WETLAND DETERMINATION DATA FORM - Alaska Region

Alaska Energy Authority r(s): JGK r(concave, convex, none): hummoc Southcentral Alaska nit Name: c/hydrologic conditions on the site typic tation , Soil , or Hydrolo tation , Soil , or Hydrolo RY OF FINDINGS - Attach site	al for this time or gy significgy natur	at.: _	Slope:	%/	ce, hummocks etc.): Hillside ° Elevation: 845	713_T120_07 atum: WGS84
f (concave, convex, none): hummoc : Southcentral Alaska nit Name: c/hydrologic conditions on the site typic tation , Soil , or Hydrolo tation , Soil , or Hydrolo tation , Soil , or Hydrolo RY OF FINDINGS - Attach site	al for this time or gy significgy natur	at.: _	Slope:62.7106176	61	° Elevation: 845 Long.:149.729931474 Da	
Southcentral Alaska nit Name: c/hydrologic conditions on the site typic tation , Soil , or Hydrolotation , or Hydrolo	al for this time or gy significgy natur	f year	62.7106176 ? Ye	61	Long.: -149.729931474 Da	
nit Name: c/hydrologic conditions on the site typic tation , Soil , or Hydrolotation , Soil , or Hydrolotation , Soil , or Hydrolotation , Soil , or Hydrology	al for this time o	f year	? Ye			
c/hydrologic conditions on the site typic tation , Soil , or Hydrolotation , Soil , or Hydrolotation , Soil , or Hydrology	gy 🗌 signit	icantly		s (No (NWI classification: Unland	
tation , Soil , or Hydrolo tation , Soil , or Hydrolo RY OF FINDINGS - Attach site	gy 🗌 signit	icantly		s O No	11111 Glassification. Upland	
drophytic Vegetation Present? Yes		sam	oblematic?	Are "N (If nee	(If no, explain in Remarks.) Normal Circumstances" present? Yes (eded, explain any answers in Remarks.) S, transects, important features, e	
tric Soil Present? Yes of tland Hydrology Present? Yes of the DUNN SITE 1485 SOIL 1486	○ No •			s the Sam within a W	npled Area /etland? Yes ○ No ●	
TION -Use scientific names of	plants. List a	ll spe	ecies in th	e plot.	Dominous Test westerland	
_						
			species?	Status	That are OBL, FACW, or FAC:	<u>5</u> (A)
					Total Number of Dominant	<u>.</u> :=:
						(B)
						00.0% (A/B)
						/////////////////////////////////////
-	otal Cover:	_				27.
			of Total Cov	er: 0	1 /	•
<u>,</u>		_				120
						130
<u> </u>						<u>288.3</u> 48.40
irona atovanii						0
					-	
					Column Totals: 173.2 (A)	_466.7_ (B)
					Prevalence Index = B/A =2	2.695
					Hydrophytic Vegetation Indicators:	
		0				
=00/ 5= .	_	90 20%	6 of Total Cov	rer: 18		upporting data in
nguisorba officinalis		20	✓	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
•		3		FACU	¹ Indicators of hydric soil and wetland hydro	logy must
mnocarpium dryopteris		2		FACU	be present, unless disturbed or problematic	•
etonterie montana		1		FAC	Plot size (radius or length y width)	10m
uicotum aryanaa		15		FAC	, , ,	0
yopteris expansa		2		FACU	(Where applicable)	
lamagrostis canadensis		25	~	FAC	% Bare Ground	_5
•		15		FACW	Total Cover of Bryophytes	_10
<u> </u>		0.1		FAC		
		0.1		FACU	Hydrophytic	
	_		of Total Cov	er: <u>16.64</u>	Vegetation Present? Yes ● No ○	
	SE DUNN SITE 1485 SOIL 1486 ATION - Use scientific names of ATION - Use scientific names of ASTION - Use	Total Cover: Total Cover: Solve of Total Cover: Total Cover: Solve of Total Cover: Total Cover: Solve of Total Cover: Solve of Total Cover: Total Cover: Solve of Total Cover:	Absolute % Cover Total Cover: Absolute % Cover	TION - Use scientific names of plants. List all species in the ratum Absolute Dominant Species?	Eand Hydrology Present? Yes No Signature and Hydrology Present and Hydrology Present and Hydrology Present? Yes No Signature and Hydrology Present and Hydrology Present? Yes No Signature and Hydrology Present and H	TION - Use scientific names of plants. List all species in the plot. TION - Use scientific names of plants. List all species in the plot.

