# ATTACHMENT 1 WETLANDS DELINEATION FIELD DATA FORMS

**Please Note:** At the time the wetland delineation was conducted, the

applicant/owner was the Contra Costa Water District. The project applicant/ownership has since transferred to the San

Luis & Delta-Mendota Water Authority.

Project/Site: 2 Gates - Old River City/County:	San Joaquin, Bacon St. Sampling Date: 1/8/08
Applicant/Owner: Contra Costa Water District	State: (A Sampling Point:   A
Investigator(s): T. Mahony A. Pichen Section, Town	
Atti	concave, convex, none): Company Slope (%): 0 -
Subregion (LRR): C - Mediterranean California Lat: 37° 58′ 5	0110000
0 110 110 110 110 110 110 110 110 110 1	
Soil Map Unit Name: hyde Clay Loam, 0-2% slopes  Are climatic / hydrologic conditions on the site typical for this time of year? Yes	NWI classification:
And Variable Co.	No (If no, explain in Remarks.)
and the state of t	Are "Normal Circumstances" present? Yes   No
Are Vegetation Soil or Hydrology naturally problematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling p	point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Soil Fastures: Clay, Sity Clay, Sandy Clay, Loam, Sandy Clay L
Hydric Soil Present? Yes No No Is the	Sampled Area
Wetland Hydrology Present? Yes No within Remarks:	a Wetland? Yes No No
Dramage ditch alongside Simflower t	reld. Between field & Levee.
VEGETATION (TF) costs of the	
Tree Stratum (Use scientific names.)  Absolute Dominant Inc. % Cover Species? S	
1.	Number of Dominant Species That Are OBL, FACW, or FAC: () (A)
2.	Attraction of the American Company of the American Com
3. Oak Character Heat obbasis	Total Number of Dominant Species Across All Strata: (B)
4	Percent of Dominant Species
Sapling/Shrub Stratum Total Cover: %	That Are OBL, FACW, or FAC: 0 % (A/B)
1	Prevalence Index worksheet:
2.	Total % Cover of:Multiply by:
3. Charlagest aram to C) andersted incheronal	OBL species x 1 = 0
4. (sninsvi90 (FS) abinta works [77]	FACW species x 2 = 0
5. (and having Arthur and Arambad Francisco)	FAC species x 3 = 0
Herb Stratum	FACU species x 4 = 0
(E18) angles (Page (B19)	UPL species x 5 = 0  Column Totals: (A) 0 (B)
	BC Column Totals: (A) 0 (B)
2	+CW+ -96 Prevalence Index = B/A =
1 0 1	Hydrophytic Vegetation Indicators:
	Dominance Test is >50%
6. (CO) Per leaguest-SAT [3]	Prevalence Index is ≤3.0¹
7.	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8. Table	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum	Water Table Present? Yes ( No ( Mapth (8)
Gnos) Welland Hydrology Pressnsk Yes (# No ()	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2. Teldellava ir "Lendeldapini aucivaių lablanų	be present.
Total Cover: %	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover of Biotic Crust %	
Remarks:	Land I and the second s

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G MOTAMMASTEG GMALTEM Sampling Point: 1 A

Depth (inches)	Matrix Calar (maint)	04		ox Features			-93	2	CONTROL OF
(inches)	Color (moist)		lor (moist)	%	Type 1	Loc <sup>2</sup>	Textu	ire"	Remarks
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	oncentration, D=Depl			Location	: PL=Pore	Lining, Ro	C=Root C	Channel, M=Ma	atrix.
					ndy Loam	, Clay Loa			Loam, Silt, Loamy Sand
Histosol	ndicators: (Applicable	e to all LRRS, un	- Carlotte						ematic Hydric Soils:
	oipedon (A2)	Yes	Sandy Red					cm Muck (A9)	
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	rk Surface (A12)			pressions (F					
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Project/Site: 2 gates - Old River City/County: Bacon	ISL S- Joaq. Sampling Date: 8 1 08
Applicant/Owner: Contra Costa Water Dishia	State: Sampling Point: 1B
Investigator(s): T. Mahony, A. Richey Section, Township, Rai	nge: T2N, R4E, Sec 30
	convex, none): Slight concave Slope (%): 0-2
Subregion (LRR): C - Mediterranean California Lat: 37° 58′ 59″	Long: 12(0 34'46 Datum:
Soil Map Unit Name: Ryde Clay Loam, 0-2% slopes	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ( No (	(If no, explain in Remarks.)
	Normal Circumstances" present? Yes ( No (
, ,,	eded, explain any answers in Remarks.) assuming
SUMMARY OF FINDINGS - Attach site map showing sampling point to	yearly di
SOMMARY OF FINDINGS - Attach site map showing sampling point to	cations, transects, important reactives, etc.
Hydrophytic Vegetation Present? Yes W No No	Sell Textures Clay, Sidy Clay, Sandy Clay, Loam, Sand
Hydric Soil Present? Yes No No Is the Sampled	Area
Wetland Hydrology Present? Yes No Within a Wetlan	
Remarks: This point has been dished this year	r. Probably rueves regular
asking garty.	THE PART OF THE PARTY OF THE PA
VEGETATION (TO see a see	
Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Use scientific names.) % Cover Species? Status  1.	Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
2. 3.	Total Number of Dominant Species Across All Strata:  (B)
4.	Percent of Dominant Species
Total Cover: % Sapling/Shrub Stratum	That Are OBL, FACW, or FAC: 50 % (A/B)
1. /	Prevalence Index worksheet:
2.	Total % Cover of: Multiply by:
3. Common states of the original transported in the common state of the common states of the	OBL species x 1 = 0
4. Conferencial (15) serials serials	FACW species x 2 = 0
5	FAC species 60 x3 = /80
Total Cover: %	FACU species
1. Con don dartulon 60 4 FAC	(6.8) 00 (7.3)
2. Ultica chocasa T n FACW	Column Totals: 60 (A) /80 (B)
3.	Prevalence Index = B/A = 3
cent fron Recucsos in Flowed Soits (CS) [7] Seturation Visible on Armit Imaging (C.4.	Hydrophytic Vegetation Indicators:
5. (EQ) brishup A wolles (EQ) (exhame II as explored) ner	Dominance Test is >50%
6. (80) test testual/ 0/4 [ ]	Prevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting
7.	data in Remarks or on a separate sheet)
Total Cover:	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum	Value Lable Pursoni? Yes ( 80 C
1. V all as These Typology Present Yes	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2	be present.
Total Cover: %  % Bare Ground in Herb Stratum 40 %	Hydrophytic Vegetation Present?  Yes (V)  No (
Pamayka	AND SECURITION OF THE PROPERTY
Un area of mounded, dead Typha	26m from dich appears
to be spoils from dredying of the drainage.	d; cin.

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Sampling Point: 18

Depth (inches)	Matrix Color (moist)	%	Redo Color (moist)	x Features %	Type 1	Loc <sup>2</sup>	Textur	- 3		Remarks
inches)				100	Туре	1 N 0 1		77	ATEN	Kemarks
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	ncentration, D=Depl							hannel, M=N		Silt Loamy Sand Sa
	dicators: (Applicable				ndy Loam	, Clay Loai		tors for Prob		Silt, Loamy Sand, Sa
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	ipedon (A2)		Sandy Redo					cm Muck (A	177	the state of the second state of the second
Black His			Loamy Muc	, ,	I (E1)			educed Verti	, ,	<b>D</b> )
Charles and Charles and Charles	n Sulfide (A4)		Loamy Muc		. ,			educed verti ed Parent Ma		F2)
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	ck (A9) ( <b>LRR D</b> ) Below Dark Surface	(Δ11)	Redox Dar							
	rk Surface (A12)	(A11)			' '					
	ucky Mineral (S1)		Redox Dep		-0)		4India	store of budge	nhyticy	egetation and
	leyed Matrix (S4)		Vernal Poo	15 (ГЭ)				tland hydrolo		[10] [10] [10] [10] [10] [10] [10] [10]
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	ayer (if present):									
Type:										
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Depth (incorrection)  Proposed in the control of th	rology Indicators: ators (any one indicators (any one indicators) ators (any one indicators) ators (any one indicators) ators (any one indicators) ators (A1) arks (B1) (Nonrivering) atoposits (B2) (Nonrivering) ations (B3) (Nonrivering) ations (B3) (Nonrivering) ations (B4) ations: ar Present?  Present?  Yesent?	ne) nriverine) ine) magery (B7	Salt Crust    Biotic Cru   Aquatic In   Hydrogen   Oxidized   Presence   Recent Irc   Other (Ex	st (B11) st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Resches): ches): ches):	dor (C1) res along d Iron (C4 on in Plow marks)	Wetla	ts (C3) [ [C6) [ [Cand Hydral of available]	Gecondary In  Water Ma  Sediment  Drift Dep  Drainage  Dry-Seas  Thin Muc  Crayfish  Saturatio  Shallow A  FAC-Neu	dicators ( arks (B1) t Deposit: osits (B3) Patterns on Water k Surface Burrows n Visible Aquitard ( tral Test	2 or more required) (Riverine) s (B2) (Riverine) o (Riverine) (B10) r Table (C2) o (C7) (C8) on Aerial Imagery (C D3) (D5)
Pepth (inc. Remarks:  YDROLOG Vetland Hyd Primary Indication Surface Value Sediment Drift Deption Surface Water Table Featuration Prencludes capital Sescribe Rec	rology Indicators: ators (any one indicators (any one indicators) ators (any one indicators) ators (any one indicators) ators (any one indicators) ators (A1) arks (B1) (Nonrivering) atoposits (B2) (Nonrivering) ations (B3) (Nonrivering) ations (B3) (Nonrivering) ations (B4) ations: ar Present?  Present?  Yesent?	ne) nriverine) ine) magery (B7	Salt Crust    Salt Crust   Biotic Cru   Aquatic In   Hydrogen   Oxidized     Presence   Recent irc   Other (Ex	st (B11) st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Resches): ches): ches):	dor (C1) res along d Iron (C4 on in Plow marks)	Wetla	ts (C3) [ [C6) [ [Cand Hydral of available]	Gecondary In  Water Ma  Sediment  Drift Dep  Drainage  Dry-Seas  Thin Muc  Crayfish  Saturatio  Shallow A  FAC-Neu	dicators ( arks (B1) t Deposit: osits (B3) Patterns on Water k Surface Burrows n Visible Aquitard ( tral Test	2 or more required) (Riverine) s (B2) (Riverine) o (Riverine) (B10) r Table (C2) o (C7) (C8) on Aerial Imagery (C D3) (D5)
Depth (incomercial property)  Population of the property of th	rology Indicators: ators (any one indicators (any one indicators) ators (any one indicators) ators (any one indicators) ators (any one indicators) ators (A1) arks (B1) (Nonrivering) atoposits (B2) (Nonrivering) ations (B3) (Nonrivering) ations (B3) (Nonrivering) ations (B4) ations: ar Present?  Present?  Yesent?	ne) nriverine) ine) magery (B7	Salt Crust    Salt Crust   Biotic Cru   Aquatic In   Hydrogen   Oxidized     Presence   Recent irc   Other (Ex	st (B11) st (B12) vertebrate: Sulfide Oc Rhizospher of Reduce on Reduction plain in Resches): ches): ches):	dor (C1) res along d Iron (C4 on in Plow marks)	Wetla	ts (C3) [ [C6) [ [Cand Hydral of available]	Gecondary In  Water Ma  Sediment  Drift Dep  Drainage  Dry-Seas  Thin Muc  Crayfish  Saturatio  Shallow A  FAC-Neu	dicators ( arks (B1) t Deposit: osits (B3) Patterns on Water k Surface Burrows n Visible Aquitard ( tral Test	2 or more required) (Riverine) s (B2) (Riverine) o (Riverine) (B10) r Table (C2) o (C7) (C8) on Aerial Imagery (C D3) (D5)

· Paultan Mana	Sampling Date: 8 1 0 8
oplicant/Owner: Contra Costa Water District	State: CA Sampling Point: 2 A
vestigator(s): T. Mahony A. Richery Section, Township, R	
andform (hillslope, terrace, etc.): Flat ag. fulld Local relief (concave	, convex, none): how Slope (%): 0-2
ubregion (LRR): C - Mediterranean California Lat: 37° 59′ / 6″	Long: 121° 34′ 45,6″ Datum: NAD 83
oil Map Unit Name: Ryde Clay Loan, 0-2°65topes	NWI classification:
re climatic / hydrologic conditions on the site typical for this time of year? Yes ( No	(If no, explain in Remarks.)
re Vegetation Soil or Hydrology significantly disturbed?	"Normal Circumstances" present? Yes V No
re Vegetation   Soil   or Hydrology   naturally problematic? (If r	needed, explain any answers in Remarks.) >> w ag. of
UMMARY OF FINDINGS - Attach site map showing sampling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present?  Yes  No  No  Is the Sample	Type: Ceroentered Debenden, ISM=Reduced Made Sold Trustures Cury Silby Cary Dency City Lost Dency Company Company Lost Dency
Wetland Hydrology Present? Yes No within a Wetl.	
Remarks:	and litely and the design of the second
Furrowed soils in a sunflower field. Fre	ld soils are furrowed.
As amage detal does not appe	as to be connected Nof R
EGETATION to additional disch descriped	( m points 3-5.
Absolute Dominant Indicator Tree Stratum (Use scientific names.) % Cover Species? Status	Dominance Test worksheet: Number of Dominant Species
1. Ingang od tistim ygglojbyti bastisw	That Are OBL, FACW, or FAC:
2.	Total Number of Dominant
3.	Species Across All Strata: (B)
4. FOR START STORESHED BOOK STORES	Percent of Dominant Species
Total Cover: %	That Are OBL, FACW, or FAC: /0 0 % (A/B)
Sapling/Shrub Stratum 1.	Prevalence Index worksheet:
2.	Total % Cover of: Multiply by:
3.	OBL species x 1 = 0
4. TARKAN ST STORES TO ACTUM A TRUE ACCUSES	FACW species x 2 = 0
5. (Sensibility) (Ref. arraby televil )	FAC species x 3 = 0
Total Cover: %	FACU species x 4 = 0
Herb Stratum (1997) (CB) also god (1997)	UPL species x 5 = 0
1. Lanthum Strumarum 70 9 FAC	Column Totals: (A) (B)
2. Polygonum amphitium 10 OBI	Prevalence Index = B/A =
mutovated simplower 1 17 C	Hydrophytic Vegetation Indicators:
5. Offelianthus abouts	Dominance Test is >50%
6.	Prevalence Index is ≤3.0¹
7.	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8.	Problematic Hydrophytic Vegetation (Explain)
Total Cover: 9%	Water Table Stangers
Woody Vine Stratum  1.	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2.	be present.
Total Cover: %	Hydrophytic .
% Bare Ground in Herb Stratum / 0 % % Cover of Biotic Crust %	Vegetation Present?  Yes  No
Remarks:	south where sunlower
Remarks: Very clear vegetation break between becomes a dominant in point 28.	, from the sample
the adjust 7R	
vecimes a dominación me provide 23.	

Arid West - Version 11-1-2006

Sampling Point: 2A

Depth	Matrix			Redox Features		Loc <sup>2</sup>	Texture	3	Remarks
	olor (moist)	%	Color (moist	) %	Type 1		1	1	Kemarks
0-16 10	4R 3/2	40	16484	6 10		M	day	loam	
	1		0.81,289,199		1800U				mayan (magaga, arra at, etc.
				0.1		TESL	1910	tus Dinasti	manipatA - Unikitu malquar
		145 VE CASSES							Supply Test Matter Towns
	T. 3812591519	a residuo	on #1	of Wa	TY THEORY	s emu aro	roll leaders	dia att oo an	edibnes sin Nebya specials
700	801 (34820H)	verstamoes	PIO IEMPELO	ela. Non	sociacib effi	significa		alydaeld to	The Soil To nothing and a
	EXCESSION IN THE		elako kulosa	711 75	Bethicota	utiles (siene	-	alizativa sa	T-Those of the accompany
79 .38 h.7561 7	menogen;a	108KHST	,amousoul	annog gode	KITLE OF	taoris 6	FERT SOLE	TORDA - C	IDVIGVIA RO THANKL
Type: C=Concer	ntration, D=Depl	etion, RM=	Reduced Matr	ix. Location	n: PL=Por	Elining, R	C=Root Cha	annel, M=Ma v Loam, Silt	trix. Loam, Silt, Loamy Sand, Sand
lydric Soil Indicat					andy Loan	i, Clay Loa	Indicate	ors for Proble	matic Hydric Soils:
Histosol (A1)	tors: (Applicabl	e to all LKK	-	Redox (S5)				m Muck (A9)	
Histic Epiped	on (A2)			ed Matrix (S6)			2 c	m Muck (A10	) (LRR B)
Black Histic (			Loam	y Mucky Minera	al (F1)		Re	duced Vertic	(F18)
Hydrogen Su			Loam	y Gleyed Matrix	(F2)		Re	d Parent Mat	erial (TF2)
Stratified Lay	ers (A5) (LRR C	;)		ted Matrix (F3)			Oth	ner (Explain i	n Remarks)
1 cm Muck (A	, ,		1 1/	Dark Surface					
Depleted Bel	ow Dark Surface	e (A11)		ted Dark Surfa					
Thick Dark S				Depressions	(F8)		41	-uf by dyan	phytic vegetation and
	/ Mineral (S1)		Verna	I Pools (F9)					ly must be present.
Sandy Gleye		Record and	A Service Control				Weti	and nydrolog	ny mast be present.
Restrictive Laye	r (if present):								
									Alleman and the second second second second
Type:		CIA scott	A dalcaga						a vad NaC
Depth (inches)	): 	KO NA SEGUE NOAS LISO	nus reco A dokoga : TodA fant			18.7	Hydric	Soil Present	? Yes ( No (
Depth (inches)	):	ACAS LISIC	A dolonge CosA fant Maderya (4) Maderya (4)			TeV	Hydric \$	Soil Present	? Yes No No
Depth (inches) Remarks:  YDROLOGY	CAP (s)	0 (A sector) 20 (A CACA 20 (A CACA 30 (A CAC	Autoriana Andreas			187	Total Co		? Yes No No
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo	ogy Indicators:		cient)			lev	Total Co	econdary Ind	puts 33 cumic is sus
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo	ogy Indicators: s (any one indic			Crust (B11)		187	Total Co	econdary Ind Water Mar	icators (2 or more required)
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo Primary Indicator	ogy Indicators: s (any one indic er (A1)		Salt	Crust (B11)		ley	Total Co	econdary Ind Water Mar Sediment	icators (2 or more required) rks (B1) (Riverine)
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo Primary Indicators Surface Wate High Water T	ogy Indicators: s (any one indic er (A1) Table (A2)	ator is suffi	Salt Bioti		res (B13)	187	Total Cle	econdary Ind Water Mar Sediment Drift Depo	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine)
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo Primary Indicator Surface Wate High Water T	ogy Indicators: s (any one indicer (A1) Table (A2)	ator is suffic	Salt Bioti	ic Crust (B12)		187	Total Cle	econdary Ind Water Mar Sediment Drift Depo	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine)
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo Primary Indicator Surface Wate High Water T Saturation (A Water Marks	ogy Indicators: s (any one indic er (A1) Table (A2)	ator is suffice	Salt Bioti Aqu Hyd	ic Crust (B12) atic Invertebrat	Odor (C1)	Living Ro	Si S	econdary Ind  Water Mar  Sediment  Drift Depo  Drainage	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10)
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo Primary Indicator Surface Wate High Water T Water Marks Sediment De	ogy Indicators: s (any one indicer (A1) Table (A2) A3) in pla	ator is sufficiently sufficient	Salt Bioti Aqu Hyd Oxio	ic Crust (B12) atic Invertebrat rogen Sulfide (	Odor (C1) eres along		Si S	econdary Ind  Water Mar  Sediment  Drift Depo  Drainage	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2)
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo Primary Indicator Surface Wate High Water T Water Marks Sediment De	ogy Indicators: s (any one indicer (A1) Table (A2) A3) on pla (B1) (Nonriver eposits (B2) (No	ator is sufficiently sufficient	Salt Bioti Aqu Hyd Oxic	ic Crust (B12) atic Invertebrat rogen Sulfide ( lized Rhizosph	Odor (C1) eres along ced Iron (C	4)	Si Coots (C3)	econdary Ind  Water Mar  Sediment  Drift Depo  Drainage  Dry-Seaso  Thin Muck	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7)
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo Primary Indicator: Surface Wate High Water T Saturation (A Water Marks Sediment De Drift Deposits Surface Soil	ogy Indicators: s (any one indicer (A1) Table (A2) A3) on pla (B1) (Nonriver eposits (B2) (No	ator is sufficient	Salt Bioti Aqu Hyd Oxic	ic Crust (B12) atic Invertebrat rogen Sulfide C dized Rhizosph sence of Reduc	Odor (C1) eres along ed Iron (C tion in Plo	4)	Si Coots (C3)	econdary Ind  Water Mar  Sediment  Drift Depo  Drainage I  Dry-Seaso  Thin Muck  Crayfish B	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7) Burrows (C8)
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo Primary Indicators Surface Water High Water T Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation V	ogy Indicators: s (any one indicer (A1) Table (A2) A3) an pla (B1) (Nonriver eposits (B2) (Nonriver (B3) (Nonriver (B3) (Nonriver (B3) (Nonriver (B6))	ator is sufficient	Salt Bioti Aqu Hyd Oxic	ic Crust (B12) atic Invertebrat rogen Sulfide ( dized Rhizosph sence of Reduce ent Iron Reduce	Odor (C1) eres along ed Iron (C tion in Plo	4)	Si Coots (C3)	econdary Ind Water Mai Sediment Drift Depo Drainage Dry-Seaso Thin Muck Crayfish B Saturation Shallow A	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7) Burrows (C8) s Visible on Aerial Imagery (C9)
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo Primary Indicators Surface Wate High Water T Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation V Water-Staine	ogy Indicators: s (any one indicer (A1) Table (A2) A3) in plan (B1) (Nonriver eposits (B2) (No s (B3) (Nonrive Cracks (B6) Sisible on Aerial I	ator is sufficient	Salt Bioti Aqu Hyd Oxic	ic Crust (B12) atic Invertebrat rogen Sulfide ( dized Rhizosph sence of Reduce ent Iron Reduce	Odor (C1) eres along ed Iron (C tion in Plo	4)	Si Coots (C3)	econdary Ind Water Mai Sediment Drift Depo Drainage Dry-Seaso Thin Muck Crayfish B Saturation Shallow A	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7) Burrows (C8) s Visible on Aerial Imagery (C9) quitard (D3)
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo Primary Indicator Surface Water High Water T Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation V Water-Staine Field Observation	ogy Indicators: s (any one indice er (A1) Table (A2) A3) In pla (B1) (Nonriver eposits (B2) (No s (B3) (Nonrive Cracks (B6) Table on Aerial I ed Leaves (B9) ons:	ator is sufficient with a suff	Salt Bioti Aqu Hyd Oxid Pres Rec Othe	ic Crust (B12) atic Invertebrat rogen Sulfide C dized Rhizosph sence of Reduc ent Iron Reduc er (Explain in R	Odor (C1) eres along ed Iron (C tion in Plo	4) wed Soils	oots (C3)	econdary Ind  Water Mar  Sediment  Drift Depo  Drainage I  Dry-Seaso  Thin Muck  Crayfish B  Saturation  Shallow A  FAC-Neut	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7) Burrows (C8) s Visible on Aerial Imagery (C9) quitard (D3)
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo Primary Indicator Surface Water High Water T Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation V Water-Staine Field Observatio Surface Water Pr	ogy Indicators: s (any one indicer (A1) Table (A2) A3) in plan (B1) (Nonriver eposits (B2) (No s (B3) (Nonriver Cracks (B6) fisible on Aerial I ed Leaves (B9) ons: resent?	ator is sufficient in the suff	Salt Bioti Aqu Hyd Oxic Pres Rec Othe	ic Crust (B12) atic Invertebrat rogen Sulfide C dized Rhizosph sence of Reduce ent Iron Reducer (Explain in Reducer)	Odor (C1) eres along ed Iron (C tion in Plo	4) wed Soils	oots (C3)	econdary Ind  Water Mar  Sediment  Drift Depo  Drainage I  Dry-Seaso  Thin Muck  Crayfish B  Saturation  Shallow A  FAC-Neut	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7) Burrows (C8) s Visible on Aerial Imagery (C9) quitard (D3)
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo Primary Indicator: Surface Water High Water T Water Marks Sediment De Drift Deposite Surface Soil Inundation V Water-Staine Field Observatio Surface Water Pr	ogy Indicators: s (any one indicer (A1) Table (A2) A3) A Plan (B1) (Nonriver eposits (B2) (No s (B3) (Nonriver Cracks (B6) disible on Aerial I ed Leaves (B9) ons: resent? Y	ine) nriverine) rmagery (B7	Salt Bioti Aqu Hyd Oxic Pres Rec Othe	ic Crust (B12) atic Invertebrat rogen Sulfide C dized Rhizosph sence of Reduce ent Iron Reducer (Explain in Reducer (Explain in Reducer) pth (inches):	Odor (C1) eres along ced Iron (C tion in Plo emarks)	4) wed Soils	Solution (C3) [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [	econdary Ind Water Mai Sediment Drift Depo Drainage Dry-Seaso Thin Muck Crayfish B Saturation Shallow A FAC-Neut	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7) Burrows (C8) o Visible on Aerial Imagery (C9) quitard (D3) ral Test (D5)
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo Primary Indicator Surface Water High Water I Saturation (A Water Marks Sediment De Drift Deposite Surface Soil Inundation V Water-Staine Field Observatio Surface Water Pr Water Table Prese Saturation Prese (includes capillar)	ogy Indicators: s (any one indice er (A1) Table (A2) A3) In place (B1) (Nonriver eposits (B2) (No s (B3) (Nonriver Cracks (B6) Tisible on Aerial I ed Leaves (B9) ons: resent? y y fringe)	ine) nriverine) magery (B7	Salt Bioti Aqu Hyd Oxid Pres Rec Othe	ic Crust (B12) atic Invertebrat rogen Sulfide C dized Rhizosph sence of Reduc ent Iron Reduc er (Explain in R  pth (inches): pth (inches):	Odor (C1) eres along ced Iron (C tion in Plo emarks)	4) wed Soils	oots (C3)	econdary Ind  Water Man  Sediment  Drift Depo  Drainage  Dry-Sease  Thin Muck  Crayfish B  Saturation  Shallow A  FAC-Neut	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7) Burrows (C8) s Visible on Aerial Imagery (C9) quitard (D3)
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Depth (inches) Remarks:  IYDROLOGY Wetland Hydrolo Primary Indicator Surface Water High Water I Saturation (A Water Marks Sediment De Drift Deposite Surface Soil Inundation V Water-Staine Field Observatio Surface Water Pr Water Table Press Saturation Press	ogy Indicators: s (any one indice er (A1) Table (A2) A3) In place (B1) (Nonriver eposits (B2) (No s (B3) (Nonriver Cracks (B6) Tisible on Aerial I ed Leaves (B9) ons: resent? y y fringe)	ine) nriverine) magery (B7	Salt Bioti Aqu Hyd Oxid Pres Rec Othe	ic Crust (B12) atic Invertebrat rogen Sulfide C dized Rhizosph sence of Reduc ent Iron Reduc er (Explain in R  pth (inches): pth (inches):	Odor (C1) eres along ced Iron (C tion in Plo emarks)	4) wed Soils Wet	oots (C3)	econdary Ind  Water Man  Sediment  Drift Depo  Drainage  Dry-Sease  Thin Muck  Crayfish B  Saturation  Shallow A  FAC-Neut	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7) Burrows (C8) o Visible on Aerial Imagery (C9) quitard (D3) ral Test (D5)
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Depth (inches) Remarks:  IYDROLOGY Wetland Hydrolo Primary Indicator Surface Wate High Water T Water Marks Sediment De Drift Deposite Surface Soil Inundation V Water-Staine Field Observatio Surface Water Pr Water Table Pres Saturation Prese (includes capillar) Describe Record	ogy Indicators: s (any one indicators: s (B1) (Nonriver c (Posits (B2) (No s (B3) (Nonriver c (B3) (Nonriver c (Cracks (B6) isible on Aerial I s (B2) (Nonriver c (B3) (Nonriver c (B4) (	ine) inriverine) imagery (B7 fes ( ) fes ( ) fes ( ) fes ( ) fine) fine	Salt Bioti Aqu Hyd Oxic Pres Rec Othe No De No De onitoring well,	ic Crust (B12) atic Invertebrat rogen Sulfide C dized Rhizosph sence of Reduce ent Iron Reducer (Explain in Reducer (Explain in Reducer (Explain in Reducer) pth (inches): pth (inches): aerial photos, p	odor (C1) eres along ced Iron (C tion in Plo emarks)	4) wed Soils  Wetspections)	oots (C3) [[C6] [[	econdary Ind Water Mar Sediment Drift Depo Drainage I Dry-Seaso Thin Muck Crayfish B Saturation Shallow A FAC-Neut	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7) Burrows (C8) o Visible on Aerial Imagery (C9) quitard (D3) ral Test (D5)
Depth (inches) Remarks:  R	ogy Indicators: s (any one indicators: s (B1) (Nonriver c (Posits (B2) (No s (B3) (Nonriver c (B3) (Nonriver c (Cracks (B6) isible on Aerial I s (B2) (Nonriver c (B3) (Nonriver c (B4) (	ine) inriverine) imagery (B7 fes ( ) fes ( ) fes ( ) fes ( ) fine) fine	Salt Bioti Aqu Hyd Oxic Pres Rec Othe No De No De onitoring well,	ic Crust (B12) atic Invertebrat rogen Sulfide C dized Rhizosph sence of Reduce ent Iron Reducer (Explain in Reducer (Explain in Reducer (Explain in Reducer) pth (inches): pth (inches): aerial photos, p	odor (C1) eres along ced Iron (C tion in Plo emarks)	4) wed Soils  Wetspections)	oots (C3) [[C6] [[	econdary Ind Water Mar Sediment Drift Depo Drainage I Dry-Seaso Thin Muck Crayfish B Saturation Shallow A FAC-Neut	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7) Burrows (C8) I Visible on Aerial Imagery (C9 quitard (D3) ral Test (D5)
Depth (inches) Remarks:  YDROLOGY Wetland Hydrolo Primary Indicator Surface Wate High Water T Saturation (A Water Marks Sediment De Drift Deposite Surface Soil Inundation V Water-Staine Field Observatio Surface Water Pr Water Table Pres Saturation Prese (includes capillar) Describe Record	ogy Indicators: s (any one indice er (A1) Table (A2) A3) In place (B1) (Nonriver eposits (B2) (No s (B3) (Nonriver Cracks (B6) Tisible on Aerial I ed Leaves (B9) ons: resent? y y fringe)	ine) inriverine) imagery (B7 fes ( ) fes ( ) fes ( ) fes ( ) fine) fine	Salt Bioti Aqu Hyd Oxic Pres Rec Othe No De No De onitoring well,	ic Crust (B12) atic Invertebrat rogen Sulfide C dized Rhizosph sence of Reduce ent Iron Reducer (Explain in Reducer (Explain in Reducer (Explain in Reducer) pth (inches): pth (inches): aerial photos, p	odor (C1) eres along ced Iron (C tion in Plo emarks)	4) wed Soils  Wetspections)	oots (C3) [[C6] [[	econdary Ind Water Mar Sediment Drift Depo Drainage I Dry-Seaso Thin Muck Crayfish B Saturation Shallow A FAC-Neut	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7) Burrows (C8) I Visible on Aerial Imagery (C9 quitard (D3) ral Test (D5)

