## WETLAND DETERMINATION DATA FORM - Alaska Region

Projec	t/Site: Susitna-Watana Hydroelectric Project		Bor	ough/City:	Matanusk	a-Susitna Borough Sampling Date: 22-Aug-15
Applic	ant/Owner: Alaska Energy Authority					Sampling Point: SW15_T304_02
	gator(s): BAB		La	ndform (hills	side, terrac	e, hummocks etc.): Depression
	relief (concave, convex, none): concave		— S	lope: 1.7	% / 1.0	·
	gion : Interior Alaska Mountains	La		· —		Long.: Datum: WGS84
		La	··· —			
	ap Unit Name:				<u> </u>	NWI classification: PEM1F
	matic/hydrologic conditions on the site typical for this ti				● No ○	(If no, explain in Remarks.)  ormal Circumstances" present? Yes ● No ○
		-	-	listurbed?		ormai orioamstanoes present:
Are \	/egetation ☐ , Soil ☐ , or Hydrology ☐	natural	ly prob	elematic?	(If nee	ded, explain any answers in Remarks.)
MUS	MARY OF FINDINGS - Attach site map show	wing s	samp	ling point	locations	s, transects, important features, etc.
	Hydrophytic Vegetation Present? Yes  No	)				
	(a) (b)			Is	the Sam	pled Area
	,			wi	thin a W	etland? Yes ● No ○
Dom	, ,		iithn			
Rem	arks: Depression on glacial till parent material. Gentle	siope w	ith un	restricted of	ITTIOW.	
/EGI	ETATION - Use scientific names of plants. Li	ict all	cnoci	os in tha	olot	
LO	- TATION - Ose scientific flames of plants. Li	ist all	speci	es iii tile	piot.	December 2011
_		Absol		Dominant		Dominance Test worksheet:  Number of Dominant Species
1.	e Stratum	% Co	ver	Species?	Status	That are OBL, FACW, or FAC: 1 (A)
		_	_			Total Number of Dominant
2.		_	_			Species Across All Strata: (B)
3. 4.		_	_			Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
5.		_	_			111at Are OBL, FAGW, 01 FAG. 100:09% (A/B)
5.	Total Cover	. –	_			Prevalence Index worksheet:
<b>C</b>			<u>n</u> 20% of	Total Cover:	0	Total % Cover of: Multiply by:
Sal	oling/Shrub Stratum 50% of Total Cover:	0	20/6 01	—	0	OBL Species 32 x 1 = 32
1.	Andromeda polifolia(IAM)	_	1		OBL	FACW Species 2 x 2 = 4
2.	Picea mariana	-			FACW	FAC Species <u>1</u> x 3 = <u>3</u>
3.	Betula nana		1		FAC	FACU Species 0 x 4 = 0
4.	Salix pulchra				FACW	UPL Species <u>0</u> x 5 = <u>0</u>
5.						Column Totals: <u>35</u> (A) <u>39</u> (B)
6.		_	0			Prevalence Index = B/A = 1.114
7.		_	0			
8.		_	0			Hydrophytic Vegetation Indicators:
9.		_	0			✓ Dominance Test is > 50%
10.		_	0			✓ Prevalence Index is ≤3.0
ша	<b>Total Cover b Stratum</b> 50% of Total Cover:		<u>4</u> 20% o	f Total Cover	: 0.8	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
	Carex rotundata		20	<b>✓</b>	OBL	Problematic Hydrophytic Vegetation (Explain)
	Eriophorum angustifolium	_	5		OBL	Indicators of hydric soil and wetland hydrology must
