WETLAND DETERMINATION DATA FORM - Arid West Region Project/Site: Connector Slough City/County: BACON ISLAND, SAN JOAQUIN Date: Applicant/Owner: CONTRA COSTA WATER DISTRICT State: CA Sampling Point: 360 Section, Township, Range: TZN, F4E, SEZ ZZ. Investigator(s): T. Maho. Local relief (concave, convex, none): Concave 2 1 tol Slope (%): Landform (hillslope, terrace, etc.): Lat: 38°0'10" N Long: 121"31'44" W Datum: NAD 83 Subregion (LRR):C - Mediterranean California Soil Map Unit Name: PINDGE MUCK, PAMT. DKAINED, 0-27 NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes (If no, explain in Remarks.) No (Are Vegetation Soil or Hydrology Are "Normal Circumstances" present? Yes significantly disturbed? Are Vegetation (If needed, explain any answers in Remarks.) Senson worth Soil or Hydrology naturally problematic? SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. No (Yes 😿 Hydrophytic Vegetation Present? Yes 🔨 No (Hydric Soil Present? Is the Sampled Area No (No C Wetland Hydrology Present? Yes. within a Wetland? Remarks: wide VEGETATION **Dominance Test worksheet:** Dominant Indicator Absolute Species? (Use scientific names.) % Cover Tree Stratum Status Number of Dominant Species That Are OBL, FACW, or FAC: (A) 20 Total Number of Dominant (B) Species Across All Strata: Percent of Dominant Species % That Are OBL, FACW, or FAC: Sapling/Shrub Stratum Prevalence Index worksheet: Total % Cover of: Multiply by: x 1 =OBL species FACW species x 2 =4. FAC species x3 =FACU species x4 =Total Cover: Herb Stratum UPL species x5 =(B) 20 Column Totals: (A) 107 OBL Prevalence Index = B/A = FAZasundinoeen Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.01 6. Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 8. Problematic Hydrophytic Vegetation¹ (Explain) Total Cover: 2,5 % Woody Vine Stratum ¹Indicators of hydric soil and wetland hydrology must be present. Total Cover: 45 % **Hydrophytic** Vegetation % Cover of Biotic Crust % Bare Ground in Herb Stratum Present? No (Remarks:

fort of spoils. It was a dominant species prior to dredging and 15 and 15 considered dominant here, even trough

prosent const 15 only 10/2

Arid West - Version 11-1-2006

Depth (inches)	Color (moist)	%	Redox Color (moist)	% Type ¹	Loc ²	Texture ³	Remarks
720	INTRZI	95	107446	C	M	clay/mu	ck
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							5 8
					- <u> </u>		
	ncentration, D=Deps: Clay.			² Location: PL=Pore	e Lining, R	C=Root Channel,	M=Matrix. n, Silt Loam, Silt, Loamy Sand, Sa
lydric Soil In	dicators: (Applicat	ole to all LRR	s, unless otherwise	noted.)	i, Clay Lua		Problematic Hydric Soils:
Histosol	(A1)		Sandy Redox	(S5)			k (A9) (LRR C)
	ipedon (A2)		Stripped Mat	683		2 cm Muc	k (A10) (LRR B)
Black His				y Mineral (F1)	3.0	Reduced '	Vertic (F18)
	Sulfide (A4)	~ \		ed Matrix (F2)			nt Material (TF2)
	Layers (A5) (LRR	C)	Depleted Ma			Other (Ex	olain in Remarks)
	ck (A9) (LRR D) Below Dark Surfac	·ο (Δ11)	Redox Dark	26.1			
Carrier on the	rk Surface (A12)	æ (ATT)		rk Surface (F7)			
	ucky Mineral (S1)		Redox Depre	, , , , , , , , , , , , , , , , , , ,		4Indicators of b	vedroobvelio versetation and
2007	eyed Matrix (S4)		veniai i oois	(1.9)	X .5	No. 10 September 1990	ydrophytic vegetation and
	ayer (if present):					Welland nyc	drology must be present.
Type:	None						
	porte						
LIGHTH (INC	hacl:						
Depth (incl	hes):					Hydric Soil Pre	sent? Yes No
emarks:	hes):					Hydric Soil Pre	sent? Yes No
	hes):					Hydric Soil Pre	sent? Yes No
	hes):					Hydric Soil Pre	sent? Yes No
emarks:						Hydric Soil Pre	sent? Yes No
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emarks:	Y rology Indicators:		ant\			Secondar	y Indicators (2 or more required)
Petland Hydrimary Indica	rology Indicators:		La de la company			Secondary Water	y Indicators (2 or more required) r Marks (B1) (Riverine)
Petland Hydrimary Indicated Surface V	rology Indicators: ators (any one indic		Salt Crust (E			Secondary Water Sedin	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine)
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PROLOGICAL Surface V Saturation	rology Indicators: ators (any one indicators) Vater (A1) er Table (A2) n (A3)	ator is sufficie	Salt Crust (E	(B12) ertebrates (B13)		Secondary Secondary Water Sedin	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine)
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Project/Site: Connection Slov	City/C	county: BACON	ISLAMD, SANJOA Sam	pling Date: 9/27/08
Applicant/Owner: ConTRA COSTA WA				pling Point: \$236B
Investigator(s): T. Mahor		on, Township, Ra	nge: TZN, R4E	, SEZ ZZ
Landform (hillslope, terrace, etc.):	Local	I relief (concave,	convex, none): +245	Slope (%):
Subregion (LRR):C - Mediterranean California	Lat: 380	10° W	Long: 12, 31 44" V	Datum: NAD8
Soil Map Unit Name: PINDGE MUCK, P	THAT DAMINEY	0,0-2-7	NWI classification:	
Are climatic / hydrologic conditions on the site typical			(If no, explain in Remar	ks.)
Are Vegetation Soil or Hydrology	significantly distur	bed? Are	"Normal Circumstances" preser	nt? Yes No
Are Vegetation Soil or Hydrology	naturally problema	atic? (If ne	eeded, explain any answers in F	Remarks.) SENSONA
SUMMARY OF FINDINGS - Attach site	map showing sam	pling point le	ocations, transects, imp	ortant features, etc.