Are climatic / hydrologic conditions on the site typical for this time of year? Yes \ No \ (If no Are Vegetation	Sampling Date:
Investigator(s): T. Mahony A. Archy Landform (hillslope, terrace, etc.): farmed freto Local relief (concave, convex, none Subregion (LRR): C Mediterranean California Lat: 37° 59′ 1.6″ Long: /2 Soil Map Unit Name: Ry 04 Clay Loam, 0-1′ 5 [ape] Are climatic / hydrologic conditions on the site typical for this time of year? Yes \( \) No \( \) (If no Are Vegetation \( \) Soil or Hydrology significantly disturbed? Are "Normal Circa Are Vegetation \( \) Soil or Hydrology naturally problematic? (If needed, explai SUMMARY OF FINDINGS - Attach site map showing sampling point locations, in Hydrophytic Vegetation Present? Yes \( \) No \( \) is the Sampled Area within a Wetland Hydrology Present? Yes \( \) No \( \) within a Wetland?  Remarks:  Croplano , cultivated with Curf Lover.  VEGETATION  Tree Stratum (Use scientific names.) Absolute Dominant Indicator Species? Status  1. \( \) Total Cover: \( \) %  Sapling/Shrub Stratum  Total Cover: \( \) %  Total Stratum  Total Cover: \( \) %  Herb Stratum  Total Cover: \( \) %  Hydrophytic Stratum  Total Cover: \( \) %  Total Cover: \( \) %  Hydrophytic Stratum  Total Cover: \( \) %	- 4
Landform (hillslope, terrace, etc.): Farmed Felo Local relief (concave, convex, none Subregion (LRR):C - Mediterranean California Lat: 37° 59′ 1.6″ Long: /2 Soil Map Unit Name: Ry QQ Clay Loam, Q - 2° 1.5 Sope Are climatic / hydrologic conditions on the site typical for this time of year? Yes \( \) No \( \) (If no Are Vegetation \( \) Soil \( \) or Hydrology \( \) significantly disturbed? Are "Normal Circa Are Vegetation \( \) Soil \( \) or Hydrology \( \) naturally problematic? (If needed, explain SUMMARY OF FINDINGS - Attach site map showing sampling point locations, 1940 Hydrology Present? Yes \( \) No \( \) Is the Sampled Area within a Wetland?  Remarks: \( \) Corpland, cultivated with Curf Lover.  VEGETATION  Tree Stratum (Use scientific names.) Absolute Dominant Indicator Within a Wetland?  Total Number of That Are O Total Number of That Are O Total Number of That Are O Total Species Action of The Sapling/Shrub Stratum  Total Cover: \( \) %  Total Cover: \( \) %  Herb Stratum  Total Cover: \( \) %  Total Stratum  Total Cover: \( \) %  Herb Stratum  Total Cover: \( \) %  Herb Stratum  Total Cover: \( \) %  Total Cover: \( \) %  Hydrophytic Stratum  Total Cover: \( \) %	
Subregion (LRR): C - Mediterranean California  Lat: 37 59 1.6 Long: 12 Soil Map Unit Name: Ry 02 Clay Loam, 0-2"   Sloped  Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circa Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain SUMMARY OF FINDINGS - Attach site map showing sampling point locations, is the Sampled Area within a Wetland?  Hydrophytic Vegetation Present? Yes No (If no Area Wetland Hydrology Present? Yes (If no Area Wetland Hy	N, R4E, sec 30
Soil Map Unit Name: Ry 04 Clary Loam, 0-26 Sepes  Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circa Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain SUMMARY OF FINDINGS - Attach site map showing sampling point locations, 1900 Hydrology Present? Yes No Is the Sampled Area within a Wetland?  Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland?  Remarks:  **Copland**, cultivated with Cumflower**  **VEGETATION**  Tree Stratum (Use scientific names.)  1.	): None Slope (%): 0-6
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circular Vegetation Soil or Hydrology naturally problematic? (If needed, explainate Vegetation Soil or Hydrology naturally problematic? (If needed, explainate Vegetation Present? Yes No Is the Sampled Area within a Wetland Hydrology Present? Yes No Is the Sampled Area within a Wetland? Wetland Hydrology Present? Yes No Wetland Hydrology Wetland Hydrology H	1° 34' 45.6" Datum: NAO 8
Absolute Organization (Use scientific names.)  Total Cover:  Sapling/Shrub Stratum  1. Sunflowor (unhvated) Meli annihus  Total Cover:  Sapling/Shrub Stratum  1. Sunflowor (unhvated) Meli annihus  Total Cover:  Sapling/Shrub Stratum  1. Sunflowor (unhvated) Meli annihus  Total Cover:  Sunflowor (unhvated) Meli annihus  Total Cover:  Total Cover:  Woody Vine Stratum  Total Cover:  Total Cover:  Total Cover:  Woody Vine Stratum  Total Cover:  Tot	NWI classification:
Soil   Or Hydrology   Significantly disturbed?   Are "Normal Circular Vegetation   Soil   Or Hydrology   naturally problematic? (If needed, explain the Vegetation   Soil   Or Hydrology   naturally problematic? (If needed, explain SUMMARY OF FINDINGS - Attach site map showing sampling point locations, such was problematic? (If needed, explain such was problematic?) (If needed, explain such was pr	explain in Remarks.)
Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain SUMMARY OF FINDINGS - Attach site map showing sampling point locations, if Hydrophytic Vegetation Present? Yes No Substitute Note of Hydrology Present? No Substitute Note of Hydrology Present? Yes No Substitute Note of Hydrology Present Note of Hydrology Present Note of Hydrology Present Note of Hydrolog	ımstances" present? Yes ( No (
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, in the sample of the sample	n any answers in Remarks.)
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Present?  Remarks:  Cropland; authvated with cunflower.  //EGETATION  Tree Stratum (Use scientific names.) 1.	
Hydric Soil Present?  Wetland Hydrology Present?  Wetland?  Wetland?  Wetland?  Wetland?  Wetland?  Wetland?  Wetland?  Wetland?  Wetland?  Dominant Indicator Species?  Status  Number of That Are Of	ransects, important features, etc.
Wetland Hydrology Present?  Remarks:  Croplano, cultivated with Cunflower.  Absolute Counflower.  Absolute Dominant Indicator Species? Status  Number of That Are O  Total Num! Species Ac  Sapling/Shrub Stratum  Total Cover:  3. 4.  Prevalence  2.  3.  4.  Prevalence  Total Cover:	
Remarks:  Croplano, cultivated with cumplower.  Tree Stratum (Use scientific names.)  1. 2. 3. 4. Sapling/Shrub Stratum  Total Cover:  3. 4. Percent of That Are O Total Prevalence Total 9  OBL species  FACW species  FACW species  FACW species  Total Cover:  Total Cover:  Total Cover:  Total Prevalence Total Prevalence Total Prevalence Total Prevalence Total Prevalence Total Cover:  Herb Stratum  Total Cover:  Total Cover:  Herb Stratum  Total Cover:  Total Cover:  Herb Stratum  Total Cover:  Total Cover:  Total Cover:  Herb Stratum  Total Cover:  Total Cov	Fig. 60 aldeology (Applicable to all Life
Croplano; cultivated with Cunflower.	Yes O No O
Absolute   Cover   C	(EA) obtain stopes (EB)
Tree Stratum (Use scientific names.)  Absolute % Cover Species? Status Number of That Are O  Total Numl Species Act  Sapling/Shrub Stratum  Total Cover: %  Percent of That Are O  Total Prevalence  Total 9  OBL specie  FACW species  FACW species  Total Cover: %  Herb Stratum  Total Cover: %  Hydrophyt  Total Cover: %  Total Cover: %  FACU species  FACU species  Total Cover: %  Hydrophyt  Dominant Indicator  Number of That Are O  Total Numl Species Act  Total Prevalence  Total Prevalence  Total Prevalence  Total Cover: %  Hydrophyt  Dominant Indicator  Number of That Are O  Total Numl Species Act  Total Prevalence  Total Prevalence  Total Prevalence  Total Cover: %  Hydrophyt  Dominant Indicator  Number of That Are O  Total Prevalence  Total Preval	
Tree Stratum (Use scientific names.)  Absolute % Cover Species? Status Number of That Are O  Total Numl Species Act  Sapling/Shrub Stratum  Total Cover: %  Total Cover: %  Percent of That Are O  Total 9  OBL species  FACW species  FACW species  FACU species  Total Cover: %  Herb Stratum  Total Cover: %  FACU species  Column To  Preval  Hydrophyt  Dominant  Number of That Are O  Total Preval  UPL species  Column To  Preval  Hydrophyt  Dominant  Number of That Are O  Total Preval  UPL species  Column To  Preval  Hydrophyt  Dominant  Number of That Are O  Total Preval  Hydrophyt  Dominant  Number of That Are O  Total Preval  Hydrophyt  data  Problet  Woody Vine Stratum	
Tree Stratum (Use scientific names.)  Absolute % Cover Species? Status Number of That Are O  Total Numl Species Act  Sapling/Shrub Stratum  Total Cover: %  Percent of That Are O  Total Prevalence  Total 9  OBL specie  FACW species  FACW species  Total Cover: %  Herb Stratum  Total Cover: %  Hydrophyt  Total Cover: %  Total Cover: %  FACU species  FACU species  Total Cover: %  Hydrophyt  Dominant Indicator  Number of That Are O  Total Numl Species Act  Total Prevalence  Total Prevalence  Total Prevalence  Total Cover: %  Hydrophyt  Dominant Indicator  Number of That Are O  Total Numl Species Act  Total Prevalence  Total Prevalence  Total Prevalence  Total Cover: %  Hydrophyt  Dominant Indicator  Number of That Are O  Total Prevalence  Total Preval	A Committee Carry Bulletin Carry Bul
Tree Stratum (Use scientific names.) % Cover Species? Status Number of That Are O  2.	e Test worksheet:
That Are O  Total Num Species Ac  Percent of That Are O  Sapling/Shrub Stratum  1.	Dominant Species
Total Cover: %  Sapling/Shrub Stratum  1. Prevalence 2. Total 9  OBL species 4. FACW species 5. FAC species 1. Sunflower (cultivated) Helianthus annous 2. Total Cover: % Herb Stratum 1. Sunflower (cultivated) Helianthus annous 2. Total Cover: % Herb Stratum 1. Sunflower (cultivated) Helianthus annous 2. Man futur Strumantum 1. Fact 3. Hydrophyt 5. Domin 6. Preval 7. Morphe date Woody Vine Stratum	BL, FACW, or FAC: () (A)
Species Adelegated Stratum  Total Cover: %  Sapling/Shrub Stratum  Total Cover: %  Prevalence Total 9  OBL species FACW species FACU sp	per of Dominant
Total Cover: %  Sapling/Shrub Stratum  1. Prevalence 2. Total 9 3. OBL specie 4. FACW specie 5. FAC specie FACU specie 1. Sunflower (cultivated) Helianthus 90 y FAC 2. Xanthium Strumantm 10 3. Hydrophyte 5. Hydrophyte 5. Hydrophyte 6. Prevalence 1. Sunflower (cultivated) Helianthus 90 y FAC 2. Xanthium Strumantm 10 y FAC 3. Hydrophyte 5. Hydrophyte 5. Hydrophyte 6. Prevalence 6. Prevalence 6. Hydrophyte 6. Prevalence 6.	ross All Strata: () (B)
Total Cover: %  That Are O  Prevalence  Total 9  OBL specie  FACW specie  FAC specie  FAC specie  Total Cover: %  Herb Stratum  Hydrophyte  Total Cover: %  Total Cover: %  Total Cover: %  FACT  Total Cover: %  FACT  Total Cover: %  FACT  Total Cover: %  Prevalence  FACW specie  FACT  Column To  FACT  Total Cover: %  Hydrophyte  data  Total Cover: %	Dominant Species
Total Cover:    Prevalence   Total 9   OBL species	BL, FACW, or FAC: 0 % (A/B)
2. 3. 4. 5. Total Cover:  Herb Stratum  1. Sunflower (cultivated) Helianthus  2. Xanthium Strumanium  3. Hydrophyt  5. Hydrophyt  5. Domin  6. Total Cover:  Moody Vine Stratum  Total Cover:  7.	Index worksheet:
3. 4. 5. FACW species FAC species FACU species FACU species FACU species FACU species FACU species Column To  2. Xanthium Strumanium J. FACT FACU Species Column To  Preval  4.  Hydrophyt 5.  6.  Preval  Morpho data  Woody Vine Stratum  Total Cover: %  FACU species Column To  Preval  Morpho data  Proble  Proble	6 Cover of: Multiply by:
5.  Herb Stratum  1. Sunflower (cultivated) Helianthus 90 y FAC  2. Xanthium Strumanium 10 Fact  4. Hydrophyt  5. Domin.  6. Preval.  7. Morphyt  8. Total Cover: %6  Woody Vine Stratum	
FAC species  FAC species  FACU species  1. Sunflower (cultivated) Helianthus 90 y FAC  2. Xanthium Strumanium 10 FACT  3. Hydrophyth  5. Domin.  6. Prevale  7. 8. Total Cover: %  Woody Vine Stratum	
Herb Stratum  1. Sunflower (cultivated) Helianthus 90 y FAC  2. Xanthium Strumanium 10 FACT  3. Hydrophyt  5. Domin.  6. Preval.  7. Morphyt  8. Total Cover: %	
1. Sunflower (cultivated) Helianthus annua 90 y FAC Column To 2. Xanthium Strumanium 10 FACT  1. Sunflower (cultivated) Helianthus annua 90 y FAC Column To  2. Xanthium Strumanium 10 FACT  1. Hydrophyt  2. Domin.  3. Prevale  6. Domin.  6. Prevale  7. Morphe data  Woody Vine Stratum	
Column To  2. Xanthium Strumanium  3. Hydrophyt  5. Domin.  6. Preval.  7. Morphe  data  Woody Vine Stratum  Column To  FACT  FACT  Preval.  Domin.  Preval.	
Preval  Total Cover: %  Preval  Morphy  Total Cover: %  Preval  Preval  Preval  Preval  Preval  Preval  Preval  Preval  Preval  Proble	
4. Hydrophyt 5. Domin 6. Preval 7. Morph data 8. Total Cover: %	
5.	lence Index = B/A =
6.	ic Vegetation Indicators:
7. Morphe data Woody Vine Stratum  Total Cover: %	ance Test is >50% ence Index is ≤3.0 <sup>1</sup>
8 data Woody Vine Stratum Total Cover: %	plogical Adaptations <sup>1</sup> (Provide supporting
Woody Vine Stratum	in Remarks or on a separate sheet)
Woody Vine Stratum	matic Hydrophytic Vegetation <sup>1</sup> (Explain)
	of hydric soil and wetland hydrology must
2. be present	Describe Recorded Data (screen gauge 1
Total Cover: % Hydrophyt	
% Bare Ground in Herb Stratum	Yes No No
Remarks:	NO

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	u	1	

Sampling Point: 2B

Sand, Sar
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Project/Site: 2 Gates, Old Rover City/County: Baco	n Is San Joa Quin Sampling Date: 3 1 68
Applicant/Owner: Contra Costa Water District	State: CA Sampling Point: 3 A
Investigator(s): T. Mahony, A. Richen. Section, Township, Ra	nge: 72N, R4E, sec 30
Landform (hillslope, terrace, etc.): Local relief (concave,	convex, none): Concave Slope (%): 0-2
Subregion (LRR): C - Mediterranean California Lat: 37° 59' 14. 2"	Long: 121° 34.'43" Datum: NA083
Soil Map Unit Name: RyD2 Lay Loam, 0-206 slopes	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No	(If no, explain in Remarks.)
Are Vegetation Soil or Hydrology significantly disturbed?	'Normal Circumstances" present? Yes No
Are Vegetation Soil or Hydrology naturally problematic? (If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Foot Textures - City, Sifty City, Sandy Clay, Lazin, Sand
Hydric Soil Present? Yes No Is the Sampled	I Area
Wetland Hydrology Present? Yes Wes No Within a Wetlan	
Remarks: entire area has been disked, lu	hely rueves regular
Ariking There also appears to be some	
in alian. Post is located on W and	of ditch between ditch fle
VEGETATION (17) expressions (1) expressions (1	T Depleted Sciow Dark Surfect (A11)
Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Use scientific names.) % Cover Species? Status	Number of Dominant Species
1.	That Are OBL, FACW, or FAC:
2	Total Number of Dominant
3.	Species Across All Strata: (B)
Total Cover: %	Percent of Dominant Species
Sapling/Shrub Stratum	That Are OBL, FACW, or FAC: 10 0 % (A/B)
1. —	Prevalence Index worksheet:
2	Total % Cover of: Multiply by:
3	OBL species
4. (************************************	FAC species x 3 = 0
Total Cover: %	FACU species x 4 = 0
Herb Stratum	UPL species x 5 = 0
1. Polyamum amphibum 60 y OBL	Column Totals: (A) (B)
2.	Prevalence Index = B/A =
3. (63) awould hanvest Time United Italian Surrows (C6)	Hydrophytic Vegetation Indicators:
4.0) yagami laha ne alalah valak (28) Saturalian Valak na Aaral Imagani (28)	Dominance Test is >50%
5. (CO) to a Cup a seed and (CO) to a Cup	Prevalence Index is ≤3.0¹
7.	Morphological Adaptations <sup>1</sup> (Provide supporting
8. (astrony does	data in Remarks or on a separate sheet)
Total Cover:	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. O all The series you have breaked and the series are the series and the series are the series	be present.
2. educava il janoilo egant ausivais jautents lahes	be present.
Z. Total Cover: %	be present.  Hydrophytic Vegetation
2. Total Cover: %  % Bare Ground in Herb Stratum 40 % % Cover of Biotic Crust	be present.  Hydrophytic
Z. Total Cover: %	be present.  Hydrophytic Vegetation
2. Total Cover: %  % Bare Ground in Herb Stratum 40 % % Cover of Biotic Crust	be present.  Hydrophytic Vegetation
2. Total Cover: %  % Bare Ground in Herb Stratum 40 % % Cover of Biotic Crust	be present.  Hydrophytic Vegetation

