WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority				0 " D::			
nyeetigator(s): OTC FILE				Sampling Point: SW12_T05_03			
nvestigator(s): CTS, EKJ	La	Landform (hillside, terrace, hummocks etc.): Flat					
Local relief (concave, convex, none): flat	s	Slope: 0.0 % / 0.0 ° Elevation: 535					
Subregion : Interior Alaska Mountains La	at.: 62	2.7796499084 Long.: -147.911299974 Datum: WGS					
Soil Map Unit Name:		NWI classification: PEM1F					
Are Vegetation , Soil , or Hydrology natura	cantly o	disturbed? olematic?	Are "No	(If no, explain in Remarks.) ormal Circumstances" present? Yes ● No ○ ded, explain any answers in Remarks.) s, transects, important features, etc.			
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No No Wetland Hydrology Present? Yes No Remarks: Standing water with robust Caraqu			the Sam	pled Area etland? Yes ● No ○			
/EGETATION - Use scientific names of plants. List all	speci	ies in the p	olot.				
Abso		Dominant		Dominance Test worksheet: Number of Dominant Species			
Tree Stratum % Co		Species?	Status	That are OBL, FACW, or FAC:			
	0			Total Number of Dominant			
	0			Species Across All Strata: 2 (B)			
	0			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)			
5.	0						
Total Cover:	0	_		Prevalence Index worksheet: Total % Cover of: Multiply by:			
Sapling/Shrub Stratum 50% of Total Cover: 0	20% of	Total Cover:	0	OBL Species 70 x 1 = 70			
	0			FACW Species 0 x 2 = 0			
1	0			FAC Species 0 x 3 = 0			
	0			FACU Species 0 x 4 = 0			
	0			UPL Species 0 x 5 = 0			
5	0						
6.	0			Column Totals: 70 (A) 70 (B)			
7.	0			Prevalence Index = B/A = 1.000			
8.	0			Hydrophytic Vegetation Indicators:			
9.	0			✓ Dominance Test is > 50%			
10.	0			✓ Prevalence Index is ≤3.0			
Total Cover: Herb Stratum 50% of Total Cover:0	0	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)					
1. Carex aquatilis	30	~	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)			
Comarum palustre	40	~	OBL	¹ Indicators of hydric soil and wetland hydrology must			
3	0			be present, unless disturbed or problematic.			
4	0			Plot size (radius, or length x width)			
5	0			% Cover of Wetland Bryophytes 60			
6	0			(Where applicable)			
7	0			% Bare Ground 0			
8. 9.	0			Total Cover of Bryophytes			
10.	0			Hydrophytic			
	70	_		Hydrophytic Vegetation			
		Total Cover:	14	Present? Yes No			

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SOIL Sampling Point: SW12_T05_03

Depth (inches)			t the indicator or confine Redo	m the absenc x Features			
	Color (moist)	% C	color (moist)	% т	ype ¹ Loc ²	Texture	Remarks
	COIOI (IIIOISC)		ioloi (iiioloc)		<u> </u>		
						_	
						_	-
						_	. ————
¹Type: C=Conce	entration. D=Depletio					hannel. M=Matrix	
Hydric Soil Indi	icators:	I	ndicators for Prob	lematic Hy	ydric Soils: ³		
Histosol or Hi	istel (A1)		Alaska Color Cha	nge (TA4)		Alaska Gleyed Without H	ue 5Y or Redder
Histic Epiped	on (A2)		Alaska Alpine swa	iles (TA5)	_	Underlying Layer	
✓ Hydrogen Su	Ifide (A4)		Alaska Redox Wit	h 2.5Y Hue	[Other (Explain in Remar	ks)
Thick Dark Si	urface (A12)						
Alaska Gleyed	d (A13)					rimary indicator of wetland I	nydrology,
Alaska Redox		•	and an appropriate	andscape p	osition must be p	present	
Alaska Gleyer	d Pores (A15)	4	Give details of colo	r change in	Remarks		
Restrictive Layer ((if nresent):						
Type:	(iii presenty)					Hydric Soil Present	? Yes • No O
Depth (inches	·)·					riyuric Son Fresent	.: 163 0 110 0
Remarks:	.,,.						
