WETLAND DETERMINATION DATA FORM - Alaska Region

Absolute Hydrology Present? Yes No Subminant Species In the Plot. Submark Submark	nvestig							
Landform (hillside, terrace, hummocks etc.): Terrace	nvestig	nt/Owner: Alaska Energy Authority					Sampling Point: SW15_T338_07	,
Subregion Interior Alaska Mountains Lat: Long.: Datum: WGS84				La	ndform (hill	side, terrac		
Subregion: Interior Alaska Mountains Lat:: Long:: Datum: WGS84 NWI classification: PSS1B Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation , Soil , or Hydrology , significantly disturbed? Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No Hydric Soil Present? Yes No Is the Sampled Area within a Wetland? Yes No Remarks: //EGETATION - Use scientific names of plants. List all species in the plot. //EGETATION - Use scientific names of plants. List all species? Status 1. Dominant Species That are OBL, FACW, or FAC: 5 (A) Total Number of Dominant Species That are OBL, FACW, or FAC: 5 (B) Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by:	∟ocal re			SI	ope: 0.0	% / 0.0	° Elevation:	
Note Continue Note Not	Subregi		ĺ				Long: Datum: WGS84	
Are climatic/hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.) Are "Normal Circumstances" present? Yes No (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No Remarks: VEGETATION - Use scientific names of plants. List all species in the plot. Absolute			_					
Are Vegetation	•	-	la ta di sasa sa	0	Vac	■ No ○		
State Sampled Area Wetland Hydrology Present? Yes No No Within a Wetland? Yes No No Within a Wetland? Yes No No Within a Wetland? Yes No No No Within a Wetland? Yes No No No Within a Wetland? Yes No No No No No No No N	Are Ve	egetation , Soil , or Hydrology , egetation , Soil , or Hydrology , or H	signification si	cantly di	sturbed? lematic?	Are "N (If nee	ormal Circumstances" present? Yes No Oded, explain any answers in Remarks.)	
Wetland Hydrology Present? Yes No Within a Wetland? Yes No O Remarks: Vestand Hydrology Present? Yes No O Within a Wetland? Wetland? Ves No O	I	, , , ,			la.	the Com	wled Avec	
Remarks:	I	• • • • • • • • • • • • • • • • • • • •						
/EGETATION - Use scientific names of plants. List all species in the plot. Tree Stratum	١	Wetland Hydrology Present? Yes 💿 🛚 1	No O		WI	itnin a w	etiand? Tes © NO C	
Absolute			s. List al	l specie	es in the	plot.		
That are OBL, FACW, or FAC: 5 (A) Total Number of Dominant Species Across All Strata: 5 (B) Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B) Total Cover: 0 70% of Total Cover:								
2. Total Number of Dominant Species Across All Strata: 5 (B) 3. Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B) 5. Prevalence Index worksheet: Total Cover: 0 20% of Total Cov		Stratum	<u>% C</u>	over	Species?	Status		
3	-							
4. Total Cover: 0 Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by:	-						Species Across All Strata: 5 (B)	
Total Cover: O Prevalence Index worksheet: Total % Cover of: Multiply by:	-							;)
Sapling/Shrub Stratum 50% of Total Cover: 0 OBL Species 3 x 1 = 3	5.	Total C	Cover:	0				
	Sapli	ing/Shrub Stratum 50% of Total Covers	0	20% of	Total Cover:	0	OBL Species3 x 1 =3	
1. Betula nana 40 ✔ FAC FACW Species 30 x 2 = 60	1.	Betula nana		40	✓	FAC	FACW Species 30 x 2 = 60	
2. Vaccinium uliginosum 30 ✓ FAC FAC Species 95 x 3 = 285	2.	Vaccinium uliginosum		30	\checkmark	FAC	FAC Species <u>95</u> x 3 = <u>285</u>	
3. Vaccinium vitis-idaea 5 FAC FACU Species 0 x 4 = 0	3.			5		FAC	FACU Species 0 x 4 = 0	
4. Rhododendron tomentosum 20 PACW UPL Species 0 x 5 = 0	4.	Rhododendron tomentosum		20		FACW	UPL Species0 x 5 =0	
5. Empetrum nigrum	5.	Empetrum nigrum		20		FAC	Column Totals: 128 (A) 348 (I	B)
6.	6			0				
7. Prevalence Index = B/A = <u>2.719</u>	7			0			Prevalence index – B/A – <u>2.719</u>	
8 O Hydrophytic Vegetation Indicators:	8			0				
9 0	-							
10 0_	10			0			✓ Prevalence Index is ≤3.0	
Total Cover: 115	Horh				Total Cover	: 23		1
1. Eriophorum vaginatum 5 FACW Problematic Hydrophytic Vegetation (Explain)				_				
2. Carex aquatilis 3 ○ BL 1 Indicators of hydric soil and wetland hydrology must	-							
a Public chargements	-	Dubus chamaomorus					be present, unless disturbed or problematic.	
0	-			0				
0				0				
6 % Cover of Wetland Bryophytes (Where applicable)	_			0				
7	_			0			, ,, ,	
8 Total Cover of Bryophytes				0				
9				0				
10 Hydrophytic				0			Hydrophytic	
Total Cover: 13 Vegetation 50% of Total Cover: 6.5 20% of Total Cover: 2.6 Present? Yes No	10	Total C	over:	13			Vegetation	
30/8 of Total Cover. <u>0.5</u> 20/8 of Total Cover. <u>2.0</u> 110001101	10.	50% of Total Covers	. c .	20% of	Total Cover	26	Present? Yes 🔍 No 🔾	

