WETLAND DETERMINATION DATA FORM - Alaska Region

Project	/Site: Susitna-Watana Hydroelectric Project		Borough/City:	Matanusk	ca-Susitna Borough Sampling Date: 04-Jul-13
Applica	nt/Owner: Alaska Energy Authority				Sampling Point: SW13_T122_06
	gator(s): SLI, SCB		Landform (h	nillside, terrac	ce, hummocks etc.): Lowland
	elief (concave, convex, none): none		Slope:	% / 1.6	E
	ion: Interior Alaska Mountains	l at ·	 62.8567993		Long.: -148.471207023 Datum: NAD83
_		Lat	02.0307993	043	
	p Unit Name:		0 Va	s • No O	NWI classification: PEM1E
	natic/hydrologic conditions on the site typical for this egetation $\ \Box$, Soil $\ \Box$, or Hydrology $\ \Box$	-			(If no, explain in Remarks.) Iormal Circumstances" present? Yes ● No ○
		-	ntly disturbed?		iornal oli daniotarioco present:
Ale v	egetation U , Soil U , or Hydrology U	naturally	problematic?	(if nee	eded, explain any answers in Remarks.)
SUMI	MARY OF FINDINGS - Attach site map sh	owing sa	impling poir	nt locations	s, transects, important features, etc.
	Hydrophytic Vegetation Present? Yes ● No	0		. 41 0	unland Ameri
	Hydric Soil Present? Yes ● No	0			pled Area letland? Yes ◉ No ◯
	Wetland Hydrology Present? Yes No	0	V	vithin a W	retland? Yes © No C
Rema	rks: wet sedge bog adjacent to lowland pond.				
VEGE	TATION -Use scientific names of plants.	List all sr	pecies in the	e plot.	
	•	Absolut		Indicator	Dominance Test worksheet:
Tre	e Stratum	% Cove			Number of Dominant Species
1.		0			That are OBL, FACW, or FAC: 3 (A)
2.		0			Total Number of Dominant Species Across All Strata: 3 (B)
3.					Percent of dominant Species
4.		0			That Are OBL, FACW, or FAC:100.0% (A/B)
5.		0			Prevalence Index worksheet:
	Total Cove	er: <u> </u>	_		Total % Cover of: Multiply by:
Sap	ling/Shrub Stratum 50% of Total Cover:	0 20	% of Total Cove	er: <u> </u>	OBL Species <u>36.3</u> x 1 = <u>36.3</u>
1.	Betula nana	3		FAC	FACW Species 5.1 x 2 = 10.2
	Andromeda polifolia (IAM)	0.:	1	OBL	FAC Species 3.1 x 3 = 9.3
3.	Picea mariana		<u> </u>	FACW	FACU Species 0 x 4 = 0
4.		0			UPL Species x 5 =0
5.		^			Column Totals: <u>44.5</u> (A) <u>55.8</u> (B)
6.		0			
7.		0			Prevalence Index = B/A = 1.253
8.		0			Hydrophytic Vegetation Indicators:
9.		0	_		✓ Dominance Test is > 50%
10.		0			✓ Prevalence Index is ≤3.0
	Total Cover			0.64	Morphological Adaptations (Provide supporting data in
	b Stratum 50% of Total Cover:		0% of Total Cov		Remarks or on a separate sheet)
1.	Eriophorum angustifolium			OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
2.	Trichophorum caespitosum			OBL	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3.	Carex rotundata			OBL	be present, unless disturbed of problematic.
