WETLAND DETERMINATION DATA FORM - Alaska Region

Project	/Site: Susitna-Watana Hydroelectric Project	В	orough/City:	Matanusk	a-Susitna Borough Sampling Date: 30-Jul-13
Applica	nnt/Owner: Alaska Energy Authority				Sampling Point: SW13_T156_08
	gator(s): BAB		Landform (hill	side, terrac	e, hummocks etc.): Toeslope
	elief (concave, convex, none): hummocky				° Elevation: 987
	ion: Interior Alaska Mountains		· 63.283594250		Long.: -148.355766172 Datum: WGS84
_			33.203334230		
	p Unit Name:		. V	No ○	NWI classification: PSS1B
Are V Are V	natic/hydrologic conditions on the site typical for this regetation , Soil , or Hydrology regetation , Soil , or Hydrology MARY OF FINDINGS - Attach site map should be supported by the site of	significantly naturally pro owing sam	disturbed?	Are "N (If nee	(If no, explain in Remarks.) Iormal Circumstances" present? Yes No ded, explain any answers in Remarks.) s, transects, important features, etc.
	(a)		Is	the Sam	pled Area
	· · · · · · · · · · · · · · · · · · ·		wi	thin a W	etland? Yes No
	Wetland Hydrology Present? Yes ● No				
VEGE	ETATION - Use scientific names of plants.	List all spe	cies in the		Dominance Test worksheet:
	e Stratum	% Cover	Species?	Status	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
4.					That Are OBL, FACW, or FAC: 100.0% (A/B)
5.					Prevalence Index worksheet:
	Total Cove				Total % Cover of: Multiply by:
Sap	ling/Shrub Stratum 50% of Total Cover:	0 20%	of Total Cover:	0	OBL Species 13 x 1 = 13
1.	Salix alaxensis	50	✓	FAC	FACW Species 20.1 x 2 = 40.20
2.	Salix pulchra		✓	FACW	FAC Species <u>79.2</u> x 3 = <u>237.6</u>
3.	Vaccinium uliginosum	10		FAC	FACU Species 0 x 4 = 0
4.	-				UPL Species <u>0</u> x 5 = <u>0</u>
5.					Column Totals: <u>112.3</u> (A) <u>290.8</u> (B)
6.		_			
7.		0			Prevalence Index = B/A = 2.589
8.		0			Hydrophytic Vegetation Indicators:
9.		0			✓ Dominance Test is > 50%
10.		0			✓ Prevalence Index is ≤3.0
Her	Total Cove b Stratum 50% of Total Cover:		of Total Cover	:16	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