Sampling Point: 3A

Depth	Matrix	0/		Features T	ype <sup>1</sup> Loc <sup>2</sup>	Texture	3	Remarks
nches)	Color (moist)		Color (moist)	<u>%</u> T	ype Loc	0	0	
0-16	104/2/1	95	109145/6	5	<u>C</u> ///	- clai	Coam	est of a PFI * We (a Policie tree
19 (46) #	gold - way wa	- (ar	ion xerror aven	tool jake Iko	61			ne energy pasialist modes
SEVY B	mulad V E Salum	21154	Vapao i Masi	LACTED S	CE dal	2000	tila Diagramo	120 ti Approxid
	moliso				966-18	<u> </u>	413 40	y intellent makk
	/ discount	al majorova s			Camera La servicio			pomotomos. Alianem, esperienciari la mitarrillo e
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266	Present Vinearia	Esphalanu.	miU lemnoMT eve	Fig. 8 State	art yan kearaar	3 N3 VIS	alteratives an	Service Control of the Control of th
	Lements Raines	Warts one ob	doxe babean 18	College 1	ed na vilstato	1 1 1 vo	akuledi v	Land Land Market
in partie	estrenami e	descript.	Santana A. Lak			-claim obtain		SANGER TO TRANSMI
Type: C=C	oncentration, D=Dep	oletion, RM=F	Reduced Matrix.	<sup>2</sup> Location: P	L=Pore Lining	RC=Root Ch	annel, M=Mat	rix.
					y Loam, Clay L	oam, Silty Cla	y Loam, Sill L	oam, Silt, Loamy Sand, Sannatic Hydric Soils:
	ndicators: (Applicab	le to all LRR					m Muck (A9)	
Histosol			Sandy Redo	the state of the s			m Muck (A3) (	
	pipedon (A2)		Stripped M	cky Mineral (F	=1)		duced Vertic (	
	istic (A3) en Sulfide (A4)			yed Matrix (F			d Parent Mate	
	d Layers (A5) (LRR	C)	Depleted M			Otl	her (Explain in	Remarks)
	uck (A9) (LRR D)			k Surface (F6	5)			
	d Below Dark Surface	e (A11)		ark Surface (				
	ark Surface (A12)		Redox Dep	ressions (F8)	)			
	Mucky Mineral (S1)		Vernal Poo	ols (F9)				hytic vegetation and
Sandy (	Gleyed Matrix (S4)					wet	and hydrology	must be present.
Restrictive	Layer (if present):				-			
T								
Type:	77.50							/
Type: Depth (in Remarks:	nches): - Redex feat	ures d	ippault /	to dist	Hingmist		Soil Present?	
Depth (in Remarks:	Redox feat	ures d	ippault /	to dist	tinguist			
Depth (in Remarks:	Redox feat	eve kebni sa N Cover or	'ypault /	to dist	Linguist	r due	to very	dark matrix
Depth (in Remarks: YDROLO Wetland Hy	Redex feat	ce index wo	Prevelence (SE) (SE) (SE) (SE) (SE)	to dist	tinguist	r due	to very	
Depth (in Remarks: YDROLO Wetland Hy Primary Indi	DGY vdrology Indicators icators (any one indicators	ce index wo	sient)		Hinguisl	r due	econdary India	cators (2 or more required) cs (B1) (Riverine)
Depth (in Remarks: YDROLO Wetland Hy Primary Indi	DGY  vdrology Indicators icators (any one indicators was a Water (A1)	ce index wo	cient)	t (B11)	tinguist	r due	econdary Indic Water Mark	cators (2 or more required) cs (B1) (Riverine) Deposits (B2) (Riverine)
Depth (in Remarks: YDROLO Wetland Hy Primary Indi Surface High W	DGY  rdrology Indicators icators (any one indicators a Water (A1) fater Table (A2)	ce index wo	cient) Salt Crus Biotic Cru	t (B11) ust (B12)		r due	econdary India Water Mark Sediment D Drift Depos	cators (2 or more required) as (B1) (Riverine) Deposits (B2) (Riverine) dits (B3) (Riverine)
Depth (in Remarks: YDROLC Wetland Hy Primary Indi Surface High W	DCGY  Adrology Indicators icators (any one indicators (A1) Advanced (A2) ion (A3)	: cator is suffic	sient) Salt Crus Biotic Cru Aquatic II	t (B11) ust (B12) nvertebrates (	(B13)	r due	econdary Indic  Water Mark  Sediment D  Drift Depos  Drainage P	cators (2 or more required) (s (B1) (Riverine) (Deposits (B2) (Riverine) (dits (B3) (Riverine) (datterns (B10)
Depth (in Remarks:  YDROLC  Wetland Hy Primary Indi  Surface  High W Saturat  Water I	Dedox feat  OGY  Adrology Indicators icators (any one indicators (A1) Auter (A1) Auter Table (A2) Autor (A3)  Marks (B1) (Nonrive	cator is suffic	Salt Crus    Salt Crus   Biotic Cru   Aquatic II	t (B11) ust (B12) nvertebrates (	(B13) r (C1)	s E	econdary Indic Water Mark Sediment D Drift Depos Drainage P Dry-Season	cators (2 or more required) (ss (B1) (Riverine) (Deposits (B2) (Riverine) (datterns (B10) (n) Water Table (C2)
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Project/Site: 2 Gates, Old Liver City/County Applicant/Owner: Contra Costa Water District	y: Bacon	State: CA Sampling Point: 3 K
Coction T	ownship, Rar	nge: T2N, R4E, cer 30
Ti Manaraj A Tabas		
Sugar Tuck	•	convex, none): Slight convexSlope (%): 0 - 1
subregion (LRR): C - Mediterranean California Lat: 37 59	14.2"	Long: 121, 34, 43, Datum: NAO8
oil Map Unit Name: RyDE CLAY LOAM 0-2%		NWI classification:
are climatic / hydrologic conditions on the site typical for this time of year? Yes	No C	(If no, explain in Remarks.)
re Vegetation Soil or Hydrology significantly disturbed?	Are "	'Normal Circumstances" present? Yes O No O
re Vegetation Soil or Hydrology naturally problematic?		eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling	ng point ic	ocations, transects, important reatures, etc.
Hydrophytic Vegetation Present? Yes No W		Rydric Soil indicators, 44 colicable to all LRRs, entess of
	he Sampled	1216 Z. (1-1) 1. (1-1
Wetland Hydrology Present? Yes No Wit	hin a Wetlar	nd? Yes ( No (
The state of the s	my Glassed Military Metad Maltin Los Dads Sud	Hydrogen Suffide (A4)  Stretched (ayers (A5) (LRR C)  1 on lawer (AS) 0 SB III
/EGETATION	S MINU DESER	The past of the California of
Tree Stratum (Use scientific names.)  Absolute Dominant % Cover Species?	t Indicator Status	Dominance Test worksheet:  Number of Dominant Species
Install ad laum ypolotoyn onstaw		That Are OBL, FACW, or FAC: 6 (A)
2.		Total Number of Dominant
3. Services Supply Street Stre		Species Across All Strata: 2 0 (B)
4.		Percent of Dominant Species
Total Cover: %		That Are OBL, FACW, or FAC: 50 % (A/B)
Sapling/Shrub Stratum		Prevalence Index worksheet:
1.		Total % Cover of: Multiply by:
2.		OBL species x 1 = ()
4.		FACW species x 2 = 0
5.		FAC species 15 x 3 = 45 0
Total Cover: %	T TEAT HOW I'VE OF	FACU species x 4 = 0
Herb Stratum		UPL species XD x 5 = 400
1. Comodon dactiflon 15 4	FAC	Column Totals: 95 (A) 4450 (B)
2. Darhanus Stetina thatch y	NL	
3. Polisavnum amphibilism 5	OBL	Prevalence Index = B/A = 4,68
4.0 vap Israe on Asida (OS) Sausson Visiba on Asida in hotout	e Sintril Insor	Hydrophytic Vegetation Indicators:
5. (ES) brefugA wellend TI shamshin	nigles (Exalgin	Dominance Test is >50%
6. (CO) ReT1stheW-QAR FT		Prevalence Index is ≤3.0¹
7		Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
8.	action), dige	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Total Cover: %		Worst Table Present? You ( No ( )
1. SM SAY Street Street Typology H boallery		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2. previous inspections), it is valiable:	oloda karea	be present.
Total Cover: %		Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover of Biotic Crust	%	Present? Yes No (V
Remarks: Thatch of dished regitation is	2 ~80%	lo cover.

-	-	
٠.	<i>(</i> )	

Sampling Point: 38

rofile Description: (Describe to the depth Depth Matrix	Redox Features			
nches) Color (moist) %	Color (moist) % Type 1	Loc <sup>2</sup> Textu	ure <sup>3</sup>	Remarks
0-16 10 483/2 100	Section James Process	- loo	em	A Transaction of the Contract
0 10 10 11 21				
7 (9) 9 day (6) 7 PO 2 2 7 7 1 (8)	ton xevinon evisonooyisher labelt		Spring Spring	
Selection Denomination of the Community	(1. pp. 1. (1. P.) (1. Pp. 1. Pp. 2.	<u> </u>		and the A. C. C. O. G. C. Andrews
notised again WVV				Secretary Secretary Secretary
			1 1 2 2 4	
Lanage of the state of the stat	MR. T. JOH JOHN MAN TO	emil sun los dour		
Ourcelances present? Yes ( No (	santiv disturbad? Are "Normal Circ	official Section	usukoshies in	N. 9 and N. S. Standardschiller
	slaxs betrean till - Coltematidata vä	equipe 1	vaniminal va	The Thirty
Type: C=Concentration, D=Depletion, RM=I	Reduced Matrix. <sup>2</sup> Location: PL=Pore	Lining, RC=Root	Channel, M=N	Matrix.
Soil Textures: Clay, Silty Clay, Sandy Clay,	Loam, Sandy Clay Loam, Sandy Loam,	Clay Loam, Silty	Clay Loam, S	ilt Loam, Silt, Loamy Sand, San
ydric Soil Indicators: (Applicable to all LRR		Indic	ators for Prob	olematic Hydric Soils:
Histosol (A1)	Sandy Redox (S5)		1 cm Muck (A	
Histic Epipedon (A2)	Stripped Matrix (S6)	NAME OF STREET	2 cm Muck (A	
Black Histic (A3)	Loamy Mucky Mineral (F1)		Reduced Veri	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)		Red Parent M	
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)			n in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)			
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)			
Thick Dark Surface (A12)	Redox Depressions (F8)			
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	<sup>4</sup> Indi	icators of hydi	rophytic vegetation and
Sandy Gleyed Matrix (S4)		V	vetland hydrol	ogy must be present.
estrictive Layer (if present):				
terminant to the control				
Type:	nus israi j	Hydr	ic Soil Prese	nt? Yes No
Depth (inches):	048 Ero1	Hydr	ic Soil Prese	nt? Yes No
Depth (inches):	0 1886184	Hydr	ic Soil Prese	nt? Yes No
Depth (inches):	0 tocas9 enA 3557	Hydr	ic Soil Prese	nt? Yes No No
Depth (inches):	O toccost enAlso?	Hydr	ic Soil Prese	nt? Yes No No
Depth (inches): emarks:	Percent Cope Track Are Tra	Hydr	ic Soil Prese	nt? Yes No
Depth (inches): emarks:	O Policia (Company Company Com	Hydr		mundê sinadig Ras
Depth (inches): demarks:  YDROLOGY	O Price of State of S	Hydr	Secondary I	ndicators (2 or more required)
Depth (inches):  Remarks:  YDROLOGY  Vetland Hydrology Indicators:	cient)	Hydr	Secondary I	mundê sinadig Ras
Depth (inches):  demarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is suffic		Hydr	Secondary I	ndicators (2 or more required)
Depth (inches): emarks:  /DROLOGY Vetland Hydrology Indicators: brimary Indicators (any one indicator is suffice Surface Water (A1)	Salt Crust (B11)	Hydr	Secondary II  Water N  Sedime	ndicators (2 or more required) farks (B1) (Riverine)
Depth (inches):  demarks:  POROLOGY  Vetland Hydrology Indicators:  drimary Indicators (any one indicator is suffice  Surface Water (A1)  High Water Table (A2)	Salt Crust (B11) Biotic Crust (B12)	Hydr	Secondary II  Water M Sedime Drift De	ndicators (2 or more required)  Marks (B1) (Riverine)  nt Deposits (B2) (Riverine)
Depth (inches):  Permarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficed by the	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Hydr	Secondary II  Water M Sedime Drift De Drainag	ndicators (2 or more required) larks (B1) (Riverine) nt Deposits (B2) (Riverine) posits (B3) (Riverine) e Patterns (B10)
Depth (inches):  Primary Indicators (any one indicator is sufficed by the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Teisi Cover 505	Secondary II  Water M Sedime Drift De Drainag Dry-Sea	ndicators (2 or more required)  larks (B1) (Riverine)  nt Deposits (B2) (Riverine)  posits (B3) (Riverine)  e Patterns (B10)  son Water Table (C2)
Depth (inches):  Remarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficed by the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L	Living Roots (C3)	Secondary II  Water M Sedime Drift De Drainag Dry-Sea Thin Mu	ndicators (2 or more required) flarks (B1) (Riverine) int Deposits (B2) (Riverine) posits (B3) (Riverine) e Patterns (B10) ison Water Table (C2) ick Surface (C7)
Depth (inches):  Remarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficed by the 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 L Presence of Reduced Iron (C4)	Living Roots (C3)	Secondary II  Water M Sedimer Drift Der Drainag Dry-Sea Thin Mu Crayfish	ndicators (2 or more required)  larks (B1) (Riverine)  nt Deposits (B2) (Riverine)  posits (B3) (Riverine)  e Patterns (B10)  ason Water Table (C2)  ack Surface (C7)  a Burrows (C8)
Depth (inches):  Remarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficed by 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)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Plower	Living Roots (C3)	Secondary II  Water M Sedime Drift De Drainag Dry-Sea Thin Mu Crayfish Saturati	ndicators (2 or more required)  flarks (B1) (Riverine)  nt Deposits (B2) (Riverine)  posits (B3) (Riverine)  e Patterns (B10)  ison Water Table (C2)  ick Surface (C7)  in Burrows (C8)  on Visible on Aerial Imagery (C8)
Depth (inches):  demarks:  Primary Indicators (any one indicator is sufficed for inches):  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)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Plower	Living Roots (C3)	Secondary II  Water M Sedime Drift De Drainag Dry-Sea Thin Mu Crayfish Saturati Shallow	ndicators (2 or more required)  larks (B1) (Riverine)  nt Deposits (B2) (Riverine)  posits (B3) (Riverine)  e Patterns (B10)  ason Water Table (C2)  ack Surface (C7)  a Burrows (C8)  on Visible on Aerial Imagery (C8)  r Aquitard (D3)
Depth (inches):  Remarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficed for the	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Plower	Living Roots (C3)	Secondary II  Water M Sedime Drift De Drainag Dry-Sea Thin Mu Crayfish Saturati Shallow	ndicators (2 or more required)  flarks (B1) (Riverine)  nt Deposits (B2) (Riverine)  posits (B3) (Riverine)  e Patterns (B10)  ison Water Table (C2)  ick Surface (C7)  in Burrows (C8)  on Visible on Aerial Imagery (C8)
Depth (inches):  Remarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficed for the	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Plower	Living Roots (C3)	Secondary II  Water M Sedime Drift De Drainag Dry-Sea Thin Mu Crayfish Saturati Shallow	ndicators (2 or more required)  larks (B1) (Riverine)  nt Deposits (B2) (Riverine)  posits (B3) (Riverine)  e Patterns (B10)  ason Water Table (C2)  ack Surface (C7)  a Burrows (C8)  on Visible on Aerial Imagery (C8)  r Aquitard (D3)
Depth (inches):  Remarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficed by the s	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Plower	Living Roots (C3)	Secondary II  Water M Sedime Drift De Drainag Dry-Sea Thin Mu Crayfish Saturati Shallow	ndicators (2 or more required)  larks (B1) (Riverine)  nt Deposits (B2) (Riverine)  posits (B3) (Riverine)  e Patterns (B10)  ason Water Table (C2)  ack Surface (C7)  a Burrows (C8)  on Visible on Aerial Imagery (C8)  r Aquitard (D3)
Depth (inches):  Remarks:  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficed by 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)  Field Observations:  Surface Water Present?  Yes	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along L  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plower  Other (Explain in Remarks)	Living Roots (C3)	Secondary II  Water M Sedime Drift De Drainag Dry-Sea Thin Mu Crayfish Saturati Shallow	ndicators (2 or more required)  larks (B1) (Riverine)  nt Deposits (B2) (Riverine)  posits (B3) (Riverine)  e Patterns (B10)  ason Water Table (C2)  ack Surface (C7)  a Burrows (C8)  on Visible on Aerial Imagery (C8)  r Aquitard (D3)
Depth (inches):  Remarks:  Primary Indicators (any one indicator is suffice to 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)  Field Observations:  Surface Water Present?  Water Table Present?  Yes	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along I  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plow Other (Explain in Remarks)	Living Roots (C3) ) ed Soils (C6)	Secondary II  Water M Sedime Drift De Drainag Dry-Sea Thin Mu Crayfish Saturati Shallow FAC-Ne	Indicators (2 or more required)  Itarks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposits (B10) Int Deposits (B2) Int Deposits (B2) Int Surface (C7) Int Burrows (C8) Int Office (C9) Int Deposits (C9) Int Depo
Depth (inches):  Remarks:  Primary Indicators (any one indicator is suffice of the suffice of th	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along L  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plow  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):	Living Roots (C3) ) ed Soils (C6)  Wetland Hy	Secondary II  Water M Sedime Drift De Drainag Dry-Sea Thin Mu Crayfish Saturati Shallow FAC-Ne	Indicators (2 or more required)  Itarks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposits (B10) Int Deposits (B2) Int Deposits (B2) Int Surface (C7) Int Burrows (C8) Int Office (C9) Int Deposits (C9) Int Depo
Depth (inches):  Remarks:  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficed by the suffice by the sufficed by the su	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along L  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plow  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):	Living Roots (C3) ) ed Soils (C6)  Wetland Hy	Secondary II  Water M Sedime Drift De Drainag Dry-Sea Thin Mu Crayfish Saturati Shallow FAC-Ne	Indicators (2 or more required)  Itarks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposits (B10) Int Deposits (B2) Int Deposits (B2) Int Surface (C7) Int Burrows (C8) Int Office (C9) Int Deposits (C9) Int Depo
Depth (inches):  Remarks:  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficed by 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)  Field Observations:  Surface Water Present? Yes   Water Table Present? Yes   Saturation Present? Yes   S	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along L  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plow  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):	Living Roots (C3) ) ed Soils (C6)  Wetland Hy	Secondary II  Water M Sedime Drift De Drainag Dry-Sea Thin Mu Crayfish Saturati Shallow FAC-Ne	Indicators (2 or more required)  Itarks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposits (B10) Int Deposits (B2) Int Deposits (B2) Int Surface (C7) Int Burrows (C8) Int Office (C9) Int Deposits (C9) Int Depo
Depth (inches):  Remarks:  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficed by surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Drift Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  Water Table Present?  Yes  Saturation Present?  Yes  Saturation Present?  Yes  Cincludes capillary fringe)  Describe Recorded Data (stream gauge, mo	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along L  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plower  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):  Depth (inches):	Living Roots (C3) ) ed Soils (C6)  Wetland Hy pections), if availa	Secondary II  Water M Sedime Drift De Drainag Dry-Sea Thin Mu Crayfish Saturati Shallow FAC-Ne	Indicators (2 or more required)  Itarks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposits (B10) Int Deposits (B2) Int Deposits (B2) Int Surface (C7) Int Burrows (C8) Int Office (C9) Int Deposits (C9) Int Depo
Depth (inches):  Remarks:  Primary Indicators (any one indicator is suffice and suffice an	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along L  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plower  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):  Depth (inches):	Living Roots (C3) ) ed Soils (C6)  Wetland Hy pections), if availa	Secondary II  Water M Sedime Drift De Drainag Dry-Sea Thin Mu Crayfish Saturati Shallow FAC-Ne	Indicators (2 or more required)  Itarks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposits (B10) Int Deposits (B2) Int Deposits (B2) Int Surface (C7) Int Burrows (C8) Int Office (C9) Int Deposits (C9) Int Depo
Depth (inches):  Remarks:  Primary Indicators (any one indicator is suffice of the suffice of th	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along L  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plower  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):  Depth (inches):	Living Roots (C3) ) ed Soils (C6)  Wetland Hy pections), if availa	Secondary II  Water M Sedime Drift De Drainag Dry-Sea Thin Mu Crayfish Saturati Shallow FAC-Ne	Indicators (2 or more required)  Itarks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposits (B10) Int Deposits (B2) Int Deposits (B2) Int Surface (C7) Int Burrows (C8) Int Office (C9) Int Deposits (C9) Int Depo
Depth (inches):  Remarks:  Primary Indicators (any one indicator is suffice of the suffice of th	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along L  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plow  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):	Living Roots (C3) ) ed Soils (C6)  Wetland Hy pections), if availa	Secondary II  Water M Sedime Drift De Drainag Dry-Sea Thin Mu Crayfish Saturati Shallow FAC-Ne	Indicators (2 or more required)  Itarks (B1) (Riverine) Int Deposits (B2) (Riverine) Int Deposits (B3) (Riverine) Int Deposits (B10) Int Deposits (B10) Int Deposits (B2) Int Deposits (B2) Int Surface (C7) Int Burrows (C8) Int Office (C9) Int Deposits (C9) Int Depo

Project/Site: 2 gates-old River City/County: Baeor	ilst. s	ampling Date:	8/1/08
Applicant/Owner: Contra Costa Water Restrict	State: (A S	ampling Point:	4A
nvestigator(s): T. Mahony, A. Richey Section, Township, R.	ange: TON RY	E. Sec	
andform (hillslope, terrace, etc.): bowl, Might Local relief (concave		OL	ope (%): 0- 2
John Jangooc			um: NAD83
o i i i i i i i i i i i i i i i i i i i			um. 707 D8
oil Map Unit Name: RYDE CLAY Wall, 0-2% slopes	NWI classificat		
are climatic / hydrologic conditions on the site typical for this time of year? Yes No			
	"Normal Circumstances" pre		) No ()
Are Vegetation Soil or Hydrology naturally problematic? (If r	needed, explain any answers	in Remarks.)	
SUMMARY OF FINDINGS - Attach site map showing sampling point	locations, transects, i	mportant fe	eatures, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No Is the Sample within a Wetla	was a second	No C	
Remarks: fount located in dished field	mso_l Loenn Wegle	ic (A3) Sulfide (A4) Jayers (A5) (LE	Slack Histi Hydrogen Stratified L
/EGETATION (TS) southers at all post	she 9 33 slovO (11A) eash	<u>re sea a para v</u> u3 she0 wole5	Ceplated F
Absolute Dominant Indicator	Dominance Test worksh	neet:	entick steen (American Steen
Tree Stratum (Use scientific names.)	Number of Dominant Spe That Are OBL, FACW, or		(A)
2.	- Illat Ale OBL, I ACVV, OI	192000 10 10	(A)
3.	Total Number of Dominar Species Across All Strata		(B)
4.	Percent of Dominant Spe		Turn BoaG
Total Cover: %	That Are OBL, FACW, or		0 % (A/B)
Sapling/Shrub Stratum  1.	Prevalence Index works	heet:	
2.	Total % Cover of:		ply by:
3.	OBL species	x 1 =	0
4.	FACW species	x 2 =	0
5.	FAC species	x 3 =	0
Total Cover: %	FACU species	x 4 =	0
Herb Stratum	UPL species	x 5 =	0
1. Polygonum amphibilism 30 y OBI	Column Totals:	(A)	0 (B)
2. 10 .	Prevalence Index =	: R/A =	
3. (SO) Section Statem Of Land 1980 (SO) and South Statement In Addition Control of the Addition of the Additi	Hydrophytic Vegetation	and the second second	
5.	Dominance Test is >		
6. (EG) Installed weller(2) is the most of design (1) is	Prevalence Index is :		
7.	Morphological Adapt	ations <sup>1</sup> (Provid	e supporting
8.	data in Remarks	or on a separat	te sheet)
Total Cover:	Problematic Hydroph	ytic Vegetation	n¹ (Explain)
Woody Vine Stratum	1.	1 APREST	and matternant
1. Watland Hydrology Pracent? Yes	<sup>1</sup> Indicators of hydric soil be present.	and wetland h	nydrology must
2. didebive ir (anolityscar) aucivori; periodij lenen	. Pyv. Exhibiting to abuse mes	ida) edaO bebii	Tiescribe Repo
Total Cover: %  % Bare Ground in Herb Stratum 30 % % Cover of Biotic Crust %	Hydrophytic Vegetation Present? Yes	No (	Remails
Demodule			
20% thatch from disking.			
ICA C. CE.		######################################	suffers factor Sc