Hydrophytic Vegetation Present? Yes	No (1
Hydric Soil Present? Yes	No X	Is the Sample	d Area	
Wetland Hydrology Present? Yes	No	within a Wetla		No X
Remarks:				
VEGETATION				
Tree Stratum (Use scientific names.)	Absolute Domi % Cover Spec	inant Indicator cies? Status	Dominance Test workshee	
1.			Number of Dominant Species That Are OBL, FACW, or FA	The state of the s
2.			Total Number of Dominant	
3.			Species Across All Strata:	/ -0 (B)
4.			Percent of Dominant Species	
Sapling/Shrub Stratum	%		That Are OBL, FACW, or FA	
1.			Prevalence Index workshee	et:
2.	· · · · · · · · · · · · · · · · · · ·		Total % Cover of:	Multiply by:
3.			OBL species	x 1 = 0
4.			FACW species	x 2 = 0
5.	*		FAC species	x 3 = 0
Herb Stratum Tota	ıl Cover: %		FACU species	x 4 = 0
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	75	YI	UPL species	x 5 = 0
2. Commander	10	I	Column Totals:	(A) (B)
3. Teches alvalia	10 A	1 TAZ -	Prevalence Index = B/A	Α =
4.		1770	Hydrophytic Vegetation Inc	licators:
5.			Dominance Test is >50%	
6.			Prevalence Index is ≤3.0	
7			Morphological Adaptatio	
8			Problematic Hydrophytic	
Woody Vine Stratum	I Cover: 95%			ACCUPATION STATE OF THE PROPERTY OF THE PROPER
1.			¹ Indicators of hydric soil and	wetland hydrology must
2.		×0	be present.	
Tota	I Cover: 95%		Hydrophytic	
% Bare Ground in Herb Stratum 5 %	6 Cover of Biotic Crust	3 %	Vegetation Yes	No (
Remarks:			The section of the se	
Veg distribut	69 past	drod	gun in adi	cet-
		•)
autol.				

US Army Corps of Engineers

epth nches)	Color (moist)	%	Color (moist)	K Features Type¹	_Loc ²	Texture ³	Remarks	
-20	10 X K Z/1	100	Nong	<u> </u>		loam	美	
<u>-</u>								
	· · · · · · · · · · · · · · · · · · ·						· ·	
					- 33			
-			425		<u>-</u>			
							- E	
					-			
ype: C=Co	ncentration, D=Dep	letion, RM=R	educed Matrix.	² Location: PL=Por	e Lining, RC	C=Root Channel,	M=Matrix.	
oil Textures	s: Clay, Silty Clay, S	Sandy Clay, L	oam, Sandy Clay	Loam, Sandy Loan	n, Clay Loan		n, Silt Loam, Silt, Loamy Sa	nd, Sa
	dicators: (Applicable	le to all LRRs,	Dispersion of the state of the	Silverian		36000000000	Problematic Hydric Soils:	
│ Histosol (ipedon (A2)		Sandy Redox Stripped Ma			W 463140-1319 14-12100-12011	k (A9) (LRR C) k (A10) (LRR B)	
Black His	Service of the second			ky Mineral (F1)			Vertic (F18)	
_	n Sulfide (A4)			ed Matrix (F2)	38		nt Material (TF2)	
] , ,	Layers (A5) (LRR C	2)	Depleted M			The strate while the best and the strategy of	plain in Remarks)	
	ck (A9) (LRR D)			Surface (F6)			piani in recinario,	
	Below Dark Surface	e (A11)		ark Surface (F7)	5			
	rk Surface (A12)	· (· · · ·)	a	ressions (F8)	714 704			
	ucky Mineral (S1)		Vernal Pool			4Indicators of	hydrophytic vegetation and	
2 50 0000000	leyed Matrix (S4)						drology must be present.	
Type: Depth (inc	hes):				•	Hydric Soil Pr	esent? Yes 🦳 No	A
Depth (inc	hes):	ears	well d	rained		Hydric Soil Pr	esent? Yes (No	4
Depth (inc		ears	me ll d	va ined		Hydric Soil Pr	esent? Yes (No	1
Depth (inc	hes):	ea-5	well d	-ained		Hydric Soil Pr	esent? Yes (No	
Depth (inc	hes):		well s	va in a			ry Indicators (2 or more requ	
Depth (inc	Soll and			rained		Seconda		
DROLOG etland Hyd imary Indic	hes): SY Irology Indicators:					Seconda Wate	ry Indicators (2 or more requ	uired)
DROLOGE Mary Indicated Surface N	hes): SY Irology Indicators: ators (any one indic		ent)	(B11)		Seconda Wate	ry Indicators (2 or more requer Marks (B1) (Riverine)	uired)
Depth (incomarks: Process Pr	hes): GY Irology Indicators: ators (any one indic Water (A1) ter Table (A2)		ent) Salt Crust Biotic Crus	(B11)		Seconda Seconda Seconda Seconda Drift	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverir	uired)
Depth (incomarks: DROLOG etland Hydelimary Indicate North Control Surface North Control Surface North Control Saturation	hes): GY Irology Indicators: ators (any one indic Water (A1) ter Table (A2) in (A3)	ator is sufficie	ent) Salt Crust Biotic Crust Aquatic In	(B11) st (B12) vertebrates (B13)		Seconda Wate Sedi Drift Drain	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine)	uired)
Depth (incomarks: DROLOG etland Hyd imary Indicate Surface \ High Wat Saturatio Water Ma	hes): GY Irology Indicators: ators (any one indic Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriver	ator is sufficie	ent) Salt Crust Biotic Crust Aquatic Int	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1)		Seconda Seconda Wate Sedi Drift Drain Dry-	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverin Deposits (B3) (Riverine) nage Patterns (B10)	uired)
Depth (incomarks: DROLOG etland Hyd imary Indicate Surface \ High Wat Saturatio Water Ma Sediment	hes): GY Irology Indicators: ators (any one indic Water (A1) ter Table (A2) n (A3) arks (B1) (Nonriver t Deposits (B2) (Nori	ator is sufficie	ent) Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along	Living Roof	Seconda Seconda Wate Sedi Drift Drain Dry- ts (C3) Thin	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) hage Patterns (B10) Season Water Table (C2) Muck Surface (C7)	uired)
Depth (incomarks: DROLOG etland Hyd imary Indicate Surface \ High Wat Saturatio Water Mat Sediment Drift Dep	hes): GY Irology Indicators: ators (any one indic Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriver t Deposits (B2) (Nonriver osits (B3) (Nonriver	ator is sufficie	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (C	Living Root	Seconda Seconda Wate Sedi Drift Drain Dry- ts (C3) Thin Cray	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) hage Patterns (B10) Season Water Table (C2) Muck Surface (C7) rfish Burrows (C8)	uired)