1.	Carex aquatilis	8	✓	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
2.	Comarum palustre	5		OBL	¹ Indicators of hydric soil and wetland hydrology must
3.	Equisetum variegatum	0.1		FACW	be present, unless disturbed or problematic.
4.	Equisetum arvense		~	FAC	Plot size (radius, or length x width) 10m
5.	Sedum rosea	2		FAC	% Cover of Wetland Bryophytes
6.	Polemonium acutiflorum	_ 1		FAC	(Where applicable)
7.	Stellaria longifolia			FAC	% Bare Ground
8.	Anemone richardsonii			FAC	Total Cover of Bryophytes
9.	Rumex arcticus			FAC	
10.					Hydrophytic
	Total Cove 50% of Total Cover: _		of Total Cover:	6.46	Vegetation Present? Yes ● No ○
Rem	arks: stelon collected on transect				

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW13_T156_08

9-17 SY 3/1 100 Learny-Seried Loss of oig content Pype: C=Concentration, D=Depletion, RM=Reduced Matrix Loss at long state Loss of oig content	(inches) Color (m	oist)	% 0	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
Type: C=Concentration. D=Depletion. RM=Reduced Matrix ² Location: PL=Pere Lining, RC=Root Channel. M=Matrix ydric Soll Indicators: Histosol or Histel (A1)	0-9		100					Fibric Organics	some mineral soil from 5-9
Histosol or Histel (A1)	9-17 5Y	3/1	100					Loamy Sand	lots of org content
Indicators for Problematic Hydric Soils? Histosol or Histel (A1)								-	
Histosol or Histel (A1)									
ydric Soil Indicators: Histosol or Histel (A1)									
ydric Soil Indicators: Histosol or Histel (A1)									
ydric Soil Indicators: Histosol or Histel (A1)					-				
Histosol or Histel (A1) Alaska Gleyed (A2) Alaska Gleyed (A13) Alaska Gleyed (A14) Alaska Gleyed (A15) Alaska Gleyed (A15) Alaska Gleyed (A15) Alaska Redwork (A15) Alaska Gleyed Pores (A15) Alaska Redwork (A15) Alaska Red								-	
Histosol or Histel (A1) Alaska Gleyed (A2) Alaska Gleyed (A13) Alaska Gleyed (A14) Alaska Gleyed (A15) Alaska Gleyed (A15) Alaska Gleyed (A15) Alaska Redwork (A15) Alaska Gleyed Pores (A15) Alaska Redwork (A15) Alaska Red	Turne C. Composition D	Danistian			- DI Dave	Lining DC	Doot Cha		
Historol or Histel (A1) Alaska Alpine swales (TA5) Without Profession (A2) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed Pores (A15) * Give details of color change in Remarks * Give details of color change in Remarks * Hydric Soil Present? Yes No Peth (inches): 17 * Presence and Fost Depth (inches): 17 * Presence of Reduced Iron (C4) Water Marks (B1) Water Marks (B1) Drift Deposits (B3) Algal Mat or Crust (B4) To pepth (inches): 5 Surface Water Present? Yes No Depth (inches): 5 Surface Soil Cracks (B6) Do High Composits (B5) Water Table (A2) Alaska Gleyed Without Hue SY or Redder Underlying Layer Orther (Explain in Remarks) * Gecondary Indicator of wetland hydrology, and an appropriate landscape position must be present * Hydric Soil Present? Yes No Presence of Reduced Iron (C4) Hydrogen Sufface Obor (C1) Soil Present? Sufface Note of Reduced Iron (C4) Hydrogen Sufface Obor (C1) Soil Presence of Reduced Iron (C4) Hydrogen Sufface Obor (C1) Soil Deposits (B3) Other (Explain in Remarks) Wetland Hydrology Present? Yes No Depth (inches): 5 Wetland Hydrology Present? Yes No Depth (inches): 2 Wetland Hydrology Present? Yes No Depth (inches): 2 * Wetland Hydrology Present? Yes No Depth (inches): 2 * Wetland Hydrology Present? Yes No Depth (inches): 2 * Wetland Hydrology Present? Yes No Depth (inches): 3 * Wetland Hydrology Present? Yes No Depth (inches): 3 * Wetland Hydrology Present? Yes No Depth (inches): 3 * Wetland Hydrology Present? Yes No Depth (inches): 3 * Wetland Hydrology Present? Yes No Depth (inches): 3 * Wetland Hydrology Present? Yes No * No * Wetland Hydrology Present? Yes No * No * No * Wetland Hydrology Present? Ye		=Depletion.						innei. M=Matrix	