3.	Trichophorum caespitosum	_	5	$\Box$	OBL	be present, unless disturbed or problematic.
	Eriophorum scheuchzeri	-	1	$\Box$	OBL	
	Zhophorain concashzon	-	0			Plot size (radius, or length x width)
			0			% Cover of Wetland Bryophytes (Where applicable)
			0			
			0			% Bare Ground 60  Total Cover of Bryophytes 30
			0			
			0			Hydrophytic
IU.	Total Cover	·3	1			Vegetation
10.	Total Cover					- (-)
10.	50% of Total Cover:	15.5	20% of	Total Cover:	6.2	Present? Yes   No

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW15\_T304\_02

Color (molest)   Secondary Indicators   Secondary Indicators (two or more are required)   Propertical Secondary Indicators (two or more are required)   Propertication (Secondary Indicators (Second	Depth ———	Matrix		Re	dox Featu			_	
2-3 3-13 Musky Peat  Musky Pea		(moist)	<u>%</u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	<u>Loc</u> <sup>2</sup>	Texture	Remarks
3-13   Mucky Prox    3-17ype: C=Concentration. D=Depletion. RM=Reduced Matrix   2-Location: PL=Pore Lining, RC=Root Channel. M=Matrix    1-17ype: C=Concentration. D=Depletion. RM=Reduced Matrix   2-Location: PL=Pore Lining, RC=Root Channel. M=Matrix    1-17ype: C=Concentration. D=Depletion. RM=Reduced Matrix   2-Location: PL=Pore Lining, RC=Root Channel. M=Matrix    1-17ype: C=Concentration. D=Depletion. RM=Reduced Matrix   2-Location: PL=Pore Lining, RC=Root Channel. M=Matrix    1-17ype: C=Concentration. D=Depletion. RM=Reduced Matrix   2-Location: PL=Pore Lining, RC=Root Channel. M=Matrix    1-17ype: C=Concentration. D=Depletion. RM=Reduced Matrix   2-Location: PL=Pore Lining, RC=Root Channel. M=Matrix    1-17ype: C=Concentration. D=Depletion. RM=Reduced Matrix   2-Location: PL=Pore Lining, RC=Root Channel. M=Matrix    1-17ype: C=Concentration. D=Depletion. RM=Reduced Matrix   2-Location: PL=Pore Lining, RC=Root Channel. M=Matrix    1-17ype: C=Concentration. D=Depletion. RM=Reduced Matrix   2-Location: PL=Pore Lining, RC=Root Channel. M=Matrix    1-17ype: C=Concentration. D=Depletion Remarks   2-Location: PL=Pore Lining, RC=Root Channel. M=Matrix    1-17ype: C=Concentration. D=Depletion H=Matrix   2-Location: PL=Pore Lining, RC=Root Channel. M=Matrix    1-17ype: C=Concentration. D=Depletion H=Matrix   2-Location: PL=Pore Lining, RC=Root Channel. M=Matrix    1-17ype: C=Concentration Lining, RC=Root Channel. M=Matrix   2-Location: PL=Pore Lining, RC=Root Channel. M=Matrix    1-17ype: C=Concentration Lining, RC=Root Channel. M=Matrix   2-Location Remarks    1-17ype: C=Concentration Lining, RC=Root Channel							-	-	-
**Type: C=Concentration. D=Depletion. RM=Reduced Matrix									
Hydric Soil Indicators:  Histosol or Histel (A1)  Histosol or Histel (A2)  Alaska Alpine swales (TA5)  Alaska Alpine Swales (TA5)  Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer  Other (Explain in Remarks)  Other (Explain in Remarks)  * Other (Explain in Re	3-13							Mucky Peat	
Hydric Soil Indicators:  Histosoi or Histel (A1)  Histosoi or Histel (A2)  Alaska Alpine swales (TA5)  Alaska Alpine Swales (TA5)  Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer  Underlying Layer  Other (Explain in Remarks)  Other (Explain in Remarks)  *Give details of color change in Remarks  *Give details of color change in Remarks  *Give details of color change in Remarks  #Hydric Soil Present? Yes • No  Presence of Reduced Iron (C4)  *Surface Water Alaska (A3)  *Jeff Color (A3)  *Jeff Col									