Depth (incomarks: DROLOG etland Hyd imary Indicate Surface \ High Wat Saturatio Water Ma Sediment Drift Dep Surface S	hes): GY Irology Indicators: ators (any one indicators (A1) ter Table (A2) n (A3) arks (B1) (Nonriver to Deposits (B2) (Nonriver to Deposits (B2) (Nonriver to Deposits (B3) (Nonriver to Deposits (B4) (Nonrive	ator is sufficiently ine) rine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (Con Reduction in Ploy	Living Root	Seconda Seconda Wate Sedi Drift Drain Dry- ts (C3) Satu	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) hage Patterns (B10) Season Water Table (C2) Muck Surface (C7) rfish Burrows (C8) ration Visible on Aerial Imag	uired)
Depth (incomarks: DROLOG etland Hyd mary Indication Surface \ High Wat Saturation Water Ma Sediment Drift Depth Surface Sur	hes): GY Irology Indicators: ators (any one indicators (A1) ter Table (A2) In (A3) arks (B1) (Nonriver to Deposits (B2) (Nonriver to Deposits (B3) (Nonriver to Deposits (B4) (Nonriv	ator is sufficiently ine) rine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (C	Living Root	Seconda Wate Sedi Drift Drail Dry-ts (C3) Thin Cray Satur Shall	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) hage Patterns (B10) Season Water Table (C2) Muck Surface (C7) rfish Burrows (C8) ration Visible on Aerial Imag	uired)
Depth (incomarks: DROLOG etland Hyd imary Indication Surface \ High Wat Saturation Water Mat Sediment Drift Dept Surface State Inundation Water-State	hes): GY Irology Indicators: ators (any one indicators) Avater (A1) ter Table (A2) In (A3) arks (B1) (Nonrivers) It Deposits (B2) (Noncises) Soil Cracks (B6) In Visible on Aerial I ained Leaves (B9)	ator is sufficiently ine) rine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (Con Reduction in Ploy	Living Root	Seconda Wate Sedi Drift Drail Dry-ts (C3) Thin Cray Satur Shall	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) hage Patterns (B10) Season Water Table (C2) Muck Surface (C7) rfish Burrows (C8) ration Visible on Aerial Imag	uired)
Depth (incomarks: DROLOG etland Hyd imary Indication Surface \ High Wat Saturation Water Ma Sediment Drift Dep Surface S Inundation Water-St eld Observe	hes): GY Irology Indicators: ators (any one indicators (any one indicators) Atter (A1) ter Table (A2) In (A3) arks (B1) (Nonrivers) t Deposits (B2) (Noncists (B3) (Nonrivers) Soil Cracks (B6) In Visible on Aerial I ained Leaves (B9) Irations:	ator is sufficient ine) nriverine) rine) magery (B7)	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F Presence Recent Iro Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (Con Reduction in Ploy clain in Remarks)	Living Roof 4) wed Soils (C	Seconda Wate Sedi Drift Drail Dry-ts (C3) Thin Cray Satur Shall	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) hage Patterns (B10) Season Water Table (C2) Muck Surface (C7) rfish Burrows (C8) ration Visible on Aerial Imag	uired)
Depth (incomarks: DROLOG etland Hydrimary Indication Surface \ High Water Mater Mater Mater Mater Mater Surface Water Mater Mater Mater Mater Mater Strace Water Strace Water Mater Strace Water Mater Strace Water Mater Strace Water Strace Water Mater Strace Water Strace Water Mater Strace Water S	Ines): A Columbia Columbia A Columbia Columbia Columbia Columbia Columbia Columbia A Columbia Colum	ine) nriverine) rine) magery (B7)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (Con Reduction in Ploy clain in Remarks) ches):	Living Roof 4) wed Soils (C	Seconda Wate Sedi Drift Drail Dry-ts (C3) Thin Cray Satur Shall	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) hage Patterns (B10) Season Water Table (C2) Muck Surface (C7) rfish Burrows (C8) ration Visible on Aerial Imag	uired)
Depth (incentarias: DROLOG etland Hydrid imary Indication Surface \ High Water Mater Mater Sediment Orift Depter Surface Su	hes): GY Irology Indicators: ators (any one indicators (any one indicators) Avater (A1) ter Table (A2) In (A3) arks (B1) (Nonriver) It Deposits (B2) (Nonriver) It Deposits (B3) (Nonriver) It Deposits (B3) (Nonriver) It Deposits (B4) (Nonriver) It Depos	ator is sufficient ine) nriverine) rine) magery (B7) es (Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F Presence Recent Iro Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (Con Reduction in Ploy clain in Remarks) ches):	Living Roof 4) wed Soils (C	Seconda Wate Sedi Drift Drail Dry-ts (C3) Thin Cray Satur Shall	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) hage Patterns (B10) Season Water Table (C2) Muck Surface (C7) rfish Burrows (C8) ration Visible on Aerial Imag	uired)
Depth (incentarion Procession Pro	Ines): GY Irology Indicators: ators (any one indicators (any one indicators) Atter (A1) ter Table (A2) In (A3) In (ator is sufficient ine) nriverine) rine) magery (B7) es (Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (Con Reduction in Ploy clain in Remarks) ches):	Living Roof 4) wed Soils (C	Seconda Wate Sedi Drift Drail Dry-ts (C3) Thin Cray Satur Shall	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) Muck Surface (C7) rfish Burrows (C8) ration Visible on Aerial Image low Aquitard (D3) -Neutral Test (D5)	uired)
Depth (incomarks: DROLOG etland Hydrimary Indication Surface \ High Water Ma Saturation Water Ma Surface Surf	hes): GY Irology Indicators: ators (any one indicators (any one indicators) Avater (A1) ter Table (A2) In (A3) arks (B1) (Nonriver) It Deposits (B2) (Nonriver) It Deposits (B3) (Nonriver) It Deposits (B3) (Nonriver) It Deposits (B4) (Nonriver) It Depos	ator is sufficient ine) nriverine) rine) magery (B7) es (No.	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (Con Reduction in Plot olain in Remarks) ches): ches):	Living Roof 4) wed Soils (C	Seconda Wate Sedi Drift Drain Dry- ts (C3) Thin Cray Satu Shal FAC	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) Muck Surface (C7) rfish Burrows (C8) ration Visible on Aerial Image low Aquitard (D3) -Neutral Test (D5)	uired)