4.	Eriophorum russeolum Carey aquatilis			FACW OBL	Plot size (radius, or length x width) 10m
	<u> </u>				% Cover of Wetland Bryophytes
			- =		
	<u> </u>	0.1		OBL	
		0.1		OBL	Total Cover of Dryophlytes
10.	Drosera anglica	0.1	<u> </u>	OBL	Hydrophytic
	Total Cove				Vegetation
	50% of Total Cover:	-	— 0% of Total Cove	er: <u>8.28</u>	Present? Yes No
	Total Cove	0.3 0.3 0.4 20.7 20	L	OBL OBL er: 8.28	% Cover of Wetland Bryophytes (Where applicable) % Bare Ground Total Cover of Bryophytes Hydrophytic Vegetation

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW13_T122_06

Color (moist) 96, Color (moist) 96, Type. Loc. Texture Remarks	Depth —	Matrix		ment the indicator or c	dox Features	5			
## Hemic Organics ## Hemic Orga		noist)		Color (moist)	<u>%</u> 1	Type ¹	Loc ²		Remarks
Type: C=Concentration. D=Depletion. RM=Reduced Matrix * Location: PL=Pore Lining, RC=Root Channel, M=Matrix **Hydric Soil Indicators:			100%					Fibric Organics	-
Hydric Soll Indicators: Histosol or Histel (A1)	8-12		100%					Hemic Organics	
Hydric Soil Indicators: Indicators for Problematic Hydric Soils? Histosol or Histel (A1) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Alaska Alpine swales (TA5) Alaska Gleyed (A13) Alaska Redox With 2.5Y Hue Other (Explain in Remarks) *Other (Explain in Remarks) *Other (Explain in Remarks) *Other (Explain in Remarks) *Indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, and an appropriate landscape position must be present *Great (A13) Alaska Gleyed (A13) Benaris Wettand Hydrology (A14) Benaris Benaris Benaris Indicators for (Explain in Remarks) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Benaris Benaris Benaris Indicators for (Explain in Remarks) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Benaris Benaris Benaris Indicators for (Explain in Remarks) Alaska Gleyed (A13) Alaska Gleyed (A13									
Hydric Soil Indicators: Indicators for Problematic Hydric Soils? Histosol or Histel (A1) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Alaska Alpine swales (TA5) Alaska Gleyed (A13) Alaska Redox With 2.5Y Hue Other (Explain in Remarks) *Other (Explain in Remarks) *Other (Explain in Remarks) *Other (Explain in Remarks) *Indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, and an appropriate landscape position must be present *Great (A13) Alaska Gleyed (A13) Benaris Wettand Hydrology (A14) Benaris Benaris Benaris Indicators for (Explain in Remarks) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Benaris Benaris Benaris Indicators for (Explain in Remarks) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Benaris Benaris Benaris Indicators for (Explain in Remarks) Alaska Gleyed (A13) Alaska Gleyed (A13									
Hydric Soil Indicators: Histosol or Histel (A1)									
Hydric Soil Indicators: Histosol or Histel (A1)									
Hydric Soil Indicators: Histosol or Histel (A1)									
Hydric Soil Indicators: Indicators for Problematic Hydric Soils? Histosol or Histel (A1) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Alaska Alpine swales (TA5) Alaska Gleyed (A13) Alaska Redox With 2.5Y Hue Other (Explain in Remarks) *Other (Explain in Remarks) *Other (Explain in Remarks) *Other (Explain in Remarks) *Indicator of hydrophytic vegetation, one primary indicator of wetland hydrology, and an appropriate landscape position must be present *Great (A13) Alaska Gleyed (A13) Benaris Wettand Hydrology (A14) Benaris Benaris Benaris Indicators for (Explain in Remarks) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Benaris Benaris Benaris Indicators for (Explain in Remarks) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Benaris Benaris Benaris Indicators for (Explain in Remarks) Alaska Gleyed (A13) Alaska Gleyed (A13								-	
Hydric Soil Indicators: Histosol or Histel (A1)	1 Type: C-Concentration	D-Doplotion	DM-Doduc	and Matrix 2 Location	DI -Doro Li	ining DC-D	loot Cha	nnal M-Matrix	
Histosol or Histel (A1)		D=Depletion	i. RM=Reduc			_		miei. M=Maurix	
Histic Epipedon (A2)	_				4	yarıc Sons	··) Alaska Claused \Affile 11	FV D-44
