## WETLAND DETERMINATION DATA FORM - Alaska Region

pplicant/Owner: Alaska Energy Authority nvestigator(s): CTS, AMD				Sampling Point: SV	
				Garripining i Girit.	V13_T165_06
14001190101(3). UIO, AIVID	Land	form (hills	side, terrac	e, hummocks etc.): Hillside	
ocal relief (concave, convex, none): flat	Slop	e: 7.0	% / 4.0	° Elevation: 736	
subregion : Interior Alaska Mountains La	t 63 38	 39738917			atum: WGS84
oil Map Unit Name:	00.00	37 303 17		NWI classification: Upland	
	0	Vac	No ○		
	antly dist	urbed? matic?	Are "N (If nee	(If no, explain in Remarks.) ormal Circumstances" present?  Yes ded, explain any answers in Remarks.) s, transects, important features,	
Hydrophytic Vegetation Present? Yes ● No ○					
Hydric Soil Present? Yes ○ No •				pled Area	
Wetland Hydrology Present? Yes ○ No ●		wi	thin a W	etland? Yes O No 💿	
Remarks:					
<b>EGETATION</b> -Use scientific names of plants. List all		in the	olot.	Dominance Test worksheet:	
Tree Stratum % Co		ecies?	Status	Number of Dominant Species	Γ (Λ)
Picea glauca	5	<b>✓</b>	FACU	That are OBL, FACW, or FAC:	<u>5</u> (A)
2	0			Total Number of Dominant Species Across All Strata:	6 (B)
3.	0			Percent of dominant Species	
4.	0				83.3% (A/B)
5.	0			Prevalence Index worksheet:	
Total Cover:	5			Total % Cover of: Multiply	by:
Sapling/Shrub Stratum 50% of Total Cover: 2.5	20% of To	tal Cover:	1	OBL Species 0 x 1 =	0
1. Betula nana	45	<b>✓</b>	FAC	FACW Species 51 x 2 =	102
	35	<b>✓</b>	FAC	FAC Species 140 x 3 =	420
	25	<u></u>	FACW	FACU Species 9 x 4 =	36
	20		FAC	UPL Species 0.1 x 5 =	0.500
	20		FAC	Column Totals: 200.1 (A)	558.5 (B)
	15		FACW	-	
7. Vaccinium vitis-idaea	5		FAC	Prevalence Index = B/A =	2.791_
8. Salix richardsonii	2		FACW	Hydrophytic Vegetation Indicators:	
9. Picea glauca	2		FACU	✓ Dominance Test is > 50%	
10.	0			✓ Prevalence Index is ≤3.0	
Total Cover: 16 Herb Stratum 50% of Total Cover: 84.5		otal Cover	33.8	Morphological Adaptations <sup>1</sup> (Provide : Remarks or on a separate sheet)	supporting data in
Carex bigelowii	15	<b>✓</b>	FAC	Problematic Hydrophytic Vegetation 1	(Explain)
2. Petasites frigidus	8	<b>✓</b>	FACW	<sup>1</sup> Indicators of hydric soil and wetland hydro	ology must
3. Bistorta plumosa	2		FACU	be present, unless disturbed or problemation	2.
	1		FACW	Plot size (radius, or length x width)	_10m
5. Monotropa uniflora	0.1		UPL	% Cover of Wetland Bryophytes	
6	0			(Where applicable)	
7	0			% Bare Ground	_2
8	0			Total Cover of Bryophytes	70
9	0				
10	0	Ш		Hydrophytic	
Total Cover: 26				Vegetation	
50% of Total Cover: <u>13.05</u>	20% of To	tal Cover:	5.22	Present? Yes • No	

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SOIL Sampling Point: SW13\_T165\_06

Depth	1atrix	ment the indicator or co	dox Features	n maicators)	_	
(inches) Color (mo	ist) %	Color (moist)	% Tyr	pe <sup>1</sup> Loc <sup>2</sup>	Texture	Remarks
0-2	100				Hemic Organics	_
2-7	100				Fibric Organics	
7-20 5Y	4/2 100				Sandy Clay Loam	very gravelly with dense glacial till
						-
¹Type: C=Concentration. D=	Depletion. RM=Reduc			_	annel. M=Matrix	-
Hydric Soil Indicators:		Indicators for P	roblematic Hyd	ric Soils: <sup>3</sup>		
Histosol or Histel (A1)		Alaska Color C	Change (TA4)		Alaska Gleyed Without F	lue 5Y or Redder
Histic Epipedon (A2)		Alaska Alpine	swales (TA5)		Underlying Layer	
Hydrogen Sulfide (A4)		Alaska Redox	With 2.5Y Hue		Other (Explain in Remar	ks)
Thick Dark Surface (A12)		3 One indicator of	f hydrophytic yog	otation one prin	mary indicator of wetland I	ovdrology.
Alaska Gleyed (A13)		and an appropria				nydrology,
Alaska Redox (A14)		4 Give details of o	color change in D	amarks		
Alaska Gleyed Pores (A15	5)	- Give details of C	Joior Change III N	ciliaiks		
estrictive Layer (if present):						0 0
Type: Depth (inches):					Hydric Soil Present	:? Yes O No 🖲
IYDROLOGY						
Vetland Hydrology Indica						icators (two or more are required)
Vetland Hydrology Indica Primary Indicators (any one i					Water Sta	ined Leaves (B9)
Vetland Hydrology Indica Primary Indicators (any one i  Surface Water (A1)			/isible on Aerial I		Water Sta	ined Leaves (B9) Patterns (B10)
Vetland Hydrology Indica Primary Indicators (any one i Surface Water (A1) High Water Table (A2)		Sparsely Veg	getated Concave		Water Sta Drainage Oxidized F	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3)
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