WETLAND DETERMINATION DATA FORM - Alaska Region

Applica	t/Site: Susitna-Watana Hydroelectric Project	I	Borough/City:	Matanusk	sa-Susitna Borough Sampling Date: 27-Jun-12
	ant/Owner: Alaska Energy Authority				Sampling Point: SW12_T22_07
	gator(s): JGK				ee, hummocks etc.): Hillside
_ocal r	relief (concave, convex, none):		Slope: 99.9	% / 45.0 — —	010
Subreg	gion : Interior Alaska Mountains	Lat.:	62.75977324	19	Long.: <u>-147.726136642</u> Datum: <u>WGS84</u>
Soil Ma	ap Unit Name:				NWI classification: Upland
Are V Are V		significant naturally p wing sar	ly disturbed? problematic? mpling point	(If nee	·
	Hydric Soil Present? Yes No ()			pled Area
	Wetland Hydrology Present? Yes No ()	wi	ithin a W	etland? Yes ○ No •
	narks: ETATION - Use scientific names of plants. Li	st all sp	ecies in the	plot.	
		Absolute			Dominance Test worksheet:
	e Stratum	% Cover		Status	Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)
	Betula neoalaskana	35		FACU	Total Number of Dominant
	Picea glauca			FACU	Species Across All Strata:3 (B)
3.					Percent of dominant Species
4.		0	- 📙		That Are OBL, FACW, or FAC: 33.3% (A/B)
5.	Total Cover		-		Prevalence Index worksheet: Total % Cover of: Multiply by:
Sap	oling/Shrub Stratum 50% of Total Cover:	18.5 20%	6 of Total Cover	7.4	OBL Species x 1 =
1.	Rosa acicularis	5		FACU	FACW Species 0 x 2 = 0
_	Vaccinium vitis-idaea	40	✓	FAC	FAC Species 43 x 3 = 129
2.		40		FAC	FAC Species <u>43</u> x 3 = <u>129</u>
2. 3.	Linnaea borealis			FACU	FACU Species 58 x 4 = 232
	Linnaga haradia	2			
3. 4.	Linnaea borealis	2		FACU	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0
3. 4.	Linnaea borealis Alnus viridis ssp. crispa	2 2 1		FACU	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B)
3. 4. 5.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum	2 2 1 0		FACU	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0
3. 4. 5. 6. 7.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum	2 2 1 0		FACU	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B)
3. 4. 5. 6. 7. 8.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum	2 2 1 0 0		FACU	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B) Prevalence Index = B/A = 3.574
3. 4. 5. 6. 7. 8. 9.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum	2 2 1 0 0 0		FACU	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B) Prevalence Index = B/A = 3.574
3. 4. 5. 6. 7. 8. 9.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum	2 2 1 0 0 0 0 0		FACU FAC	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B) Prevalence Index = B/A = 3.574 Hydrophytic Vegetation Indicators: Dominance Test is > 50% Prevalence Index is ≤ 3.0 Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet)
3. 4. 5. 6. 7. 8. 9. 10.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum Total Cover	2 2 1 0 0 0 0 0 0 0 25 20		FACU FAC	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B) Prevalence Index = B/A = 3.574 Hydrophytic Vegetation Indicators: Dominance Test is > 50% Prevalence Index is ≤ 3.0 Morphological Adaptations 1 (Provide supporting data in
3. 4. 5. 6. 7. 8. 9. 10.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum Total Cover 50% of Total Cover:	2 2 1 0 0 0 0 0 0 0 25 20 10	of Total Cover	FACU FAC FAC FAC	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B) Prevalence Index = B/A = 3.574 Hydrophytic Vegetation Indicators: □ Dominance Test is > 50% □ Prevalence Index is ≤ 3.0 □ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) □ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must
3. 4. 5. 6. 7. 8. 9. 10. Her 1. 2.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum Total Cover: 50% of Total Cover: Cornus canadensis	2 2 1 0 0 0 0 0 0 0 25 20 10 2	of Total Cover	FACU FAC FAC FAC	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B) Prevalence Index = B/A = 3.574 Hydrophytic Vegetation Indicators: Dominance Test is > 50% Prevalence Index is ≤ 3.0 Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation 1 (Explain)
