## WETLAND DETERMINATION DATA FORM - Alaska Region

	nt/Owner: Alaska Energy Authority					Sampling Point: SW15_T322_07							
U	nvestigator(s): BAB Landform (hillside, terrace, hummocks etc.): Floodplain												
Local relief (concave, convex, none): hummocky Slope: 3.5 % / 2.0 ° Elevation:													
	on : Cook Inlet Mountains	1 -	at.:			Long.: Datum: WGS84							
_		L											
	O Unit Name:				<u> </u>	NWI classification: PEM1E							
	atic/hydrologic conditions on the site typical for this ti		-		● No ○	(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○							
		-		/ disturbed?		ornar orramitances present:							
Are Ve	egetation . , Soil . , or Hydrology .	natura	ally pr	oblematic?	(If nee	ded, explain any answers in Remarks.)							
SUMM	ARY OF FINDINGS - Attach site map show	wing	sam	pling point	locations	s, transects, important features, etc.							
	Hydrophytic Vegetation Present? Yes ● No C	)											
			Is the Sampled Area										
	, · · · · · · · · · · · · · · · · · · ·		within a Wetland? Yes ● No ○										
-	, ,												
Remai	KS.												
/EGE	TATION -Use scientific names of plants. Li	ct al	lono	cias in tha	alat								
LGL	TATION - Ose scientific flames of plants. Li	St ai	spe	cies in the p	JIUL.	B. J.							
_			olute	Dominant		Dominance Test worksheet:  Number of Dominant Species							
Tree	Stratum	-% C	over	Species?	Status	That are OBL, FACW, or FAC:3 (A)							
-		_				Total Number of Dominant							
2.		-				Species Across All Strata: 4 (B)							
3.		-				Percent of dominant Species That Are OBL, FACW, or FAC: 75,0% (A/B)							
4. 5.		-				That Are OBL, FACW, or FAC: 75.0% (A/B)							
J	Total Cover		0			Prevalence Index worksheet:							
C1				of Total Cover:	0	Total % Cover of: Multiply by:							
Sapii	ing/Shrub Stratum 50% of Total Cover:		2070	_	0	OBL Species <u>g</u> x1 = <u>g</u>							
1	Salix pulchra	_	8	<b>✓</b>	FACW	FACW Species 12.2 x 2 = 24.40							
-	Picea glauca	_	5	<b>✓</b>	FACU	FACILIST							
-	Salix barclayi		5	<b>✓</b>	FAC	FACU Species 5 x 4 = 20							
4.		-	0			UPL Species <u>1</u> x 5 = <u>5</u>							
5		_	0			Column Totals: <u>52.3</u> (A) <u>133.7</u> (B)							
6.		-	0			Prevalence Index = B/A =2.556							
7.		-	0										
8		-	0			Hydrophytic Vegetation Indicators:							
9		-	0			✓ Dominance Test is > 50%							
10.	T-1-1 C	_	0			✓ Prevalence Index is ≤3.0							
Herh	Total Cover Stratum 50% of Total Cover:		18 20%	of Total Cover:	3.6	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)							
	Calamagrostis canadensis		20	<b>✓</b>	FAC	Problematic Hydrophytic Vegetation (Explain)							
_	Carex aquatilis	-	6		OBL	<sup>1</sup> Indicators of hydric soil and wetland hydrology must							
-	Comarum palustre	-	3		OBL	be present, unless disturbed or problematic.							
٠. ـ	Sanguisorba canadensis	-	2		FACW								
-	Viola palustris	-	2		FACW	Plot size (radius, or length x width)							
-	Galium circaezans	-	1		UPL	% Cover of Wetland Bryophytes (Where applicable)							
_	Luzula parviflora	_	0.1		FAC	% Bare Ground 10							
-	Juncus castaneus		0.1		FACW	Total Cover of Bryophytes							
9.	Parnassia palustris	_	0.1		FACW	Total cover of Eryophytes							
10.		_	0			Hydrophytic							
_	Total Cover	: 3	34.3			Vegetation							
	50% of Total Cover:1			of Total Cover:	6.86	Present? Yes No No							
					_								

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SOIL Sampling Point: SW15\_T322\_07

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)  Matrix Redox Features											
Depth (inches)							. 2	Texture	Remarks		
0-2	Color (moi	st)	<u>%</u> C	olor (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Peat	Remarks		
2-4								Mucky Peat	washed in mineral content		
4-8								Mucky Peat	washed in mineral content		
								Muck	minous content weeked in		
8-10.5									mineral content washed in		
10.5-13								Mucky Peat			
-											
<sup>1</sup> Type: C=Concentration. D=Depletion. RM=Reduced Matrix <sup>2</sup> Location: PL=Pore Lining. RC=Root Channel. M=Matrix											
Hydric Soil I	ndicators:		I	ndicators for Pr	oblematio	Hydric So	ils: <sup>3</sup>				
☐ Histosol or Histel (A1)				Alaska Color C	hange (TA4	ł) <b>*</b>		Alaska Gleyed Without Hue 5Y or Redder			
Histic Epip	edon (A2)		L	Alaska Alpine swales (TA5) Underlying Layer							
	Sulfide (A4)			Alaska Redox With 2.5Y Hue Unter (Explain in Remarks)							
	Surface (A12)		3	One indicator of	hvdrophyt	ic vegetatio	n, one prim	nary indicator of wetland h	vdrology.		
Alaska Gle				and an appropria					, a. o.og, ,		
Alaska Red	yed Pores (A15)	)	4	Give details of o	olor change	e in Remark	5				
Restrictive Laye	er (if present):										
Type:	( ) ,							Hydric Soil Present	? Yes ● No ○		
Depth (inch	nes):							,	-		
Remarks:											
0-2 Of Wy Ho H	illileidi. 2-3.3	Oe willi wa	sneu in siits. r	Riverine vs Lowla	iiu: Cieck i	etum interv	di.				
HYDROLO	GY										
Wetland Hydi		ors:						Secondary Indi	cators (two or more are required)		
Primary Indica	tors (any one is	sufficient)						Water Stair	ned Leaves (B9)		
Surface W	` ,			Inundation V	isible on A	erial Imager	y (B7)	Drainage P	atterns (B10)		
High Water Table (A2)				Sparsely Veg	etated Con	cave Surfac	e (B8)	Oxidized Rhizospheres along Living Roots (C3)			
✓ Saturation (A3)				Marl Deposit	. ,			☐ Presence of Reduced Iron (C4) ☐ Salt Deposits (C5)			
Water Ma				Hydrogen Su							
Drift Depo	Deposits (B2)			Dry-Season \				✓ Geomorphi	Stressed Plants (D1)		
	or Crust (B4)			U Other (Expla	ın ın kemai	rks)			uitard (D3)		
Iron Depo									raphic Relief (D4)		
	oil Cracks (B6)								Il Test (D5)		
Field Observa	ations:										
Surface Water	Present?	Yes 🔾	No 💿	Depth (inche	es):						
Water Table P	resent?	Yes 💿	No $\bigcirc$	Depth (inche	es): 10		Wetlar	nd Hydrology Presen	t? Yes • No O		
Saturation Pre		Yes •	No O		•						
(includes capillary fringe)											
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:											
Remarks:											
D2floodplain											

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