Hydrogon Sulfide (A4)							Ш		ue sy or redder
Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed Pores (A15) Alaska Gleyed Pores (A15) Restrictive Layer (if present): Type: frozen Depth (inches): 12 Remarks: Hydric Soil Present? Yes No Present					, ,			, , ,	s)
Alaska Gleyed (A13) Alaska Redox (A14) Alaska Redox (A14) Alaska Redox (A15) Alaska Redox (A16) Alaska Redox (A17) Alaska Redox (A17) Alaska Redox (A18) Alaska Redo	_ ′ • ′ ′			Alaska Redux	With 2.51 flue			other (Explain in Remain	Δ)
Alaska Redox (A14) Alaska Gleyed Pores (A15) APPROLOGY Wettand Hydrology Indicators: Primary Indicators (any one is sufficient) Inundation Visible on Aerial Imagery (B7) High Water Table (A2) Sparsely Vegetated Concave Surface (B8) Alaration (A3) Marl Deposts (B15) Water Marks (B1) Sediment Deposts (B2) Dirth Deposts (B3) Algal Mat or Crust (B4) Iron Deposts (B3) Surface Soil Cracks (B6) Field Observations: Surface Water Present? Yes No Depth (inches): 1 Wetland Hydrology Present? Wetland Hydrology Indicators (two or more are required) Water Table (A2) Sparsely Vegetated Concave Surface (B8) Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4) Salt Deposits (B5) Dirth Deposits (B5) Dirth Deposits (B5) Surface Soil Cracks (B6) FAC-neutral Test (D5) Wetland Hydrology Present? Yes No Depth (inches): 1 Wetland Hydrology Present? Yes No Depth (inches): 0 Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:		12)		³ One indicator o	f hydrophytic v	egetation,	one prim	nary indicator of wetland h	ydrology,
Alaska Gleyed Pores (A15) Restrictive Layer (if present): Type: frozen Depth (inches): 12 Remarks: Hydric Soil Present? Yes No Depth (inches): 12 Alaska Gleyed Pores (A15) Hydric Soil Present? Yes No Depth (inches): 12 No Depth (inches): 12 Hydric Soil Present? Yes No Depth (inches): 12 Hydric Soil Present? Yes No Depth (inches): 12 Hydric Soil Present? Yes No Depth (inches): 12 Alaska Gleyed Pores (A15) Hydric Soil Present? Yes No Depth (inches): 12 Hydric Soil Present? Yes No Depth (inches): 1 Water Table (A2) Drift Deposits (B1) Drift Deposits (B2) Drift Deposits (B3) Drift Deposits (B4) Drift Deposits (B5) Depth (inches): 1 Depth (inches): 1 Depth (inches): 1 Depth (inches): 0 Depth (inches): 0 Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	_			and an appropria	ite landscape p	osition mus	st be pre	esent	
Restrictive Layer (if present): Type: frozen Depth (inches): 12 Remarks: Hydric Soil Present? Yes No No No No No No No No No No	_ ` ′	\15\		4 Give details of	color change in	Remarks			
Type: frozen Depth (inches): 12 Remarks: Hydric Soil Present? Yes No No	`	•							
Piper (inches): 12 Remarks: Remark	_	:):						Hudvie Ceil Drocent	You No O
### Agemarks: AYDROLOGY								nyuric Son Present	r res 😌 No 🔾
Wetland Hydrology Indicators: Primary Indicators (any one is sufficient) ✓ Surface Water (A1) ✓ High Water Table (A2) ✓ Saturation (A3) ✓ Water Marks (B1) ✓ Water Marks (B1) ✓ Drainage Patterns (B10) ✓ Water Marks (B1) ✓ Water Marks (B1) ✓ Water Marks (B1) ✓ Drainage Patterns (B10) ✓ Water Marks (B1) ✓ Water Marks (B1) ✓ Drainage Patterns (B10) ✓ Sparsely Vegetated Concave Surface (B8) ✓ Oxidized Rhizospheres along Living Roots (C3) ✓ Presence of Reduced Iron (C4) ✓ Salt Deposits (B2) ✓ Dry-Season Water Table (C2) ✓ Stunted or Stressed Plants (D1) ✓ Drift Deposits (B3) ✓ Other (Explain in Remarks) ✓ Shallow Aquitard (D3) ✓ Iron Deposits (B5) ✓ Surface Soil Cracks (B6) ✓ FAC-neutral Test (D5) Field Observations: Surface Water Present? ✓ Yes ✓ No Depth (inches): 2 Water Table Present? ✓ Yes ✓ No Depth (inches): 0 Depth (inches): 0 Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:									
Primary Indicators (any one is sufficient) Valuer Stained Leaves (B9) Valuer Stained Leaves (B10) Valuer Stained Leaves (B9) Valuer Stained Leaves (B10) Valuer Stained Leaves (B9) Valuer Stained Leaves (B10) Valuer Stained Leaves (B9) Valuer Stained Leaves (B9) Valuer Stained Leaves (B9) Valuer Stained Leaves (B10) Valuer St									