3. 4. 5. 6. 7. 8. 9. 10. Her 1. 2.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum Total Cover 50% of Total Cover: Cornus canadensis Chamerion angustifolium	2 2 1 0 0 0 0 0 50 25 20 10 2	of Total Cover	FACU FAC FAC T: 10 FACU FACU	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B) Prevalence Index = B/A = 3.574 Hydrophytic Vegetation Indicators: □ Dominance Test is > 50% □ Prevalence Index is ≤ 3.0 □ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) □ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3. 4. 5. 6. 7. 8. 9. 10. Her 1. 2. 3. 4.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum Total Cover 50% of Total Cover: Cornus canadensis Chamerion angustifolium Geocaulon lividum	2 2 1 0 0 0 0 0 50 25 20 10 2 2	of Total Cover	FACU FAC FAC T: 10 FACU FACU	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B) Prevalence Index = B/A = 3.574 Hydrophytic Vegetation Indicators: □ Dominance Test is > 50% □ Prevalence Index is ≤ 3.0 □ Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet) □ Problematic Hydrophytic Vegetation 1 (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Plot size (radius, or length x width) 10m
3. 4. 5. 6. 7. 8. 9. 10. Her 1. 2. 3. 4. 5.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum Total Cover 50% of Total Cover: Cornus canadensis Chamerion angustifolium Geocaulon lividum	2 2 1 0 0 0 0 50 25 20 10 2 2 2 0	of Total Cover	FACU FAC FAC T: 10 FACU FACU	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B) Prevalence Index = B/A = 3.574 Hydrophytic Vegetation Indicators: □ Dominance Test is > 50% □ Prevalence Index is ≤ 3.0 □ Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet) □ Problematic Hydrophytic Vegetation 1 (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3. 4. 5. 6. 7. 8. 9. 10. Herr 1. 2. 3. 4. 5. 6.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum Total Cover 50% of Total Cover: Cornus canadensis Chamerion angustifolium Geocaulon lividum	2 2 1 0 0 0 0 0 50 25 20 10 2 2 0 0	of Total Cover	FACU FAC FAC T: 10 FACU FACU	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B) Prevalence Index = B/A = 3.574 Hydrophytic Vegetation Indicators: □ Dominance Test is > 50% □ Prevalence Index is ≤ 3.0 □ Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet) □ Problematic Hydrophytic Vegetation 1 (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Plot size (radius, or length x width) 10m % Cover of Wetland Bryophytes 0
3. 4. 5. 6. 7. 8. 9. 10. Herr 1. 2. 3. 4. 5. 6. 7.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum Total Cover 50% of Total Cover: Cornus canadensis Chamerion angustifolium Geocaulon lividum	2 2 1 0 0 0 0 50 25 20 10 2 2 0 0 0	of Total Cover	FACU FAC FAC T: 10 FACU FACU	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B) Prevalence Index = B/A = 3.574 Hydrophytic Vegetation Indicators: □ Dominance Test is > 50% □ Prevalence Index is ≤ 3.0 □ Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet) □ Problematic Hydrophytic Vegetation 1 (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Plot size (radius, or length x width) 10m % Cover of Wetland Bryophytes 0 (Where applicable)
3. 4. 5. 6. 7. 8. 9. 10. Herri 1. 2. 3. 4. 5. 6. 7. 8.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum Total Cover 50% of Total Cover: Cornus canadensis Chamerion angustifolium Geocaulon lividum	2 2 1 0 0 0 0 0 50 25 20 10 2 2 2 0 0 0	of Total Cover	FACU FAC FAC T: 10 FACU FACU	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B) Prevalence Index = B/A = 3.574 Hydrophytic Vegetation Indicators: □ Dominance Test is > 50% □ Prevalence Index is ≤ 3.0 □ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) □ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Plot size (radius, or length x width) 10m % Cover of Wetland Bryophytes 0 (Where applicable) % Bare Ground 10