COIL

Sampling Point: 4A

Profile Desc Depth	Matrix			x Features			Y SAME		Tall to a language
inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture <sup>3</sup>		Remarks
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Type: C=Co	oncentration, D=Dep	letion, RM=Re						nnel, M=Matr	
					ndy Loan	i, Clay Loai	III, Silly Clay	LOGITI, OIL L	oam, Silt, Loamy Sand, San natic Hydric Soils:
	ndicators: (Applicable	le to all LRRs,						n Muck (A9) (	
Histosol			Sandy Redo	THE RESERVE AND THE RESERVE AN	1.			n Muck (A10)	
	oipedon (A2)		Loamy Muc		I (F1)			uced Vertic (	
	stic (A3) en Sulfide (A4)		Loamy Gle					Parent Mate	
	d Layers (A5) (LRR (	3)	Depleted M		(12)			er (Explain in	
	uck (A9) (LRR D)	,	Redox Dar		(F6)				
	d Below Dark Surface	e (A11)	Depleted D		,				
	ark Surface (A12)	- ( ,	Redox Dep						
	Mucky Mineral (S1)		Vernal Poo	ls (F9)			4Indicato	rs of hydroph	nytic vegetation and
	Gleyed Matrix (S4)						wetla	nd hydrology	must be present.
Restrictive	Layer (if present):								
Type:									and the same of th
Type:	ches):	root la vedou	Total No.				Hydric S	oil Present?	Yes ( No (
Depth (in	ches):	med to reding	That Au			1890 119V.S	Hydric S	oil Present?	Yes No No
Depth (in Remarks:	39/1648 363-163 39/2/14	med to redmi	Toest Name Special Parcett That Au Parcett Parcett		-10	197.3	Hydric S	oil Present?	Yes No No
Depth (in Remarks:	GY	meramod to WDAT, 1500 c w xabni con	Parties T See See See See See See See See See S			107.5	O feto T		mutanis de que s'éclique
Depth (in Remarks: YDROLO Wetland Hy	GY drology Indicators:		MATERIAL PROPERTY OF THE PROPE		-8	107.5	O feto T	condary Indic	ators (2 or more required)
Depth (in Remarks: YDROLO Wetland Hy Primary India	oGY drology Indicators: cators (any one indic		3 122 1			197.5	O feto T	condary Indic Water Mark	ators (2 or more required) s (B1) (Riverine)
Depth (in Remarks:  YDROLO Wetland Hy Primary Indic	drology Indicators: cators (any one indic Water (A1)		Salt Crus		=8	197.5	O feto T	condary Indic Water Mark Sediment D	ators (2 or more required) s (B1) (Riverine) eposits (B2) (Riverine)
Depth (in Remarks:  YDROLO Wetland Hy Primary India Surface High Wa	drology Indicators: cators (any one indic Water (A1) ater Table (A2)		Salt Crus Biotic Cru	ıst (B12)	(210)	107.5	O feto T	condary Indic Water Mark Sediment D Drift Deposi	ators (2 or more required) s (B1) (Riverine) eposits (B2) (Riverine) ts (B3) (Riverine)
Depth (in Remarks:  YDROLO Wetland Hy Primary India Surface High Wa Saturati	drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3)	ator is sufficie	Salt Crus Biotic Cru Aquatic Ir	ust (B12) nvertebrate		100.5	O feto T	condary Indic Water Mark Sediment D Drift Deposi Drainage Pa	ators (2 or more required) s (B1) (Riverine) eposits (B2) (Riverine) tts (B3) (Riverine) atterns (B10)
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Depth (in Remarks:  YDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedime Drift De	drology Indicators: cators (any one indicators) Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriver nt Deposits (B2) (No posits (B3) (Nonriver)	ator is sufficie ine) nriverine)	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence	ust (B12) nvertebrate n Sulfide O Rhizosphe e of Reduce	odor (C1) eres along ed Iron (C	4)	Sec	condary Indic Water Mark Sediment D Drift Deposi Drainage Pa Dry-Season Thin Muck S Crayfish Bu	ators (2 or more required) s (B1) (Riverine) eposits (B2) (Riverine) tts (B3) (Riverine) atterns (B10) i Water Table (C2) Surface (C7) rrows (C8)
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Project/Site: 2 gates - Old River City/County: Baco	M Sampling Date: 8 1/08
Applicant/Owner: Contra Costa Water District	State: CA Sampling Point:
nvestigator(s): T. Mahany, A. Richey Section, Township, Ra	ange: 72N, R4E, Sec. 30
andform (hillslope, terrace, etc.): Local relief (concave,	, convex, none): Ame/Convex Slope (%): 0-2
Subregion (LRR): C - Mediterranean California Lat: 37° 59′ 15″	Long: 1210 34' 42" Datum: NAD 8
The distribution of the di	NWI classification:
soil Map Unit Name:	
No (No. 1)	e "Normal Circumstances" present? Yes No
Grinden Grinde	
	needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point l	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Soli Vasturke Cigy, Sity Ciry, Sandy Clay, Learn, Sandy
Hydric Soil Present? Yes No No Is the Sample	ed Area
Wetland Hydrology Present? Yes No W within a Wetla	and? Yes No (V
Remarks: Located in dished field	
WEGETATION.	m 99 n 94 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m
VEGETATION  Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Use scientific names.)  Absolute Dominant Indicator Species? Status	Number of Dominant Species
1. Instant of learn vg olombyd to naw.	That Are OBL, FACW, or FAC: () (A)
2.	Total Number of Dominant
3.	Species Across All Strata: 0 (B)
4.	Percent of Dominant Species
Total Cover: %	That Are OBL, FACW, or FAC: 0 % (A/B)
Sapling/Shrub Stratum  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 x 3 = 0
Total Cover: %	FACU species x 4 = 0
Herb Stratum	UPL species x 5 = 0
1. grass (see below) 20 y	Column Totals: (A) 0 (B)
3.	Prevalence Index = B/A =
4. (6.3) awonué daivano (7) (A.3) nosi kapuna 9 to pona 4	Hydrophytic Vegetation Indicators:
5. (83) she2 beyons in rectain 8 and the	Dominance Test is >50%
6. (200 Sept. Sept	Prevalence Index is ≤3.0¹
7.	Morphological Adaptations <sup>1</sup> (Provide supporting
8. sandom ata	data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Total Cover: %	Problematic Hydrophytic Vegetation (Explain)
Woody Vine Stratum	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1.\(\) OP ) self Stmassifi ypolosbyti basitsW (file	be present.
2. Total Cover: %	Hydrophytic
<b>N</b>	Vegetation Present? Yes No
	Lieselli: Les () MO ()
Remarks: dominant invasive - Bromus ingini	c-no flowers (?)
dominant invasive - Bromus inerini Windows in Hades, or possibly Festive	ca arundinaspa
The property for the	
US Among Compa of Engineers	CS Analy Coops of Egypteeds

inches)	Matrix		Redox Features		T 3	Damasila
	Color (moist)	1	olor (moist) % Type	Loc <sup>2</sup>	Texture <sup>3</sup>	Remarks
16	10 4R 2/1	100	Section Township, Range		loan	Total Committee
	soid Since					Cote automot remailles marita
	using N C Ly - L	200	man Will Ville West	-tal		
	The state of the s	and the state of				
	19201018	36863 19949			-	
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	These of the	Circumstarios	ismioti" atA Spadiumis y	algnifican	- [1] vasicabyl v	2 I Bail - EmpletoneVa
	(exhamph of allow	ans yes also	is believed if it needed is	viouden	Consumbate a	Company of the Compan
es annuels	etiactiones at	nantes or	talteral inter-authoris w	niunda go	en alia danti.	ANDRIGHT IN VALUE OF
	oncentration, D=Deple				=Root Channel, M	
				m, Clay Loam		Silt Loam, Silt, Loamy Sand, Sand
		to all LRRs, u	inless otherwise noted.)			oblematic Hydric Soils:
Histosol		T aby	Sandy Redox (S5) Stripped Matrix (S6)			(A9) (LRR C) (A10) (LRR B)
Black His	oipedon (A2)		Loamy Mucky Mineral (F1)		Reduced Ve	and the second s
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)			Material (TF2)
	Layers (A5) (LRR C)		Depleted Matrix (F3)			ain in Remarks)
	ck (A9) (LRR D)		Redox Dark Surface (F6)			
	Below Dark Surface	(A11)	Depleted Dark Surface (F7)			
	ark Surface (A12)	( )	Redox Depressions (F8)			
	lucky Mineral (S1)	MY DESCRIPTION	Vernal Pools (F9)		<sup>4</sup> Indicators of hy	drophytic vegetation and
_	sleyed Matrix (S4)	nammed to re			wetland hydr	ology must be present.
estrictive l	ayer (if present):					a produce program design and the control of the program of the production of
Type:	an emer					
Depth (inc	ahas):	2 HA	—aeqai		Hydric Soil Pres	ent? Yes No
	1		or or to the contract	Jona	en .	
			oils indicators	Jona	eni.	
/DROLO	GY	lence Index w	NAME OF THE PARTY	Jina	eni ·	apling/Strate Stratum
	GY drology Indicators:	ence Index v	8V8147	Jina		Indicators (2 or more required)
Vetland Hy	drology Indicators:	tor is sufficien	FIBVE DBL S FACON	Jina	Secondary	Indicators (2 or more required)  Marks (B1) (Riverine)
Vetland Hyd Primary Indic	drology Indicators: cators (any one indica	tor is sufficien	EURO (NOAR)	Jina	Secondary	Marks (B1) (Riverine)
Vetland Hydrimary Indic	drology Indicators: cators (any one indica Water (A1)	tor is sufficien	t) Salt Crust (B11)	Jina	Secondary  Water	Marks (B1) (Riverine) ent Deposits (B2) (Riverine)
/etland Hydrimary Indice  Surface  High Wa	drology Indicators: cators (any one indica Water (A1) tter Table (A2)	tor is sufficien	t) Salt Crust (B11) Biotic Crust (B12)	Jina	Secondary Water Sedim	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine)
Vetland Hyd Primary Indic Surface High Wa	drology Indicators: cators (any one indica Water (A1) uter Table (A2) on (A3)	eebaga padas padas	t)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	939 300	Secondary Water Sedim Drift D	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10)
Vetland Hyd Primary Indic Surface High Wa Saturation	drology Indicators: cators (any one indica Water (A1) tter Table (A2) on (A3) larks (B1) (Nonriverin	ne)	t) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)		Secondary Water Sedim Drift D Draina Dry-Se	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2)
Vetland Hydrimary Indic Surface High Wa Saturatic Water M	drology Indicators: cators (any one indica Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverint Deposits (B2) (Non	ne) riverine)	t) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor	ng Living Root	Secondary Water Sedim Drift D Draina Dry-Se ss (C3) Thin M	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7)
Vetland Hydrimary Indice Surface High Wa Saturatic Water M Sedimer Drift Dep	drology Indicators: cators (any one indical Water (A1) ater Table (A2) on (A3) larks (B1) (Nonrivering the Deposits (B2) (Nonrivering)	ne) riverine)	t)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron (	ng Living Root	Secondary Water Sedim Drift D Draina Dry-Se (C3) Thin M	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8)
Vetland Hydrimary Indice Surface High Wa Saturatic Water M Sedimer Drift Dep Surface	drology Indicators: cators (any one indical Water (A1) ater Table (A2) on (A3) larks (B1) (Nonrivering the Deposits (B2) (Non- posits (B3) (Nonrivering Soil Cracks (B6)	ne) riverine) ine)	t)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Pl	ng Living Root	Secondary Water Sedim Drift D Draina Dry-Se SS (C3) Thin M Crayfis Satura	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (CS
Vetland Hydrimary Indice Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundation	drology Indicators: cators (any one indicators) Water (A1) Ater Table (A2) On (A3) Iarks (B1) (Nonrivering the Deposits (B2) (Nonrivering to B1) (Nonrivering B2) (Nonrivering B3) (Nonrivering B3) (Nonrivering B3) (Nonrivering B4) On Visible on Aerial Indicators	ne) riverine) ine)	t)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron (	ng Living Root	Secondary Water Sedim Drift D Draina Dry-Se SS (C3) Thin M Crayfis Satura Shallo	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (CS w Aquitard (D3)
Vetland Hydrimary Indice Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundatic	drology Indicators: cators (any one indicators) Water (A1) Ater Table (A2) on (A3) larks (B1) (Nonrivering the Deposits (B2) (Nonrivering Soil Cracks (B6) on Visible on Aerial Intained Leaves (B9)	ne) riverine) ine)	t)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Pl	ng Living Root	Secondary Water Sedim Drift D Draina Dry-Se SS (C3) Thin M Crayfis Satura Shallo	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (CS
Vetland Hydrimary Indice Surface High Water M Sedimer Drift Dep Surface Inundation Water-S ield Observirus	drology Indicators: cators (any one indicators) Water (A1) ther Table (A2) on (A3) larks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B6)) on Visible on Aerial Intained Leaves (B9) vations:	ne) riverine) ine) nagery (B7)	t)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Pl Other (Explain in Remarks)	ng Living Root	Secondary Water Sedim Drift D Draina Dry-Se SS (C3) Thin M Crayfis Satura Shallo	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (CS w Aquitard (D3)
Vetland Hydrimary Indice Surface High Wall Saturation Water M Sedimer Drift Dep Surface Inundation Water-S Field Observing	drology Indicators: cators (any one indicators) Water (A1) ther Table (A2) on (A3) larks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B6)) on Visible on Aerial Intained Leaves (B9) vations:	ne) riverine) ine)	t)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Pl Other (Explain in Remarks)  Depth (inches):	ng Living Root	Secondary Water Sedim Drift D Draina Dry-Se SS (C3) Thin M Crayfis Satura Shallo	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (CS w Aquitard (D3)
Vetland Hydrimary Indice Surface High Wa Saturation Water M Sedimer Drift Dep Surface Inundation Water-S Field Observiburface Water	drology Indicators: cators (any one indicators) Water (A1) Inter Table (A2) Inter Table (A2) Inter Table (B1) (Nonrivering the Deposits (B2) (Nonrivering the Deposits (B3) (Nonrivering the Caracks (B6) Inter Table (B2) Inter Table (B3) Inter Table (B4) Inter Ta	ne) riverine) ine) nagery (B7)	t)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres alor  Presence of Reduced Iron ( Recent Iron Reduction in Pl  Other (Explain in Remarks)	ng Living Root	Secondary Water Sedim Drift D Draina Dry-Se SS (C3) Thin M Crayfis Satura Shallo	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (CS w Aquitard (D3)
Vetland Hydrimary India Surface High Water M Sedimer Drift Dep Surface Inundation Water-S Field Obsert Gurface Water Table	drology Indicators: cators (any one indicators) Water (A1) Ater Table (A2) On (A3) Parks (B1) (Nonrivering to the proposits (B2) (Nonrivering to the proposits (B3) (Nonrivering to the proposits (B6) On Visible on Aerial Intained Leaves (B9) Vations:  er Present?  Ye Present?  Ye	ne) irriverine) ine) magery (B7) es \( \) No (	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Pl Other (Explain in Remarks)  Depth (inches): Depth (inches):	ng Living Root C4) owed Soils (C	Secondary  Water Sedim Drift D Draina Dry-Se (C3) Thin M Crayfis (6) Satura Shallo FAC-N	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (CS) w Aquitard (D3) leutral Test (D5)
Vetland Hydromary Indicates Saturation  Surface  High Water M  Sedimer  Drift Dep  Surface  Inundation  Water-S  Field Obsert  Surface Water Table  Saturation P  includes cap	drology Indicators: cators (any one indicators) Water (A1) Ater Table (A2) On (A3) Barks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B3)) Cracks (B6) On Visible on Aerial Intained Leaves (B9) Vations: er Present? Present? Yeresent? Yeresent? Yeresent? Yeresent?	ne) iriverine) ine) magery (B7) es \( \) No (	t)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alor Presence of Reduced Iron ( Recent Iron Reduction in Pl Other (Explain in Remarks)  Depth (inches): Depth (inches):	ng Living Root C4) owed Soils (C	Secondary  Water Sedim Drift D Draina Dry-Se (C3) Thin M Crayfis (6) Satura Shallo FAC-M	Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) luck Surface (C7) sh Burrows (C8) tion Visible on Aerial Imagery (CS) w Aquitard (D3) leutral Test (D5)
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roject/Site: 2 frates. Old River	City/0	County: Bacon	15(.	Sampling Date:	BUM 8/1
pplicant/Owner: Contra Costa Wa	TER DIST	rict	State: CA	Sampling Point:	5A
vestigator(s): + Mulatry, A. Riche		ion, Township, Ran	ge: T2N,	R4Z sec	30
ndform (hillslope, terrace, etc.):	0	al relief (concave, co	onvex, none):	vare si	ope (%): D -2
bregion (LRR): C - Mediterranean California	Lat: 376	59' 9.5'	Long: /2/0 34	1'44" Date	um: NAD 8.
1	91	lo SLOPES	NWI class	ification:	44 4
e climatic / hydrologic conditions on the site typical fo	(1,11)		(If no, explain in	n Remarks.)	,
	significantly distu		Normal Circumstance		No O
e Vegetation Soil or Hydrology	naturally problem		eded, explain any ans		
e Vegetation Soil or Hydrology					aturas ata
UMMARY OF FINDINGS - Attach site m	ap showing san	npling point lo	cations, transec	ts, important is	eatures, etc.
Hydrophytic Vegetation Present? Yes	No (	dy Clay Learn, San			
Hydric Soil Present? Yes	No 🌑	Is the Sampled	Area		
Wetland Hydrology Present? Yes	No (	within a Wetlan	d? Yes (	V No C	son States Comment
Remarks: Man-made draw	rage dita	h, with	wary stee	p sides	
Octob is approx 3-4 fee	et wipe.	sleted Matrix (F3) lox Datis Surface (F	100	ayers (AS) (LRR C) - (AB) (LRR O)	Stratified I
EGETATION	(53)	egehus khaG balak Shammana	160 (11A)	Selow Dark Surface	Liberalde G. [11]
Tree Stratum (Use scientific names.)		minant Indicator ecies? Status	Dominance Test w		
1.			Number of Dominar That Are OBL, FAC		(A)
2.			Total Number of Do	minant	
3.			Species Across All		(B)
4.			Percent of Dominar	t Species	
	Cover: %		That Are OBL, FAC		0 % (A/B)
Sapling/Shrub Stratum			Prevalence Index v	worksheet:	
1 2			Total % Cover	of: Multi	ply by:
3.			OBL species	x 1 =	0
4.			FACW species	x 2 =	0
5.			FAC species	x 3 =	0
	Cover: %		FACU species	x 4 =	0
Herb Stratum	(813)	asterdatiouni plaus	UPL species	x 5 =	0
Typha latifolia	30	4 OBL	Column Totals:	(A)	0 (B)
3. Inte grass-Polypogon aus		FAC	Prevalence In	dex = B/A =	
4. January asper	2 1		Hydrophytic Vege	tation Indicators:	respect tieres
- Viztica and i ca	2	FACW FACU	Dominance Te		
6. Janus eller	10	4 OBL	Prevalence Ind		
7. Lemna sp.	20	OBL	Morphological data in Rem	Adaptations <sup>1</sup> (Provid narks or on a separa	de supporting ite sheet)
8.	1/2/1/21	s(esolaru) ritopo		drophytic Vegetatio	
	Cover: %	epth (inches):	0 94 0	(a) (Inese	Water Table P
Woody Vine Stratum			<sup>1</sup> Indicators of hydri	c soil and wetland l	hydrology must
1. 3 94 30 557 Vinstaria ggolorioyi 5: 2. addilive	N. (enotroggent such	erig , colorid laires .	be present.	siy range) ided Data (struem d	arcad adhoradi locad adhorad
	Cover: %		Hydrophytic	,	
	Cover of Biotic Crust	%	Vegetation Present?	Yes No	Common
	- Diotic Olds				20/
Remarks:					
				Engineers	to again? Same of

Sampling Point: 5A

Depth	cription: (Describe Matrix		Redox	<b>Features</b>	A. A. S.					Remarks	
nches)	Color (moist)	%	Color (moist)	%	Type 1	Loc <sup>2</sup>	Texture	_	3011	Remarks	
D-16	104A 211	95	1042 5/6	5	6	M	clay	odne	10 Mil	VI -	a trade partie de
10	1001		101	and tolton			0				liet) establic
(0) (	9001S - 2-4 V (2) 7	1/26 / 1/2/1	seaple, convex, no	1001 19951	15-150 J						
0.64	Setum Datum	516 615	/ S Long /	97 199	1 4 1 2	Te.l	20400	Iris Loss	CONTRALIC	2 k/ ( ) (54)	1.1) manass
						200	AND I D	NACTOR	1000	anned	wall peld is
	Contract Contract		10 m		V 64						
	1.881901039	PETERSKS OF	1 37		- 1 state V s	D 2010 EE D	ALL INSTRUCTION				
O old	present? Yes (F	ceografia much	Are "Normal C	V Vise	sutab sho	apflungia .		alaxbe/el pa-		108 111	eletensy s
				F5/8	msidee	els action.	171 00	olashvisi se	(1)	100 177	ATTENNATION .
Type: C=C	Concentration, D=Dep	oletion RM=R	educed Matrix	2 ocation	: PL=Por	Lining, R	C=Root Ch	annel, M=	Matrix.	Charles Are	Commencer S.
Soil Textur	res: Clay, Silty Clay,	Sandy Clay, L	oam, Sandy Clay	Loam, Sa	ndy Loan	, Clay Loa	am, Silty Cla	y Loam, S	ilt Loam	Silt, Loamy	Sand, Sand
	Indicators: (Applicab						Indicate	ors for Pro	blematic	Hydric Soils	CHARLES CONTROL
Histoso		ne to all Entre	Sandy Redo					m Muck (A			
	Epipedon (A2)		Stripped M				20	m Muck (A	410) (LR	RB)	
	Histic (A3)		Loamy Mu		I (F1)		Re	duced Ver	tic (F18)		
/	gen Sulfide (A4)		Loamy Gle				Re	d Parent N	Material (	TF2)	
V .	ed Layers (A5) (LRR	C)	Depleted N		(. –)		Ot	her (Expla	in in Ren	narks)	
	Muck (A9) (LRR D)	0)	Redox Dar		(F6)		TOUT				
the state of the s	ed Below Dark Surface	ce (A11)	Depleted D								
	Dark Surface (A12)	Se (ATT)	Redox Der								
	Mucky Mineral (S1)		Vernal Poo		inida e		<sup>4</sup> Indica	tors of hyd	rophytic	vegetation a	nd
	Gleyed Matrix (S4)		TO SUM							t be present	
	Layer (if present):	CHEL FACIN	STATE AND								
	Layer (II present).									,	
MDO.											
Type:		45 12 000m	en imot				Lludria	Soil Dress	nt2 V	ac (7)	No.
Depth (i	species or FAC // William	or Dominant a	Percent			7 184	Hydric	Soil Prese	ent? Y		No (
Depth (i	or FAC TYPEN	OBL FACW.	Theore 1 and Jan T			2 / 1av	Hydric	Soil Prese	ent? Y		No C
Depth (i	OGY	1 % Sover of cles	Percent That Are Prevaler Prevaler OBL spe			A Jav	Total Cov			rains (2) o	apling/Snite
Depth (i Remarks:	OGY lydrology Indicators	Cies Cies Cacies	ega JSO			A January Control	Total Cov	econdary	ndicator	s (2 or more	required)
Depth (i Remarks:	OGY	Cies Cies Cacies	ent)			Section 1997	Total Cov	econdary	Indicator	s (2 or more 1) (Riverine)	required)
Depth (i Remarks: IYDROLO Wetland H Primary Inc	OGY lydrology Indicators	Cies Cies Cacies	ent) Salt Crus			18V	Total Cov	econdary Water N	Indicator Marks (B	s (2 or more 1) (Riverine) sits (B2) (Riv	required)
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Depth (i Remarks:  YDROLO Wetland H Primary Inc Surfac High V Satura	OGY lydrology Indicators dicators (any one indi te Water (A1) Nater Table (A2)	: cator is suffici	ent) Salt Crus Biotic Cru Aquatic I	ust (B12)		18V	Total Cov	econdary Water N Sedime Drift De	Indicator Marks (B Int Depos Posits (E Je Patter	s (2 or more 1) (Riverine) sits (B2) (Riv 33) (Riverine	required) erine)
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oject/Site: 2 gates old River City/County: Sando	pag, Bacon (sl. Sampling Date: 8/1/08
pplicant/Owner: Control Costa Water District	State: (A Sampling Point: 5B
vestigator(s): T. Mahony, A. Richey Section, Township, Rar	nge: T2N, R48, Sec 30
ndform (hillslope, terrace, etc.): +errace Local relief (concave, c	convex, none): Nexe/Convex Slope (%): 0
ubregion (LRR): C - Mediterranean California Lat: 37° 59′ 9.5″	Long: 1210 34 44" Datum: NAI 8
il Map Unit Name: RYDE CLAN LOAM 0-2% Stop	es NWI classification:
e climatic / hydrologic conditions on the site typical for this time of year? Yes No	(If no, explain in Remarks.)
	Normal Circumstances" present? Yes No
Striyaness,	eded, explain any answers in Remarks.)
o rogonation or rivationsy	
UMMARY OF FINDINGS - Attach site map showing sampling point lo	cations, transects, important reatures, etc.
Hydrophytic Vegetation Present? Yes No (8/	
Hydric Soil Present? Yes No V Is the Sampled	Area
Netland Hydrology Present? Yes 🕟 No 🏈 within a Wetlan	
Remarks: On east side of dramage ditch. least 100 FT away, cover is ruderal	Cultivated fields at
least 100 Fr away, cover us ruderal	Stadified Layets (AS) (LRR C)
EGETATION (Fig. second 2 and 2	
Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Use scientific names.)	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2.	Restrictive cape in present):
3.	Total Number of Dominant Species Across All Strata: () (B)
4.	
Total Cover: %	Percent of Dominant Species That Are OBL, FACW, or FAC:  (A/B)
Sapling/Shrub Stratum	Prevalence Index worksheet:
1.	Total % Cover of: Multiply by:
2.	OBL species
4.	FACW species x 2 = 0
5.	FAC species x 3 = 0
Total Cover: %	FACU species . x 4 = 0
Herb Stratum	UPL species x 5 = 0
1. Raphanus sativa 99 y NL	Column Totals: (A) (B)
2. Wytua diocea / FACW	Prevalence Index = B/A =
3. (8-0) (8-	Hydrophytic Vegetation Indicators:
Secure Deduction in Playad Syste (25) Setuption Visible on Asnat Integral 5.	Dominance Test is >50%
6. (201 prof termol/ 1,22 fm)	Prevalence Index is ≤3.0 <sup>1</sup>
7.	Morphological Adaptations <sup>1</sup> (Provide supporting
8. Seaton, tips	data in Remarks or on a separate sheet)
Total Cover:	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. 2. as as a ser Sussett upotosbyk husday (	be present.
2. Condension il Lamascapera audiventa cantona farmina	Hydrophytic
Total Cover: 0/2	
Total Cover: %	Vegetation
Total Cover: %  % Bare Ground in Herb Stratum	Present? Yes No (