✓ Surface Water (A1) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) ✓ High Water Table (A2) Sparsely Vegetated Concave Surface (B8) Oxidized Rhizospheres along Living Roots (C3) ✓ Saturation (A3) Marl Deposits (B15) Presence of Reduced Iron (C4) Water Marks (B1) 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) ✓ Shallow Aquitard (D3) Iron Deposits (B5) Microtopographic Relief (D4) Surface Soil Cracks (B6) ✓ FAC-neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): 2 Water Table Present? Yes No Depth (inches): 1 Wetland Hydrology Present? Yes No Depth (inches): 0 Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:									
✓ High Water Table (A2) Sparsely Vegetated Concave Surface (B8) Oxidized Rhizospheres along Living Roots (C3) ✓ Saturation (A3) Marl Deposits (B15) Presence of Reduced Iron (C4) Water Marks (B1) 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) ✓ Shallow Aquitard (D3) Iron Deposits (B5) Microtopographic Relief (D4) Surface Soil Cracks (B6) ✓ FAC-neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): 2 Water Table Present? Yes No Depth (inches): 1 Wetland Hydrology Present? Yes No Depth (inches): 0 Depth (inches): 0 Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	Wetland Hydrology Ind								
✓ Saturation (A3)	Wetland Hydrology Ind Primary Indicators (any or		t)					Water Stai	ned Leaves (B9)
Water Marks (B1)	Wetland Hydrology Indi Primary Indicators (any or Surface Water (A1)	e is sufficien	it)					Water Stai Drainage F	ned Leaves (B9) latterns (B10)
□ 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) □ Shallow Aquitard (D3) □ Microtopographic Relief (D4) □ Surface Soil Cracks (B6) □ PFAC-neutral Test (D5) Field Observations: Surface Water Present? Yes ○ No ○ Depth (inches): 2 Water Table Present? Yes ○ No ○ Depth (inches): 1 Saturation Present? Yes ○ No ○ Depth (inches): 0 Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	Wetland Hydrology Ind Primary Indicators (any or Surface Water (A1) High Water Table (A2	e is sufficien	ıt)	Sparsely Ve	getated Concav			Water Stai Drainage F Oxidized R	ned Leaves (B9) latterns (B10) hizospheres along Living Roots (C3)
□ Drift Deposits (B3) □ Other (Explain in Remarks) □ Geomorphic Position (D2) □ Algal Mat or Crust (B4) □ Iron Deposits (B5) □ Microtopographic Relief (D4) □ Surface Soil Cracks (B6) □ FAC-neutral Test (D5) □ FAC-neutral Test (D5) □ Surface Water Present? Yes ○ No ○ Depth (inches): 2 □ Water Table Present? Yes ○ No ○ Depth (inches): 1 □ Wetland Hydrology Present? Yes ○ No ○ Depth (inches): 0 □ Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	Wetland Hydrology Ind Primary Indicators (any or Surface Water (A1) High Water Table (A2) Saturation (A3)	e is sufficien	t)	Sparsely Ve	getated Concav			Water Stai Drainage F Oxidized R Presence of	ned Leaves (B9) latterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4)
Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Field Observations: Surface Water Present? Yes No Depth (inches): 2 Water Table Present? Yes No Depth (inches): 1 Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	Wetland Hydrology Indi Primary Indicators (any or Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1)	e is sufficien	t)	Sparsely Ve Marl Deposi Hydrogen S	getated Concav ts (B15) ulfide Odor (C1	ve Surface (Water Stai Drainage F Oxidized R Presence o Salt Depos	ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) its (C5)
☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) Field Observations: Surface Water Present? Yes No Depth (inches): 2 Water Table Present? Yes No Depth (inches): 1 Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	Wetland Hydrology Indi Primary Indicators (any or ✓ Surface Water (A1) ✓ High Water Table (A2 ✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B	e is sufficien	t)	Sparsely Ve Marl Deposi Hydrogen S Dry-Season	getated Concav ts (B15) ulfide Odor (C1 Water Table (C	ve Surface (Water Stai Drainage F Oxidized R Presence o Salt Depos Stunted or	ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) its (C5) Stressed Plants (D1)