Hydric Soil Indicators:  Histosoi or Histel (A1)  Histosoi or Histel (A2)  Alaska Alpine swales (TA5)  Alaska Alpine Swales (TA5)  Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer  Underlying Layer  Other (Explain in Remarks)  Other (Explain in Remarks)  *Give details of color change in Remarks  *Give details of color change in Remarks  *Give details of color change in Remarks  #Hydric Soil Present? Yes • No  Presence of Reduced Iron (C4)  *Surface Water Alaska (A3)  *Jeff Color (A3)  *Jeff Col									
Hydric Soil Indicators:  Histosol or Histel (A1)  Histosol or Histel (A2)  Alaska Alpine swales (TA5)  Alaska Alpine Swales (TA5)  Alaska Gleyed Mithout Hue 5Y or Redder Underlying Layer  Other (Explain in Remarks)  Other (Explain in Remarks)  * Other (Explain in Re									
Hydric Soil Indicators:    Histosoil or Histel (A1)							-		
Hydric Soil Indicators:    Histosoil or Histel (A1)								-	
Histosol or Histel (A1)  Histosol or Histel (A2)  Alaska Alpine swales (TA3)  Thick Dark Surface (A12)  Alaska Gleyed (A13)  Alaska Redox (A14)  Alaska Gleyed (A13)  Alaska Gleyed (Alas)  Alaska Gleyed (A13)  Alaska Gleyed (A13)  Alaska Gleyed (Alaska Reseautor)  Alaska Gleyed (Alasea)  Alaska Gleyed (Alasea)  Alaska Gleyed (Alasea)  Alaska Gleyed (Alasea)  Alaska	Type: C=Concentration	n. D=Depletio	n. RM=Redu	ced Matrix <sup>2</sup> Location	on: PL=Pore	Lining. RC	=Root Cha	nnel. M=Matrix	
Histic Epipedon (A2)	Hydric Soil Indicator			Indicators for P	roblematic	: Hydric So	oils:		
Phydrogen Sulfide (A4)	Histosol or Histel (A	1)		Alaska Color (	Change (TA4	<b>4</b> })		Alaska Gleyed Without H	ue 5Y or Redder
Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Redox (A14) Alaska Redox (A14) Alaska Redox (A15) Alaska Redox (A15) Alaska Redox (A15) Alaska Redox (A16) Alaska Redox (A16) Alaska Redox (A17) Alaska Redox (A17) Alaska Redox (A18) Alaska Redox (A19) Bestrictive Layer (if present): Type: Depth (inches):  Property (inches):  Prop	✓ Histic Epipedon (A2	)		Alaska Alpine	swales (TA5	5)		Underlying Layer	
Alaska Gleyed (A13) Alaska Redox (A14) Alaska Redox (A14) Alaska Redox (A15) Alaska Redox (A15) Alaska Redox (A15)  *Give details of color change in Remarks  *Bestrictive Layer (if present): Type: Depth (inches):  ### Hydric Soil Present? Yes ● No □  ### No □  #### No □  ##### No □  #### No □  #### No □  ##### No □  ###### No □  ###################################	Hydrogen Sulfide (	.4)		Alaska Redox	With 2.5Y H	lue		Other (Explain in Remark	rs)
Alaska Rock (A14) Alaska Rock (A15) Alaska Gleyed Pores (A15) Alaska Gleyed Pores (A15)  Bestrictive Layer (if present): Type: Depth (Inches):  ### Hydric Soil Present? Yes * No Depth (Inches):  ### Present? Present? Type:	Thick Dark Surface	(A12)		30	e balanda da				d de
Alaska Redox (A14) Alaska Gleyed Pores (A15) Alaska Redox (A15)	Alaska Gleyed (A13								ydrology,
Hydric Soil Present? Yes  No	_ ` '			4 Give details of	color change	in Domark	·		
Type: Depth (inches):    Path (inches):   Present?   Pr		(A15)		Give details of t	color change	z III Kemark			