Sampling Point: 5B

Depth	Matrix			x Features			the abser				
inches)	Color (moist)	% 0	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	3		Remarks	
2-16	10483/2	100					loa	m			in continue
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T 0-0	oncentration, D=De	nletion PM-Po	ducad Matrix	<sup>2</sup> Location:	PI = Pore	Lining RO	C=Root Ch	annel M=	Matrix.	are a second	Crossing a
Type: C=C	es: Clay, Silty Clay,	Sandy Clay Lo	am Sandy Clay	Location.	dy I nam	Clay Loan	m. Silty Cla	av Loam. S	silt Loam,	Silt, Loamy	Sand, Sand
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	pipedon (A2)				(F1)			duced Ver			
	istic (A3)			cky Mineral				d Parent		TF2)	
	en Sulfide (A4)	(C)		yed Matrix (	(1 2)			her (Expla			
	d Layers (A5) (LRR	(C)	Depleted N	k Surface (F	-6)			ilei (Expla	iii iii ittoii	idinto)	
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	ark Surface (A12)		Vernal Poo		0)		<sup>4</sup> Indica	tors of hyd	rophytic	vegetation ar	nd
	Mucky Mineral (S1)		Veillai Foo	015 (1-9)						t be present.	
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Type:		and the same A									/
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YDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inundae Water-Field Obse Surface Wa	ydrology Indicators icators (any one ind water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonrive ent Deposits (B2) (N eposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aeria Stained Leaves (B9) ervations: ater Present? e Present?	s: licator is sufficie  erine) lonriverine) verine) al Imagery (B7) )  Yes  No	nt)  Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent II Other (E	st (B11) ust (B12) nvertebrates n Sulfide Od Rhizospher e of Reducet ron Reductio xplain in Rer inches):	s (B13) lor (C1) res along d Iron (C4	Living Roo	ots (C3)	Water I Sedime Drift De Drainag Dry-Se Thin M Crayfis Saturat	Indicators Marks (B1 ent Depos eposits (B1 ge Pattern ason Wa uck Surfa h Burrow ion Visibly v Aquitaro	s (2 or more in the sits (B2) (Riverine) (B10) (Riverine) (B10) (B	required) erine)
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YDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inundat Water-S Field Obse Surface Water Table Saturation I (includes ca	ydrology Indicators icators (any one indicators (A3))  Marks (B1) (Nonrive and Deposits (B3) (Nonrive a Soil Cracks (B6) attent Visible on Aeria Stained Leaves (B9) arvations:  Atter Present?  Present?  Present?  apillary fringe)  ecorded Data (streat	s: licator is sufficie  erine) lonriverine) verine)  Al Imagery (B7)  Yes \( \) No Yes \( \) No Yes \( \) No Yes \( \) No Am gauge, monit	Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent II Other (E	st (B11) ust (B12) nvertebrates n Sulfide Od Rhizospher e of Reduced ron Reductio xplain in Rer inches): inches):	s (B13) lor (C1) res along d Iron (C4 on in Plow marks)	Living Roo  i)  yed Soils (  Wetl  spections),	ots (C3)	Secondary Water I Sedime Drift De Drainay Thin M Crayfis Saturat Shallov FAC-N	Indicators Marks (B* ent Depos eposits (B ge Patteri ason Wat uck Surfa h Burrow tion Visibl v Aquitare eutral Tes	s (2 or more in the control of the c	required) erine) ) magery (C9
YDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inundar Water-Field Obse Surface Wa Water Table Saturation I	ydrology Indicators icators (any one indicators (A3))  Marks (B1) (Nonrive and Deposits (B3) (Nonrive a Soil Cracks (B6) attent Visible on Aeria Stained Leaves (B9) arvations:  Atter Present?  Present?  Present?  apillary fringe)  ecorded Data (streat	s: licator is sufficie  erine) lonriverine) verine)  Al Imagery (B7)  Yes \( \) No Yes \( \) No Yes \( \) No Yes \( \) No Am gauge, monit	Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent II Other (E	st (B11) ust (B12) nvertebrates n Sulfide Od Rhizospher e of Reduced ron Reductio xplain in Rer inches): inches):	s (B13) lor (C1) res along d Iron (C4 on in Plow marks)	Living Roo  i)  yed Soils (  Wetl  spections),	ots (C3)	Secondary Water I Sedime Drift De Drainay Thin M Crayfis Saturat Shallov FAC-N	Indicators Marks (B* ent Depos eposits (B ge Patteri ason Wat uck Surfa h Burrow tion Visibl v Aquitare eutral Tes	s (2 or more in the control of the c	required) erine) ) magery (C9
YDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inundat Water-S Field Obse Surface Water Table Saturation I (includes ca	ydrology Indicators icators (any one ind e Water (A1) // dater Table (A2) // dion (A3) // Marks (B1) (Nonrive ent Deposits (B2) (Norive e Soil Cracks (B6) // tion Visible on Aeria Stained Leaves (B9) // ervations:  ater Present?  Present?  present?	s: licator is sufficie  erine) lonriverine) verine)  Al Imagery (B7)  Yes \( \) No Yes \( \) No Yes \( \) No Yes \( \) No Am gauge, monit	Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent II Other (E	st (B11) ust (B12) nvertebrates n Sulfide Od Rhizospher e of Reduced ron Reductio xplain in Rer inches): inches):	s (B13) lor (C1) res along d Iron (C4 on in Plow marks)	Living Roo  i)  yed Soils (  Wetl  spections),	ots (C3)	Secondary Water I Sedime Drift De Drainay Thin M Crayfis Saturat Shallov FAC-N	Indicators Marks (B* ent Depos eposits (B ge Patteri ason Wat uck Surfa h Burrow tion Visibl v Aquitare eutral Tes	s (2 or more in the control of the c	required) erine) ) magery (C9
YDROLO Wetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inundat Water-S Field Obse Surface Water Table Saturation I (includes ca	ydrology Indicators icators (any one indicators (A3))  Marks (B1) (Nonrive and Deposits (B3) (Nonrive a Soil Cracks (B6) attent Visible on Aeria Stained Leaves (B9) arvations:  Atter Present?  Present?  Present?  apillary fringe)  ecorded Data (streat	s: licator is sufficie  erine) lonriverine) verine)  Al Imagery (B7)  Yes \( \) No Yes \( \) No Yes \( \) No Yes \( \) No Am gauge, monit	Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent II Other (E	st (B11) ust (B12) nvertebrates n Sulfide Od Rhizospher e of Reduced ron Reductio xplain in Rer inches): inches):	s (B13) lor (C1) res along d Iron (C4 on in Plow marks)	Living Roo  i)  yed Soils (  Wetl  spections),	ots (C3)	Secondary Water I Sedime Drift De Drainay Thin M Crayfis Saturat Shallov FAC-N	Indicators Marks (B* ent Depos eposits (B ge Patteri ason Wat uck Surfa h Burrow tion Visibl v Aquitare eutral Tes	s (2 or more in the control of the c	required) erine) ) magery (C9

oject/Site: 2 gates, Old River City/County: Baca	of San Joaq, Sampling Date: 8/1/08
	State: (A Sampling Point: 6.4
The state of the s	0/1
7, 110000	
andform (hillslope, terrace, etc.): m Channel Local relief (concave,	1 1 1/1
ubregion (LRR): C - Mediterranean California Lat: 37° 59′ /6.7°	20119. 121 17
oil Map Unit Name: RYDE CLAN LOAM, 0-2% SLOPE	NWI classification:
e climatic / hydrologic conditions on the site typical for this time of year? Yes 🕜 💮 No 🤇	
re Vegetation Soil or Hydrology significantly disturbed?	"Normal Circumstances" present? Yes (V
re Vegetation Soil or Hydrology naturally problematic? (If ne	eeded, explain any answers in Remarks.)
UMMARY OF FINDINGS - Attach site map showing sampling point le	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No 🚳 /	Soft Terrupper Clay, 9thy Clay, Sandy Clay, Trajan, Sond
Hydric Soil Present? Yes No No Is the Sampled	d Area
Wetland Hydrology Present? Yes No No within a Wetlan	nd? Yes ( No (
PA Clayer Materix In 2)  Stad Matrix (F2)  Stad Matrix (F2)	Rydraton Statice (AA) Smarked Layers (AS) (LRR,U) Est
EGETATION  Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Use scientific names.)  Absolute Dominant Indicator % Cover Species? Status	Number of Dominant Species
1. Indexig so leum agolinte/n brieflow	That Are OBL, FACW, or FAC: (A)
2.	Total Number of Dominant
3.	Species Across All Strata: ( 6 (B)
4	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum	That Are OBL, FACW, or FAC: /00 % (A/B)  Prevalence Index worksheet:
1.	Total % Cover of: Multiply by:
2	OBL species x 1 = 0
4.	FACW species x 2 = 0
5.	FAC species x 3 = 0
Total Cover: %	FACU species x 4 = 0
Herb Stratum	UPL species x 5 = 0
1. Schoenoplectes acutes 90 y OBL	Column Totals: (A) 0 (B)
2.	Prevalence Index = B/A =
3. (85) awarust ranusis. (85)	Hydrophytic Vegetation Indicators:
460) stepemi ising an artist antenuas T 180 sha berug a Angules Con and As-	Dominance Test is >50%
5. (60) brakens fragests (7) (askers fragests as observed use	Prevalence Index is ≤3.0¹
6. (3G) beT ame/sDA3 7	Morphological Adaptations <sup>1</sup> (Provide supporting
8. Santania de la compania del compania del compania de la compania del compania del compania de la compania del compania	data in Remarks or on a separate sheet)
Tetal Course	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum	Service of the servic
1. Ok S) seY Shasan yodqibyk bhallaw	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present.
2. Eldetisse II (aneixegent survens actiona lance	260, 0 (1999) p. (4. 500 0) Tules and Xia Chegudo an Estable?
Total Cover: %	Hydrophytic Vegetation
% Bare Ground in Herb Stratum	Present? Yes V No
Remarks: actually this is open water	

Sampling Point: 6A

Loc <sup>2</sup> Texture <sup>3</sup> Remarks
Lest an investment of the second seco
test appropriate to the standard of the standa
test pipe of the control of the cont
test pipe of the Comment of the Comm
Free A Free S. SHAWER action and selected will add on securitions and other Laboration before the first add on securitions and other Laborations.  There I have a laborated as I have I have a laborated as I have a laborat
send and not bearing with and not assumingly productively unbanded in The E. The sense and to the sense of th
primaries   Total and resident on annumeration of annumeration of the contract
phinns / [7] washabas a
todo mente de texa populario
trade are still dotted. Double to the state
provide are in the deleted. Comparison the constants
The second secon
Lining, RC=Root Channel, M=Matrix.
Clay Loam, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, Sa
Indicators for Problematic Hydric Soils:
1 cm Muck (A9) (LRR C)
2 cm Muck (A10) (LRR B)
Reduced Vertic (F18)
Red Parent Material (TF2)
Other (Explain in Remarks)
Carlot (Explain in termano)
4. I'm to a of budge butto vegetation and
<sup>4</sup> Indicators of hydrophytic vegetation and
wetland hydrology must be present.
Hydric Soil Present? Yes No
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)
Living Roots (C3) Thin Muck Surface (C7)
Crayfish Burrows (C8)
red Soils (C6) Saturation Visible on Aerial Imagery (C
red Soils (C6) Saturation Visible on Aerial Imagery (C
red Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
red Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
red Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
red Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
red Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3) FAC-Neutral Test (D5)
red Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
red Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3) FAC-Neutral Test (D5)
red Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
red Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
red Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
red Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
red Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
red Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
red Soils (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No

Free Stratum (Use scientific names.) % Cover Species? Status  1	Pyes () No (2)  nt - visible with  o GPS line is mark  Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC: () (A)  Total Number of Dominant
Ordinary high water mark prism what line deposited along riprap  EGETATION of the water line along riprap  Absolute Dominant Indicator % Cover Species? Status  1. 2. 3.	Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)  Total Number of Dominant
Free Stratum (Use scientific names.) % Cover Species? Status  1	Number of Dominant Species That Are OBL, FACW, or FAC: (A) Total Number of Dominant
	Species Across All Strata: (B)  Percent of Dominant Species
Total Cover: % Sapling/Shrub Stratum	That Are OBL, FACW, or FAC: 0 % (A/B)  Prevalence Index worksheet:  Total % Cover of: Multiply by:
3	OBL species       x 1 =       0         FACW species       x 2 =       0         FAC species       x 3 =       0         FACU species       x 4 =       0
Herb Stratum	UPL species $x = 0$ Column Totals: (A) 0 (B)
4.	Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:  Dominance Test is >50%  Prevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Total Cover: %  Woody Vine Stratum  1	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present.
Total Cover: %	Hydrophytic Vegetation Present?  Yes No (2)

Sampling Point: 68

Histosol (A1)  Histosol (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F2)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Redox (S5)  Loamy Mucky Mineral (F1)  Redox Dark Surface (F6)  Depleted Dark Surface (F7)  Thick Dark Surface (A12)  Redox Depressions (F8)  Vernal Pools (F9)  4Indication of the property of the	na soil  nannel, M=Matrix.
Soil Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loam, Clay Loam, Silty C ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)    Histosol (A1)	nannel, M=Matrix.  ay Loam, Silt Loam, Silt, Loamy Sand, Sand tors for Problematic Hydric Soils:  cm Muck (A9) (LRR C)  cm Muck (A10) (LRR B)  educed Vertic (F18)  ed Parent Material (TF2)
Total Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loam, Clay Loam, Silty Clay Clay Clay Clay Clay Clay Clay Cla	ay Loam, Silt Loam, Silt, Loamy Sand, Sand tors for Problematic Hydric Soils: cm Muck (A9) (LRR C) cm Muck (A10) (LRR B) educed Vertic (F18) ed Parent Material (TF2)
Total Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loam, Clay Loam, Silty Clay Clay Clay Clay Clay Clay Clay Cla	ay Loam, Silt Loam, Silt, Loamy Sand, Sand tors for Problematic Hydric Soils: cm Muck (A9) (LRR C) cm Muck (A10) (LRR B) educed Vertic (F18) ed Parent Material (TF2)
Soil Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loam, Clay Loam, Silty Claydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)    Histosol (A1)	ay Loam, Silt Loam, Silt, Loamy Sand, Sand tors for Problematic Hydric Soils: cm Muck (A9) (LRR C) cm Muck (A10) (LRR B) educed Vertic (F18) ed Parent Material (TF2)
Soil Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loam, Clay Loam, Silty C ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)    Histosol (A1)	ay Loam, Silt Loam, Silt, Loamy Sand, Sand tors for Problematic Hydric Soils: cm Muck (A9) (LRR C) cm Muck (A10) (LRR B) educed Vertic (F18) ed Parent Material (TF2)
Soil Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loam, Clay Loam, Silty C ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)    Histosol (A1)	ay Loam, Silt Loam, Silt, Loamy Sand, Sand tors for Problematic Hydric Soils: cm Muck (A9) (LRR C) cm Muck (A10) (LRR B) educed Vertic (F18) ed Parent Material (TF2)
Soil Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loam, Clay Loam, Silty C Lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)    Histosol (A1)	ay Loam, Silt Loam, Silt, Loamy Sand, Sand tors for Problematic Hydric Soils: cm Muck (A9) (LRR C) cm Muck (A10) (LRR B) educed Vertic (F18) ed Parent Material (TF2)
Soil Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loam, Clay Loam, Silty C Rydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)    Histosol (A1)	ay Loam, Silt Loam, Silt, Loamy Sand, Sand tors for Problematic Hydric Soils: cm Muck (A9) (LRR C) cm Muck (A10) (LRR B) educed Vertic (F18) ed Parent Material (TF2)
Soil Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loam, Clay Loam, Silty C Rydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)    Histosol (A1)	ay Loam, Silt Loam, Silt, Loamy Sand, Sand tors for Problematic Hydric Soils: cm Muck (A9) (LRR C) cm Muck (A10) (LRR B) educed Vertic (F18) ed Parent Material (TF2)
Soil Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loam, Clay Loam, Silty C Rydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)    Histosol (A1)	ay Loam, Silt Loam, Silt, Loamy Sand, Sand tors for Problematic Hydric Soils: cm Muck (A9) (LRR C) cm Muck (A10) (LRR B) educed Vertic (F18) ed Parent Material (TF2)
Soil Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loam, Clay Loam, Silty Claydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)    Histosol (A1)	ay Loam, Silt Loam, Silt, Loamy Sand, Sand tors for Problematic Hydric Soils: cm Muck (A9) (LRR C) cm Muck (A10) (LRR B) educed Vertic (F18) ed Parent Material (TF2)
Soil Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loam, Clay Loam, Silty C dydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)    Histosol (A1)	ay Loam, Silt Loam, Silt, Loamy Sand, Sand tors for Problematic Hydric Soils: cm Muck (A9) (LRR C) cm Muck (A10) (LRR B) educed Vertic (F18) ed Parent Material (TF2)
Indicators: (Applicable to all LRRs, unless otherwise noted.)   Indicators: (Applicable to all LRRs, unless otherwise noted.	tors for Problematic Hydric Soils: cm Muck (A9) (LRR C) cm Muck (A10) (LRR B) educed Vertic (F18) ed Parent Material (TF2)
Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F2)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (F1)  Depleted Dark Surface (F6)  Depleted Dark Surface (F7)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (F3)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Redox Depressions (F8)  Vernal Pools (F9)  4Indic Welter Layer (if present):  Type:  Depth (inches):  Remarks:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Defined Deposits (B2) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)	cm Muck (A9) (LRR C) cm Muck (A10) (LRR B) educed Vertic (F18) ed Parent Material (TF2)
Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5) (LRR C)  1 cm Muck (A9) (LRR D)  Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Redox Depressions (F8)  Vernal Pools (F9)  Alndic Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:  Depth (inches):  Remarks:  Wo for profile (A2)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Depth (Inches):  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)	cm Muck (A10) ( <b>LRR B</b> ) educed Vertic (F18) ed Parent Material (TF2)
Black Histic (A3) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D) Depleted Blow Dark Surface (A11) Depleted Blow Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks:  Wetland Hydrology Indicators: Primary Indicators (any one indicator is sufficient) Surface Water (A1) 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)  Loamy Mucky Mineral (F1) Red Normy Mucky Mineral (F1) Red Norma Maty Surface (F6) Pepled Dark Surface (F6) Pepled Dark Surface (F6) Pepled Dark Surface (F6) Pepled Dark Surface (F6) Pepled Matric Medox Surface (F6) Pepled Matric Medox Surface (F6) Pepled	educed Vertic (F18) ed Parent Material (TF2)
Hydrogen Sulfide (A4)	ed Parent Material (TF2)
Stratified Layers (A5) (LRR C)  1 cm Muck (A9) (LRR D)  Depleted Matrix (F3)  Redox Dark Surface (F6)  Depleted Below Dark Surface (A11)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Vernal Pools (F9)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:  Depth (inches):  Remarks:  No Soul profile, this is a rip rupple  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  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)	
Statistical Legis (A.) (LRR D)   Redox Dark Surface (F6)   Depleted Below Dark Surface (A11)   Depleted Dark Surface (F7)   Redox Depressions (F8)   Vernal Pools (F9)   Alndic Sandy Mucky Mineral (S1)   Vernal Pools (F9)   Alndic Sandy Gleyed Matrix (S4)   Westerictive Layer (if present):    Type:	
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Redox Depressions (F8)  Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type: Depth (inches):  Remarks:  Wetland Hydrology Indicators: Primary Indicators (any one indicator is sufficient)  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Presence of Reduced Iron Remarks) Water IR Proposits (B2) (Parallel (B7) Water Stained Leaves (B9)	ther (Explain in Normality)
Thick Dark Surface (A12) Redox Depressions (F8)  Sandy Mucky Mineral (S1) Vernal Pools (F9)  Restrictive Layer (if present):  Type: Depth (inches):  Remarks: No soul profile, this is a ry Mydric Netland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1) Salt Crust (B12)  Saturation (A3) Aquatic Invertebrates (B13)  Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4)  Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6)  Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)  Water-Stained Leaves (B9)	
Sandy Mucky Mineral (S1)	
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:  Depth (inches):  Remarks:  No pool profile, this is a rip rapple  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Drift Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Presence of Reduced Iron (C4)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)	ators of hydrophytic vegetation and
Restrictive Layer (if present):  Type: Depth (inches):  Remarks:  No pool profile, this is a rip-rapped  YDROLOGY  Wetland Hydrology Indicators: Primary Indicators (any one indicator is sufficient)  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)  Hydrogen Sulfide Odor (C1) Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils (C6) Water-Stained Leaves (B9)	
Type: Depth (inches):  Remarks:  No pool profile, this is a rip-Aupple  YDROLOGY  Wetland Hydrology Indicators: Primary Indicators (any one indicator is sufficient)  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)	tland hydrology must be present.
Depth (inches):  Remarks:  No poll profile, this is a rip-happed  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Vater 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)	
Depth (inches):  Remarks:  No pool profile, this is a rip-happed  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Vater Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)	/
Remarks: No soil profile, this is a rip-happed  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)	Soil Present? Yes No (V
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  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)  Wetland Hydrogen Sulfide Odor (B1)  Oxidized Rhizospheres along Living Roots (C3)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils (C6)  Other (Explain in Remarks)	
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  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)  Wetland Hydrogen Sulfide Odor (B1)  Oxidized Rhizospheres along Living Roots (C3)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils (C6)  Other (Explain in Remarks)	d livel
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  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)  Wetland Hydrogen Sulfide Odor (B1)  Oxidized Rhizospheres along Living Roots (C3)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils (C6)  Other (Explain in Remarks)	esuteriti destificado
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  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)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Roots (C3)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils (C6)	
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  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)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Roots (C3)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils (C6)	
Primary Indicators (any one indicator is sufficient)  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 Salt Crust (B11)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Roots (C3)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils (C6)  Other (Explain in Remarks)  Water-Stained Leaves (B9)	
Primary Indicators (any one indicator is sufficient)  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 Salt Crust (B11)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Roots (C3)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils (C6)  Other (Explain in Remarks)  Water-Stained Leaves (B9)	Secondary Indicators (2 or more required)
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)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Roots (C3)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils (C6)  Other (Explain in Remarks)  Water-Stained Leaves (B9)	Water Marks (B1) (Riverine)
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 Saturation (A2)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Roots (C3)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils (C6)  Other (Explain in Remarks)  Water-Stained Leaves (B9)	Sediment Deposits (B2) (Riverine)
Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Roots (C3)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils (C6)  Other (Explain in Remarks)  Water-Stained Leaves (B9)	
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)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Roots (C3)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils (C6)  Other (Explain in Remarks)	Drift Deposits (B3) (Riverine)
Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Oxidized Rhizospheres along Living Roots (C3)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils (C6)  Other (Explain in Remarks)	Drainage Patterns (B10)
Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils (C6)  Other (Explain in Remarks)	Dry-Season Water Table (C2)
Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils (C6)  Other (Explain in Remarks)	Thin Muck Surface (C7)
Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Recent Iron Reduction in Plowed Soils (C6) Other (Explain in Remarks)	Crayfish Burrows (C8)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)  Water-Stained Leaves (B9)	Saturation Visible on Aerial Imagery (CS
Water-Stained Leaves (B9)	Shallow Aquitard (D3)
HORSE STATE SHOWER SAME AND LONG AND LONG AND LONG AND AREA	
Field Observations:	FAC-Neutral Test (D5)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
	mutay salv doug
Saturation Present? Yes No Depth (inches): Wetland Hyd	
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available	rology Present? Yes ( No )
Describe Recorded Data (stream gauge, monitoring well, dental photos, provided inspection), in an annual	0.03)
State 1946 State 1997	
Remarks:	le:
Obvious vegetation whack the security	le:
a to the small	le:
rock reprap- would marks are outside	

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ydrophytic Vegetation Present? Yes ( No ( ydric Soil Present? Yes ( No ( No ( letland Hydrology Present? Yes ( No ( No ( letland Hydrology Present? Yes ( No ( No ( letland Hydrology Present))))))	V re hig	Is the Sampled within a Wetlan		No Co	-, hear
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Ab		ninant Indicator cies? Status	Dominance Test works  Number of Dominant Sp That Are OBL, FACW, of	pecies	(A)
			Total Number of Domina	ant	
Total Cover:	%	. Waster &	Percent of Dominant Sp That Are OBL, FACW, o		% (A/B)
apling/Shrub Stratum			Prevalence Index work	ksheet:	
			Total % Cover of:	Multipl	
(Deliging of allows to Stronger (Med.) Produces and			OBL species	x 1 =	0
(smisself) (TR) elsekt saletti (T)			FACW species	x 2 =	0
- Constitution of the contract		111071000	FAC species	x 3 = x 4 =	0
Total Cover:	%		FACU species UPL species	x 4 - x 5 =	0
A do donax	20	U FACW	Column Totals:	(A)	0 (1
Curandon da al-los	20	FAC	_ Coldinii Totalo.		
and earl willowhork - Epilobium Sp.	5	)	Prevalence Index	The second second	
Rashamis sativus	in	NL	Hydrophytic Vegetation		
Sinallow Aquitard (03)	Teshan	all at menery to see	Dominance Test is		
FAC-Neutral Test (DS)			Prevalence Index is  Morphological Ada		cupporting
			data in Remarks	s or on a separate	sheet)
		(reton) dige	Problematic Hydro	phytic Vegetation	1 (Explain)
Total Cover: Voody Vine Stratum	%		4 TO obt O safe		
Westfand Hydrology Present? Yes C No C	peneni europa	ar estada lenes	<sup>1</sup> Indicators of hydric so be present.	il and wetland hy	/drology mus
Total Cover:	9/0		Hydrophytic		
		0/	Vegetation Present? Ye	s (V No (	- zatterne fi
Remarks:	f Biotic Crust	estable	shed between		of

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TROW BINA - MOTOR ATAG MOTTAMINASTEG GMALITEM Sampling Point: 6C

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nches)	Color (moist)		olor (moist) %	Type <sup>1</sup> Loc <sup>2</sup>	Texture <sup>3</sup>	. 0
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T C=C	Concentration, D=Depl	lotion PM=Pa	duced Matrix 2 ocation: F	PL=Pore Lining, I	RC=Root Channe	el, M=Matrix.
Type: C=C	oncentration, D-Depl	Sandy Clay I of	am Sandy Clay Loam, Sand	dv Loam. Clav Lo	am, Silty Clay Lo	am, Silt Loam, Silt, Loamy Sand, S
Soll Textur	es: Clay, Silty Clay, S	le to all I BBs I	unless otherwise noted )	ay 2001111 0107 20	Indicators for	or Problematic Hydric Soils:
		ie to all LRRS, t	unless otherwise noted.)			uck (A9) (LRR C)
Histoso			Sandy Redox (S5) Stripped Matrix (S6)			uck (A10) (LRR B)
	Epipedon (A2)		Loamy Mucky Mineral (	(F1)		ed Vertic (F18)
	Histic (A3)		Loamy Gleyed Matrix (F			erent Material (TF2)
	en Sulfide (A4)			F2)		Explain in Remarks)
	ed Layers (A5) (LRR (	<b>C</b> )	Depleted Matrix (F3)	·c)	other (	Explain in remaine)
	luck (A9) (LRR D)	(844)	Redox Dark Surface (F			
	ed Below Dark Surfac	e (A11)	Depleted Dark Surface			
	Dark Surface (A12)		Redox Depressions (F8	0)	<sup>4</sup> Indicators	of hydrophytic vegetation and
	Mucky Mineral (S1)		Vernal Pools (F9)			hydrology must be present.
	Gleyed Matrix (S4)	WOAR BOR	<b>以</b> 为47		Welland	Trydrology maet to process
Restrictive	Layer (if present):					
Typo:						
Type:		43 d.A				
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Depth (i Remarks:  YDROLO Wetland H Primary Inc Surface High V Satura Water Sedim Drift D Surface Inunda Water- Field Obse Surface W Water Tab Saturation (includes of	No Sort portion of the North Part of the Water (A1) Water Table (A2) Intion (A3) Marks (B1) (Nonriver the Soil Cracks (B6) Action Visible on Aerial Stained Leaves (B9) Actions: Acter Present? Acter Present (A) Acter Presen	cator is sufficient in suffici	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates  Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reductio Other (Explain in Ren  C Depth (inches): Depth (inches): Depth (inches):	der cl West (B13) or (C1) es along Living Red Iron (C4) on in Plowed Soils marks)  Westious inspections	Secon	ndary Indicators (2 or more required Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) hin Muck Surface (C7) trayfish Burrows (C8) raturation Visible on Aerial Imagery shallow Aquitard (D3) AC-Neutral Test (D5)

oject/Site: 2 gales-Old River City/County: Bacor	alst, SanJang. Sampling Date: 8 1 08
oplicant/Owner: Contra Costa Water Duffict	State: (A Sampling Point: 7A
vestigator(s): T. Machony, A. Richery Section, Township, Rar	nge: T2N, R4E, sec 30
andform (hillslope, terrace, etc.): Rwar channel Local relief (concave, c	convex, none): none Slope (%): 0 -
,	Long: 121° 34'48" Datum: NAO 8
A constant of the control of the con	NWI classification:
10100-011	
	"Normal Circumstances" present? Yes No
re Vegetation Soil or Hydrology naturally problematic? (If ne	eded, explain any answers in Remarks.)
UMMARY OF FINDINGS - Attach site map showing sampling point lo	ocations, transects, important features, etc
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No No Is the Sampled	Area
Wetland Hydrology Present? Yes No No within a Wetlar	trest in the second of the sec
Remarks: Freshwater marsh area within	old River channel,
Mongside level.	Lossi Transport Laws (AD (LYR) C)
/EGETATION	tes 8 To you are the second or secon
Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Use scientific names.)	Number of Dominant Species
	That Are OBL, FACW, or FAC: 25 (A)
2	Total Number of Dominant
3	Species Across All Strata: 2 (B)
4	Percent of Dominant Species That Are OBL, FACW, or FAC: / (Ø) % (A/B)
Sapling/Shrub Stratum	
1.	Prevalence Index worksheet:
2	Total % Cover of: Multiply by:
3. Translation arom on the arother ball colorection \$2.	OBL species x 1 = 0
4. page of the shall make the state of the s	FACW species x 2 = 0  FAC species x 3 = 0
5.	
Total Cover: %	
101	
2	Column Totals: (A) 0 (E
3. Californicus 30 y OBL	Prevalence Index = B/A =
4	Hydrophytic Vegetation Indicators:
5. SCO toggettA vestage 5 1	Dominance Test is >50%
6. (24) Next Leading CAR (7)	Prevalence Index is ≤3.0 <sup>1</sup>
7.	Morphological Adaptations <sup>1</sup> (Provide supporting
8. (corders) mass	data in Remarks or on a separate sheet)
Total Cover:	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1. J. No. V). say Yessay Sydnalogs Stessor V. No. 1. J.	be present.
2. Signification (Englanded a Lucive in Lethons some	A SA GATORDENI, SCHOOL PUBLIC CONTROLS SCHOOL
Total Cover: %	Hydrophytic Vegetation
	Present? Yes ( No (
% Bare Ground in Herb Stratum % % Cover of Biotic Crust %	
% Bare Ground in Herb Stratum % Cover of Biotic Crust %  Remarks:	