Depth (incomarks: DROLOG etland Hydrimary Indication Surface \ High Water Ma Saturation Water Ma Surface Surf	hes): Y Irology Indicators: ators (any one indic Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriver t Deposits (B2) (Non osits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial I ained Leaves (B9) vations: er Present? Present? Y esent? illary fringe)	ator is sufficient ine) nriverine) rine) magery (B7) es (No.	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (Con Reduction in Plot olain in Remarks) ches): ches):	Living Roof 4) wed Soils (C	Seconda Wate Sedi Drift Drain Dry- ts (C3) Thin Cray Satu Shal FAC	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) Muck Surface (C7) rfish Burrows (C8) ration Visible on Aerial Image low Aquitard (D3) -Neutral Test (D5)	uired)
Depth (incomarks: DROLOG etland Hydrimary Indication Surface \ High Water Ma Saturation Water Ma Surface Surf	Irology Indicators: ators (any one indicators (any one indicators) ators (A1) arks (B1) (Nonrivers) ators (B2) (Nonrivers) ators (B3) (Nonrivers) ations: ators (B3) (Nonrivers) ators (B4) ations: ators (B4) ations (B4) ations: ators (B4) ations (B4) ations: ators (B4) ators (B4) ations (B4) a	ine) ine) ine) magery (B7) es \(\) No es \(\) No gauge, monif	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (Con Reduction in Ploto plain in Remarks) ches): ches): photos, previous in	Living Roof 4) wed Soils (Control Wetlandspections), i	Seconda Sedi Sedi Drift Drain Dry- ts (C3) Thin Cray Satu Shal FAC	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverine) hage Patterns (B10) Season Water Table (C2) Muck Surface (C7) fish Burrows (C8) ration Visible on Aerial Imagelow Aquitard (D3) -Neutral Test (D5)	uired)
Depth (incomarks: DROLOG etland Hydelimary Indicates Surface \ High Water Mater Mater Sediment Drift Depth Surface Sediment Water Mater State Inundation Water-State Inu	Irology Indicators: ators (any one indicators (any one indicators) ators (A1) arks (B1) (Nonrivers) ators (B2) (Nonrivers) ators (B3) (Nonrivers) ations: ators (B3) (Nonrivers) ators (B4) ations: ators (B4) ations (B4) ations: ators (B4) ations (B4) ations: ators (B4) ators (B4) ations (B4) a	ine) nriverine) rine) magery (B7) es (No No No gauge, monit	Salt Crust Biotic Crust Aquatic Int Hydrogen Oxidized F Presence Recent Iro Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres along of Reduced Iron (Con Reduction in Ploto plain in Remarks) ches): ches): photos, previous in	Living Roof 4) wed Soils (Control Wetlandspections), i	Seconda Sedi Sedi Drift Drain Dry- Satu Shal FAC	ry Indicators (2 or more requer Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) Muck Surface (C7) rfish Burrows (C8) ration Visible on Aerial Image low Aquitard (D3) -Neutral Test (D5)	uired)

Project/Site: Connoctin Slowly	City/C	County: TRAZO	154mo, SAM JOA Sam	Apling Date: 9/29/06
Applicant/Owner: CONTRA COSTA WATE		and sile-		oling Point: 37
Investigator(s): T. Maha			nge: TZN, R4E, S	
Landform (hillslope, terrace, etc.):			convex, none): Convex	
Subregion (LRR):C - Mediterranean California	Lat: 38°0	. 1.	Long: 121° 31' 44"	
				W Datum. Phys
Soil Map Unit Name: PINDGE MUCK, PANT				
Are climatic / hydrologic conditions on the site typical for t			•••C 87	· · · · · · · · · · · · · · · · · · ·
Are Vegetation Soil or Hydrology	significantly distur		'Normal Circumstances" presen	
Are Vegetation Soil or Hydrology	naturally problema	atic? (If ne	eded, explain any answers in F	Remarks.) SENSON
SUMMARY OF FINDINGS - Attach site map	showing sam	pling point lo	ocations, transects, imp	ortant features, etc.
Hydrophytic Vegetation Present? Yes	No (
Hydric Soil Present?	No S	Is the Sampled	Area	
Wetland Hydrology Present? Yes	No A	within a Wetlar	nd? Yes C	No X
Remarks: Area has been d	1skell,	Ves st	11 present -	Q'
identifice.				
VEGETATION				
T . O		inant Indicator	Dominance Test worksheet	
Tree Stratum (Use scientific names.)	% Cover Spec	cies? Status	Number of Dominant Species	The state of the s
1. 2		×	That Are OBL, FACW, or FAC	C: (A)
3			Total Number of Dominant Species Across All Strata:	/_
4				
			Percent of Dominant Species That Are OBL, FACW, or FAC	
Sapling/Shrub Stratum				
1.			Prevalence Index workshee	
2			Total % Cover of:	Multiply by:
3			OBL species FACW species	x 1 = () x 2 = ()
4. <u> </u>			FAC species	x 2 = 0 x 3 = 0
Total Cov	ver: %		FACU species	x 4 =
Herb Stratum	VC1. /0		UPL species	x 5 =
1. Cynoden doctylon	70	FAZ	€olumn Totals:	(A) (B)
2.				
3.		•	Prevalence Index = B/A	
4.			Hydrophytic Vegetation Ind	
5			Prevalence Index is ≤3.0	
6			Morphological Adaptation	92
7.			data in Remarks or or	
Total Cov			Problematic Hydrophytic	Vegetation ¹ (Explain)
Woody Vine Stratum	ver: 70%			
1.			¹ Indicators of hydric soil and	wetland hydrology must
2.			be present.	
Total Cov	ver: 70%	The state of the s	Hydrophytic	
% Bare Ground in Herb Stratum 30% % Co	ver of Biotic Crust	10%	Vegetation Present? Yes	No O
Remarks:	-			
		•		

OIL							Sampling Point: 37
rofile Desc	ription: (Describe	to the depth	needed to docume	nt the indicator	or confirm	the absence of in	
Depth	Matrix	*	Redox F				alouto (o.)
(inches)	Color (moist)	%	Color (moist)	% Type ¹	_Loc ²	Texture ³	Remarks
2-20	IOYRZIZ	99+	10424/6 a	e i c	m	sitti cla	- /
	oncentration, D=Dep s: Clay, Silty Clay, S			ocation: PL=Pore	e Lining, RC	=Root Channel, Man, Silty Clay Loam,	=Matrix. Silt Loam, Silt, Loamy Sand, S
ydric Soil In	dicators: (Applicab	le to all LRRs	, unless otherwise no	oted.)			oblematic Hydric Soils:
Histosol (Sandy Redox (S				A9) (LRR C)
	ipedon (A2)		Stripped Matrix	,		2 cm Muck (A10) (LRR B)
Black His	SACROTAGE SACRET STREET SACROTAGE SA		Loamy Mucky		22	Reduced Ve	
19	n Sulfide (A4)	C \	Loamy Gleyed				Material (TF2)
	Layers (A5) (LRR 0 ck (A9) (LRR D)	ه)	Depleted Matri	8 8	•	Other (Expla	in in Remarks)
	Below Dark Surface	Δ (Λ11)	Redox Dark Su	3 9			
_	rk Surface (A12)	C (A11)	Depleted Dark	190 September States Sec Addr.			
	ucky Mineral (S1)		Redox Depress	\$ 367		4.	
	leyed Matrix (S4)	3	Vernal Pools (F	-9)	500		Irophytic vegetation and
					· · · · · · · · · · · · · · · · · · ·	wetland hydro	logy must be present.