Histic Epipedon (A2) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Alaska Alpine swales (TA5) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A14) Alaska Gleyed Pores (A15) Alaska Redox (A14) Alaska Gleyed Pores (A15) Alaska Redox (A14) Alaska Gleyed Pores (A15) Alaska Redox (A14) Alaska Gleyed Pores (A15) Alaska Redox (A14) Alaska Gleyed Pores (A15) Alaska Redox (A14) Alaska Redox (A15) Alaska Redox (A15) Alaska Redox (A16) Bydrogen Sulfide (A16) Bydrogen Sulfide (A17) Bydrogen Sulfide (A17)	·		I			4	DIIS:	Alaska Claurad Mikha	. + II FV P-44
Hydrogen Sulfide (A4)	- ` `			_		-			ut hue 5Y or redder
Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Redox (A14) Alaska Redox (A14) Alaska Redox (A15) *Give details of color change in Remarks *Give details of color change in Remarks *Hydric Soil Present? Yes ● No ○ *PROLOGY *Etail Thick Dark Surface (A12) Alaska Gleyed Pores (A15) *Fire seanal frost Depth (inches): 17 *Proper seanal frost Depth (inches): 17 *Proper seanal frost Depth (inches): 17 **Proper Seanal frost Depth (inches): 2 **Proper Seanal frost Depth (inches): 3 **Proper Seanal frost Depth (inches): 4 **Proper Seanal frost Depth (Other (Explain in Re	marks)
Alaska Gleyed (A13) Alaska Redox (A14) Alaska Redox (A14) Alaska Redox (A15) Alaska Redox (A15) Alaska Redox (A15) Setrictive Layer (if present): Type: seaonal frost Depth (inches): 17 Pemarks: PYDROLOGY Temarks: Type: seaonal frost Depth (inches): 17 Pemarks: PYDROLOGY Temarks: Type: seaonal frost Depth (inches): 17 Type: seaonal frost Depth (inches): 1	¬ ′ ¸ ′ ′ ′))		_ / ildoka recaox i	2.51 11	iuc			,
Alaska Redox (A14) Alaska Redox (A15) Alaska Redox	_ `	.)							nd hydrology,
Alaska Gleyed Pores (A15) *Give details of color change in Remarks setrictive Layer (if present): Type: seaonal frost Depth (inches): 17 **PROLOGY **PROLOGY **Pettand Hydrology Indicators: **Immarks: **Immarks: **PROLOGY **Indicators (anv one is sufficient) Surface Water (A1) Surface Water (A1) Mater Table (A2) Surface Water (A3) Marl Deposits (B15) Water Marks (B1) Water Marks (B1) Water Marks (B1) Depth (inches): 10 Drift Deposits (B2) Dry-Season Water Table (C2) Drift Deposits (B3) Water Marks (B4) Dry-Season Water Table (C2) Sutunted or Stressed Plants (D1) Geomorphic Position (D2) Water Marks (B6) Wetaland Hydrology Present? Water Marks (B6) Wetaland Hydrology Present? Wetaland Hydrology Present? Yes No Depth (inches): 2 **Wetaland Hydrology Present? Yes No Depth (inches): 2 **Wetaland Hydrology Present? Yes No Depth (inches): 2 **Wetaland Hydrology Present? Yes No Depth (inches): 2 **Wetaland Hydrology Present? Yes No Depth (inches): 2 **Wetaland Hydrology Present? Yes No Depth (inches): 2 **Wetaland Hydrology Present? Yes No Depth (inches): 2 **Wetaland Hydrology Present? Yes No Depth (inches): 2 **Wetaland Hydrology Present? Yes No Depth (inches): 2 **Wetaland Hydrology Present? Yes No Depth (inches): 2 **Wetaland Hydrology Present? Yes No Depth (inches): 3 **Wetaland Hydrology Present? Yes No Depth (inches): 4 **Wetaland Hydrology P	_			and an appropria	te landscape	e position n	nust be pre	esent	
Type: seaonal frost Depth (inches): 17 PMARCLOGY Petland Hydrology Indicators: Secondary Indicators (two or more are required) Water Stained Leaves (B9) Water Stained Leaves (B9) Depth (inches): 17 Presence of Reduced Iron (C4) Salt Deposits (B1) Dry-Season Water Table (A2) Syarsely Vegetated Concave Surface (B8) Dry-Season Water Table (A2) Syarsely Vegetated Concave Surface (B8) Dry-Season Water Table (A2) Salt Deposits (B15) Presence of Reduced Iron (C4) Salt Deposits (B1) Dry-Season Water Table (C2) Sunted or Stressed Plants (D1) Dry-Season Water Table (C2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-neutral Test (D5)	¬ ` ´	.5)		⁴ Give details of c	olor change	e in Remark	s		
