WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority Investigator(s): SLI, ATH	ı			Sampling Point: SW15_T312_07								
Investigator(s): SLI, ATH	ı											
		∟andform (hill:	side, terrac	ce, hummocks etc.): Floodplain								
Local relief (concave, convex, none): none) ° Elevation:								
Subregion : Cook Inlet Mountains	Lat.:			Long.: Datum: WGS84								
Soil Map Unit Name:				NWI classification: PEM1E								
Are climatic/hydrologic conditions on the site typical for this	- timef0	. Voo	● No ○									
Are Vegetation \square , Soil \square , or Hydrology \square				(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○								
Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)												
			•									
SUMMARY OF FINDINGS - Attach site map sh	nowing sam	pling point	locations	s, transects, important features, etc.								
Hydrophytic Vegetation Present? Yes No												
Hydric Soil Present? Yes ● No		ampled Area										
Wetland Hydrology Present? Yes No	ithin a W	Wetland? Yes ◉ No ○										
Remarks: Stream appears incised, disconnected from floo	odplain (see S\	W15-T312-06	for stream). Calcan closer to stream is drier.								
	(,								
/EGETATION - Use scientific names of plants.	. List all spec	cies in the	plot.									
				Dominance Test worksheet:								
Tree Stratum	Absolute % Cover	Dominant Species?	Status	Number of Dominant Species								
1.	0			That are OBL, FACW, or FAC:3(A)								
2.	0			Total Number of Dominant Species Across All Strata: 3 (B)								
3.	0			Percent of dominant Species								
4.				That Are OBL, FACW, or FAC: 100.0% (A/B)								
5.	0			Prevalence Index worksheet:								
Total Cov		Total % Cover of: Multiply by:										
Sapling/Shrub Stratum 50% of Total Cover:	0 20% (of Total Cover:	0	OBL Species x 1 =50								
1	0			FACW Species 0 x 2 = 0								
2.				FAC Species <u>40</u> x 3 = <u>120</u>								
3.	0			FACU Species <u>0.1</u> x 4 = <u>0.400</u>								
4.				UPL Species 0 x 5 = 0								
5	_			Column Totals: <u>90.1</u> (A) <u>170.4</u> (B)								
6	0											
7	0			Prevalence Index = B/A = 1.891								
8	0			Hydrophytic Vegetation Indicators:								
9	0			✓ Dominance Test is > 50%								
10	0			✓ Prevalence Index is ≤3.0								
Total Covers		of Total Cover		Morphological Adaptations (Provide supporting data in								
Herb Stratum 50% of Total Cover:				Remarks or on a separate sheet)								
Calamagrostis canadensis Aretarbile false.		✓	FAC	Problematic Hydrophytic Vegetation (Explain)								
2. Arctophila fulva	20	V	OBL	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.								
Comarum palustre Equisetum fluviatile		<u>*</u>	OBL									
- Mark Sarta Late 200 cm			FACU	Plot size (radius, or length x width)								
u			17.00	% Cover of Wetland Bryophytes (Where applicable)								
6												
8.	_			% Bare Ground								
9.				40 <u>40</u>								
10.				Hydrophytic								
Total Cov		Vegetation										
50% of Total Cover:	45.05 20% (of Total Cover:	18.02	Present? Yes No								

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SOIL Sampling Point: SW15_T312_07

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators) Redox Features									
Depth (inches)	Color (mois		%	Color (moist)	%	Type ¹	_Loc_2	Texture	Remarks
0-4	Color (IIIOIS			color (moise)		1700	200	Peat	
4-11								Mucky Peat	
11-20								Muck	
								Pluck	
¹Type: C=Cor	ncentration. D=[Depletion. F	RM=Reduced	Matrix ² Locatio	n: PL=Pore	e Lining. RC	=Root Cha	nnel. M=Matrix	
Hydric Soil I	ndicators:		1	Indicators for P	roblematio	Hydric So	oils: ³		
✓ Histosol o	r Histel (A1)			Alaska Color C	hange (TA4	1)4		Alaska Gleyed Without Hu	ue 5Y or Redder
Histic Epip	edon (A2)			Alaska Alpine	swales (TA5	5)		Underlying Layer	
Hydrogen	Sulfide (A4)			Alaska Redox	With 2.5Y F	lue		Other (Explain in Remark	s)
☐ Thick Dark	Surface (A12)								
Alaska Gle	eyed (A13)			One indicator of and an appropria				nary indicator of wetland h	ydrology,
Alaska Red	dox (A14)					•		cociic	
	eyed Pores (A15)	ı		⁴ Give details of o	color change	e in Remark	S		
Restrictive Laye	er (if present):								
Type:								Hydric Soil Present?	? Yes ● No O
Depth (inch	nes):								
HYDROLO	GY								
Wetland Hyd	rology Indicat	ors:						Secondary Indic	cators (two or more are required)
Primary Indica	tors (any one is	sufficient)						Water Stair	ned Leaves (B9)
✓ Surface W	Vater (A1)			☐ Inundation \	isible on A	erial Imager	ry (B7)	Drainage P	atterns (B10)
High Wate	er Table (A2)			Sparsely Veg	getated Con	cave Surfac	ce (B8)		nizospheres along Living Roots (C3)
✓ Saturation	. ,			Marl Deposit	s (B15)				f Reduced Iron (C4)
Water Ma				☐ Hydrogen St				Salt Deposi	
	Deposits (B2)			Dry-Season					Stressed Plants (D1)
☐ Drift Depo				U Other (Expla	in in Rema	rks)		✓ Geomorphi	, ,
	or Crust (B4)							☐ Shallow Aq	
✓ Iron Depo	٠,							_	raphic Relief (D4)
	oil Cracks (B6)							✓ FAC-neutra	i Test (D5)
Field Observa		Yes	No O	Danth (in all	\- 4				
Surface Water				Depth (inch	es): 4				
Water Table F		Yes	No \bigcirc	Depth (inch	es): 0		Wetla	nd Hydrology Present	t? Yes • No O
Saturation Pre (includes capi		Yes	No O	Depth (inche	es): 0				
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:									
Damasilia									
Remarks:	OVOr 600/ -5-1	. DF :	floc and him	ronic chaor D2	rivoring -	rido-			
Surrace water	over 60% of plo	t. B5 - Iron	rioc and biog	genic sheen. D2 -	riverine cor	rridor.			

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