Surface Soil Cracks (B6) Field Observations: Surface Water Present? Yes No Depth (inches): 2 Water Table Present? Yes No Depth (inches): 1 Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	Wetland Hydrology Indi Primary Indicators (any or ✓ Surface Water (A1) ✓ High Water Table (A2 ✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B3)	e is sufficien)	t)	Sparsely Ve Marl Deposi Hydrogen S Dry-Season	getated Concav ts (B15) ulfide Odor (C1 Water Table (C	ve Surface (Water Stai Drainage F Oxidized R Presence o Salt Depos Stunted or Geomorph	ned Leaves (B9) htterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) htts (C5) Stressed Plants (D1) c Position (D2)
Field Observations: Surface Water Present? Yes No Depth (inches): 2 Water Table Present? Yes No Depth (inches): 1 Saturation Present? Yes No Depth (inches): 0 Depth (inches): 0 Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	Wetland Hydrology Indi Primary Indicators (any or ✓ Surface Water (A1) ✓ High Water Table (A2 ✓ Saturation (A3) — Water Marks (B1) — Sediment Deposits (B — Drift Deposits (B3) — Algal Mat or Crust (B6)	e is sufficien)	t)	Sparsely Ve Marl Deposi Hydrogen S Dry-Season	getated Concav ts (B15) ulfide Odor (C1 Water Table (C	ve Surface (Water Stai □ Drainage F □ Oxidized R □ Presence c □ Salt Depos □ Stunted or □ Geomorph ☑ Shallow Ac	ned Leaves (B9) htterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) htts (C5) Stressed Plants (D1) c Position (D2) uitard (D3)
Surface Water Present? Yes No Depth (inches): 2 Water Table Present? Yes No Depth (inches): 1 Saturation Present? (includes capillary fringe) Yes No Depth (inches): 0 Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	Wetland Hydrology Ind Primary Indicators (any or ✓ Surface Water (A1) ✓ High Water Table (A2 ✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	e is sufficien) 2)	ıt)	Sparsely Ve Marl Deposi Hydrogen S Dry-Season	getated Concav ts (B15) ulfide Odor (C1 Water Table (C	ve Surface (Water Stai □ Drainage F □ Oxidized R □ Presence o □ Salt Depos □ Stunted or □ Geomorph ☑ Shallow Ac □ Microtopog	ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) its (C5) Stressed Plants (D1) c Position (D2) uitard (D3) rraphic Relief (D4)
Water Table Present? Yes No Depth (inches): 1 Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	Wetland Hydrology Indi Primary Indicators (any or ✓ Surface Water (A1) ✓ High Water Table (A2 ✓ Saturation (A3) — Water Marks (B1) — Sediment Deposits (B3) — Algal Mat or Crust (B4) — Iron Deposits (B5) — Surface Soil Cracks (B4)	e is sufficien) 2)	t)	Sparsely Ve Marl Deposi Hydrogen S Dry-Season	getated Concav ts (B15) ulfide Odor (C1 Water Table (C	ve Surface (Water Stai □ Drainage F □ Oxidized R □ Presence o □ Salt Depos □ Stunted or □ Geomorph ☑ Shallow Ac □ Microtopog	ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) its (C5) Stressed Plants (D1) c Position (D2) uitard (D3) rraphic Relief (D4)
Saturation Present? (includes capillary fringe) Pescribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	Wetland Hydrology Ind Primary Indicators (any or ✓ Surface Water (A1) ✓ High Water Table (A2 ✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E	e is sufficien) 2) () 6)		Sparsely Ve Marl Deposi Hydrogen S Dry-Season Other (Expla	getated Concav ts (B15) ulfide Odor (C1 Water Table (Cain in Remarks)	ve Surface (Water Stai □ Drainage F □ Oxidized R □ Presence o □ Salt Depos □ Stunted or □ Geomorph ☑ Shallow Ac □ Microtopog	ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) its (C5) Stressed Plants (D1) c Position (D2) uitard (D3) rraphic Relief (D4)
(includes capillary fringe) Pes No Depth (inches): 0 Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available: Remarks:	Wetland Hydrology Indi Primary Indicators (any or ✓ Surface Water (A1) ✓ High Water Table (A2 ✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E5) Field Observations: Surface Water Present?	e is sufficien 2) 3) 6) Yes	No ○	Sparsely Ve Marl Deposi Hydrogen S Dry-Season Other (Expla	getated Concav ts (B15) ulfide Odor (C1 Water Table (Cain in Remarks)	ve Surface ((B8)	Water Stai □ Drainage F □ Oxidized R □ Presence o □ Salt Depos □ Stunted or □ Geomorph ☑ Shallow Ac □ Microtopog ☑ FAC-neutra	ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) its (C5) Stressed Plants (D1) c Position (D2) uitard (D3) rraphic Relief (D4) I Test (D5)