HYDROLOG	Υ						
Wetland Hydrol	ogy Indicators:					Secondary Ind	cators (two or more are required)
Primary Indicator	rs (any one is sufficie	nt)				Water Sta	ned Leaves (B9)
✓ Surface Wate	er (A1)		Inundation Visi	ole on Aeria	l Imagery (B7)	☐ Drainage	Patterns (B10)
✓ High Water	Table (A2)		Sparsely Vegeta	ted Concav	e Surface (B8)	Oxidized F	thizospheres along Living Roots (C3)
	A3)		☐ Marl Deposits (315)		Presence	of Reduced Iron (C4)
✓ Saturation (A	s (B1)		✓ Hydrogen Sulfic	le Odor (C1)	Salt Depos	sits (C5)
✓ Saturation (A Water Marks	eposits (B2)		Dry-Season Wa			Stunted o	Stressed Plants (D1)
	rs (B3)		Other (Explain	n Remarks)			
Water Marks	(50)					✓ Geomorph	ic Position (D2)
Water Marks Sediment De	` ,						ic Position (D2) quitard (D3)
Water Marks Sediment De Drift Deposit	Crust (B4)					Shallow A	` '
Water Marks Sediment De Drift Deposit Algal Mat or	Crust (B4)					Shallow A	quitard (D3) graphic Relief (D4)
Water Marks Sediment De Drift Deposit Algal Mat or Iron Deposit	Crust (B4) ss (B5) Cracks (B6) ons:					Shallow A	quitard (D3) graphic Relief (D4)
Water Marks Sediment De Drift Deposit Algal Mat or Iron Deposit Surface Soil	Crust (B4) ss (B5) Cracks (B6) ons:	No ○	Depth (inches)	2		Shallow A	quitard (D3) graphic Relief (D4)
Water Marks Sediment De Drift Deposit Algal Mat or Iron Deposit Surface Soil	Crust (B4) ss (B5) Cracks (B6) ons: resent? Yes	● No ○ ● No ○	, , ,			☐ Shallow Ar ☐ Microtopo	quitard (D3) graphic Relief (D4) al Test (D5)
Water Marks Sediment De Drift Deposit Algal Mat or Iron Deposit Surface Soil Field Observation	Crust (B4) ss (B5) Cracks (B6) ons: resent? Yes	● No ○	Depth (inches)	0		Shallow A	quitard (D3) graphic Relief (D4) al Test (D5)
Water Marks Sediment De Drift Deposit Algal Mat or Iron Deposit Surface Soil Field Observatic Surface Water Preservation	Crust (B4) ss (B5) Cracks (B6) ons: resent? Yes ont? Yes		, , ,	0		☐ Shallow Ar ☐ Microtopo	quitard (D3) graphic Relief (D4) al Test (D5)
Water Marks Sediment De Drift Deposit Algal Mat or Iron Deposit Surface Soil Field Observatio Surface Water Pr Water Table Pres Saturation Prese (includes capillar	Crust (B4) ss (B5) Cracks (B6) ons: resent? Yes ont? Yes	No O	Depth (inches)	0	Wetl	☐ Shallow Ar ☐ Microtopo	quitard (D3) graphic Relief (D4) al Test (D5)
Water Marks Sediment De Drift Deposit Algal Mat or Iron Deposit Surface Soil Field Observatio Surface Water Pr Water Table Pres Saturation Prese (includes capillar	Crust (B4) ss (B5) Cracks (B6) ons: resent? yes ont? y fringe) Yes	No O	Depth (inches)	0	Wetl	☐ Shallow Ar ☐ Microtopo	quitard (D3) graphic Relief (D4) al Test (D5)
Water Marks Sediment De Drift Deposit Algal Mat or Iron Deposit Surface Soil Field Observatio Surface Water Pr Water Table Pres Saturation Prese (includes capillar Describe Recorded	Crust (B4) ss (B5) Cracks (B6) ons: resent? yes ont? y fringe) Yes	No O	Depth (inches)	0	Wetl	☐ Shallow Ar ☐ Microtopo	quitard (D3) graphic Relief (D4) al Test (D5)
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