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SOIL Sampling Point: SW13_T120_07

(inches) Colo	(moist)	%	Color (moist)	<u>%</u> Туре	e ¹ Loc ²	Texture	Remarks
0-3	(money					Fibric Organics	
3-4						Sapric Organics	-
4-10 7.5YI	2/2	100				Silty Clay Loam	
							-
Type: C=Concentratio	n. D=Depletion	n. RM=Reduce	ed Matrix ² Location	on: PL=Pore Lining	g. RC=Root Cha	nnel. M=Matrix	
lydric Soil Indicators	:		Indicators for P	roblematic Hydr	ric Soils: ³		
Histosol or Histel (A	1)		Alaska Color C	Change (TA4)		Alaska Gleyed Without H	ue 5Y or Redder
Histic Epipedon (A2			Alaska Alpine			Underlying Layer	
Hydrogen Sulfide (A	4)		Alaska Redox	With 2.5Y Hue		Other (Explain in Remark	(S)
Thick Dark Surface	A12)		³ One indicator of	f hydronhytic yeae	etation one prin	nary indicator of wetland h	nydrology
Alaska Gleyed (A13)				ite landscape posit			rydrology,
Alaska Redox (A14)	(A1E)		4 Give details of o	color change in Re	marks		
☐ Alaska Gleyed Pores	• •						
estrictive Layer (if pres	:nt):						- " 0 " 0
Type:						Hydric Soil Present	? Yes O No 💿
Depth (inches):							
Depth (inches): emarks: b hydric soil indicators							
emarks:							
emarks: b hydric soil indicators YDROLOGY							
emarks: b hydric soil indicators YDROLOGY Vetland Hydrology In							cators (two or more are required)
emarks: hydric soil indicators YDROLOGY Vetland Hydrology Ir		nt)				Water Stai	ned Leaves (B9)
YDROLOGY Vetland Hydrology Indicators Surface Water (A1)	one is sufficier	nt)		Visible on Aerial In		Water Stai	ned Leaves (B9) Patterns (B10)
YDROLOGY Vetland Hydrology In rimary Indicators (any Surface Water (A1) High Water Table (one is sufficier	nt)	Sparsely Veg	getated Concave S		☐ Water Stai☐ Drainage F☐ Oxidized R	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3
YDROLOGY Vetland Hydrology Indicators Surface Water (A1) High Water Table (Saturation (A3)	one is sufficier	nt)	Sparsely Veg	getated Concave S ts (B15)		Water Stai Drainage F Oxidized R Presence of	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3 of Reduced Iron (C4)
YDROLOGY Vetland Hydrology Intrimary Indicators Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1)	one is sufficier A2)	nt)	Sparsely Veg Marl Deposit Hydrogen St	getated Concave S ts (B15) ulfide Odor (C1)		Water Stai Drainage F Oxidized R Presence c Salt Depos	ned Leaves (B9) Patterns (B10) chizospheres along Living Roots (C3 of Reduced Iron (C4) sits (C5)
YDROLOGY Vetland Hydrology Intrimary Indicators Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits	one is sufficier A2)	nt)	Sparsely Veg Marl Deposit Hydrogen St Dry-Season	getated Concave S ts (B15) ulfide Odor (C1) Water Table (C2)		Water Stai Drainage F Oxidized R Presence c Salt Depos Stunted or	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3 of Reduced Iron (C4) sits (C5) Stressed Plants (D1)
YDROLOGY Yetland Hydrology Intrimary Indicators Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits (B3)	one is sufficier A2) (B2)	nt)	Sparsely Veg Marl Deposit Hydrogen St Dry-Season	getated Concave S ts (B15) ulfide Odor (C1)		Water Stai Drainage F Oxidized R Presence c Salt Depos Stunted or Geomorph	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3 of Reduced Iron (C4) hits (C5) Stressed Plants (D1) hits Position (D2)
YDROLOGY Vetland Hydrology Intrimary Indicators Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits	one is sufficier A2) (B2)	nt)	Sparsely Veg Marl Deposit Hydrogen St Dry-Season	getated Concave S ts (B15) ulfide Odor (C1) Water Table (C2)		Water Stai Drainage F Oxidized R Presence o Salt Depos Stunted or Geomorph Shallow Ac	ned Leaves (B9) Patterns (B10) chizospheres along Living Roots (C3 of Reduced Iron (C4) sits (C5) Stressed Plants (D1) ic Position (D2) quitard (D3)
YDROLOGY Yetland Hydrology Intrimary Indicators (any Surface Water (A1) ✓ High Water Table (✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (one is sufficier A2) (B2) B4)	nt)	Sparsely Veg Marl Deposit Hydrogen St Dry-Season	getated Concave S ts (B15) ulfide Odor (C1) Water Table (C2)		Water Stai Drainage F Oxidized R Presence o Salt Depos Stunted or Geomorph Shallow Ac	ned Leaves (B9) Patterns (B10) chizospheres along Living Roots (C3 of Reduced Iron (C4) sits (C5) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4)