72	ayer (if present):						
Type:	None						
Depth (incl	hes):					Hydric Soil Prese	ent? Yes 🔿 Nò🔍
emarks:							
	50						
	ŝΥ						•
DROLOG						0	ndiantora (2 ar magra na su ina d
	rology Indicators:	•				Secondary I	noncainis iz or more required
	rology Indicators:		nt)			With a control of the	ndicators (2 or more required)
etland Hydi imary Indica	ators (any one indica			1)		Water M	farks (B1) (Riverine)
etland Hydi imary Indica Surface W	ators (any one indica Vater (A1)		Salt Crust (B1	•		Water M	farks (B1) (Riverine) nt Deposits (B2) (Riverine)
etland Hydica imary Indica Surface W High Wate	ators (any one indica Vater (A1) er Table (A2)		Salt Crust (B1 Biotic Crust (B	312)		Water Moder	farks (B1) (Riverine) Int Deposits (B2) (Riverine) posits (B3) (Riverine)
etland Hydica imary Indica Surface W High Wate Saturation	Nater (A1) er Table (A2)	ator is sufficie	Salt Crust (B1 Biotic Crust (B	312) ebrates (B13)		Water Magnetic Sediment Drift Department Drainage	farks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine)
etland Hydicalimary Indicalimary Indicaliant Surface Water Main Saturation Water Main	Nater (A1) er Table (A2) n (A3) rks (B1) (Nonriveri	ne)	Salt Crust (B1 Biotic Crust (B Aquatic Inverted Hydrogen Sulf	B12) ebrates (B13) fide Odor (C1)		Water Model	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B4) (Riverine) Int Deposits (B4) (Riverine) Int Deposits (B4) (Riverine) Int Dep
etland Hydical imary Indical Surface Water Mail Water Mail Sediment	Nater (A1) er Table (A2) n (A3) rks (B1) (Nonriveri Deposits (B2) (Non	ne)	Salt Crust (B1 Biotic Crust (B2 Aquatic Inverted Hydrogen Sulf Oxidized Rhize	ebrates (B13) fide Odor (C1) ospheres along L	5000	Water Model	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposit (B3) (Riverine) Int
etland Hydical imary Indical Surface Water Mail Sediment Drift Depo	vater (A1) er Table (A2) n (A3) rks (B1) (Nonriveri Deposits (B2) (Non osits (B3) (Nonriver	ne)	Salt Crust (B1 Biotic Crust (B2 Aquatic Inverted Hydrogen Sulf Oxidized Rhize Presence of R	ebrates (B13) fide Odor (C1) ospheres along L educed Iron (C4))	Water Model	Marks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (Riverine) Int Deposit (Riverine) Int Deposit (Riverine) Int Deposit (Riverine) Int Deposit (River
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No surface or neurosurface hydro indicates

US Army Corps of Engineers

Project/Site: Connoction Slovale City/County: Bacon 1	sumo, smJoh Sampling Date: 19 28
Applicant/Owner: Contra COSTA WATER DISTRICT	State: CA Sampling Point: 38A
Investigator(s): T. MATHONY Section, Township, Ran	ge: TZN, R4E, SEZZZ
Landform (hillslope, terrace, etc.): leves slope Local relief (concave, concave)	onvex, none): Concave Slope (%): 5
Subregion (LRR):C - Mediterranean California Lat: 38°0'12'N	Long: 121° 31' 43' w Datum: NAD 83
Soil Map Unit Name: ITANO SILTY CLAY LOAM, DARTIMY DRAIN	00,0-2NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No	**************************************
	Normal Circumstances" present? Yes A No
	eded, explain any answers in Remarks.) Settson A
SUMMARY OF FINDINGS - Attach site map showing sampling point lo	cations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No Soil Sthe Sampled	Area
Wetland Hydrology Present? Yes No No within a Wetland	3 0000
Soil development due to vijung, but consitten "other unters" due to dense hyd	dend wetterd into
VEGETATION Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Use scientific names.) Mosolite Dominant Indicator Scientific names.) Mosolite Dominant Indicator Scientific names.)	Number of Dominant Species That Are OBL, FACW, or FAC:
2.	Total Number of Dominant
3.	Species Across All Strata: (B)
4.	Percent of Dominant Species
Sapling/Shrub Stratum	That Are OBL, FACW, or FAC: / 🗸 🗘 0 % (A/B)
1. Schoenellechs acuts 40 7 OBL	Prevalence Index worksheet:
2 Schoone plactic californing 40 / OBL	Total % Cover of: Multiply by:
4. 3.	OBL species x 1 = 0
4.	FACW species x 2 = 0 FAC species x 3 = 0
5	FAC species x 3 = () FACU species x 4 = ()
Herb Stratum	UPL species x 5 = 0
1.	Column Totals: (A) (B)
2.	
3.	Prevalence Index = B/A =
4	Hydrophytic Vegetation Indicators: Dominance Test is >50%
5	Prevalence Index is ≤3.0 ¹
6. 7.	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8.	Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum	
1	¹ Indicators of hydric soil and wetland hydrology must
2.	be present.
Total Cover: 80 % % Bare Ground in Herb Stratum 20 % Cover of Biotic Crust %	Hydrophytic Vegetation Present? Yes No
Remarks:	

Depth (inches) Cold	Matrix or (moist)	%	Red Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks
5E		MYS		_			·	
<u> </u>	e per	MPK >						
	* * * * * * * * * * * * * * * * * * *			_				
	*					3 		1.
						<u> </u>		
Type: C=Concentra	ation D=Den	letion RM=R	educed Matrix	² Location	· PI =Pore	Lining RC	C=Root Channel M	=Matrix
20 × 1 × 200 × 1 × 20	Service and the service and th							Silt Loam, Silt, Loamy Sand, Sa
					ilay Loain	, Clay Loai		
ydric Soil Indicator	s: (Applicabl	e to all LKKS	The second of th	£5				oblematic Hydric Soils:
Histosol (A1)	/AO\		Sandy Red					(A40) (LRR C)
Histic Epipedon	,		Stripped N	, ,	L /E 4 \			(A10) (LRR B)
Black Histic (A3			20 10 10 10 10 10 10 10 10 10 10 10 10 10	icky Minera			Reduced Ve	
Hydrogen Sulfid				eyed Matrix	(FZ)			Material (TF2)
Stratified Layers	2 6 33	•)		Matrix (F3)	(EA)		Utner (Expl	ain in Remarks)
1 cm Muck (A9)			year or an extra contract of the contract of t	rk Surface (
Depleted Below		e (A11)	E-CONTROL OF THE CONTROL OF	Dark Surfac				
Thick Dark Surf	, ,			pressions (F	-8)	9	4	
Sandy Mucky M	2		Vernal Po	ols (F9)		š		drophytic vegetation and
Sandy Gleyed N	Natrix (S4)						wetland hydr	ology must be present.