Type: seaonal frost Depth (inches): 17 PROLOGY etland Hydrology Indicators:	strictive Laver (if present)	<u></u>							
Depth (inches): 17 marks: DROLOGY Etland Hydrology Indicators								Hydric Soil Pres	ent? Yes • No
### PROLOGY ### Path								,	0116. 100 - 110 -
Secondary Indicators (two or more are required) Water Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Sparsely Vegetated Concave Surface (B8) Oxidized Rhizospheres along Living Roots (C) Saturation (A3) Marl Deposits (B15) Presence of Reduced Iron (C4) Saturation (A3) Hydrogen Sulfide Odor (C1) Salt Deposits (C5) Sediment Deposits (B2) Dry-Season Water Table (C2) Stunted or Stressed Plants (D1) Drift Deposits (B3) Other (Explain in Remarks) Geomorphic Position (D2) Algal Mat or Crust (B4) Microtopographic Relief (D4) Surface Soil Cracks (B6) Presence of Reduced Iron (C4) Salt Deposits (C5) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Microtopographic Relief (D4) Shallow Aquitard (D3) Microtopographic Relief (D4) Surface Soil Cracks (B6) Present? Yes No Depth (inches): Presence of Reduced Iron (C4) Salt Deposits (C5) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Microtopographic Relief (D4) FAC-neutral Test (D5) Surface Water Present? Yes No Depth (inches): Presence of Reduced Iron (C4) Salt Deposits (C5) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Microtopographic Relief (D4) FAC-neutral Test (D5) Surface Water Present? Yes No Depth (inches): Presence of Reduced Iron (C4) Salt Deposits (C5) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Microtopographic Relief (D4) FAC-neutral Test (D5) Salt Deposits (B5) Microtopographic Relief (D4) FAC-neutral Test (D5) Salt Deposits (B5) Microtopographic Relief (D4) Presence of Reduced Iron (C4) Salt Deposits (B5) Microtopographic Relief (D4) FAC-neutral Test (D5) Salt Deposits (B5) Microtopographic Relief (D4) FAC-neutral Test (D5) No Depth (inches): Salt Deposits (B5) Microtopographic Relief (D4) Salt Deposits (B5) Microtopographic Relief (D4) Salt Deposits (B5) Microtopographic Relief (D4) Salt Depos	,								
Vertiand Hydrology Indicators: Secondary Indicators (two or more are required) Primary Indicators (any one is sufficient) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Invitation (A1) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (any one is sufficient) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (any one is sufficient) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (any one is sufficient) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (A1) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (A2) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (A2) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (B4) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (B4) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (B4) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (B4) Inundation Vi									
Vertiand Hydrology Indicators: Secondary Indicators (two or more are required) Primary Indicators (any one is sufficient) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Invitation (A1) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (any one is sufficient) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (any one is sufficient) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (any one is sufficient) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (A1) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (A2) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (A2) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (B4) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (B4) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (B4) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Image: Primary Indicators (B4) Inundation Vi									