POROLOGY Petland Hydrology Intrimary Indicators (any Surface Water (A1) ✓ High Water Table (✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (Iron Deposits (B5)	(B2) (B6)		Sparsely Veg Marl Deposit Hydrogen St Dry-Season	getated Concave S ts (B15) ulfide Odor (C1) Water Table (C2)		Water Stai Drainage F Oxidized R Presence of Salt Depos Stunted or Geomorph Shallow Ac	ned Leaves (B9) Patterns (B10) chizospheres along Living Roots (C3 of Reduced Iron (C4) sits (C5) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4)
YDROLOGY /etland Hydrology In rimary Indicators (any Surface Water (A1) ✓ High Water Table (✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks	(B2) (B6) Yes) No ⊙	Sparsely Veg Marl Deposit Hydrogen St Dry-Season	getated Concave S ts (B15) ulfide Odor (C1) Water Table (C2) ain in Remarks)		Water Stai Drainage F Oxidized R Presence of Salt Depos Stunted or Geomorph Shallow Ac	ned Leaves (B9) Patterns (B10) chizospheres along Living Roots (C3 of Reduced Iron (C4) sits (C5) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4)
YDROLOGY Vetland Hydrology Indicators Surface Water (A1) ✓ High Water Table (✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks ield Observations:	(B2) (B6) Yes		Sparsely Veg Marl Deposit Hydrogen St Dry-Season Other (Expla	getated Concave S ts (B15) ulfide Odor (C1) Water Table (C2) ain in Remarks)	Surface (B8)	Water Stai Drainage F Oxidized R Presence of Salt Depos Stunted or Geomorph Shallow Ac	ned Leaves (B9) Patterns (B10) chizospheres along Living Roots (C3 of Reduced Iron (C4) sits (C5) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4) al Test (D5)
Primary Indicators YDROLOGY Vetland Hydrology Intrimary Indicators Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks ield Observations: Surface Water Present? Water Table Present?	(B2) (B6) Yes) No ⊙	Sparsely Veg Marl Deposit Hydrogen St Dry-Season Other (Expla	getated Concave S ts (B15) ulfide Odor (C1) Water Table (C2) ain in Remarks) es):	Surface (B8)	Water Stai Drainage F Oxidized R Presence of Salt Depos Stunted or Geomorph Shallow Ac Microtopog	ned Leaves (B9) Patterns (B10) chizospheres along Living Roots (C3 of Reduced Iron (C4) sits (C5) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4) al Test (D5)
POROLOGY Petland Hydrology Intrimary Indicators (any Surface Water (A1) ✓ High Water Table (✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (✓ Iron Deposits (B5) Surface Soil Cracks (B1) Surface Water Present? Water Table Present?	(B2) (B6) Yes (Pe) Yes	No O No O	Sparsely Veg Marl Deposit Hydrogen St Dry-Season Other (Expla	getated Concave S ts (B15) ulfide Odor (C1) Water Table (C2) ain in Remarks) es): es): 1	Wetla	Water Stai Drainage F Oxidized R Presence of Salt Depos Stunted or Geomorph Shallow Ac Microtopog	ned Leaves (B9) Patterns (B10) chizospheres along Living Roots (C3 of Reduced Iron (C4) sits (C5) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4) al Test (D5)
POROLOGY Vetland Hydrology Intrimary Indicators VIRTURATION Surface Water (A1) VIRTURATION High Water Table (VIRTURATION CAS) VIRTURATION Water Marks (B1) VIRTURATION CONTROL (B3) VIRTURATION CONTROL (B3) VIRTURATION CONTROL (B5) VIRTURATION C	(B2) (B6) Yes (Pe) Yes	No O No O	Sparsely Veg Marl Deposit Hydrogen St Dry-Season Other (Expla	getated Concave S ts (B15) ulfide Odor (C1) Water Table (C2) ain in Remarks) es): es): 1	Wetla	Water Stai Drainage F Oxidized R Presence of Salt Depos Stunted or Geomorph Shallow Ac Microtopog	ned Leaves (B9) Patterns (B10) chizospheres along Living Roots (C3 of Reduced Iron (C4) sits (C5) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4) al Test (D5)
PROLOGY etland Hydrology Intimary Indicators Surface Water (A1) High Water Table (Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B3) Iron Deposits (B5) Surface Soil Cracks eld Observations: Surface Water Present? Vater Table Present? Saturation Present? Sincludes capillary fring	(B2) (B6) Yes (Pe) Yes	No O No O	Sparsely Veg Marl Deposit Hydrogen St Dry-Season Other (Expla	getated Concave S ts (B15) ulfide Odor (C1) Water Table (C2) ain in Remarks) es): es): 1	Wetla	Water Stai Drainage F Oxidized R Presence of Salt Depos Stunted or Geomorph Shallow Ac Microtopog	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) sits (C5) Stressed Plants (D1) ic Position (D2) quitard (D3) graphic Relief (D4) al Test (D5)

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