## WETLAND DETERMINATION DATA FORM - Alaska Region

Applicant/Owner: Alaska Energy Authority  Investigator(s): WAD, RWM Landfo  Local relief (concave, convex, none): convex Slope:  Subregion: Interior Alaska Mountains Lat.: 63.2809  Soil Map Unit Name:	Sampling Point: SW13_T172_09  (hillside, terrace, hummocks etc.): Mound  % / 5.4 ° Elevation: 874
Investigator(s): WAD, RWM Landfo Local relief (concave, convex, none): convex Slope: Subregion: Interior Alaska Mountains Lat.: 63.280	n (hillside, terrace, hummocks etc.): Mound
Local relief (concave, convex, none): convex Slope: Subregion: Interior Alaska Mountains Lat.: 63.280	P. Control of the Con
Subregion : Interior Alaska Mountains Lat.: 63.280	
	NWI classification: Upland  Yes  No  (If no, explain in Remarks.)
Are climatic/hydrologic conditions on the site typical for this time of year?  Are Vegetation , Soil , or Hydrology significantly disturbly are Vegetation , Soil , or Hydrology naturally problems  SUMMARY OF FINDINGS - Attach site map showing sampling	d? Are "Normal Circumstances" present? Yes  No  (If needed, explain any answers in Remarks.)
Hydrophytic Vegetation Present? Yes   No	Is the Sampled Area
Hydric Soil Present? Yes No •	within a Wetland? Yes O No •
Wetland Hydrology Present? Yes ○ No ● Remarks: peat mounds bordering wetlands. dry.	within a wetiand?
	ant Indicator Dominance Test worksheet:
Tree Stratum % Cover Spec	Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)
1	Total Number of Dominant
2	Species Across All Strata: 4 (B)
3	Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
4	
	Prevalence Index worksheet:
	Total % Cover of: Multiply by:
	OBE openies 0 X1 0
	FAC FACW Species 50 x 2 = 100
	FAC FAC Species 57 x 3 = 171
3. Rhododendron tomentosum 45	FACW Species 0 x 4 = 0
4. Vaccinium vitis-idaea 2	I FAC UPL Species 0 x 5 = 0
5	Column Totals: <u>107</u> (A) <u>271</u> (B
6	Prevalence Index = B/A =2.533
7	
8	Hydrophytic Vegetation Indicators:
9	Dominance Test is > 50%
10	Prevalence Index is ≤3.0
Herb Stratum 50% of Total Cover: 51 20% of Total	
	FACW Problematic Hydrophytic Vegetation (Explain)
2	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3	be present, unless disturbed of problematic.
4	Plot size (radius, or length x width) <u>10m</u>
··	% Cover of Wetland Bryophytes
0	(Where applicable)
7. 8	% Bare Ground
90	Total Cover of Bryophytes
10	Hydronbytic
Total Cover: 5	Hydrophytic Vegetation
50% of Total Cover: 2.5 20% of Total	- · · · · · · · · · · · · · · · · · · ·

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SOIL Sampling Point: SW13\_T172\_09

Depth Matrix			ed to document the indicator or confirm the absence of indicators)  Redox Features					
, i ,	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-14		100					Fibric Organics	_
							-	_
								-
								-
								_
				-				
Type: C-Cancenter	ation D Donlatio		ed Matrix <sup>2</sup> Location		- Lining DC		anal M-Matrix	-
		i. RM=Reduc					IIIIei. M=Matrix	
lydric Soil Indicat			Indicators for P		4	oils:	1	
Histosol or Histel	` '		Alaska Color C		•		Alaska Gleyed Without F Underlying Layer	lue 5Y or Redder
Histic Epipedon (			☐ Alaska Alpine ☐ Alaska Redox	•	,		Other (Explain in Remar	·ks)
<ul><li>Hydrogen Sulfide</li><li>Thick Dark Surfa</li></ul>	` '		Alaska Redux	WIUI 2.51 F	iue	_	Curer (Explain in Remai	
Alaska Gleyed (A	` '		<sup>3</sup> One indicator o	f hydrophyt	ic vegetatio	n, one prin	nary indicator of wetland	hydrology,
Alaska Gleyeu (A Alaska Redox (A	•		and an appropria	ate landscap	e position i	must be pre	esent	
Alaska Gleyed Po	•		4 Give details of o	color chang	e in Remark	s		
estrictive Layer (if p								
Type:							Hydric Soil Present	t? Yes ○ No •
							myune som mesem	
Depth (inches): emarks: nough peat for a his	stosol but not satu	ırated						
emarks:	stosol but not satu	ırated						
emarks: nough peat for a his		ırated						
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emarks: nough peat for a his  YDROLOGY  Vetland Hydrology  Trimary Indicators (a	y Indicators: any one is sufficier						Water Sta	ined Leaves (B9)
YDROLOGY Vetland Hydrology rimary Indicators (a	y Indicators: any one is sufficier A1)		☐ Inundation		_		Water Sta	ined Leaves (B9) Patterns (B10)
YDROLOGY Yetland Hydrology rimary Indicators (a  Surface Water (a  High Water Table	y Indicators: any one is sufficier A1) le (A2)		Sparsely Ve	getated Cor	_		Water Sta Drainage Oxidized F	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3
YDROLOGY /etland Hydrology rimary Indicators (a  Surface Water (A  High Water Tabl  Saturation (A3)	y Indicators: any one is sufficier A1) le (A2)		Sparsely Ve	getated Cor ts (B15)	ncave Surfa		Water Sta Drainage Oxidized F Presence	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3 of Reduced Iron (C4)
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YDROLOGY  Yetland Hydrology  Primary Indicators (a  Surface Water (a)  High Water Tabl  Saturation (A3)  Water Marks (B)  Sediment Deposits (B)	y Indicators: any one is sufficient A1) le (A2) 1) sits (B2)		Sparsely Ve	getated Cor ts (B15) ulfide Odor Water Tabl	ncave Surfac (C1) e (C2)		Water Sta Drainage Oxidized F Presence Salt Depo Stunted o Geomorph	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3 of Reduced Iron (C4) sits (C5) r Stressed Plants (D1) nic Position (D2)
YDROLOGY  Yetland Hydrology  Primary Indicators (a  Surface Water (a)  High Water Table  Saturation (A3)  Water Marks (B)  Sediment Deposits (E)  Algal Mat or Cru	y Indicators: any one is sufficient A1) le (A2) 1) sits (B2) 33) ust (B4)		Sparsely Ved Marl Deposit Hydrogen St Dry-Season	getated Cor ts (B15) ulfide Odor Water Tabl	ncave Surfac (C1) e (C2)		Water Sta Drainage Oxidized F Presence Salt Depo Stunted o Geomorph Shallow A	ined Leaves (B9) Patterns (B10) Rhizospheres along Living Roots (C3 of Reduced Iron (C4) sits (C5) r Stressed Plants (D1) nic Position (D2) quitard (D3)
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