3. 4. 5. 6. 7. 8. 9. 10. Her 1. 2. 3. 4. 5. 6. 7. 8. 9.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum Total Cover 50% of Total Cover: Cornus canadensis Chamerion angustifolium Geocaulon lividum	2 2 1 0 0 0 0 0 50 25 20 10 2 2 2 0 0 0	of Total Cover	FACU FAC FAC T: 10 FACU FACU	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B) Prevalence Index = B/A = 3.574 Hydrophytic Vegetation Indicators: □ Dominance Test is > 50% □ Prevalence Index is ≤3.0 □ Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet) □ Problematic Hydrophytic Vegetation 1 (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Plot size (radius, or length x width) 10m % Cover of Wetland Bryophytes 0 (Where applicable) % Bare Ground 10 Total Cover of Bryophytes 2
3. 4. 5. 6. 7. 8. 9. 10. Her 1. 2. 3. 4. 5. 6. 7. 8. 9.	Linnaea borealis Alnus viridis ssp. crispa Ledum groenlandicum Total Cover 50% of Total Cover: Cornus canadensis Chamerion angustifolium Geocaulon lividum	2 2 1 0 0 0 0 50 25 20 10 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	% of Total Cover	FACU FAC FAC T: 10 FACU FACU	FACU Species 58 x 4 = 232 UPL Species 0 x 5 = 0 Column Totals: 101 (A) 361 (B) Prevalence Index = B/A = 3.574 Hydrophytic Vegetation Indicators: □ Dominance Test is > 50% □ Prevalence Index is ≤ 3.0 □ Morphological Adaptations 1 (Provide supporting data in Remarks or on a separate sheet) □ Problematic Hydrophytic Vegetation 1 (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Plot size (radius, or length x width) 10m 0 (Where applicable) % Bare Ground 10

US Army Corps of Engineers Alaska Version 2.0

SOIL Sampling Point: SW12_T22_07

1-2 880 Hemic Organics 20% roots 2-3 107R 5/2 100 Fine Sundy Learn 10% sold of dracoal in upper part of horizo 3-6 7.5YR 3/3 90 Sandy Learn 10% sold any gord 6-17 2.5Y 4/4 80 Sandy Learn 10% sold any gord 6-17 2.5Y 4/4 80 Sandy Learn 10% sold any gord 6-18 Sandy Learn 10% sold any gord 6-19 Learn 10% sold any gord 6-10 Learn 10% sold any gord 10% coarse send-4.to any gor	(inches)	Color (m	oist)	%	Color (moist)	%	Type ¹ _L	<u>oc</u> 2	Texture	Remarks
2-3 10 PR 5/2 100 Fine Sardy Loam bis of charcoal in upper part of horizo 3-6 7.5 VR 3/3 90 Sandy Loam 10% sub ang gord 6-17 2.5 V 4/4 80 Sandy Loam 10% sub ang gord 6-17 2.5 V 4/4 80 Sandy Loam 10% sub ang gord 6-17 2.5 V 4/4 80 Sandy Loam 10% coarse sand-sub ang codate Type: C=Concentration. D=Depletion. RM=Reduced Matrix 2 Location: PL=Pore Lining, RC=Root Channel. M=Matrix Videric Soil Indicators: Halisacion of Histel (A1)	0-1								ibric Organics	
3-6 7.57R 3/3 90 Sendy Loam 10% sub ang grW 6-17 2.57Y 4/4 80 Sendy Loam 10% sub ang grW 7-ype: C=Concentration. D=Depletion, RM=Reduced Matrix 2 Location: PL=Pore Lining, RC=Root Channel, M=Matrix 1-1 History Care Problematic Hydric Soils 1 Indicators 1-1 Indicator 1-1 Indicators 1-1	1-2			80					lemic Organics	20% roots
3-6 7.5YR 3/3 90 Sandy Loam 10% sub ang grW 6-17 2.5Y 4/4 80 Sandy Loam 10% sub ang grW Sandy Loam 10% sub ang	2-3	10YR	5/2	100					ine Sandy Loam	bits of charcoal in upper part of horizo
Sandy Loam 10% coarse sand-sub ang cobble									·	_
Type: C-Concentration. D=Depiction. RM=Reduced Matrix 2 Location: PL=Pere Lining, RC=Root Channel. M=Matrix Histor Soll Indicators:									<u> </u>	-
Histosol or Histel (A1)	6-17	2.51							landy Loann	10% coarse sand-sub ang cobble
Histosol or Histel (A1)										_
Histosol or Histel (A1)										_
Histosol or Histel (A1)										_
Histosol or Histel (A1) Histic Epipedon (A2) Histic Epipedon (A2) Alaska Alpine swales (TA5) Alaska Gleyed Without Hue 5Y or Redder Underlying Layer Hydrogen Sulfide (A4) Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed (A13) Alaska Gleyed Pores (A15) *Give details of color change in Remarks *Strictive Layer (if present): Type: Type: ### Present? ### Present? ### Present? ### Presence of Reduced Iron (A2) ### Presence of Reduced Iron (A2) ### Presence of Reduced Iron (A2) ### Presence of Reduced Without Hue 5Y or Redder Underlying Layer Underlying Layer ### Underlying	Type: C=Cor	ncentration. D	=Depletior	1. RM=Reduce	d Matrix ² Locatio	n: PL=Pore L	ining. RC=Ro	ot Channe	el. M=Matrix	