POROLOGY  Vetand Hydrology Indicators:  Secondary Indicators (two or more are required)  Vetand Hydrology Indicators (any one is sufficient)  ✓ Surface Water (A1)  ✓ High Water Table (A2)  ✓ Saturation (A3)  ✓ Nater Marks (B1)  ✓ Water Marks (B1)  ✓ Presence of Reduced Iron (C4)  ✓ Saturation (B2)  ✓ Dry-Season Water Table (C2)  ✓ Saturation (B3)  ✓ Dry-Season Water Table (C2)  ✓ Saturation (B4)  ✓ Iron Deposits (B5)  ✓ Iron Deposits (B6)  ✓ FAC-neutral Test (D5)  Selface Water Present?  ✓ Yes  ✓ No  ✓ Depth (inches): 0  Wetland Hydrology Present?  Yes  ✓ No  ✓ Depth (inches): 0  Wetland Hydrology Present?  Yes  ✓ No  ✓ Depth (inches): 0  Wetland Hydrology Present?  Yes  ✓ No  ✓ Depth (inches): 0  Wetland Hydrology Present?  Yes  ✓ No  ✓ Depth (inches): 0  Wetland Hydrology Present?  Yes  ✓ No  ✓ Depth (inches): 0  Wetland Hydrology Present?  Yes  ✓ No  ✓ Depth (inches): 0  Wetland Hydrology Present?  Yes  ✓ No  ✓ Depth (inches): 0  Wetland Hydrology Present?  Yes  ✓ No  ✓ Saturation Present?  Yes  ✓ No  ✓ Depth (inches): 0  Wetland Hydrology Present?  Yes  ✓ No  ✓ Saturation Present?  Yes  ✓ No  ✓ Depth (inches): 0  Wetland Hydrology Present?  Yes  ✓ No  ✓ Saturation Present?  Yes  ✓ No  ✓ Depth (inches): 0  Wetland Hydrology Present?  Yes  ✓ No  ✓ Saturation Present?  Yes  ✓ No  ✓ Depth (inches): 0  Wetland Hydrology Present?  Yes  ✓ No  ✓ No  ✓ Depth (inches): 0  Wetland Hydrology Present?  Yes  ✓ No  ✓ No  ✓ Depth (inches): 0  Wetland Hydrology Present?  Yes  ✓ No  ✓ No  ✓ Depth (inches): 0  Wetland Hydrology Present?  Yes  ✓ No	estrictive Layer (if pres	ent):							
## Wetland Hydrology Indicators:	Type:							Hydric Soil Present	? Yes ● No 🔾
YDROLOGY   Wetland Hydrology Indicators:   Secondary Indicators (two or more are required)   Water Stained Leaves (B9)   Water Stained Leaves (B9)   Drainage Patterns (B10)   Drainage Patterns (B10)   Water Table (A2)   Sparsely Vegetated Concave Surface (B8)   Oxidized Rhizospheres along Living Roots (C3)   Saturation (A3)   Marl Deposits (B15)   Presence of Reduced Iron (C4)   Salt Deposits (C5)   Salt Deposits (C5)   Salt Deposits (C5)   Drift Deposits (B2)   Dry-Season Water Table (C2)   Stunted or Stressed Plants (D1)   Drift Deposits (B3)   Other (Explain in Remarks)   Geomorphic Position (D2)   Shallow Aquitard (D3)   Iron Deposits (B5)   Microtopographic Relief (D4)   Salt Deposits (B5)   Microtopographic Relief (D4)   Salt Deposits (B5)   Wetland Hydrology Present? Yes No Depth (inches): 0   No Depth (inches): 0   Depth (i	5 11 (1 1 )								
Wetland Hydrology Indicators:     Secondary Indicators (two or more are required)       Primary Indicators (any one is sufficient)     □ Water Stained Leaves (B9)       ✓ 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)     □ Microtopographic Relief (D4)       □ Iron Deposits (B5)     □ Microtopographic Relief (D4)       □ Surface Water Present?     Yes • No ○ Depth (inches): 3       Water Table Present?     Yes • No ○ Depth (inches): 0       Wetland Hydrology Present?     Yes • No ○ Depth (inches): 0       Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	, , ,								
Primary Indicators (any one is sufficient)    Value	, , ,								
✓ Surface Water (A1)	emarks:								