Sampling Point: 7A

ches)         Color (moist)         %         Color (moist)         %         Type¹           0 - 6         10 4 2 3 (1 80 10 4 4 4 4 20 10 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		cture <sup>3</sup>	Remarks
0-6 104R3(1 80 104R 416 20	Loc <sup>2</sup> Tex		T. L. (F. 1992)
Carcal reflect (concave, convex, none)   2277 d   Slope (%)   C   2 4 5 5 6   Datum   30,52	gai	y loan	N (markentan
22 " 28 58" Long 121 3 4 28" Datum Will		-	de appoint aprinted an eller
	tial v	implik i newse	heading (LEPTY ALL Titue
A C - C - C - C - C - C - C - C - C - C		15 / Y 24	State of the State
vest? Yes (TV - No.V - Witno evoluinus Remarks.)	In east birt of les		ititaan nihalminis vaitamin a
Note: "New Constant Control of Lawrence and Statements	in a series de la companya del companya del companya de la company	union calculated no	Thodateney e
1 0H 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1960011000	- Walletinger III	
Lasteman is standard appearance of the supplementary	I THE STATE OF THE	Santantina Its	toral
ype: C=Concentration, D=Depletion, RM=Reduced Matrix. <sup>2</sup> Location: PL=Po	re Lining RC=Roo	t Channel, M=Mati	ix.
oil Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loa	m, Clay Loam, Silty	y Clay Loam, Silt L	oam, Silt, Loamy Sand, Sand
rdric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Ind	licators for Problem	natic Hydric Soils:
Histosol (A1) Sandy Redox (S5)		1 cm Muck (A9) (	
Histic Epipedon (A2) Stripped Matrix (S6)		2 cm Muck (A10)	
Black Histic (A3) Loamy Mucky Mineral (F1)	3733 - Alberta	Reduced Vertic ( Red Parent Mate	
Hydrogen Sulfide (A4)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F3)		Other (Explain in	
Charling Edysto (16) (2:11.5)		Other (Explain in	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1 cm Muck (A9) (LRR D)  Depleted Below Dark Surface (A11)  Depleted Dark Surface (F7)			
Thick Dark Surface (A12) Redox Depressions (F8)			
Sandy Mucky Mineral (S1) Vernal Pools (F9)	⁴In		nytic vegetation and
Sandy Gleyed Matrix (S4)		wetland hydrology	must be present.
estrictive Layer (if present):			,
Type:			
Depth (inches):	Hyd	dric Soil Present?	Yes (V No (
'DROLOGY			
etland Hydrology Indicators:			eators (2 or more required)
rimary Indicators (any one indicator is sufficient)			s (B1) (Riverine)
Surface Water (A1) Salt Crust (B11)			eposits (B2) (Riverine)
High Water Table (A2) Biotic Crust (B12)			its (B3) (Riverine)
Saturation (A3) Aquatic Invertebrates (B13)			atterns (B10) n Water Table (C2)
Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1)			Surface (C7)
		, L	Sullace (OI)
Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres alor			
Drift Deposits (B3) (Nonriverine)			irrows (C8)
Drift Deposits (B3) (Nonriverine)  Presence of Reduced Iron (  Surface Soil Cracks (B6)  Recent Iron Reduction in PI	owed Soils (C6)	Saturation	rrows (C8) Visible on Aerial Imagery (C9
Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Presence of Reduced Iron ( Recent Iron Reduction in PI Other (Explain in Remarks)	owed Soils (C6)	Saturation Shallow Ag	rrows (C8) Visible on Aerial Imagery (C9 uitard (D3)
Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Presence of Reduced Iron ( Recent Iron Reduction in Pi Other (Explain in Remarks)	owed Soils (C6)	Saturation Shallow Ag	rrows (C8) Visible on Aerial Imagery (C9
Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  ield Observations:	owed Soils (C6)	Saturation Shallow Ag	rrows (C8) Visible on Aerial Imagery (C9 uitard (D3)
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Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  ield Observations:  urface Water Present?  Ves No Depth (inches):	owed Soils (C6)	Saturation Shallow Aq	urrows (C8) Visible on Aerial Imagery (C9 uitard (D3) al Test (D5)
Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  ield Observations:  urface Water Present?  Vater Table Present?  Yes No Depth (inches):  atturation Present?  Yes No Depth (inches):  Depth (inches):  Depth (inches):  Depth (inches):	owed Soils (C6)  Wetland H	Saturation Shallow Ad FAC-Neutr	urrows (C8) Visible on Aerial Imagery (C9 uitard (D3) al Test (D5)
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Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  ield Observations:  urface Water Present?  Vater Table Present?  Yes  No  Depth (inches):  ieaturation Present?  Ieaturation Present?  No  Depth (inches):  Ieaturation Present?  Ieaturation Present?  No  Depth (inches):  Ieaturation Present?  Ieaturation Present?  Ieaturation Present?  Ieaturation Present?  No  Depth (inches):  Ieaturation Present?  Ieaturation Present?  Ieaturation Pres	Wetland Hinspections), if ava	Saturation Shallow Ad FAC-Neutro	urrows (C8) Visible on Aerial Imagery (C9 uitard (D3) al Test (D5)
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Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  ield Observations:  urface Water Present?  Vater Table Present?  Yes  No  Depth (inches):  aturation Present?  Yes  No  Depth (inches):  Depth (inc	Wetland Hinspections), if ava	Saturation Shallow Ad FAC-Neutro	orrows (C8)  Visible on Aerial Imagery (C9  uitard (D3)  al Test (D5)

Is the Sampled Area   within a Wetland?   Yes   No   Wetland Hydrology Present?   Yes   No   No   Wetland Hydrology Present?   Yes   No   Wetland?   Yes   Yes   No   Wetland?   Yes	The transfer of the total	ownship, Ran of (concave, c 8 58 11 240 M No ( Are "I	Long: 121 34 48 Datum: NAD 8  Long: NWI classification:  (If no, explain in Remarks.)  Normal Circumstances" present? Yes No Ceded, explain any answers in Remarks.)
Absolute   Species   Status   Dominant   Indicator   Species   Status   Status   Species   Status	lydrophytic Vegetation Present? Yes No 🕡		
### Cover   Species   Status	lydric Soil Present? Yes No 📝 Is t	he Sampled	Area
Absolute Stratum (Use scientific names.)  Absolute % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)  Total Number of Dominant Species Serves Across All Strata: 0 (B)  Percent of Dominant Species Across All Strata: 0 (B)  Percent of Dominant Species Across All Strata: 0 (B)  Percent of Dominant Species Across All Strata: 0 (B)  Percent of Dominant Species Across All Strata: 0 (B)  Percent of Dominant Species Across All Strata: 0 (B)  Percent of Dominant Species (A)  Percent of Dominant Species (A)  Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x2 = 0  FACW species x2 = 0  FACW species x3 = 0  FACU species x4 = 0  Prevalence Index = B/A = Acrundo Across All Strata: 0 (B)  Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x3 = 0  FACW species x3 = 0  FACW species x3 = 0  Column Totals: (A) 0 (B)  Prevalence Index = B/A = Acrundo Across All Acrundo Acrundo Across All Acrundo Across All Acrundo Across All Acrundo	Vetland Hydrology Present? Yes No Wit	hin a Wetlan	nd? Yes No ()
Number of Dominant Species That Are OBL, FACW, or FAC: (A)  Total Number of Dominant Species That Are OBL, FACW, or FAC: (B)  Total Number of Dominant Species That Are OBL, FACW, or FAC: (C)  Total Number of Dominant Species That Are OBL, FACW, or FAC: (C)  Total Number of Dominant Species That Are OBL, FACW, or FAC: (C)  Percent of Dominant Species That Are OBL, FACW, or FAC: (C)  Prevalence Index worksheet:  Total % Cover of: (Multiply by: OBL species X 1 = 0)  FACW species X 2 = 0  FACW species X 3 = 0  FACU species X 4 = 0  UPL species X 5 = 0  Column Totals: (A) 0 (C)  Prevalence Index = BIA = (C)  Arundo dona X (Frovide supporting data in Remarks or on a separate sheet)  Total Cover: (%)  Total Cover: (%)  Problematic Hydrophytic Vegetation (Explain)  Noody Vine Stratum  Total Cover: (%)  Bare Ground in Herb Stratum (Main and wetland hydrology must be present: (Main and wetland hydrology must be presen	EGETATION Absolute Deminer	hadeM botel	Dominance Test worksheet
Species Across All Stratus: 0 (B)  Percent of Dominant Species That Are OBL, FACW, or FAC: That Are OBL, FACW, or FAC: That Are OBL, FACW, or FAC: The OBL Species That Are OBL, FACW, or FAC: The OBL Species That Are OBL, FACW, or FAC: The OBL Species That Are OBL, FACW, or FAC: The OBL Species That Are OBL, FACW, or FAC: The OBL Species That Are OBL, FACW, or FAC: The OBL Species That Are OBL, FACW, or FAC: The OBL Species That Are OBL, FACW species That Are OBL, FACW, or FAC: The OBL, FACW, or FACW, or FAC: The OBL, FACW, or	has materially simple the consideral		Number of Dominant Species
Total Cover: %  Total Cover: %  Total Cover: %  Total % Cover of: Multiply by:  OBL species			(8)
Prevalence Index worksheet:  Total % Cover of: Multiply by:  OBL species x 1 = 0  FACW species x 2 = 0  FAC species x 3 = 0  FAC species x 4 = 0  UPL species x 5 = 0  Column Totals: (A) 0 (III)  Prevalence Index = B/A = 15			
Total % Cover of: Multiply by:  OBL species			Prevalence Index worksheet:
OBL species x 1 = 0 FACW species x 2 = 0 FAC species x 3 = 0 FACU species x 4 = 0 UPL species x 5 = 0 Column Totals: (A) 0 (II Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Noody Vine Stratum  Total Cover: % Bare Ground in Herb Stratum % Cover of Biotic Crust %  OBL species x 1 = 0 FACW species x 3 = 0 FACU species x 4 = 0 UPL species x 5 = 0 Column Totals: (A) 0 (II Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation  Indicators of hydric soil and wetland hydrology mus be present.  Hydrophytic Vegetation Present? Yes No (II)  No (II) Prevalence Index = B/A = Hydrophytic Vegetation Indicators:    Hydrophytic Vegetation   Present?   Present   P	2		Total % Cover of: Multiply by:
Total Cover: %    FACW species   x 2 = 0     FAC species   x 3 = 0     FACU species   x 4 = 0     UPL species   x 5 = 0     Column Totals: (A) 0 (IIII     Prevalence Index = B/A =     Hydrophytic Vegetation Indicators:     Dominance Test is >50%     Prevalence Index is \$3.0^1     Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)     Problematic Hydrophytic Vegetation (Explain)     Indicators of hydric soil and wetland hydrology must be present.     Hydrophytic Vegetation     Problematic Hydrophytic Vegetation     Indicators of hydric soil and wetland hydrology must be present.     Hydrophytic Vegetation     Vegetation     Prevalence Index is \$3.0^1     Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)     Problematic Hydrophytic Vegetation     Vegetation     Prevention     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supporting data in Remarks or on a separate sheet     Provide supp	3		OBL species x 1 = 0
Total Cover: %  FACU species x 4 = 0  UPL species x 5 = 0  Column Totals: (A) 0 (II  Prevalence Index = B/A = 15 M FACU  Hydrophytic Vegetation Indicators:  Dominance Test is >50%  Prevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)  Noody Vine Stratum  Total Cover: %  Bare Ground in Herb Stratum    % Cover of Biotic Crust    %  FACU species x 4 = 0  UPL species x 5 = 0  Column Totals: (A) 0 (II  Prevalence Index = B/A = Hydrophytic Vegetation Indicators:  Dominance Test is >50%  Prevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation  'Indicators of hydric soil and wetland hydrology must be present.  Hydrophytic Vegetation  Present? Yes No (Total Cover: Yes)	(DSNUMER STOTE LE CLANCES (pp. Louisson P. CT)		FACW species x 2 = 0
Total Cover: %   UPL species   x 5 = 0			FAC species x 3 = 0
Raphanus Datira  Lonicera gaponica  Arundo dona x  15			TAY 2 Let year
Prevalence Index = B/A =    Hydrophytic Vegetation Indicators:   Dominance Test is >50%     Prevalence Index is ≤3.0¹     Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)     Problematic Hydrophytic Vegetation¹ (Explain)     Noody Vine Stratum	Herb Stratum	dansv, i j	0, 2 spooled
Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:  Dominance Test is >50%  Prevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)  Noody Vine Stratum  Indicators of hydric soil and wetland hydrology must be present.  Hydrophytic Vegetation  Problematic Hydrophytic Vegetation  Problematic Hydrophytic Vegetation  Prevalence Index = B/A =  Hydrophytic Vegetations¹ (Provide supporting data in Remarks or on a separate sheet)  Indicators of hydric soil and wetland hydrology must be present.  Hydrophytic Vegetation  Prevalence Index = B/A =  Hydrophytic Vegetations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation Present?  Yes No (Vegetation Present? Yes No (Vegetation Presen	Raphanus satira 65 y	NL	Column Totals: (A) 0 (B)
Hydrophytic Vegetation Indicators:  Dominance Test is >50%  Prevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)  Noody Vine Stratum  Total Cover:  Total Cover:  Total Cover:  We Bare Ground in Herb Stratum  No Cover of Biotic Crust  Hydrophytic Vegetation Indicators:  Dominance Test is >50%  Prevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Indicators of hydric soil and wetland hydrology must be present.  Hydrophytic Vegetation Present?  Yes No Cover of No Cover		NI	Prevalence Index = B/A =
Dominance Test is >50% Prevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)  Noody Vine Stratum  I.  Total Cover:  Total Cover:  We Bare Ground in Herb Stratum  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)  Hydrophytic Vegetation Present?  Yes No No (Vegetation) Present?		PACH	Hydrophytic Vegetation Indicators:
Prevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)  Noody Vine Stratum  Indicators of hydric soil and wetland hydrology must be present.  Total Cover: %  Hydrophytic Vegetation  Yes No (**  N	COLUMN TO DAME TO DAME TO DAME TO DAME TO DESCRIPTION OF THE PROPERTY OF THE P	SAME PORCE	Dominance Test is >50%
Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation (Explain)  Noody Vine Stratum  Indicators of hydric soil and wetland hydrology must be present.  Total Cover: %  Hydrophytic Vegetation  Vegetation  Present? Yes No (Vegetation)		Mic.ox'Sinar	Prevalence Index is ≤3.0 <sup>1</sup>
Total Cover:  Noody Vine Stratum  Total Cover:  Total Cover:  Total Cover:   Total Cover:   Total Cover:   Total Cover:   Total Cover:   Total Cover:   Total Cover:   Total Cover:  Tot			Morphological Adaptations <sup>1</sup> (Provide supporting
Total Cover:  Noody Vine Stratum  Indicators of hydric soil and wetland hydrology must be present.  Total Cover:  Total Cover:  Total Cover:  We Bare Ground in Herb Stratum  Me Cover of Biotic Crust  Total Cover:			
Noody Vine Stratum  I Indicators of hydric soil and wetland hydrology must be present.  Total Cover: % Hydrophytic Vegetation Present? Yes No (Vegetation Present)			Problematic Hydrophylic Vedetation (Explain)
be present.  Total Cover: % Hydrophytic Vegetation Present? Yes No (Vegetation Present)	B. Tatal Causer	(seriori) dina	The state of the s
Total Cover: % Hydrophytic Vegetation Present? Yes No (Vegetation Present)	B. Tatal Causer	(senan) me (senan) dis (senan) das	Vister Table Present? Yes (* 149 (*)
% Bare Ground in Herb Stratum	Total Cover: %	(serioni) riigs (serioni) riigs	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
	Total Cover: %  Woody Vine Stratum  1.	(seriori) dins (seriori) dins (seriori) dige	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present.
Raphanus - derived thatch conors much of sice,	Woody Vine Stratum  1. 2. Total Cover: %	%	Indicators of hydric soil and wetland hydrology must be present.  Hydrophytic Vegetation
어느 그는 이번에 나타면 바람들이 이번에 가장 이번 사람들이 되는 것이 되었다. 그는 사람들이 사용하는 사람들이 되었다면 되었다면 되었다면 되었다. 그는 사람들이 나는 사람들이 되었다면 살아 없다면 사람들이 되었다면 살아 되었다면 살아 되었다면 살아 되었다면 살아	Total Cover: %  Woody Vine Stratum  1.  2.  Total Cover: %  Woody Vine Stratum  1.  2.  Total Cover: %  We Bare Ground in Herb Stratum / % Cover of Biotic Crust	The state of the s	Indicators of hydric soil and wetland hydrology must be present.  Hydrophytic Vegetation Present? Yes No (V

Sampling Point: 78

Depth Matrix	Redox Features  Color (moist) % Type¹ Loc	c <sup>2</sup> Texture <sup>3</sup>	Remarks
nches) Color (moist) %	Color (moles)	1 ,	
0-10 (04R3/2 100	Station Dwnship, Range / T	clay to	am
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in any answers in Remarks.)	signe , bebean ti) You straidere vitare	dari <u>) lusolo</u>	short en 1 1 Sea L. Landintagero
treasects, important leatures, et-	Reduced Matrix. <sup>2</sup> Location: PL=Pore Lini	BC=Boot Chang	nol M=Matrix
Type: C=Concentration, D=Depletion, RM=F Soil Textures: Clay, Silty Clay, Sandy Clay,	Reduced Matrix. *Location: PL=Pore Linit Loam, Sandy Clay Loam, Sandy Loam, Clay	v Loam, Silty Clay L	oam, Silt Loam, Silt, Loamy Sand, Sand
ydric Soil Indicators: (Applicable to all LRR		Indicators	for Problematic Hydric Soils:
Histosol (A1)	Sandy Redox (S5)		Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm l	Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduc	ced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red P	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)	Depleted Dark Surface (F7)		
Thick Dark Surface (A12)	Redox Depressions (F8)		
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	4Indicators	of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)	CALLEY CONTRACTOR	wetland	d hydrology must be present.
Restrictive Layer (if present):			
Type:			
Depth (inches):	<del>5 pts</del> 1938	Hydric Soi	I Present? Yes No (V
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No hadrie in le	lopment, with inter	spersed.	areas of siprap.
- Avd ylaphonic to revuo al-	lopment, with inter cators	spersed.	areas of siprap
YDROLOGY	eators		areas of Asprago
YDROLOGY Wetland Hydrology Indicators:	DBL spec	Seco	
YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffic	cient)	Seco	ndary Indicators (2 or more required)  Nater Marks (B1) (Riverine)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one indicator is sufficed Surface Water (A1)	cient)	Seco	ndary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)
YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffic	cient)  Salt Crust (B11)  Biotic Crust (B12)	Second Se	Andary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one indicator is sufficed Surface Water (A1)	cient)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Second Se	Andary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one indicator is suffice Surface Water (A1) High Water Table (A2)	cient)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Second Se	Andary 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)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one indicator is suffice Surface Water (A1) High Water Table (A2) Saturation (A3)	cient)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Second Se	Andary 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)  Thin Muck Surface (C7)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficed by the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)	cient)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)
Wetland Hydrology Indicators: Primary Indicators (any one indicator is sufficed Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	cient)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)
Wetland Hydrology Indicators:  Primary 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 Livir  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)
Wetland Hydrology Indicators:  Primary 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)  Inundation Visible on Aerial Imagery (B7)	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livir  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)
Wetland Hydrology Indicators:  Primary 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)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livir  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary 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) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations:	cient)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed S Other (Explain in Remarks)	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary 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)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?	cient)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed S Other (Explain in Remarks)	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary 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)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes	cient)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed S Other (Explain in Remarks)  No Depth (inches): Depth (inches):	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary 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)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes A	cient)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed S Other (Explain in Remarks)	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary 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)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  Note Table Present?  Saturation Present?  Yes  Note Table Present?	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livir  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S  Other (Explain in Remarks)	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary 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) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Water Table Present? Yes Note   Saturation Present?	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livir  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S  Other (Explain in Remarks)	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary 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) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes   Naturation Present? Yes   Saturation Present? Yes   Naturation Present? Yes	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livir  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):  Depth (inches):	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary 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) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes   Naturation Present? Yes   Saturation Present? Yes   Naturation Present? Yes	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livir  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):  Depth (inches):	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary 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) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Water Table Present? Yes Naturation Present? Yes Naturation Present? Saturation Present? Yes Naturation Present? Secribe Recorded Data (stream gauge, mo	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livir  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):  Depth (inches):	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary 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)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  Naturation Present?  Yes  Naturation Present?  Saturation Present?  Yes  Naturation Present?  Secorded Data (stream gauge, mo	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livir  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S  Other (Explain in Remarks)	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary 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)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  Saturation Present?  Yes  Nonriverine  Nonriverine  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes  Nonriverine	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livir  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):  Depth (inches):	Second Se	Andary 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
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	0:1 10	D	100	Campl	ing Date:	8/1/08
oject/Site: 2 Jakes, Old River	City/County:	Dacon		19	-	011100
oplicant/Owner: Contra Cozra Water	Distric	1	State: CA		ing Point:	8 //
vestigator(s): T. Mahony, A. Richen	Section, To	wnship, Ran	ge: T2N,	RYE	sec	30
ndform (hillslope, terrace, etc.):	Local relief	(concave, co	onvex, none):	ight 6	Slo	ope (%): 0-2
ubregion (LRR): C - Mediterranean California Lat:	37 6 59	7.5	Long: 1210 -	34/45	Date	IM: NAD8
oil Map Unit Name: RYDS CLAY LOAM, C	12% A	lopes	NWI cla	ssification:		
e climatic / hydrologic conditions on the site typical for this time of		No (	(if no, explain	n in Remarks	s.)	
	tly disturbed?	Are "N	Normal Circumstan	ces" present	? Yes (	No O
	problematic?	(If nee	eded, explain any a	nswers in Re	emarks.)	
UMMARY OF FINDINGS - Attach site map showir	ng sampling	g point lo	cations, transe	ects, impo	ortant fe	eatures, etc.
Name of the State	pae, -thus a	iso Lyell) ys	y Clay, Loam, San	oosS yelby	Oby, Bilt	seudant kodi
Hydrophytic Vegetation Present?  Hydric Soil Present?  Yes W No	Is th	e Sampled	Area	/		
Wetland Hydrology Present?		in a Wetland		(V) N	0 0	
Demorko:	100	200000000000000000000000000000000000000	1 1 0 4			1
No visible culvert obs	erved-	inte	t-outlet	not	visio	nuposky)
			deQ he h	10 /18.11 ( 1.15 /18.11 (	ek) meys. Sin sidi	designation of the
EGETATION	(17) eoshul	E stall hatek	psG [1] O	A) sostu C)	field wotst	Bestated F
Absolu		THE WAY A SHEET PROPERTY.	Dominance Test		sian Wat	
Tree Stratum (Use scientific names.) % Cov	er Species?	Status	Number of Domir That Are OBL, FA			(A)
1.						
2			Total Number of Species Across A			(B)
			Species Across /	iii Otrata.		Jack T
4Total Cover:	%		Percent of Domin			0 % (A/B)
Sapling/Shrub Stratum	70					0 /8 ((12)
1.			Prevalence Inde			
2.			Total % Cove	er of:		ply by:
3.			OBL species		x 1 = x 2 =	0
4. Annand THE American Commence			FACW species	101 100 100 100	x 3 =	
5	100	1 3 C 7 FGO NO 32	FAC species FACU species		x 4 =	0
Herb Stratum	%		UPL species		x 5 =	0
	2 11	OBL	Column Totals:		(A)	0 (B)
2. unk grase-Polypogon australis 10		FACW	The state of the s	(special disc	(1)	
3. Garlatinas Volypogon australis 16	<u> </u>	171000	Prevalence	Index = B/A		
4. Polyapnum amphibium		OBL	Hydrophytic Ve			
5. Ustica divina	in Keptades)	FACW	Dominance			
6. Lemna sp. 5		OBL	Prevalence			asShetsW
7. Datura M. T		NL	Morphologic data in R	al Adaptatior emarks or or	ns' (Provid n a separa	le supporting te sheet)
8.	461 3	eodódi) dága	Problematic			
Total Cover: Woody Vine Stratum	0/0		2. 5) elf	) asy	Chees	
1. See Timese 4 your by 4 broken 6			<sup>1</sup> Indicators of hy	dric soil and	wetland I	hydrology must
2. Leddenava ti .(enodoleg	st prevents inc	world lenge.	be present.			engas someter rocas adisosas
Total Cover:	0/0		Hydrophytic		/	
% Bare Ground in Herb Stratum // % % Cover of Bio	tic Crust	%	Vegetation Present?	Yes (V	No	O Talkeria A
70 Date Cloude in Helb Chatain						David Company
Pomarke:						
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Sampling Point:  $\mathcal{G}\mathcal{A}$ 