Restrictive Layer (i	f present):							
Type:	₹.							
							l	
Depth (inches):							Hydric Soil Pres	ent? Yes No
	+		<u> </u>					
	shalo	14 4	· 65+4	110-Va	- O -			
	state	15 1	· 05+4	11p-v=	P 0	n/ad		
	state	ne plec	hs 970	11p-v=	P 0	n/ad		
Remarks: 506	state	neflec	105+4 45/00	1 p-v=	P 0	n/ad		ent? Yes Note
Remarks: 506	state	neflec	hs grow	11p-v=	P 0	n/ad		
Remarks: 506 Dece			tost by	1 p - v =	P 0	n/ad	Jacet to	
Permarks: 506 Dec ce YDROLOGY Vetland Hydrology	Indicators:			1 P · v ·	P 0	nond	Jacet + no + Secondary	soil deulyn
YDROLOGY Vetland Hydrology Primary Indicators (a	Indicators:		ent)		P 0	nond	Secondary Water	Indicators (2 or more required) Marks (B1) (Riverine)
YDROLOGY Vetland Hydrology Primary Indicators (a	Indicators: any one indicators		ent) Salt Crus	t (B11)	P 0	nond	Secondary Sedim	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine)
YDROLOGY Vetland Hydrology Primary Indicators (a Surface Water (a High Water Tab	Indicators: any one indicators: (A1) le (A2)		ent) Salt Crus Biotic Cr	t (B11)		nond	Secondary Secondary Sedim Orift D	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine)
YDROLOGY Vetland Hydrology Primary Indicators (a Surface Water (a High Water Tab	Indicators: any one indicators (A1) le (A2)	ator is sufficie	ent) Salt Crus Biotic Crus Aquatic I	t (B11) ust (B12) nvertebrate	s (B13)	nond	Secondary Secondary Sedim Sedim Drift D Draina	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10)
YDROLOGY Vetland Hydrology Primary Indicators (a Surface Water (Indicators: any one indicators (A1) le (A2)	ator is sufficie	ent) Salt Crus Biotic Crus Aquatic I	t (B11)	s (B13)	nond	Secondary Secondary Vater Sedim Drift D Draina Dry-Se	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2)
Permarks: YDROLOGY Vetland Hydrology Primary Indicators (a) Surface Water (a) High Water Tab Saturation (A3)	Indicators: any one indicators: (A1) le (A2)	ator is sufficie	ent) Salt Crus Biotic Cru Aquatic I Hydroge	t (B11) ust (B12) nvertebrate	s (B13) dor (C1)		Secondary Secondary Vater Sedim Drift D Draina Dry-Se	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10)
YDROLOGY Vetland Hydrology Vimary Indicators (a Surface Water (a High Water Tab Saturation (A3) Water Marks (B	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering Sits (B2) (Norivering Sits (ine)	ent) Salt Crus Biotic Cru Aquatic I Hydroge Oxidized	t (B11) ust (B12) nvertebrates	s (B13) dor (C1) res along	Living Roo	Secondary Secondary Vater Sedim Drift D Draina Dry-Sets (C3) Thin M	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2)
Primary Indicators (a Surface Water (A3) Water Marks (B) Sediment Depo	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering Sits (B2) (Nonrivering Sits (B2))	ine)	ent) Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence	at (B11) ust (B12) nvertebrate n Sulfide Oc	s (B13) dor (C1) res along	Living Roo	Secondary Secondary Vater Sedim Drift D Draina Dry-Set ts (C3) Thin N Crayfis	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7)
YDROLOGY Vetland Hydrology Primary Indicators (a Surface Water (a High Water Tab Saturation (A3) Water Marks (B Sediment Depo	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering Sits (B2) (None Sits (B2) (None Sits (B3) (None Sits (B6))	ine) ine) riverine)	ent) Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent In	t (B11) ust (B12) nvertebrates n Sulfide Oc Rhizospher of Reduce	s (B13) dor (C1) res along d Iron (C4 on in Plow	Living Roo	Secondary Vater Sedim Drift D Draina Dry-Sets (C3) Thin M Crayfis Satura	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (C
PROLOGY Vetland Hydrology Primary Indicators (and Surface Water (A) High Water Tab Saturation (A3) Water Marks (B) Sediment Depoil Drift Deposits (B) Surface Soil Crail	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering (B2) (Nonrivering (B3) (Nonrivering (B6)) le on Aerial Indicators:	ine) ine) riverine)	ent) Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent In	t (B11) ust (B12) nvertebrate n Sulfide Oc Rhizospher	s (B13) dor (C1) res along d Iron (C4 on in Plow	Living Roo	Secondary Secondary Water Sedim Drift D Draina Dry-Set Crayfis Satura Shallor	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (Cay Aquitard (D3)
PROLOGY Petland Hydrology Primary Indicators (a Surface Water (A) Water Marks (B) Sediment Depoil Drift Deposits (B) Surface Soil Cra Inundation Visib Water-Stained L	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering (B2) (Nonrivering (B6)) acks (B6) ale on Aerial Indicators (B9)	ine) ine) riverine)	ent) Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent In	t (B11) ust (B12) nvertebrates n Sulfide Oc Rhizospher of Reduce	s (B13) dor (C1) res along d Iron (C4 on in Plow	Living Roo	Secondary Secondary Water Sedim Drift D Draina Dry-Set Crayfis Satura Shallor	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (C
PROLOGY Wetland Hydrology Primary Indicators (and Surface Water (and Hydrology) Surface Water (and High Water Table) Saturation (A3) Water Marks (Boundary Depoils (Boundary	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering (B2) (Nonrivering (B6)) acks (B6) ale on Aerial Indicators (B9) it	ine) ine) riverine) magery (B7)	Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent II Other (Ex	at (B11) ust (B12) nvertebrates n Sulfide Oc Rhizospher of Reduce on Reduction	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Roo	Secondary Secondary Water Sedim Drift D Draina Dry-Set Crayfis Satura Shallor	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (Cay Aquitard (D3)
PROLOGY Wetland Hydrology Primary Indicators (and Surface Water (and Hydrology) Surface Water (and High Water Table Saturation (A3) Water Marks (Boundary Deposits (Boundary Surface Soil Crange Soil Crange Surface	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering (B2) (Nonrivering (B6)) acks (B6) ale on Aerial Indicators (B9) it	ine) ine) riverine) magery (B7)	ent) Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent In	at (B11) ust (B12) nvertebrates n Sulfide Oc Rhizospher of Reduce on Reduction	s (B13) dor (C1) res along d Iron (C4 on in Plow	Living Roo	Secondary Secondary Water Sedim Drift D Draina Dry-Set Crayfis Satura Shallor	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (Cay Aquitard (D3)
Primary Indicators (a Surface Water Tab Saturation (A3) Water Marks (B Sediment Depoil Drift Deposits (B Surface Soil Crail Inundation Visib Water-Stained Leich Observations Surface Water Present Courface W	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering Sits (B2) (Nonrivering Sits (B6)) le on Aerial Indicators (B9) le aves (B9) le ent?	ine) ine) ine) magery (B7)	Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent II Other (Ex	at (B11) ust (B12) nvertebrates n Sulfide Oc Rhizospher of Reduce on Reduction kplain in Re nches):	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Roo	Secondary Secondary Water Sedim Drift D Draina Dry-Set Crayfis Satura Shallor	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (Cay Aquitard (D3)