rimary Indicators:									
Inundation Visible on Aerial Imagery (B7) Surface Water (A1) Inundation Visible on Aerial Imagery (B7) Prainage Patterns (B10) High Water Table (A2) Saturation (A3) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Drift Deposits (B3) Other (Explain in Remarks) Geomorphic Position (D2) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Water Present? Yes No Depth (inches): Vater Table Present? Yes No Depth (inches): 2 Depth (inches): 2 Emarks: Drainage Patterns (B10) Oxidized Rhizospheres along Living Roots (C1) Salt Deposits (C5) Saturate or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-neutral Test (D5) Wetland Hydrology Present? Yes No Depth (inches): 2 Secribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	emarks:								
High Water Table (A2) Sparsely Vegetated Concave Surface (B8) Oxidized Rhizospheres along Living Roots (CC) Saturation (A3) Water Marks (B1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Dry-Season Water Table (C2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Surface Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): 2 Depth (inches): 2 Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Surfaces Water Table (B8) Oxidized Rhizospheres along Living Roots (CC) Presence of Reduced Iron (C4) Salt Deposits (C5) Stunted or Stressed Plants (D1) Saturation (D2) Stunted or Stressed Plants (D1) Sedimarks Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-neutral Test (D5) Wetland Hydrology Present? Yes No O Depth (inches): 2 Saturation Present?	emarks: YDROLOGY	ators:						Secondary	Indicators (two or more are required)
Saturation (A3)	emarks: YDROLOGY Vetland Hydrology Indic)						
Water Marks (B1)	YDROLOGY Yetland Hydrology Indic)	☐ Inundation V	fisible on Ae	erial Imager	ry (B7)	Water	Stained Leaves (B9)
Sediment Deposits (B2) Dry-Season Water Table (C2) Drift Deposits (B3) Other (Explain in Remarks) Geomorphic Position (D2) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Eld Observations: FAC-neutral Test (D5) Pepth (inches): Vater Table Present? Yes No Depth (inches): 5 Facultian Hydrology Present? Yes No Depth (inches): 2 Secribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	YDROLOGY etland Hydrology Indic rimary Indicators (any one Surface Water (A1))			_		Water Draina	Stained Leaves (B9) ge Patterns (B10)
□ Drift Deposits (B3) □ Other (Explain in Remarks) □ Geomorphic Position (D2) □ Algal Mat or Crust (B4) □ Shallow Aquitard (D3) □ Iron Deposits (B5) □ Microtopographic Relief (D4) □ Surface Soil Cracks (B6) □ FAC-neutral Test (D5) □ Surface Water Present? Yes □ No □ Depth (inches): Vater Table Present? Yes □ No □ Depth (inches): 5 □ Wetland Hydrology Present? Yes □ No □ Depth (inches): 2 □ Scribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	YDROLOGY Yetland Hydrology Indic rimary Indicators (any one Surface Water (A1) High Water Table (A2))	Sparsely Veg	etated Con	_		Water Draina Oxidize	Stained Leaves (B9) ige Patterns (B10) ed Rhizospheres along Living Roots (C
Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Weld Observations: Water Table Present? Yes No Depth (inches): Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): 2 Saturation Present? Yes No Depth (inches): 2 Sescribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	YDROLOGY [etland Hydrology Indic rimary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3))	Sparsely Veg Marl Deposit	etated Cond s (B15)	cave Surfac		Water Draina Oxidize	Stained Leaves (B9) Ige Patterns (B10) ed Rhizospheres along Living Roots (Conce of Reduced Iron (C4)