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nches)	Color (moist)	%	Color (moist)	%	1	3 1000	Texture <sup>3</sup>	1	Remarks	and a
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	erred Visit Vi	7 6	E1 - 10 - 12 A	601	0 25 5		e met			
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	( shemañ ni atev	veda sina i	risigse bebeen ii)			Sautos	TT une	Larious I an	This Character	nal il
vne: C=C	oncentration, D=Depl	etion RM=	=Reduced Matrix.	<sup>2</sup> Location:	PL=Pore L	ining, RC=I	Root Char	nnel, M=Mat	rix.	3784
oil Texture	es: Clay, Silty Clay, S	andy Clay	, Loam, Sandy Clay	Loam, San	ndy Loam, C	lay Loam,	Silty Clay	Loam, Silt L	oam, Silt, Loamy Sand,	Sand
	ndicators: (Applicable						Indicator	s for Probler	matic Hydric Soils⁴:	
Histosol			Sandy Redo				1 cm	Muck (A9)	(LRR C)	
Histic E	pipedon (A2)		Stripped Ma	atrix (S6)				Muck (A10)		
Black H	istic (A3)		Loamy Muc					uced Vertic (		
Hydroge	en Sulfide (A4)		Loamy Gle		(F2)			Parent Mate		
	d Layers (A5) (LRR C	3)	Depleted M		E0)		Othe	er (Explain in	Remarks)	
	uck (A9) (LRR D)		Redox Dar							
	d Below Dark Surface	e (A11)	Depleted D							
	ark Surface (A12)		Vernal Poo		0)		<sup>4</sup> Indicato	rs of hydrop	hytic vegetation and	
	Mucky Mineral (S1) Gleyed Matrix (S4)		Veillairoo	15 (1 5)					y must be present.	
		ACDAR ME	D stal Ara Ol							
	Layer (if present):								,	
Type:										
	1 \	O HA CENT	Spec <del>us As</del>				Hydric S	oil Present?	Yes (P No C	
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PERPORT OF THE PROPERTY OF T	OGY rdrology Indicators: icators (any one indicators)	ator is suff	Salt Crus			Covar	ista i	condary India Water Mark Sediment I	cators (2 or more require ks (B1) (Riverine) Deposits (B2) (Riverine)	<u>d)</u>
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YDROLO Wetland Hy Primary Indi Surface High W Saturat Water I Surface Inundar Water-S Field Obse Surface Wa Water Table Saturation I	ordrology Indicators: icators (any one indicators) well water (A1) fater Table (A2) ion (A3) Marks (B1) (Nonriveriant Deposits (B2) (Nonriveriant Deposits (B3) (Nonriveriant Deposits (B6) ition Visible on Aerial I Stained Leaves (B9) rvations: inter Present?  Present?  Present?  yelliary fringe)	ine) nriverine) rine) magery (E  Yes ( Yes	Salt Crus Biotic Cru Aquatic In Hydroger Oxidized Presence Recent Ir Other (Ex) No Depth (i	ist (B12) invertebrate in Sulfide Oci Rhizosphe in of Reduce in Reduction (xplain in Re inches): inches): inches):	dor (C1) res along Li ed Iron (C4) on in Plowe emarks)	iving Roots d Soils (C6	Sec	condary India Water Mark Sediment D Drift Depos Drainage P Dry-Seasor Thin Muck Crayfish Bu Saturation Shallow Ad FAC-Neutr	cators (2 or more require ks (B1) (Riverine) Deposits (B2) (Riverine) Patterns (B10) In Water Table (C2) Surface (C7) urrows (C8) Visible on Aerial Imagery quitard (D3) al Test (D5)	die
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Primary Individual Surface Water Table Saturation Includes cape and the control of the control o	ordrology Indicators: icators (any one indicators) water (A1) fater Table (A2) for (A3) Marks (B1) (Nonriverse) for Deposits (B2) (Nonriverse) for Soil Cracks (B6) fition Visible on Aerial I Stained Leaves (B9) rvations: fater Present?  Present?  Present?  Present?  Y spillary fringe) for indicators:	ine) nriverine) rine) magery (E  Yes ( Yes	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	ist (B12) invertebrate in Sulfide Oci Rhizosphe in of Reduce in Reduction (xplain in Re inches): inches): inches):	dor (C1) res along Li ed Iron (C4) on in Plowe emarks)	iving Roots d Soils (C6	Sec	condary India Water Mark Sediment D Drift Depos Drainage P Dry-Seasor Thin Muck Crayfish Bu Saturation Shallow Ad FAC-Neutr	cators (2 or more require ks (B1) (Riverine) Deposits (B2) (Riverine) Patterns (B10) In Water Table (C2) Surface (C7) urrows (C8) Visible on Aerial Imagery quitard (D3) al Test (D5)	die
Primary Individual Surface Water Table Saturation Includes cape and the control of the control o	ordrology Indicators: icators (any one indicators) water (A1) fater Table (A2) for (A3) Marks (B1) (Nonriverse) for Deposits (B2) (Nonriverse) for Soil Cracks (B6) fition Visible on Aerial I Stained Leaves (B9) rvations: fater Present?  Present?  Present?  Present?  Y spillary fringe) for indicators:	ine) nriverine) rine) magery (E  Yes ( Yes	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	ist (B12) invertebrate in Sulfide Oci Rhizosphe in of Reduce in Reduction (xplain in Re inches): inches): inches):	dor (C1) res along Li ed Iron (C4) on in Plowe emarks)	iving Roots d Soils (C6	Sec	condary India Water Mark Sediment D Drift Depos Drainage P Dry-Seasor Thin Muck Crayfish Bu Saturation Shallow Ad FAC-Neutr	cators (2 or more require ks (B1) (Riverine) Deposits (B2) (Riverine) Patterns (B10) In Water Table (C2) Surface (C7) urrows (C8) Visible on Aerial Imagery quitard (D3) al Test (D5)	die T

andform (hillslope, terrace, etc.): trrace  Loca	59 7.5"  Slopes  Yes ( No ( )  Are "N	convex, none): slight convex Slope (%): 0 - Long: 1210 3414511 Datum: NAD  NWI classification:
Hydrophytic Vegetation Present? Yes No No No Westand Hydrology Present? Yes No Westand Hydrology Present? How was that dredge sy this area - Heavely disturbed.	Is the Sampled within a Wetland	Area
VEGETATION	<u>an enghræl strad sol</u> gaghid stad bessi	Particle of the Surface (Act)
Tree Stratum (Use scientific names.) % Cover Special S	ninant Indicator ecies? Status	Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC:  Total Number of Dominant Species Across All Strata:  Percent of Dominant Species That Are OBL, FACW, or FAC:  (A)  (B)
Sapling/Shrub Stratum		Prevalence Index worksheet:
1		Total % Cover of: Multiply by:
3. 4. 5.  Total Cover: %  Herb Stratum  1. Cun odva dactulon 95	y FAC	OBL species
2. Vitica divisia 2	FACW	Prevalence Index = B/A =
3. 4. 5. 6. 7. 8.  Total Cover: %  Woody Vine Stratum 1.	epit (make)  apti (make)  apti (make)  apti (make)	Hydrophytic Vegetation Indicators:  Dominance Test is >50%  Prevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
2. Total Cover: %	t %	be present.  Hydrophytic Vegetation Present?  Yes No
% Bare Ground in Herb Stratum 3 % % Cover of Biotic Crust  Remarks: 439, thatch.	t%	Present? Tes (P) NO (

Sampling Point: 83

Color (moist)	Texture <sup>3</sup> Remarks  Loan
0-16 104R242 494 10 4R 476 27 mac W	_ warn
Local relief (conceive conce)	
Left 2.2 (24 7 2 Long / 2 / 24 4 5 Datum / 4 / 24 4 6 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2	Wilder and the second admitted on
A 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	eignitie 1 geeggraableM . (ViSS has
(extense) dimietare on B) (a) No NeY Stead in entire	A SOLID STATE OF THE STATE OF T
Pool County of metals and transfer at the County of the Co	
	II 10: IS JEJU AIE HD HO AIG AI
2 Annual Control of the Control of t	Salvinorety to 1.1 Bos 1.1 montetar
naturalis problemetici. (If preded, explain any answers in Remarks.)	Dec Designation
a savideal lastronesi viennaesi saalteesi kiika asilamin ahunda	AND THE RESERVE OF THE PARTY OF
ype: C=Concentration, D=Depletion, RM=Reduced Matrix. <sup>2</sup> Location: PL=Pore Lining, F	RC=Root Channel, M=Matrix.
oil Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loam, Clay Lo	am, Silty Clay Loam, Silt Loam, Silt, Loamy Sand,
dric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils:
Histosol (A1) Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2) Stripped Matrix (S6)	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) Depleted Dark Surface (F7)	
Thick Dark Surface (A12) Redox Depressions (F8)	<sup>4</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Vernal Pools (F9)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	Wetland hydrology must be present.
Prayland index worksheet	
/DROLOGY	
/etland Hydrology Indicators:	Secondary Indicators (2 or more require
	Water Marks (B1) (Riverine)
	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
rimary Indicators (any one indicator is sufficient)  Surface Water (A1)  Salt Crust (B11)	Water Marks (B1) (Riverine)
rimary Indicators (any one indicator is sufficient)  Surface Water (A1)  Salt Crust (B11)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
rimary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Biotic Crust (B12)	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)
rimary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)
rimary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)
Surface Water (A1)  Sult Crust (B11)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Sult Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living R	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)
rimary Indicators (any one indicator is sufficient)  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 (B1)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living R	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)
Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Surface Water (A1)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living R  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagen
Surface Water (A1) Salt Crust (B11) High Water Table (A2) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Orift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Call Crust (B12) Biotic Crust (B12) Biotic Crust (B12) Biotic Crust (B12) Crust (B12) Biotic Crust (B12) Crust (B12) Aquatic Invertebrates (B13) Dydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Water-Stained Leaves (B9)	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagenty  Shallow Aquitard (D3)
rimary Indicators (any one indicator is sufficient)  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)  Field Observations:	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagenty  Shallow Aquitard (D3)
rimary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Crust (B12)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living R  Presence of Reduced Iron (C4)  Surface Soil Cracks (B6)  Recent Iron Reduction in Plowed Soils  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes  No  Depth (inches):	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagenty  Shallow Aquitard (D3)
Primary Indicators (any one indicator is sufficient)  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)  Water Table Present?  Yes No Depth (inches):  Nater Table Present?  Salt Crust (B11)  Salt Crust (B12)  Solic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living R  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils  Other (Explain in Remarks)  Water-Stained Leaves (B9)  Sulface Water Present?  Yes No Depth (inches):  No Depth (inches):	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagen  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Primary Indicators (any one indicator is sufficient)  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)  Field Observations:  Surface Water Present?  Ves No Depth (inches):  Water Table Present?  Yes No Depth (inches):  Water Table Present?	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagen  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Primary Indicators (any one indicator is sufficient)  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)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils  Other (Explain in Remarks)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Ves No Depth (inches):  Water Table Present?  Yes No Depth (inches):  Saturation Present?	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagen  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Primary Indicators (any one indicator is sufficient)  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)  Field Observations:  Surface Water Present?  Ves No Depth (inches):  Saturation Present?  Yes No Depth (inches):	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagen  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
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)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  No  Depth (inches):  Saturation Present?  Yes  No  Depth (inches):  Saturation Present?  Yes  No  Depth (inches):  Water Table Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagen  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  etland Hydrology Present? Yes No  s), if available:
Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections  Salt Crust (B11)  Salt Crust (B12)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living R  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils  Inundation Visible on Aerial Imagery (B7)  Other (Explain in Remarks)  Weter-Stained Leaves (B9)  Saturation Present?  Yes No Depth (inches):  Other (Explain in Remarks)  Weter-Table Present?  Yes No Depth (inches):  Other (Explain in Remarks)	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagen  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  etland Hydrology Present? Yes No  s), if available:
Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Drift Deposits (B2) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  No  Depth (inches):  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagen  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  etland Hydrology Present? Yes No  s), if available:
Surface Water (A1)	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagen  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  etland Hydrology Present? Yes No  s), if available:

WETLAND DETERMINATION DATA FORM - Arid West Region On Tra costa, Holland T. Sampling Date: Applicant/Owner: Water Desi Sampling Point: Investigator(s): Section, Township, Range: Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Aliah Subregion (LRR): C - Mediterranean California Lat: 320 Soil Map Unit Name: RINDGG NWI classification: Muck Are climatic / hydrologic conditions on the site typical for this time of year? Yes No ( (If no, explain in Remarks.) Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No C Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes ( No ( Hydric Soil Present? Yes A No @ Is the Sampled Area Wetland Hydrology Present? No C within a Wetland? VEGETATION Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Use scientific names.) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: (A) 2. Total Number of Dominant 3. Species Across All Strata: (B) 4 Percent of Dominant Species Total Cover: That Are OBL, FACW, or FAC: 100 % Sapling/Shrub Stratum 1. Prevalence Index worksheet: 2. Total % Cover of: Multiply by: 3. **OBL** species 4 **FACW** species x 2 = 5. **FAC** species **FACU** species Total Cover: x 4 =Herb Stratum **UPL** species x 5 = Column Totals: (B) Prevalence Index = B/A = 3 5 Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.01 Morphological Adaptations<sup>1</sup> (Provide supporting 40 DAG data in Remarks or on a separate sheet) NL Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) Total Cover: Woody Vine Stratum 1. <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present. 2. Total Cover: % Hydrophytic Vegetation % Bare Ground in Herb Stratum % Cover of Biotic Crust Present? Yes ( No ( Remarks:

Vetland Hydrology Indicators:	Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is sufficient)	Water Marks (B1) (Riverine)
Surface Water (A1) Salt Crust (B11)	Sediment Deposits (B2) (Riverine)
High Water Table (A2) Biotic Crust (B12)	Drift Deposits (B3) (Riverine)
Saturation (A3) Aquatic Invertebrates (B13)	Drainage Patterns (B10)
Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2)
Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living R	Roots (C3) Thin Muck Surface (C7)
Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils	s (C6) Saturation Visible on Aerial Imagery (C
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	FAC-Neutral Test (D5)
ield Observations:	
Surface Water Present? Yes No W Depth (inches):	
Vater Table Present? Yes No Depth (inches):	nutral and when
includes capillary ininger	etland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections	s), if available:
engisteney and a second	3104003 1820 1
m vegetation along edge. Soils	ccompanies the change
a assured 11 peoplagetta	·
	and a let not Catural-0

Project/Site: 2 gates, Old Run	en	ity/County	y: CCCo	Holland T	nact Samp	oling Date:	8/4/08
Applicant/Owner: Con ra Costa	Water Dis	7	2	State: CA	Samp	oling Point:	98
Investigator(s): T. Mahony, A.K.			ownship, Ra	nge: T2N	R48	, cu	30
Landform (hillslope, terrace, etc.):	ie	ocal relie	f (concave,	convex, none):	whit con	wex Slo	pe (%): 8
Subregion (LRR): C - Mediterranean Californ		70 59	(16.7	"Long: /2/0	34'58	il Datu	1
	Nuck			NWI cla	assification:		10/10
Are climatic / hydrologic conditions on the site typ		r? Yes (	No (	(If no, explain	n in Remark	s.)	
Are Vegetation   Soil   or Hydrology	significantly d	-		"Normal Circumstan	ces" presen	t? Yes	No C
Are Vegetation Soil or Hydrology	naturally prob			eeded, explain any a			
SUMMARY OF FINDINGS - Attach si							atures etc
Sommart of Theblives - Attach si	/ / /	T	g point it	Journal, trains	coto, imp	Ortant ic	atures, etc.
Hydrophytic Vegetation Present? Yes (		Sandy Lo				Clay, Silly C	sesutxeT lio2f
Hydric Soil Present? Yes (			ne Sampleo		e of sidsollo		
Wetland Hydrology Present? Yes (	No Ø	with	nin a Wetla	nd? Yes	0 1	No O	PQ 1080/2[H ]
Remarks: On topographics	elly higher	are	ia th	on JA.			
	0 0						
Georgiana of americal tech	8. AT-1	<u> </u>	ng minera de	report -	(D 89)	) (CA) craye	Stratified Li
VEGETATION							
Tree Stratum (Use esigntific names)		Dominant		Dominance Test	worksheet	A) BOBING	WAU ASIAT
Tree Stratum (Use scientific names.)  1.	% Cover	Species?	Status	Number of Domin That Are OBL, FA			(A)
2.						seemath ter	And evitoistans
3.				Total Number of D Species Across A		3 0	(B)
4.	anager						mons regard
	Total Cover: %			Percent of Domina That Are OBL, FA			% (A/B)
Sapling/Shrub Stratum							70 (43-7)
1.				Prevalence Index Total % Cove			v bv
3.				OBL species	1 01.	Multipl x 1 =	y by.
4.		<del></del>		FACW species		x 2 =	0 555
5. (MINIPOLE) (18) SAISIN ISSAV				FAC species		x 3 =	0 ====
Sediment Deposits (BZ) (Riverine)	Total Cover: %		(11 <b>8</b> ) leunC	FACU species		x 4 =	0
Herb Stratum			0 nust (812	UPL species		x 5 =	0
1. Bromus diandrus	40	9	NL	Column Totals:		(A)	(B)
2. Hordeum murinam	30	ÿ	NL	Prevalence	Inday - P/A	юМ) (18) ax	W44614
3. Cynodon daetylon	30	y	FAC	Hydrophytic Veg			
5.	GCD alloli Kaumii	<del>l el estitu</del>	to Provide	Dominance T			
6. (60) hashin A wallanta		odromo O.,	<del>al alutações d</del>	Prevalence In			
7.				Morphologica	I Adaptation	s <sup>1</sup> (Provide	supporting
8.				data in Re	marks or on	a separate	sheet)
Т	otal Cover: %		(earlos) de	Problematic H	lydrophytic '	Vegetation <sup>1</sup>	(Explain)
Woody Vine Stratum	/9			Allerdinestern left bred	) gay	17.00	A sideT reteyV
1. S off See Smarred veoler	byH basilsW		- 10 m m m m 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<sup>1</sup> Indicators of hyd be present.	ric soil and	wetland ny	arology must
2	Total Covers	, pre-liqu	edada lahar	Hydrophytic	means	A MANUTE MANUEL	
	Total Cover: %			Vegetation			/
% Bare Ground in Herb Stratum	% Cover of Biotic Cru	ust	%	Present?	Yes 🔿	No @	Remarks
Remarks:				00			
10 1 0 0 1						The state of the state of the	manufacture bullets for

Sampling Point: 9B

Depth	Matrix	- 0/		x Features				•	
(inches)	Color (moist)		Color (moist)		Type 1	Loc <sup>2</sup>	Textu	re <sup>3</sup>	Remarks
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	WHAT SE			ioneo) leik	Local re			Are yout?	Total strengt anniallis
MAN M	Sall Date	WE 211	N mod F	N. V. W.	3 6-6	186			And the second tendence of
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		and the second second					HUCKE		Michigan /City
10.11.07	erains)	Ray misique	on to O ex						
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		<del></del>			STREET HOWARDS	of framework		(2000) Per 10	Hog Japan
.219 .861UM	important te	<u>digeanani</u>	nt locations.	ios pail	omsa p	ntworte	dam el	is dostla	- adelnivia an va
Type: C=Conc	entration, D=Depl	etion, RM=R	educed Matrix.	Location	: PL=Pore	Lining, RO	C=Root C	hannel, M=M	atrix.
Judria Sail India	clay, Silly Clay, S	andy Clay, L	oam, Sandy Clay	Loam, Sar	ndy Loam	, Clay Loar			t Loam, Silt, Loamy Sand,
Histosol (A1	ators: (Applicable	e to all LRRs,							ematic Hydric Soils:
Histic Epipe			Sandy Redo Stripped Ma					cm Muck (A9	
Black Histic			Loamy Muc		(E1)			cm Muck (A1	
Hydrogen S			Loamy Gley					educed Vertice ed Parent Ma	
	yers (A5) (LRR C		Depleted M		(12)			ther (Explain	
	(A9) (LRR D)	,	Redox Dark		F6)			ther (Explain	in Remarks)
	low Dark Surface	(A11)	Depleted D	,	,				
Thick Dark S	Surface (A12)	Now key so	Redox Dep		, ,				
Sandy Muck	xy Mineral (S1)	8 Insnimed t	Vernal Pool	s (F9)			<sup>4</sup> Indica	ators of hydro	phytic vegetation and
Sandy Gley	ed Matrix (S4)		That Are C						gy must be present.
Type: Depth (inchesemarks:		Der promitioner promition of the comment of the com	Species Augustion And Are Control Prevalent			Ter	Hydric	Soil Present	? Yes No P
Depth (inches	or FAC: Sagariasis	ober per Domeine October State of State	Treaten			16'	Hydric	Soil Present	? Yes No P
Depth (inches	or FAD: Segri	ow xabril ib	That Are C			161	/o∂ leteT		Sprub Stratum
Depth (inchest Remarks:  YDROLOGY  Vetland Hydrol	ogy Indicators:	index wo	Prevalent Total OBL spac			101	/o∂ leteT		? Yes No P
Depth (inchest Remarks:  YDROLOGY  Vetland Hydrol	or FAD: Segri	index wo	Prevalent Total OBL spac			761	/o∂ leteT	econdary Indi	Sprub Stratum
Depth (inchest Remarks:  YDROLOGY  Vetland Hydrol	ogy Indicators: rs (any one indica	index wo	Prevalent Total OBL spac	(B11)		10	/o∂ leteT	econdary Indi	icators (2 or more required
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Project/Site: 2 gates, old River	City/0	County:	Holland Tr	goT Sar	npling Date	=: 8/4/08
	- Water OIST	LCW)	State: (	A	npling Poir	01.1.0
nvestigator(s): T. Mahony, A. R		ion, Township, Ra		2 / /	-	
andform (hillslope, terrace, etc.):		al relief (concave,		7 .	(	C 30
Subregion (LRR): C - Mediterranean Californi		59118=	a A		11	Slope (%): 0 - 6
		97 18.	20119. 121	classification		atum: NAO 8
Are climatic / hydrologic conditions on the site typi	Muck	Yes No (		ain Remai		
Are Vegetation   Soil   or Hydrology	significantly distu		"Normal Circumsta			O N. O
Are Vegetation Soil or Hydrology	naturally problem					
			eeded, explain any			
SUMMARY OF FINDINGS - Attach sit	e map showing san	ipling point l	ocations, trans	sects, im	portant	features, etc.
Hydrophytic Vegetation Present? Yes	No (	Jay Loam, Sant	lay, Loam, Sandy	Si yi basa ya	ey, Sity C	NO resident light
Hydric Soil Present?	No (	Is the Sample	l Area	the stay of		
Wetland Hydrology Present? Yes	No (	within a Wetla	nd? Ye	s (V	No O	
Remarks:	2 100	Richard and the same and	CONTRACT OF STREET		Carry Or	Anapies court
/EGETATION	(73	ed Dark Surface (	seiges).	TAL south	e dan dan da 18 SheG sw	ny positre mont
		inant Indicator	Dominance Tes	workshee	t:	E MACHERIA
Tree Stratum (Use scientific names.)	% Cover Spec	cies? Status	Number of Dom			Sensy Mucky
1		<u> </u>	That Are OBL, F	ACW, or FA	C: /	0 (A)
3.			Total Number of			
4.	a solves		Species Across	All Strata:	1	(B)
	otal Cover: %		Percent of Domi That Are OBL, F			(A/D)
Sapling/Shrub Stratum					1.4	% (A/B)
1.			Prevalence inde			
3.			Total % Cov	er of:		iply by:
4.			OBL species FACW species		x 1 =	0
5.			FAC species		x 2 = x 3 =	
AND PROPERTY (CRE) of AND	otal Cover: %	(118) seus	FACU species		x 4 =	0
Herb Stratum			UPL species		x 5 =	0
1. Lolium multiflorum	85 v	1 PAC	Column Totals:		(A)	() (B)
2. Danthium strumarium	5	FACT	Dravalana	Janeton - D/	held (18)	
3. Rumex crispus		FACW.	Hydrophytic Ve	e Index = B/		
5. hotus corniculatus	5	FAC	Dominance			
6.	7.606(6)	rand minima 33 s	Prevalence			
7.						le supporting
8.				emarks or o		
	otal Cover: %	1838080 0	Problematic	Hydrophytic	Vegetatio	n¹ (Explain)
Woody Vine Stratum			Indicators of his	dita and and		
1. O off O sev Stresser vocion	WH britished how		<sup>1</sup> Indicators of hy be present.	dric soil and	wetland i	hydrology must
2	otal Cover: %	enal photos, prov	Hydrophytic	AGILOR POR CONTRACTOR		<u> </u>
			Vegetation		,	
% Bare Ground in Herb Stratum %	% Cover of Biotic Crust	%	Present?	Yes 🕜	No	O <sub>4</sub> sobjection
Remarks:						