Primary Indicators (a Surface Water Table Surface Soil Crand Inundation Visible Water Table Water Stained Level Water Table Water Table Water Table Present Water Tabl	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering Sits (B2) (Nonrivering Sits (B6)) le on Aerial Indexes (B9) acks (B9) acks (B9) acks (B9) acks (B9)	ine) ine) ine) ine) magery (B7) es \(\omega \) No	Salt Crus Biotic Crus Aquatic I Hydroge Oxidized Presence Recent II Other (Ex	at (B11) ust (B12) nvertebrates n Sulfide Oc Rhizospher of Reduce on Reduction kplain in Re nches):	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Room	Secondary Secondary Vater Sedim Drift D Draina Dry-Sets (C3) Thin M Crayfis Satura Shallor FAC-N	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (Cay Aquitard (D3) eutral Test (D5)
Primary Indicators (a Surface Water Table Surface Soil Crall Inundation Visib Water Table Water Stained Land Observations Surface Water Preservator Table Preservation Present Stained Includes capillary from the control of the contr	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering (B2) (Nonrivering (B3) (Nonrivering (B4)) le on Aerial Indexes (B4) le eaves (B4)	es No	Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II Other (Ex	at (B11) ust (B12) nvertebrate n Sulfide Oc Rhizospher on Reduction kplain in Re nches): nches):	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Room	Secondary Volter Sedim Drift D Draina Dry-Sets (C3) Thin M Crayfis Satura Shallor FAC-N and Hydrology Pre	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (Cay Aquitard (D3) eutral Test (D5)
PROLOGY Wetland Hydrology Primary Indicators (and Surface Water (and Hydrology) Surface Water (and High Water Table Saturation (A3) Water Marks (Bourface Soil Crail Inundation Visible Water-Stained Library (and Surface Water Presentation Present Saturation Present Saturation Present Sincludes capillary from the surface water from the saturation Present Saturation Present Sincludes capillary from the surface water from the saturation Present Saturation Present Sincludes capillary from the surface water from the saturation Present Saturation Present Sincludes capillary from the surface water from the saturation Present Saturation Pre	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering (B2) (Nonrivering (B3) (Nonrivering (B4)) le on Aerial Indexes (B4) le eaves (B4)	es No	Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II Other (Ex	at (B11) ust (B12) nvertebrate n Sulfide Oc Rhizospher on Reduction kplain in Re nches): nches):	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Room	Secondary Volter Sedim Drift D Draina Dry-Sets (C3) Thin M Crayfis Satura Shallor FAC-N and Hydrology Pre	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (Cay Aquitard (D3) eutral Test (D5)
Primary Indicators (a Surface Water Table Present Saturation Present S	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering (B2) (Nonrivering (B3) (Nonrivering (B4)) le on Aerial Indicators (B4) le aves (B4) ent? Year (B4) inge) Data (stream	ine) ine) magery (B7) es \(\omega \) No \(\omega \) No \(\omega \) gauge, moni	Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent II Other (Ex	at (B11) ust (B12) nvertebrate n Sulfide Oc Rhizospher on Reduction kplain in Re nches): nches):	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Room	Secondary Volter Sedim Drift D Draina Dry-Sets (C3) Thin M Crayfis Satura Shallor FAC-N and Hydrology Pre	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (Cay Aquitard (D3) eutral Test (D5)
Primary Indicators (a Surface Water Table Presentation Present? (includes capillary from Describe Recorded)	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering (B2) (Nonrivering (B3) (Nonrivering (B4)) le on Aerial Indexes (B4) eaves (B4) indexes (B4) indexes (B5) Data (stream	es \ No es \ No gauge, moni	Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II Other (Ex	at (B11) Just (B12) Invertebrate Sulfide Occ Rhizospher of Reduce on Reduction kplain in Re nches): nches): nches): photos, pre	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Room Output O	Secondary Vater Sedim Drift D Draina Dry-Sets (C3) Thin M Crayfis Satura Shallor FAC-N and Hydrology Pre f available:	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (Cay Aquitard (D3) eutral Test (D5)
Primary Indicators (a Surface Water Table Presentation Present Presentation Present	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering (B2) (Nonrivering (B3) (Nonrivering (B4)) le on Aerial Indexes (B4) eaves (B4) indexes (B5) Indexes (B6) Indexes (B6) Indexes (B6) Indexes (B7) Indexes	es \ No es \ No gauge, moni	Salt Crus Biotic Cr Aquatic I Hydroge Oxidized Presence Recent II Other (Ex	at (B11) Just (B12) Invertebrate Sulfide Occ Rhizospher of Reduce on Reduction kplain in Re nches): nches): nches): photos, pre	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Room Output O	Secondary Vater Sedim Drift D Draina Dry-Sets (C3) Thin M Crayfis Satura Shallor FAC-N and Hydrology Pre f available:	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (Cay Aquitard (D3) eutral Test (D5)
YDROLOGY Wetland Hydrology Primary Indicators (a Surface Water (a High Water Tab Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (B Surface Soil Cra Inundation Visib Water-Stained L Water-Stained L Field Observations Surface Water Presentation Present Saturation Present Cincludes capillary from Describe Recorded	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering (B2) (Nonrivering (B3) (Nonrivering (B4)) le on Aerial Indexes (B4) eaves (B4) indexes (B5) Indexes (B6) Indexes (B6) Indexes (B6) Indexes (B7) Indexes	es \ No es \ No gauge, moni	Salt Crus Biotic Crus Aquatic I Hydroge Oxidized Presence Recent II Other (Ex	at (B11) Just (B12) Invertebrate Sulfide Occ Rhizospher of Reduce on Reduction kplain in Re nches): nches): nches): photos, pre	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Room Output O	Secondary Vater Sedim Drift D Draina Dry-Sets (C3) Thin M Crayfis Satura Shallor FAC-N and Hydrology Pre f available:	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (Cay Aquitard (D3) eutral Test (D5)
YDROLOGY Wetland Hydrology Primary Indicators (a Surface Water (a High Water Tab Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (B Surface Soil Cra Inundation Visib Water-Stained L Water Table Presentation Presen	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering (B2) (Nonrivering (B3) (Nonrivering (B4)) le on Aerial Indexes (B4) eaves (B4) indexes (B5) Indexes (B6) Indexes (B6) Indexes (B6) Indexes (B7) Indexes	es \ No es \ No gauge, moni	Salt Crus Biotic Crus Aquatic I Hydroge Oxidized Presence Recent II Other (Ex	at (B11) Just (B12) Invertebrate Sulfide Occ Rhizospher of Reduce on Reduction kplain in Re nches): nches): nches): photos, pre	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Room Output O	Secondary Volter Sedim Drift D Draina Dry-Sets (C3) Thin M Crayfis Satura Shallor FAC-N and Hydrology Pre	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (Cay Aquitard (D3) eutral Test (D5)
PROLOGY Vetland Hydrology Primary Indicators (and Surface Water Table Present Saturation Present Pres	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering (B2) (Nonrivering (B3) (Nonrivering (B4)) le on Aerial Indexes (B4) eaves (B4) indexes (B5) Indexes (B6) Indexes (B6) Indexes (B6) Indexes (B7) Indexes	es \ No es \ No gauge, moni	Salt Crus Biotic Crus Aquatic I Hydroge Oxidized Presence Recent II Other (Ex	at (B11) Just (B12) Invertebrate Sulfide Occ Rhizospher of Reduce on Reduction kplain in Re nches): nches): nches): photos, pre	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Room Output O	Secondary Vater Sedim Drift D Draina Dry-Sets (C3) Thin M Crayfis Satura Shallor FAC-N and Hydrology Pre f available:	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (Cay Aquitard (D3) eutral Test (D5)