✓ 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)       Microtopographic Relief (D4)         Iron Deposits (B5)       Microtopographic Relief (D4)       FAC-neutral Test (D5)         Field Observations:       Surface Water Present?       Yes No Depth (inches): 3       Wetland Hydrology Present? Yes No Depth (inches): 0         Water Table Present?       Yes No Depth (inches): 0       Depth (inches): 0       Wetland Hydrology Present? Yes No Depth (inches): 0         Vescribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:       Remarks:	emarks:  YDROLOGY Vetland Hydrology I								
✓ 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)         Feld Observations:       Surface Water Present?       Yes No Depth (inches): 3         Water Table Present?       Yes No Depth (inches): 0       Wetland Hydrology Present? Yes No Depth (inches): 0         Saturation Present? (includes capillary fringe)       Yes No Depth (inches): 0       No Depth (inches): 0         Vescribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	YDROLOGY Vetland Hydrology I	one is sufficie	ıt)					Water Stai	ned Leaves (B9)
Water Marks (B1)	YDROLOGY Vetland Hydrology I Primary Indicators (any Surface Water (A1)	one is sufficie	nt)					Water Stai	ned Leaves (B9) atterns (B10)
Sediment Deposits (B2)	YDROLOGY Vetland Hydrology I Primary Indicators (any Surface Water (A1 V High Water Table (	one is sufficie	nt)	Sparsely Ve	getated Con			Water Stai Drainage F Oxidized R	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3)
□ Drift Deposits (B3) □ Other (Explain in Remarks) □ Geomorphic Position (D2) □ Shallow Aquitard (D3) □ Iron Deposits (B5) □ Microtopographic Relief (D4) □ FAC-neutral Test (D5) □ Surface Soil Cracks (B6) □ Depth (inches): 3 □ Depth (inches): 3 □ Depth (inches): 0	YDROLOGY Vetland Hydrology I Primary Indicators (any ✓ Surface Water (A1) ✓ High Water Table ( ✓ Saturation (A3)	one is sufficie	nt)	Sparsely Ve	getated Con ts (B15)	cave Surfac		Water Stai Drainage F Oxidized R Presence of	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4)
Algal Mat or Crust (B4)  ☐ Iron Deposits (B5) ☐ Surface Soil Cracks (B6) ☐ Surface Soil Cracks (B6) ☐ FAC-neutral Test (D5) ☐ Surface Water Present? Yes  No Depth (inches): 3 ☐ Water Table Present? Yes  No Depth (inches): 0 ☐ Saturation Present? Yes  No Depth (inches): 0 ☐ Sescribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  No Depth (inches): 0 ☐ Shallow Aquitard (D3) ☐ Microtopographic Relief (D4) ☐ FAC-neutral Test (D5) ☐ Wetland Hydrology Present? Yes  No Depth (inches): 0 ☐ Sescribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	YDROLOGY Vetland Hydrology I Primary Indicators (anv ✓ Surface Water (A1 ✓ High Water Table ( ✓ Saturation (A3)  Water Marks (B1)	one is sufficie	nt)	Sparsely Ver Marl Deposi Hydrogen S	getated Con ts (B15) ulfide Odor	cave Surfac		Water Stai Drainage F Oxidized R Presence c Salt Depos	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) its (C5)
□ Iron Deposits (B5) □ Microtopographic Relief (D4) □ Surface Soil Cracks (B6) □ FAC-neutral Test (D5) □ FAC-neutral Test (D5	YDROLOGY Vetland Hydrology I Primary Indicators (any ✓ Surface Water (A1 ✓ High Water Table ( ✓ Saturation (A3)      Water Marks (B1)      Sediment Deposits	one is sufficie	nt)	Sparsely Ver Marl Deposi Hydrogen S Dry-Season	getated Con ts (B15) ulfide Odor ( Water Table	cave Surfac (C1) e (C2)		Water Stai Drainage F Oxidized R Presence c Salt Depos Stunted or	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) f Reduced Iron (C4) its (C5) Stressed Plants (D1)