Histic Epipedon (A2) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Alaska Alpine swales (TA5) Hydrogen Sulfide (A4) Alaska Redox (Nth) Alaska Redox (A12) Alaska Redox (A13) Alaska Redox (A14) Alaska Gleyed (A13) Alaska Gleyed (A15) Alaska Gleyed (A15) Alaska Redox (A14) Alaska Gleyed (A15) Alaska Redox (A14) Alaska Gleyed Pores (A15) *Give details of color change in Remarks *Hydric Soil Present? Yes \ No *Present? Yes \ No *Present Sulficients (B1) *Immary Indicators (any one is sufficients) *Immary Indicators (two or more are required) *Immary Indicators (any one is sufficients) *Immary Indicators (any one is sufficients) *Immary Indicators (any one is authorized (B2) *Immary Indicators (Inmary Indicators (Inmary Inmary Indicators (Inmary Indicators (Inmary Inmary Indicators (Inmary Indicators (Inmary Indicators (Inmary Inmary Inmary Inmary Inmary Inmary Inm	lydric Soil I	ndicators:			Indicators for P	roblematic H	ydric Soils:	3		
Institute physicial (PA)	Histosol o	r Histel (A1)								Hue 5Y or Redder
Thick Dark Surface (A12) Alaska Gleyed (A13) Alaska Redox (A14) Alaska Redox (A15) Alaska Redox (A16) Alaska Redox (A17) Alask	Histic Epip	edon (A2)				, ,				
Alaska Redox (A13) Alaska Redox (A14) Alaska Redox (A14) Alaska Gleyed Pores (A15) Alaska Gleyed Pores (A15) *Give details of color change in Remarks *Hydric Soil Present? Yes No ● *Portionary Indicators (two or more are required) *Inundation Visible on Aerial Imagery (B7) *Surface Water (A1) *Surface Water (A2) *Saturation (A3) *Water Marks (B1) *Water Marks (B	Hydrogen	Sulfide (A4)			Alaska Redox \	With 2.5Y Hue	:	□ 0	ther (Explain in Rema	arks)
Alaska Redox (A14) Alaska Redox (A14) Alaska Redox (A14) Alaska Redox (A14) Alaska Gleyed Pores (A15) estrictive Layer (if present): Type: Depth (inches): ### Hydric Soil Present? Yes No No	Thick Dark	Surface (A12	<u>2</u>)		3 One indicator of	f buduanbutia i	regetation or		v indicator of watland	l hudrologu
Alaska Gleyed Pores (A15) 4 Give details of color change in Remarks estrictive Layer (if present): Type: Depth (inches): ### Hydric Soil Present? Yes No ** No ** **PROLOGY ** **Port Tetain Hydrology Indicators: ** **Inimary Indicators (any one is sufficient) High Water Table (A2)	Alaska Gle	yed (A13)			and an appropria	ite landscape į	oosition must	be prese	y indicator of wedant nt	i flydrology,
Adas discycle Foliacy (Arity Soil Present? Yes No Pyproprint (Inches): Pyproprint (In	_	` ,			4 Give details of a	olor change in	Domarko			
Type: Depth (inches): WYDROLOGY Petland Hydrology Indicators:	Alaska Gle	yed Pores (A1	.5)		· Give details of C	Joior Change II	i Kemarks			
POROLOGY Petland Hydrology Indicators: Secondary Indicators (two or more are required) Water Stained Leaves (B9) Surface Water (A1) Inundation Visible on Aerial Imagery (B7) Drainage Patterns (B10) Drainage Patterns (B10) Drainage Patterns (B10) Presence of Reduced Iron (C4) 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) Shallow Aquitard (D3) Iron Deposits (B3) Microtopographic Relief (D4) Surface Soil Cracks (B6) PAC-neutral Test (D5) Seturation Present? Yes No Depth (inches): No Saturation Present? Yes No Depth (inches): Secribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	estrictive Laye	er (if present)	:							
PYDROLOGY Vertland Hydrology Indicators: Secondary Indicators (two or more are required) Water Stained Leaves (B9) Drainage Patterns (B10) Drainage Patterns (B10) Drainage Patterns (B10) Water Table (A2) Sparsely Vegetated Concave Surface (B8) Oxidized Rhizospheres along Living Roots (CC) Saturation (A3) Marl Deposits (B15) Presence of Reduced Iron (C4) Salt Deposits (B1) Hydrogen Sulfide Odor (C1) Salt Deposits (C5) Stunted or Stressed Plants (D1) Drift Deposits (B2) Dry-Season Water Table (C2) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Algal Mat or Crust (B4) Root (Explain in Remarks) Geomorphic Position (D2) Shallow Aquitard (D3) Iron Deposits (B5) Microtopographic Relief (D4) FAC-neutral Test (D5) Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches): Sectivation Present? Yes No Depth (inches): Sectivation Present? Yes No Depth (inches): Sectivation Present? Yes No Pepth (inches): S	Type:							н	lvdric Soil Presei	nt? Yes ○ No •