PROLOGY Vetland Hydrology Primary Indicators (and Surface Water Table Present aturation Present Prese	Indicators: any one indicators: A1) le (A2) 1) (Nonrivering (B2) (Nonrivering (B3) (Nonrivering (B4)) le on Aerial Indexes (B4) eaves (B4) indexes (B5) Indexes (B6) Indexes (B6) Indexes (B6) Indexes (B7) Indexes	es \ No es \ No gauge, moni	Salt Crus Biotic Crus Aquatic I Hydroge Oxidized Presence Recent II Other (Ex	at (B11) Just (B12) Invertebrate Sulfide Occ Rhizospher of Reduce on Reduction kplain in Re nches): nches): nches): photos, pre	s (B13) dor (C1) res along d Iron (C4 on in Plow marks)	Living Room Output O	Secondary Vater Sedim Drift D Draina Dry-Sets (C3) Thin M Crayfis Satura Shallor FAC-N and Hydrology Pre f available:	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) th Burrows (C8) tion Visible on Aerial Imagery (Cay Aquitard (D3) eutral Test (D5)

Project/Site: Connector > long 4	City	County: BAZon ISLAND, SAN JON Sampling Date: 7/29/08
Applicant/Owner: CONTRA COSTA WATO	e DIS TRUC	State: CA Sampling Point: 388
Investigator(s): T. M Attor	Sec	tion, Township, Range: TZN, RYE, SEZZZ
Landform (hillslope, terrace, etc.): 5 lope	Loc	cal relief (concave, convex, none): Convey Slope (%): 25
Subregion (LRR):C - Mediterranean California	Lat: 多ま	0' 12"N Long: 121° 31' 43"N Datum: NAD8
Soil Map Unit Name: ITANO SILTY CLAY		
Are climatic / hydrologic conditions on the site typical for		AND TO SELECT TO
Are Vegetation Soil or Hydrology		
Are Vegetation Soil or Hydrology	naturally probler	
SUMMARY OF FINDINGS - Attach site ma	ap showing sai	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No S-	
Hydric Soil Present? Yes	No 🕒	Is the Sampled Area
Wetland Hydrology Present? Yes	No _	within a Wetland? Yes No.4
Remarks: Located on lovee	1456h	Instrued by side.
	/	
No vettal para	res	met.
VEGETATION		
		minant Indicator Dominance Test worksheet:
Tree Stratum (Use scientific names.) 1.	% Cover Spe	ecies? Status Number of Dominant Species That Are OBL, FACW, or FAC:
2.		
3.		Total Number of Dominant Species Across All Strata: (B)
4.		Percent of Dominant Species
Sapling/Shrub Stratum	/ %	That Are OBL, FACW, or FAC: 50 % (A/B)
1.		Prevalence Index worksheet:
2.		Total % Cover of: Multiply by:
3.		OBL species x 1 = 0
4.		FACW species x 2 = 0
5		FAC species 25 x 3 = 75
Total Colored Stratum	over: %	FACU species x 4 = 0
	25	UPL species 25 x 5 = 20 125
1. Hirschfeldinincan		Column Totals: 50 (A) 200 (B)
3. Congra Canadensis	<u> 25 </u>	Prevalence Index = B/A =
4.		Hydrophytic Vegetation Indicators:
5.		Dominance Test is >50%
6.		Prevalence Index is ≤3.0¹
7.		Morphological Adaptations ¹ (Provide supporting
8.	- 1	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
Total C	over: 52 %	
Woody Vine Stratum		¹ Indicators of hydric soil and wetland hydrology must
1. 		be present.
ZTotal C	over: 50 %	Hydrophytic
		Vegetation
	over of Biotic Crust	Present? Yes No
Remarks:		
US Army Corps of Engineers		

Arid West - Version 11-1-2006

(inches) Color (moist) %	Color (moist) % Type ¹ Loc ²	Texture ³ Remarks
NO SOIL DEVI	NOOMONT BAND MA	MAD ON LEVER
- ,		
		3.
Type: C=Concentration, D=Depletion, RM=		C=Root Channel, M=Matrix.
		n, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, Sar
ydric Soil Indicators: (Applicable to all LRF Histosol (A1)		Indicators for Problematic Hydric Soils:
Histic Epipedon (A2)	Sandy Redox (S5) Stripped Matrix (S6)	1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	Depleted Dark Surface (F7) Redox Depressions (F8)	
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	⁴Indicators of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)		wetland hydrology must be present.
estrictive Layer (if present):		
Type: None	02. 29	
Depth (inches):		Hydric Soil Present? Yes (No
emarke:		
Remarks:	do at	10.100
remarks:	developent, just	leves if sap
remains. No true Soil	develyout, just	leves siff-p
no true soil	development, just	levee sipsap
YDROLOGY	developent, just	
DROLOGY /etland Hydrology Indicators:		Secondary Indicators (2 or more required)
DROLOGY /etland Hydrology Indicators: rimary Indicators (any one indicator is suffic	cient)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
DROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indicator is sufficed and Surface Water (A1)	cient) Salt Crust (B11)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
DROLOGY /etland Hydrology Indicators: rimary Indicators (any one indicator is sufficed Surface Water (A1)	cient) Salt Crust (B11) Biotic Crust (B12)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
DROLOGY /etland Hydrology Indicators: rimary Indicators (any one indicator is sufficed and suff	cient) Salt Crust (B11)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
DROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indicator is sufficed and sufface Water (A1) High Water Table (A2) Saturation (A3)	cient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
DROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indicator is sufficed and sufficed sufficed surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	cient) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
/DROLOGY /etland Hydrology Indicators: rimary Indicators (any one indicator is suffice Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	Salt Crust (B11) Salt Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) S (C3) Thin Muck Surface (C7) Crayfish Burrows (C8)
PROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indicator is suffice) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) S (C3) Thin Muck Surface (C7) Crayfish Burrows (C8)
PROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indicator is suffice) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) s (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
/DROLOGY /etland Hydrology Indicators: rimary Indicators (any one indicator is sufficed and suff	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) S (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
TOROLOGY Tetland Hydrology Indicators: Imary Indicators (any one indicator is sufficed and suf	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C6)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) S (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
/ DROLOGY /etland Hydrology Indicators: rimary Indicators (any one indicator is sufficed in the surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) eld Observations: urface Water Present? Yes No	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C6) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) S (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
TOROLOGY Tetland Hydrology Indicators: Imary Indicators (any one indicator is sufficed and sufficed water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Teld Observations: Cater Table Present? Water Table Present? Yes Note that Imagery (B7) Water Table Present?	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (City) Other (Explain in Remarks) Depth (inches): Depth (inches):	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) S (C3) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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