Field Observations:  Surface Water Present? Yes No Depth (inches): 3  Water Table Present? Yes No Depth (inches): 0  Saturation Present? Yes No Depth (inches): 0  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	YDROLOGY Vetland Hydrology I Primary Indicators (any ✓ Surface Water (A1 ✓ High Water Table ( ✓ Saturation (A3)	one is sufficie A2) (B2)	nt)	Sparsely Ver Marl Deposi Hydrogen S Dry-Season	getated Con ts (B15) ulfide Odor ( Water Table	cave Surfac (C1) e (C2)		Water Stai Drainage F Oxidized R Presence o Salt Depos Stunted or Geomorph	ned Leaves (B9) Patterns (B10) Patterns (B10) Patterns (B10) Patterns (B10) Patterns (C4) Patterns (C5) Patterns (D1) Patterns (D1) Patterns (D2)
Surface Water Present? Yes No Depth (inches): 3 Water Table Present? Yes No Depth (inches): 0 Saturation Present? Yes No Depth (inches): 0	Primary Indicators (any ✓ Surface Water (A1 ✓ High Water Table ( ✓ Saturation (A3)  Water Marks (B1)  Sediment Deposits  Drift Deposits (B3)  Algal Mat or Crust	one is sufficie A2) (B2)	nt)	Sparsely Ver Marl Deposi Hydrogen S Dry-Season	getated Con ts (B15) ulfide Odor ( Water Table	cave Surfac (C1) e (C2)		Water Stai Drainage F Oxidized R Presence of Salt Depos Stunted or Geomorph Shallow Ac	ned Leaves (B9) Patterns (B10) Phizospheres along Living Roots (C3) If Reduced Iron (C4) Patterns (C5) Stressed Plants (D1) Proposition (D2) Streid (D3)
Water Table Present? Yes No Depth (inches): 0  Saturation Present? Yes No Depth (inches): 0	Primary Indicators (any ✓ Surface Water (A1) ✓ High Water Table ( ✓ Saturation (A3)  Water Marks (B1)  Sediment Deposits (B3)  Algal Mat or Crust  Iron Deposits (B5)	one is sufficie A2) (B2) B4)	nt)	Sparsely Ver Marl Deposi Hydrogen S Dry-Season	getated Con ts (B15) ulfide Odor ( Water Table	cave Surfac (C1) e (C2)		Water Stai Drainage F Oxidized R Presence of Salt Depos Stunted or Geomorph Shallow Ac Microtopog	ned Leaves (B9) Patterns (B10) Phizospheres along Living Roots (C3) If Reduced Iron (C4) Patterns (C5) Stressed Plants (D1) Patterns (D2) Patterns (D3) Patterns (D4) Patterns (D4) Patterns (B10) Patter
Saturation Present? Yes No Depth (inches): 0  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	YDROLOGY Vetland Hydrology I Primary 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	one is sufficient A2) (B2) B4) (B6)		Sparsely Ver Marl Deposi Hydrogen S Dry-Season	getated Con ts (B15) ulfide Odor ( Water Table	cave Surfac (C1) e (C2)		Water Stai Drainage F Oxidized R Presence of Salt Depos Stunted or Geomorph Shallow Ac	ned Leaves (B9) Patterns (B10) Phizospheres along Living Roots (C3) If Reduced Iron (C4) Patterns (C5) Stressed Plants (D1) Patterns (D2) Patterns (D3) Patterns (D4) Patterns (D4) Patterns (B10) Patter
(includes capillary fringe)  Pes No Depth (inches): 0  Depth (inches): 0  Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:  Remarks:	YDROLOGY Vetland Hydrology I Primary 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 ield Observations:	one is sufficient A2) (B2) B4) (B6)		Sparsely Ve	getated Con ts (B15) ulfide Odor Water Table ain in Remar	cave Surfac (C1) e (C2)		Water Stai Drainage F Oxidized R Presence of Salt Depos Stunted or Geomorph Shallow Ac	ned Leaves (B9) Patterns (B10) Phizospheres along Living Roots (C3) If Reduced Iron (C4) Patterns (C5) Stressed Plants (D1) Patterns (D2) Patterns (D3) Patterns (D4) Patterns (D4) Patterns (B10) Patter