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SOIL Sampling Point: SW15 T338 07

Profile Descript	ion: (Describe to the	depth needed to docum	ent the indicator or co	nfirm the ab	sence of indica	ators)		
Depth	Mat			dox Featu				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	_Loc_ ²	Texture	Remarks
0-16		100					Peat	
16-19		100			·		Mucky Peat	
19-22		100					Muck	
						-	-	
¹Type: C=Co	ncentration. D=De	pletion. RM=Reduce	d Matrix ² Location	n: PL=Por	e Lining. RC	=Root Cha	nnel. M=Matrix	
Hydric Soil I	ndicators:		Indicators for Pr	oblemati	c Hydric So	oils: ³		
✓ Histosol o	r Histel (A1)		Alaska Color Cl	hange (TA	4) ⁴		Alaska Gleyed Without Hu	ie 5Y or Redder
Histic Epip	pedon (A2)		Alaska Alpine s	wales (TA!	5)		Underlying Layer	
Hydrogen	Sulfide (A4)		Alaska Redox V	Nith 2.5Y H	lue		Other (Explain in Remark	s)
Thick Dark	k Surface (A12)		30				: i- dik6kl d k-	.d.slaa.
Alaska Gle	eyed (A13)		and an appropriat				nary indicator of wetland hy esent	ydrology,
Alaska Re	dox (A14)		4 Cive details of a	, alaz abana	o in Domonic	,		
Alaska Gle	eyed Pores (A15)		⁴ Give details of co	bior change	e in Kemark	S		
Restrictive Laye	er (if present):							
Type: seas	sonal frost						Hydric Soil Present?	? Yes ● No O
Depth (incl	nes): 22							
. Organic soils	to seasonal frost, l	nence bog code						
HYDROLO	ocv.							
	rology Indicator	s:					Secondary Indic	rators (two or more are required)
-	ators (any one is s							ned Leaves (B9)
	Vater (A1)		☐ Inundation V	/isible on A	erial Imager	v (B7)		atterns (B10)
✓ High Wat	` ,		Sparsely Veg		_			nizospheres along Living Roots (C3)
✓ Saturation	n (A3)		Marl Deposits			,		f Reduced Iron (C4)
☐ Water Ma	ırks (B1)		Hydrogen Su	ılfide Odor	(C1)		Salt Deposi	ts (C5)
Sediment	Deposits (B2)		☐ Dry-Season \	Water Tabl	e (C2)		☐ Stunted or	Stressed Plants (D1)
☐ Drift Depo	osits (B3)		Other (Expla	in in Rema	rks)		Geomorphi	c Position (D2)
Algal Mat	or Crust (B4)						✓ Shallow Aq	uitard (D3)
Iron Depo	osits (B5)							raphic Relief (D4)
Surface S	oil Cracks (B6)					1	✓ FAC-neutra	Test (D5)
Field Observa								
Surface Wate		Yes O No 💿	Depth (inche	es):				
Water Table F	Present?	Yes No	Depth (inche	es): 12		Wetlar	nd Hydrology Present	t? Yes 💿 No 🔾
Saturation Pre		res ● No ○	Depth (inche	es): 7				
(includes capi			• • •					
Describe Recor	ded Data (stream	gauge, monitor well	, aerial photos, pre	vious inspe	ection) if ava	iilable:		
Remarks:								
	ost. D4-hummocks	i						

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