
Iron Dep									raphic Relief (D4)		
	ioil Cracks (B6)							FAC-neutra			
Field Observ									()		
Surface Wate		$_{\sf Yes}$ $\bigcirc$	No 🖲	Depth (inches	s): 0						
Water Table I		Yes •					Wetla	nd Hydrology Presen	t?Yes 🖲	No	
Saturation Pro				Depth (inches	5): 6		Wetta	na riyarology riesen			
(includes cap		Yes 🖲	No $\bigcirc$	Depth (inches	s): 0						
Describe Recor	rded Data (strea	m gauge, n	nonitor well,	aerial photos, prev	ious inspe	ction) if av	ailable:				
					-						
Remarks:											
faint strang pattern developing but no surf water at site.											
	acreioping	,									