Describe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	YDROLOGY Vetland Hydrology I Primary 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  ield Observations: Surface Water Present	one is sufficient A2) (B2) B4) (B6) Yes	No ○	Sparsely Ve	getated Con ts (B15) ulfide Odor ( Water Table ain in Reman	cave Surfac (C1) e (C2)	ce (B8)	Water Stai  □ Drainage F  □ Oxidized R  □ Presence o  □ Salt Depos  □ Stunted or  □ Geomorph  □ Shallow Ac  □ Microtopog  ▼ FAC-neutra	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hits (C5) Stressed Plants (D1) hit Position (D2) hitard (D3) hitard (D3) hitard (D4) hitard (D5)
	Primary Indicators (any  Vetland Hydrology I  Primary Indicators (any  Vetland Hydrology I  Primary Indicators (any  Verliand Water (A1)  Verliand Hydrology I  Vetliand Hydrol	one is sufficient A2) (B2) B4) (B6) Yes (	<ul><li>No ○</li><li>No ○</li></ul>	Sparsely Ve	getated Con ts (B15) ulfide Odor ( Water Table ain in Reman es): 3	cave Surfac (C1) e (C2)	ce (B8)	Water Stai  □ Drainage F  □ Oxidized R  □ Presence o  □ Salt Depos  □ Stunted or  □ Geomorph  □ Shallow Ac  □ Microtopog  ▼ FAC-neutra	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hits (C5) Stressed Plants (D1) hit Position (D2) hitard (D3) hitard (D3) hitard (D4) hitard (D5)
	YDROLOGY Vetland Hydrology In Verland Hydrology In	one is sufficient A2) (B2) B4) (B6) Yes ( Yes ( Yes (	<ul><li>No ○</li><li>No ○</li><li>No ○</li><li>No ○</li></ul>	Sparsely Ve	getated Con ts (B15) ulfide Odor Water Table ain in Reman es): 3 es): 0 es): 0	cave Surfac (C1) e (C2) rks)	wetla	Water Stai  □ Drainage F  □ Oxidized R  □ Presence o  □ Salt Depos  □ Stunted or  □ Geomorph  □ Shallow Ac  □ Microtopog  ▼ FAC-neutra	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hits (C5) Stressed Plants (D1) hit Position (D2) hitard (D3) hitard (D3) hitard (D4) hitard (D5)
bout 60% of plot with surface water	YDROLOGY Vetland Hydrology In Verland Hydrology In	one is sufficient A2) (B2) B4) (B6) Yes ( Yes ( Yes (	<ul><li>No ○</li><li>No ○</li><li>No ○</li><li>No ○</li></ul>	Sparsely Ve	getated Con ts (B15) ulfide Odor Water Table ain in Reman es): 3 es): 0 es): 0	cave Surfac (C1) e (C2) rks)	wetla	Water Stai  □ Drainage F  □ Oxidized R  □ Presence o  □ Salt Depos  □ Stunted or  □ Geomorph  □ Shallow Ac  □ Microtopog  ▼ FAC-neutra	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hits (C5) Stressed Plants (D1) hit Position (D2) hitard (D3) hitard (D3) hitard (D4) hitard (D5)
	YDROLOGY Vetland Hydrology I Vetland Halp Water Table ( V V V V V V V V V V V V V V V V V V V	one is sufficient A2) (B2) B4) (B6) Yes ( Yes ( Yes (	<ul><li>No ○</li><li>No ○</li><li>No ○</li><li>No ○</li></ul>	Sparsely Ve	getated Con ts (B15) ulfide Odor Water Table ain in Reman es): 3 es): 0 es): 0	cave Surfac (C1) e (C2) rks)	wetla	Water Stai  □ Drainage F  □ Oxidized R  □ Presence o  □ Salt Depos  □ Stunted or  □ Geomorph  □ Shallow Ac  □ Microtopog  ▼ FAC-neutra	ned Leaves (B9) Patterns (B10) hizospheres along Living Roots (C3) of Reduced Iron (C4) hits (C5) Stressed Plants (D1) hit Position (D2) hitard (D3) hitard (D3) hitard (D4) hitard (D5)

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