Remarks:	Wetland Hydrology Indi Primary Indicators (any or ✓ Surface Water (A1) ✓ High Water Table (A2 ✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E5) Field Observations: Surface Water Present?	e is sufficien 2) 3) 6) Yes	No ○	Sparsely Ve Marl Deposi Hydrogen S Dry-Season Other (Expla	getated Concav ts (B15) ulfide Odor (C1 Water Table (Cain in Remarks)	ve Surface ((B8)	Water Stai □ Drainage F □ Oxidized R □ Presence o □ Salt Depos □ Stunted or □ Geomorph ☑ Shallow Ac □ Microtopog ☑ FAC-neutra	ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) its (C5) Stressed Plants (D1) c Position (D2) uitard (D3) rraphic Relief (D4) I Test (D5)
	Wetland Hydrology Indi Primary Indicators (any or ✓ Surface Water (A1) ✓ High Water Table (A2 ✓ Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (EField Observations: Surface Water Present? Water Table Present?	e is sufficien 2) 4) 6) Yes 4 Yes	No O	Sparsely Ve Marl Deposi Hydrogen S Dry-Season Other (Expla	getated Concave ts (B15) ulfide Odor (C1 Water Table (Cannin in Remarks) es): 2	ve Surface ((B8)	Water Stai □ Drainage F □ Oxidized R □ Presence o □ Salt Depos □ Stunted or □ Geomorph ☑ Shallow Ac □ Microtopog ☑ FAC-neutra	ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) its (C5) Stressed Plants (D1) c Position (D2) uitard (D3) rraphic Relief (D4) I Test (D5)
	Wetland Hydrology Ind Primary Indicators (any or ✓ Surface Water (A1) ✓ High Water Table (A2 ✓ Saturation (A3) — Water Marks (B1) — Sediment Deposits (B3) — Algal Mat or Crust (B4) — Iron Deposits (B5) — Surface Soil Cracks (EField Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	e is sufficien 2) Yes Yes Yes	No O No O No O	Sparsely Ve Marl Deposi Hydrogen S Dry-Season Other (Explain Depth (inch Depth (inch	getated Concave ts (B15) ulfide Odor (C1) Water Table (Cain in Remarks) es): 2 es): 2 es): 1 es): 0	ve Surface (B8)	Water Stai □ Drainage F □ Oxidized R □ Presence o □ Salt Depos □ Stunted or □ Geomorph ☑ Shallow Ac □ Microtopog ☑ FAC-neutra	ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) its (C5) Stressed Plants (D1) c Position (D2) uitard (D3) rraphic Relief (D4) I Test (D5)
Surface water depth excludes adjacent lowland pond.	Wetland Hydrology Indi Primary Indicators (any or Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E5) Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (S	e is sufficien 2) Yes Yes Yes	No O No O No O	Sparsely Ve Marl Deposi Hydrogen S Dry-Season Other (Explain Depth (inch Depth (inch	getated Concave ts (B15) ulfide Odor (C1) Water Table (Cain in Remarks) es): 2 es): 2 es): 1 es): 0	ve Surface (B8)	Water Stai □ Drainage F □ Oxidized R □ Presence o □ Salt Depos □ Stunted or □ Geomorph ☑ Shallow Ac □ Microtopog ☑ FAC-neutra	ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) its (C5) Stressed Plants (D1) c Position (D2) uitard (D3) rraphic Relief (D4) I Test (D5)
	Wetland Hydrology Indi Primary Indicators (any or Surface Water (A1) High Water Table (A2 Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (E5) Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (S	e is sufficien 2) Yes Yes Yes	No O No O No O	Sparsely Ve Marl Deposi Hydrogen S Dry-Season Other (Explain Depth (inch Depth (inch	getated Concave ts (B15) ulfide Odor (C1) Water Table (Cain in Remarks) es): 2 es): 2 es): 1 es): 0	ve Surface (B8)	Water Stai □ Drainage F □ Oxidized R □ Presence o □ Salt Depos □ Stunted or □ Geomorph ☑ Shallow Ac □ Microtopog ☑ FAC-neutra	ned Leaves (B9) atterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) its (C5) Stressed Plants (D1) c Position (D2) uitard (D3) rraphic Relief (D4) I Test (D5)

U.S. Army Corps of Engineers Alaska Version 2.0