Iron Deposits (B5) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Indicator Deposits (B5) Surface Soil Cracks (B6) Indicator Deposits (B5) Indicator Deposits (B6) Indicator Deposits (B6) Indicator Deposits (B6) Indicator Deposits (B6) Indicator Deposits (Belief (D4) Indicator Deposits (B6) Indicator Deposi	YDROLOGY Vetland Hydrology Indic rimary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	is sufficient)	Sparsely Veg Marl Deposit Hydrogen Su	jetated Cond s (B15) ilfide Odor (cave Surfac		Water Draina Oxidize Preser Salt De	Stained Leaves (B9) Ige Patterns (B10) Ed Rhizospheres along Living Roots (Conce of Reduced Iron (C4) Eposits (C5)
Surface Soil Cracks (B6) FAC-neutral Test (D5)	YDROLOGY Vetland Hydrology Indic rimary Indicators (any one Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	is sufficient)	Sparsely Veg Marl Deposit Hydrogen Su Dry-Season	jetated Cond s (B15) ilfide Odor (Water Table	cave Surfac		Water Draina Oxidize Preser Salt De	Stained Leaves (B9) Ige Patterns (B10) Iged Rhizospheres along Living Roots (Conce of Reduced Iron (C4) Igeposits (C5) Ightharpoonup (D1)
Relid Observations: Sourface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): 5 Soutration Present? Yes No Depth (inches): 2 Secribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Secriberarks:	YDROLOGY Yetland Hydrology Indic rimary Indicators (any one ☐ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) ☐ Water Marks (B1) ☐ Sediment Deposits (B2) ☐ Drift Deposits (B3)	is sufficient)	Sparsely Veg Marl Deposit Hydrogen Su Dry-Season	jetated Cond s (B15) ilfide Odor (Water Table	cave Surfac		Water Draina Oxidize Preser Salt De Stunte Geome	Stained Leaves (B9) Ige Patterns (B10) ed Rhizospheres along Living Roots (Conce of Reduced Iron (C4) eposits (C5) Id or Stressed Plants (D1) orphic Position (D2) w Aquitard (D3)
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): 5 Saturation Present? Yes No Depth (inches): 2 Sescribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Surface Water Present? Yes No Depth (inches): 5 Wetland Hydrology Present? Yes No Depth (inches): 2	YDROLOGY Yetland Hydrology Indic rimary Indicators (any one Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	is sufficient)	Sparsely Veg Marl Deposit Hydrogen Su Dry-Season	jetated Cond s (B15) ilfide Odor (Water Table	cave Surfac		Water Draina Oxidize Preser Salt De Stunte Geome	Stained Leaves (B9) Ige Patterns (B10) ed Rhizospheres along Living Roots (Conce of Reduced Iron (C4) eposits (C5) Id or Stressed Plants (D1) orphic Position (D2) w Aquitard (D3)
Vater Table Present? Yes No Depth (inches): 5 Saturation Present? Yes No Depth (inches): 2 Sescribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Semarks:	POROLOGY Petland Hydrology Indice rimary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	is sufficient)	Sparsely Veg Marl Deposit Hydrogen Su Dry-Season	jetated Cond s (B15) ilfide Odor (Water Table	cave Surfac		Water Draina Oxidize Preser Salt De Stunte Geome	Stained Leaves (B9) Ige Patterns (B10) ed Rhizospheres along Living Roots (Conce of Reduced Iron (C4) eposits (C5) Id or Stressed Plants (D1) orphic Position (D2) w Aquitard (D3) opographic Relief (D4)
Saturation Present? Yes No Depth (inches): 2 escribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: emarks:	POROLOGY etland Hydrology Indic rimary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6	is sufficient		Sparsely Veg Marl Deposit Hydrogen Su Dry-Season	jetated Cond s (B15) ilfide Odor (Water Table	cave Surfac		Water Draina Oxidize Preser Salt De Stunte Geome	Stained Leaves (B9) Ige Patterns (B10) ed Rhizospheres along Living Roots (Conce of Reduced Iron (C4) eposits (C5) Id or Stressed Plants (D1) orphic Position (D2) w Aquitard (D3) opographic Relief (D4)