YDROLOGY Retland Hydrology Indicators: Secondary Indicators (two or more are required) Water Stained Leaves (B9) Water Marke (B10) Water Table (A2) Sparsely Vegetated Concave Surface (B8) Oxidized Rhizospheres along Living Roots (CC) Saturation (A3) 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) Surface Soil Cracks (B6) FAC-neutral Test (D5) Ield Observations: Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No Pepth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No Pepth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No Pepth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No Pepth (inches): Wetland Hydrology Present? Yes No Pepth (inche										
rimary Indicators (any one is sufficient) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Drainage Patterns (B10) Drainage Patterns (B10) Marl Deposits (B15) Drainage Patterns (B10) Drainage Patterns (B10) Marl Deposits (B15) Drainage Patterns (B10) Marl Deposits (B15) Drainage Patterns (B10) Drainage Pat		nes):								
Arimary Indicators (any one is sufficient) Surface Water (A1) High Water Table (A2) Sparsely Vegetated Concave Surface (B8) Oxidized Rhizospheres along Living Roots (C1) Saturation (A3) Marl Deposits (B15) Presence of Reduced Iron (C4) Saturation (A3) Marl Deposits (B15) Sediment Deposits (B2) Drift Deposits (B3) Other (Explain in Remarks) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Depth (inches): Water Table (A2) Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Destrict Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	emarks:	,								
Surface Water (A1)	emarks:	GY	atore							
High Water Table (A2)	emarks: YDROLO Vetland Hyd	GY rology Indic							_Secondary Ir	dicators (two or more are required)
Saturation (A3)	YDROLO /etland Hyd	GY rology Indic tors (any one		nt)		licible on Aori	ol Impagry (P		Secondary Ir	dicators (two or more are required) tained Leaves (B9)
Water Marks (B1)	YDROLO /etland Hyd /rimary Indica Surface W	GY rology Indic tors (any one /ater (A1)		nt)				57)	Secondary In Secondary In Drainage	dicators (two or more are required) tained Leaves (B9) e Patterns (B10)
Sediment Deposits (B2)	YDROLO Vetland Hyd Primary Indica Surface W High Wate	GY rology Indic tors (any one /ater (A1) er Table (A2)		nt)	Sparsely Veg	getated Conca		57)	Secondary Ir Water St Drainage Oxidized	dicators (two or more are required) tained Leaves (B9) e Patterns (B10) Rhizospheres along Living Roots (C
Drift Deposits (B3)	YDROLO Vetland Hyd Primary Indica Surface W High Watt	GY rology Indic tors (any one /ater (A1) er Table (A2)		nt)	Sparsely Veg	getated Conca cs (B15)	ve Surface (B	57)	Secondary Ir Water St Drainage Oxidized Presence	dicators (two or more are required) cained Leaves (B9) e Patterns (B10) Rhizospheres along Living Roots (Cie
Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Ield Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Secribe Recorded Data (stream gauge, monitor well, aerial photos, previous inspection) if available:	YDROLO Vetland Hyd Primary Indica Surface W High Wate Saturatior Water Ma	GY rology Indic tors (any one /ater (A1) er Table (A2) n (A3) rks (B1)	is sufficier	nt)	Sparsely Veg Marl Deposit Hydrogen Su	getated Concar s (B15) ulfide Odor (C:	ve Surface (B 1)	57)	Secondary Ir Water Si Drainage Oxidized Presence Salt Dep	dicators (two or more are required) cained Leaves (B9) e Patterns (B10) Rhizospheres along Living Roots (Cite of Reduced Iron (C4) osits (C5)
Iron Deposits (B5)	YDROLO Vetland Hyd Surface W High Wate Saturation Water Ma Sediment	GY rology Indic tors (any one /ater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2)	is sufficier	nt)	Sparsely Veg Marl Deposit Hydrogen St Dry-Season	getated Conca cs (B15) ulfide Odor (C: Water Table (ve Surface (B 1) C2)	57)	Secondary Ir Water St Drainage Oxidized Presence Salt Dep Stunted	dicators (two or more are required) cained Leaves (B9) e Patterns (B10) Rhizospheres along Living Roots (Ca) e of Reduced Iron (C4) osits (C5) or Stressed Plants (D1)
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