includes capillary fringe) Yes No Depth (inches): 2 escribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: emarks:	POROLOGY Tetland Hydrology Indic	yes C) No ⊙	Sparsely Veg Marl Deposit Hydrogen Su Dry-Season N Other (Expla	jetated Cond s (B15) ilfide Odor (Water Table in in Remar	cave Surfac		Water Draina Oxidize Preser Salt De Stunte Geome	Stained Leaves (B9) Ige Patterns (B10) ed Rhizospheres along Living Roots (Conce of Reduced Iron (C4) Reposits (C5) Id or Stressed Plants (D1) Porphic Position (D2) W Aquitard (D3) Ropographic Relief (D4) Reposits (D5)
escribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: emarks:	Process Pro	yes C) No ⊙	Sparsely Veg Marl Deposit Hydrogen Su Dry-Season V Other (Expla	etated Cond s (B15) alfide Odor (Water Table in in Reman	cave Surfac	e (B8)	Water □ Draina □ Oxidize □ Preser □ Salt De □ Stunte □ Geome ☑ Shalloe □ Microte ☑ FAC-ne	Stained Leaves (B9) Ige Patterns (B10) ed Rhizospheres along Living Roots (Conce of Reduced Iron (C4) Reposits (C5) Id or Stressed Plants (D1) Porphic Position (D2) W Aquitard (D3) Ropographic Relief (D4) Reposits (D5)
emarks:	Procedure of the present? Procedure of the present of the present? Procedure of the present of the present? Procedure of the present of the p	Yes Yes) No	Sparsely Veg Marl Deposit Hydrogen Su Dry-Season V Other (Expla	etated Cond s (B15) ulfide Odor (Water Table in in Reman es):	cave Surfac	e (B8)	Water □ Draina □ Oxidize □ Preser □ Salt De □ Stunte □ Geome ☑ Shalloe □ Microte ☑ FAC-ne	Stained Leaves (B9) Ige Patterns (B10) ed Rhizospheres along Living Roots (Conce of Reduced Iron (C4) Reposits (C5) Id or Stressed Plants (D1) Porphic Position (D2) W Aquitard (D3) Ropographic Relief (D4) Reposits (D5)
	POROLOGY Petland Hydrology Indication (any one	Yes Yes •) No	Sparsely Veg Marl Deposit Hydrogen Su Dry-Season V Other (Expla Depth (inche Depth (inche	etated Condes (B15) Ilfide Odor (Water Table in in Remanues): es): 2	cave Surfac (C1) e (C2) ks)	Wetlan	Water □ Draina □ Oxidize □ Preser □ Salt De □ Stunte □ Geome ☑ Shalloe □ Microte ☑ FAC-ne	Stained Leaves (B9) Ige Patterns (B10) ed Rhizospheres along Living Roots (Conce of Reduced Iron (C4) Reposits (C5) Id or Stressed Plants (D1) Porphic Position (D2) W Aquitard (D3) Ropographic Relief (D4) Reposits (D5)
nall stream or seep to the nw of plot.	POROLOGY Petland Hydrology Indicators (any one	Yes Yes •) No	Sparsely Veg Marl Deposit Hydrogen Su Dry-Season V Other (Expla Depth (inche Depth (inche	etated Condes (B15) Ilfide Odor (Water Table in in Remanues): es): 2	cave Surfac (C1) e (C2) ks)	Wetlan	Water □ Draina □ Oxidize □ Preser □ Salt De □ Stunte □ Geome ☑ Shalloe □ Microte ☑ FAC-ne	Stained Leaves (B9) Ige Patterns (B10) ed Rhizospheres along Living Roots (Conce of Reduced Iron (C4) Reposits (C5) Id or Stressed Plants (D1) Porphic Position (D2) W Aquitard (D3) Ropographic Relief (D4) Reposits (D5)
	PROLOGY etland Hydrology Indictimary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6 eld Observations: iurface Water Present? Vater Table Present? includes capillary fringe) escribe Recorded Data (street	Yes Yes •) No	Sparsely Veg Marl Deposit Hydrogen Su Dry-Season V Other (Expla Depth (inche Depth (inche	etated Condes (B15) Ilfide Odor (Water Table in in Remanues): es): 2	cave Surfac (C1) e (C2) ks)	Wetlan	Water □ Draina □ Oxidize □ Preser □ Salt De □ Stunte □ Geome ☑ Shalloe □ Microte ☑ FAC-ne	Stained Leaves (B9) Ige Patterns (B10) ed Rhizospheres along Living Roots (Conce of Reduced Iron (C4) Reposits (C5) Id or Stressed Plants (D1) Porphic Position (D2) W Aquitard (D3) Ropographic Relief (D4) Reposits (D5)

U.S. Army Corps of Engineers Alaska Version 2.0