-	-		
5	O	ш	

US Army Corps of Engineers

inches)	Matrix Color (moist)	%	Color (m		x Features %	Type 1	Loc <sup>2</sup>	Texture <sup>3</sup>	Remarks
0-16	10 yr 2/1	95	LOYR	4/8	5	C	m	Iram	Artonias III (areas
9.6	) egold Jynn 17(1)	trools.	(enen kev	noe jeva	saries) talis	n legaJ	/ yekts	and metals and	A (Die cosnet egosilid) m
. USVA	muted 17 F 8 1	1639	\$1 pro	45	<u> </u>	1 º 7-E	teu	eignáile 9 r	menscraftlahi - D:(88.j) ad
	/ Mana	am a sao na	W.	200				7.7/2 3.7	CNLA emektabliq
f) eH	7) say Stoppano	The state of the s	aunol'h kom	AUP and	660	IST TEST	to sent and	101 leaving rate only	Ro ansilibreo organolyti i pitar
	rs in Remarks )	r s na yna	resione be	theen the	9.0	en encent qu Haranekii	attentingse t ulleurbee	T Aboloseke	to [ lie8 ] Hollades
oto ,eon	important featu	s Fogans	ti .anoiti	sool to	ioa nail	amaa n	abwuta a	cen all a densit	W   1 POS   BRIDER
	concentration, D=Deple				<sup>2</sup> Location:	: PL=Pore	Lining, RC=	Root Channel, M=	Matrix.
	ndicators: (Applicable					ndy Loam,	Clay Loam,		Silt Loam, Silt, Loamy Sand, Sa
Histoso		to all Little		dy Redo				1 cm Muck (A	blematic Hydric Soils:
	pipedon (A2)			130 100 120	atrix (S6)			2 cm Muck (A	BUILD IN AND IN
Black H	istic (A3)				ky Mineral	(F1)		Reduced Ver	
Hydroge	en Sulfide (A4)				ed Matrix				Material (TF2)
Stratifie	d Layers (A5) (LRR C)				atrix (F3)				n in Remarks)
1 cm M	uck (A9) (LRR D)		Red	dox Dark	Surface (I	F6)			
Deplete	d Below Dark Surface	(A11)	Dep	oleted Da	ark Surface	e (F7)			
Thick D	ark Surface (A12)		Red	dox Depi	ressions (F	8)			
Sandy N	Mucky Mineral (S1)		Ver	nal Pool	s (F9)	ilpeq!		<sup>4</sup> Indicators of hyd	rophytic vegetation and
	Gleyed Matrix (S4)	JACAR JE	IO suA ted						ogy must be present.
strictive	Layer (if present):					Control of the second state of the second			
Type:									
Type: Depth (in		s like	ely i	obsc	uring	like	ely st	Hydric Soil Prese	nt? Yes & No C
Type: Depth (in marks:	Oarh soil	2 lih	ely o	obs ci	uring	like	ely st	Hydric Soil Prese	nt? Yes No C
Type: Depth (in marks:	Oarh soil	s lik	ely (	olsc	uring	liki	ely st	vonger M	edox features.
Type: Depth (in marks:	Oarh soul,  GY  drology Indicators:	OW XUS	coneisver - Mass <sup>2</sup> eibegs 18C - ACV specie	obs co	uring	liki	ely st	Vonger M	edox features.
Depth (in marks: DROLO etland Hy mary India	Oark soul,  GY  drology Indicators: cators (any one indicat	OW XUS	ient)			liki	ely st	Secondary Ir	edox features.  Indicators (2 or more required)  arks (B1) (Riverine)
DROLO etland Hy mary Indic	GY drology Indicators: cators (any one indicat	OW XUS	ient)	ılt Crust	(B11)	like	ely st	Secondary Ir	ndicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine)
Type: Depth (in marks: DROLO etland Hy mary Indic Surface High Wa	Oark souls  GY  drology Indicators: cators (any one indicators) Water (A1) ater Table (A2)	OW XUS	ient) Sa Bio	alt Crust	(B11) t (B12)		ely st	Secondary Ir  Water M Sedimer  Drift Dep	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) posits (B3) (Riverine)
DROLO etland Hy mary Indic Surface High Wa Saturatic	Oark souls  GY  drology Indicators: cators (any one indicat  Water (A1) ater Table (A2) on (A3)	or is suffici	ient) Sa Bic	It Crust optic Crus	(B11) t (B12) vertebrates	(B13)	ely st	Secondary Ir  Water M Sedimer  Drift Dep	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) arks (B3) (Riverine) arks (B3) (Riverine)
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DROLO  Surface High Water M Sediment	drology Indicators: cators (any one indicat Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverin nt Deposits (B2) (Nonri	or is suffici	ient) Sa Bio	olt Crust otic Crus uatic Inv drogen S	(B11) it (B12) vertebrates Sulfide Odd	(B13) or (C1) es along L	ely st	Secondary Ir  Water M Sedimer Drift Dep Drainage Dry-Sea: (C3)	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) assits (B3) (Riverine) a Patterns (B10) son Water Table (C2) ack Surface (C7)
DROLO  Petland Hy mary India Surface High Water M Sedimen Drift Dep	drology Indicators: cators (any one indicators) water (A1) ater Table (A2) on (A3) larks (B1) (Nonrivering the posits (B2) (Nonrivering the posits (B3) (Nonriver	or is suffici	ient) Sa Bio	It Crust otic Crus uatic Inv drogen S idized R esence c	(B11) It (B12) Vertebrates Sulfide Odd	(B13) or (C1) es along L l Iron (C4)	ely st	Secondary Ir  Water M Sedimer Drift Dep Drainage Dry-Sea: (C3) Thin Mu	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) assits (B3) (Riverine) a Patterns (B10) son Water Table (C2) ack Surface (C7) Burrows (C8)
Type: Depth (in marks: DROLO Itland Hy mary India Surface High Water M Saturatio Water M Sedimel Drift Dep	drology Indicators: cators (any one indicators) water (A1) ater Table (A2) on (A3) larks (B1) (Nonrivering the Deposits (B2) (Nonrivering Cosits (B3) (Nonrivering Soil Cracks (B6)	e) riverine)	ient) Sa Bio Aq Hy Ox Re	olt Crust otic Crus quatic Inv drogen S didized R esence c	(B11)  It (B12)  Vertebrates  Sulfide Ode  Ihizosphere  If Reduced  Reductio	(B13) or (C1) es along L I Iron (C4) n in Plowe	ely st	Secondary Ir  Water M Sedimer Drift Dep Drainage Dry-Sea: (C3) Thin Mu	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) assits (B3) (Riverine) a Patterns (B10) son Water Table (C2) ack Surface (C7) Burrows (C8)
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DROLO etland Hy mary India Saturatia Water M Sedimer Drift Dep Surface Inundati Water-S	drology Indicators: cators (any one indicators) water (A1) ater Table (A2) on (A3) larks (B1) (Nonrivering to Deposits (B2) (Nonrivering cosits (B3) (Nonrivering cosits (B3) (Nonrivering cosits (B3) (Nonrivering cosits (B6) on Visible on Aerial Impatained Leaves (B9)	e) riverine)	ient) Sa Bio Aq Hy Ox Re	lt Crust otic Crus quatic Inv drogen S didized R esence c	(B11)  It (B12)  Vertebrates  Sulfide Ode  Ihizosphere  If Reduced  Reductio	(B13) or (C1) es along L I Iron (C4) n in Plowe	ely st	Secondary Ir  Water M Sedimer Drift Dep Drainage Dry-Sea: Crayfish Saturatic Shallow	adicators (2 or more required) arks (B1) (Riverine) arks (B3) (Riverine) arks (B3) (Riverine) arks (B3) (Riverine) arks (B4) (Riverine)
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DROLO etland Hy mary India Saturatia Water M Sedimen Drift Dep Surface Inundati Water-Seld Observated	Oark Sorilla  GY  drology Indicators: cators (any one indicate Water (A1) ater Table (A2) on (A3)  larks (B1) (Nonrivering the Deposits (B2) (Nonrivering Soil Cracks (B6) on Visible on Aerial Implementation of Leaves (B9)  vations: er Present? Yes	e) riverine) ne) agery (B7)	ient)  Sa Bio Aq Hy Ox Pro Re Ott	olt Crust otic Crus uatic Inv drogen s idized R esence c ecent Iron her (Exp	(B11)  vertebrates Sulfide Ode chizosphere of Reduced n Reductio lain in Ren	(B13) or (C1) es along L I Iron (C4) n in Plowe	ely st	Secondary Ir  Water M Sedimer Drift Dep Drainage Dry-Sea: Crayfish Saturatic Shallow	adicators (2 or more required) arks (B1) (Riverine) arks (B2) (Riverine) arks (B3) (Riverine) arks (B3) (Riverine) arks (B4) (Riverine) arks (B5) (Riverine) arks (B6) (Riverine) arks (B7) (Riverine) arks (B8) (Riverine) arks (B1) (Riverine) arks (B10) (Riverine) arks (B10
DROLO etland Hy mary India Surface High Wa Sedimer Drift Dep Surface Inundati Water-Seld Observater Table turation Preservation	drology Indicators: cators (any one indicat Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriverin nt Deposits (B2) (Nonriverin cosits (B3) (Nonriverin Soil Cracks (B6) on Visible on Aerial Im tained Leaves (B9) vations: er Present? Present? Yes resent? Yes	e) iverine) ne) agery (B7)	ient)  Sa Bio Aq Hy Ox Pre Co Ott	olt Crust of the Crustic Crustic Investment of the Crustic Investment of the Crustic Investment Iron of the Central Iron	(B11) It (B12) Vertebrates Sulfide Odd Inizosphere Of Reduced In Reductio Ilain in Ren	(B13) or (C1) es along L I Iron (C4) n in Plowe	iving Roots ad Soils (C6)	Secondary Ir  Water M Sedimer Drift Dep Drainage Dry-Sea (C3) Thin Muc Crayfish Saturatic Shallow FAC-Net	adicators (2 or more required) arks (B1) (Riverine) arks (B1) (Riverine) arks (B3) (Riverine) arks (B3) (Riverine) arks (B4) (Riverine) arks (B5) (Riverine) arks (B6) (Riverine) arks (B7) (Riverine) arks (B8) (Riverine) arks (B7) (Riverine) arks (B8) (Riverine) arks (B7) (Riverine)
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### WETLAND DETERMINATION DATA FORM - Arid West Region Hollaun Trad Sampling Date: Applicant/Owner: C A Sampling Point: Section, Township, Range: Investigator(s): 1245 Local relief (concave, convex, none): Convex Landform (hillslope, terrace, etc.): Subregion (LRR): C - Mediterranean California Lat: Datum: NAD Soil Map Unit Name: RINDGE NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes No ( (If no, explain in Remarks.) Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No C Are Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes ( No ( Hydric Soil Present? Yes No ( Is the Sampled Area Wetland Hydrology Present? Yes No @ within a Wetland? Yes C No O Remarks: distinct from IOA. VEGETATION Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Use scientific names.) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: 2. Total Number of Dominant 3. Species Across All Strata: 4. Percent of Dominant Species Total Cover: That Are OBL, FACW, or FAC: Sapling/Shrub Stratum 1. Prevalence Index worksheet: 2 Total % Cover of: Multiply by 3. **OBL** species 4. **FACW** species x 2 = 5. FAC species FACU species Total Cover: Herb Stratum **UPL** species Column Totals: (B) 10 Prevalence Index = B/A = 3. eum marinun Hydrophytic Vegetation Indicators: 4. Dominance Test is >50% 5 20 FACIL Prevalence Index is ≤3.01 6. Morphological Adaptations<sup>1</sup> (Provide supporting FAC data in Remarks or on a separate sheet) 8. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) Total Cover: Woody Vine Stratum

Total Cover: %

% Cover of Biotic Crust

Remarks:

% Bare Ground in Herb Stratum

<sup>1</sup>Indicators of hydric soil and wetland hydrology must

Yes (

be present.

Hydrophytic Vegetation

Present?

Depth Matrix (inches) Color (moist) %	Redox Features  Color (moist) % Type 1 Loc2	
/	1)10	Texture <sup>3</sup> Remarks
0-16 10 9/2 2/2 99	104846 1 C M	loan
Cayoung Slope (N) de	Local relief (cercave, convex, none):	The Control of the second seco
	Lat 379 59 12 1 1000 121	an approx Nedbornous Cabillation
No circulturali cetion	VA 3	
volum Permarks )	e and the contract of the cont	TI H 13 / 3 / 98 / 91 / 31 / 3 / 3 / 3 / 3 / 3 / 3 / 3 / 3 /
Contact of in turning	and the state of t	titi to tipologic coliulisum on the site typical for titi
1 on ) say Sinesen Treoniste	significantly desturbed? Are "Hormal Cacum	reckabys to 1 sec 1 mailing
Cohenses in ensuring you	earuesty strokkonatio? (3 needed, explain t	The section of the se
nto morning of territory		Testings
ype: C=Concentration, D=Depletion, RM=	Poducod Matrix 21 and 21 Policy Diagram	dam eliz risettă - 20/00/19 30 yaz
soil Textures: Clay, Silty Clay, Sandy Clay	Reduced Matrix. <sup>2</sup> Location: PL=Pore Lining, Ro , Loam, Sandy Clay Loam, Sandy Loam, Clay Loar	C=Root Channel, M=Matrix.
rdric Soil Indicators: (Applicable to all LRF	Rs. unless otherwise noted )	Indicators for Problematic Hydric Soils:
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	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)	
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12)	Redox Depressions (F8)	
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	41maliantana of harden but in the state of t
Sandy Gleyed Matrix (S4)	Tomar roots (10)	<sup>4</sup> Indicators of hydrophytic vegetation and
estrictive Layer (if present):	OV 534 1911	wetland hydrology must be present.
transmoft to re		
Type:		
Depth (inches):		Hydric Soil Present? Yes No W
	90 ot 4 fent (2000) ten	Hydric Soil Present? Yes No (V
emarks: DARI 10 MYDARI 11	90 et A fen T   162 300 - 164   165	Hydric Soil Present? Yes No O
DROLOGY	90 etA fenT per see see see see see see see see see s	Total Communication
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DROLOGY etland Hydrology Indicators: mary Indicators (any one indicator is suffic		Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)
DROLOGY  etland Hydrology Indicators: mary Indicators (any one indicator is suffic	Salt Crust (B11)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)
DROLOGY etland Hydrology Indicators: mary Indicators (any one indicator is suffice) Surface Water (A1) High Water Table (A2)	Salt Crust (B11) Biotic Crust (B12)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)
PROLOGY  etland Hydrology Indicators: mary Indicators (any one indicator is suffice)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)
DROLOGY etland Hydrology Indicators: mary Indicators (any one indicator is suffice Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	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)
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emarks:  DROLOGY  etland Hydrology Indicators: imary 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)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  eld Observations:  rface Water Present? Yes Nater 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 (Ci Other (Explain in Remarks)  Depth (inches): Depth (inches): Uepth (inches): Wetlan	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 (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
emarks:  DROLOGY  etland Hydrology Indicators: imary 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)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  eld Observations:  rface Water Present? Yes Nater 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 (Ci Other (Explain in Remarks)  Depth (inches): 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 (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
emarks:  POROLOGY  Setland Hydrology Indicators:  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)  Seld Observations:  Inface Water Present?  Attraction Present?  Ves Notater Table Present?  Ves Notater Table Present?  Notater Table Present?  Ves Notater Table Present?  Ves Notater Table Present?  Notater Table Present?  Ves Notater Table Present?  Notater Table Present?  Ves Notater Table Present?  Notater Table Present?  Notater Table Present?  Ves Notater 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 (Ci Other (Explain in Remarks)  Depth (inches): Depth (inches): Uepth (inches): Wetlan	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 (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
emarks:  POROLOGY  Setland Hydrology Indicators:  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)  Beld Observations:  Inface Water Present?  Attraction 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 (Ci Other (Explain in Remarks)  Depth (inches): Depth (inches): Depth (inches): Wetlan	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 (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
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process  pro	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 (Ci Other (Explain in Remarks)  Depth (inches): Depth (inches): Depth (inches): Wetlan	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 (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
DROLOGY  etland Hydrology Indicators: mary 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)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Id Observations:  face Water Present? Yes Noter Table Present? Yes Note Table Present? Yes Not	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 (Ci Other (Explain in Remarks)  Depth (inches): Depth (inches): Depth (inches): Wetlan	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 (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)

Project/Site: 2 gazes, Old Diver City/County: A/A	2. Holland Tract Sampling Date: 8/4/08
Applicant/Owner: Contra CostA Water Dist.	State: (A Sampling Point:
Investigator(s): T. Marrony, A. Richan Section, Township, R	- Marine
Landform (hillslope, terrace, etc.): ditch Local relief (concave	1-1,101,300
Subregion (LRR): C - Mediterranean California Lat: 37° 59′22″	21/1000
Soil Map Unit Name: RINDGE Muck	Long: 1210 34 57" Datum: NAD 8
Are elimetic / hydrele ris and this	NWI classification:
A 14 1 1	"Normal Circumstances" present? Yes No No
	needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes ( No (	Solf Textures: Clay, Silty Clay, Sendy Clay, Loam, Sandy C
Hydric Soil Present? Yes 🕡 No 🕟 Is the Sample	d Area
Wetland Hydrology Present? Yes No No within a Wetla	and? Yes ( No (
Remarks: Located in man-made dramage de	
pasture. Channel is 14ft. in whath.	American Conference of the Curve
VEGETATION	(0 xx/2) (0x/2) state 1 segister(0.1)
at Dark owners, to 1	Cepleted Below Dent Burtiste (Ad t) Deplete
Tree Stratum (Use scientific names.)  Absolute Dominant Indicator % Cover Species? Status	Dominance Test worksheet:
Meserto ed leum ygolobyd bristlev	Number of Dominant Species That Are OBL, FACW, or FAC: 26 (A)
2.	tionseem nature a suffrage of
3.	Total Number of Dominant Species Across All Strata: (B)
4.	1900
Sapling/Shrub Stratum	Percent of Dominant Species That Are OBL, FACW, or FAC: // 6 % (A/B)
1.	
2.	Prevalence Index worksheet:  Total % Cover of: Multiply by:
3.	OBL species
4.	FACW species x 2 = 0
5.	FAC species x 3 = 0
Total Cover: %	FACU species x 4 = 0
Herb Stratum	UPL species x 5 = 0
1. Jameus effusus 50 4 OBL	Column Totals: (A) (B)
2. Rubus discolor to y FAC	
3. Festuca arundinacea 5 FAC-	Prevalence Index = B/A =
Urtica dioicia I FACW	Hydrophytic Vegetation Indicators:
5. Longza canadeusis 3 FAC	Dominance Test is >50%
6.	Prevalence Index is ≤3.0¹
8.	Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
Table	Problematic Hydrophytic Vegetation (Explain)
Woody Vine Stratum	Water Table Pleasniff Yes (C No C De
1. ) old (cerion) its	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2. estdellava 8. (esteccaegani audiyano soforto laha	be present.
Total Cover: %	Hydrophytic
% Bare Ground in Herb Stratum 7 % % Cover of Biotic Crust %	Vegetation Present? Yes ( No ( )
Remarks:	riesent? Yes (V) No (

ampling	Point:	to A	11 A
ampling	Point.	10/1	1

Depth	Matrix			Features				•	
(inches)	Color (moist)		Color (moist)	%	Type 1	Loc <sup>2</sup>	Textu	re <sup>3</sup>	Remarks
0-16	104R2/1	95	109R 4/6	5	C	m	loa	m	
-(4) (68) 1	Slope	W. 1075. 1	eve, comiez, cone)	oneo) tella	Localn			18 12 V	· I also assessed an elabelt wa
9 AKU	weeted With	115 3	f to work to the	66 Y 6	7 0 5 6			2 2 2 2	The state of the s
D 7213 AV	100000	Fig. 1	7.1 Aug.		150	- 18.	- 81		son (LERY) () - Mediterrane
	inoits	oliteasio BN	ir .				HUE	906	
							seal for th	gyt atte artf no	nako / hydralogic conditions o
Ti old	Wasenth Yes (W	o "Reconstant	Are "Mercel Circum	- Ch	artu maile u	terminario	100		The Transmission
					an installed	- ravanings		Elithostalia in	1 HOG   Hountain
	( zasnen a z	Saveras gris	risigxe ,bebesn II)	Ye	ndem slaci	g yhenden		or Hydrology	geteten) Soil
ures, etc.	important fea	atbeans:	nt locations in	loo pali					
	ncentration, D=Dep			<sup>2</sup> Location	: PL=Pore	Lining, R	C=Root C	hannel, M=M	atrix.
				Loam, Sa	ndy Loam	, Clay Loa	m, Silty C	lay Loam, Silt	t Loam, Silt, Loamy Sand, Sa
		e to all LRR	ts, unless otherwise	noted.)			Indica	tors for Probl	ematic Hydric Soils:
Histosol (			Sandy Redo					cm Muck (A9	
	pedon (A2)		Stripped Ma					cm Muck (A1	
Black His			Loamy Muc					educed Vertic	
	Sulfide (A4)		Loamy Gley		(F2)			ed Parent Ma	
	Layers (A5) (LRR C	•)	Depleted M		(FC)			ther (Explain	in Remarks)
	k (A9) ( <b>LRR D</b> ) Below Dark Surface	(Δ11)	Redox Dark Depleted Da						
	k Surface (A12)	(////	Redox Depi		, ,				
	icky Mineral (S1)		Vernal Pool		10)		4Indica	store of budro	phytic vegetation and
	eyed Matrix (S4)			3 (1 0)					gy must be present.
	yer (if present):	200000000000000000000000000000000000000	PU SHI MARA				1	tiaria riyarolog	gy mast be present.
Type:	ins								
Type:	ins tal	nimo() to se out? NA serv	Total Number						
Depth (inch	ins tal	nimo() to re	Total Numb				Hydric	Soil Present	? Yes No O
(4)	ins tal	er of Comin	drau NajoT mA. sejoseg8				Hydric	Soil Present	?? Yes No No
Depth (inch	ins tal	er of Comin wee All Stra St. FACW,	Total Numb			10	Hydric	Soil Present	?? Yes No No
Depth (inch	ins tal	er of Somin was All Stra sometiment of St. FACW.	Total Numb Species 5x Species 5x That Are Of			10	Hydric	Soil Present	?? Yes No No
Depth (inch	nes):	er of Somin wee Sil Sha Sil, FACW, Lindex wor	Total Number Total Species And That Are OF			19	Hydric	Soil Present	?? Yes No No C
Depth (inches Remarks:	iY	er of Comin set share set FACW, index wor	Total Number Species Acc Office Offic			18	Hydric	Soil Present	?? Yes No No
Depth (inches Remarks:	nes):	er of Comin	Total Number Species Acc. That Are Oil Fevalance Total Species Total Species Total Species			10	Fetal Cov		? Yes No No
Depth (inch Remarks: YDROLOG Vetland Hydi	iY	ator is suffic	dmul/ isloT sA seldegi3 iC etA isdT sonstevatC seldegi3 seldegi3 seldegi3 seldegi3 seldegi3 seldegi3 seldegi3			10	Fetal Cov	econdary Ind	mulad2 durid2lgor
Depth (inch Remarks: YDROLOG Vetland Hydi	rology Indicators: tors (any one indica	ator is suffic		(B11)		10	Fetal Cov	secondary Ind	icators (2 or more required)
Depth (inche Remarks:  YDROLOG  Vetland Hydromary Indicator  Surface V	rology Indicators: tors (any one indica	ator is suffic	Salt Crust			10	Fetal Cov	Secondary Ind Water Mai	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine)
Depth (inche Remarks:  YDROLOG  Vetland Hydr  Primary Indicat  Surface W  High Wate	rology Indicators: tors (any one indicators (A1) er Table (A2)	ator is suffic	Salt Crust Biotic Crus	t (B12)	s (B13)	18	Fetal Cov	Secondary Ind Water Mai Sediment Drift Depo	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine)
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Depth (inche Remarks:  YDROLOG  Vetland Hydr  Primary Indication  Surface W  High Water  Saturation  Water Ma	rology Indicators: tors (any one indicators) ter (A1) er Table (A2) i (A3) rks (B1) (Nonriveri	ne)	Salt Crust Biotic Crust Aquatic Inv	t (B12) vertebrate: Sulfide Oc	dor (C1)	Living Room	S S S S S S S S S S	Secondary Ind Water Mai Sediment Drift Depo Drainage	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2)
Primary Indica Surface W High Wate Saturation Water Ma Sediment	rology Indicators: tors (any one indicators: for Table (A2) (A3) rks (B1) (Nonriveriant Deposits (B2) (Norriveriant Deposits (B2) (Norriveriant)	ne) nriverine)	Salt Crust Biotic Crus Aquatic Inv Hydrogen Oxidized R	t (B12) vertebrate Sulfide Oc hizospher	dor (C1) res along		S S S S S S S S S S	Secondary Ind Water Mai Sediment Drift Depo Drainage I Dry-Seasc	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7)
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Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo	rology Indicators: tors (any one indicators (any one indicators) atter (A1) atter (A2) a (A3) atter (B1) (Nonriveriant Deposits (B2) (Nonriveriant Deposits (B3) (Nonriveriant Cracks (B6) a Visible on Aerial In	ne) nriverine) ine)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron	t (B12) vertebrate: Sulfide Oc hizospher of Reduce n Reduction	dor (C1) res along d Iron (C4 on in Plow	4)	ts (C3)	Secondary Ind Water Man Sediment Drift Depo Drainage Dry-Seasc Thin Muck Crayfish B Saturation Shallow A	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7) Burrows (C8) Visible on Aerial Imagery (Cs) quitard (D3)
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Primary Indicators Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Statical Observators	rology Indicators: tors (any one indicators: Table (A2) tors (B3) tors (B1) (Nonriveriors tors (B3) (Nonriveriors tors (B3) (Nonriveriors tors (B3) (Nonriveriors tors (B4) (Nonriveriors to	ne) irriverine) ine) magery (B7)	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Other (Exp	t (B12) vertebrate: Sulfide Oct hizospher of Reduce n Reductic lain in Ref	dor (C1) res along d Iron (C4 on in Plow	4)	ts (C3)	Secondary Ind Water Man Sediment Drift Depo Drainage Dry-Seasc Thin Muck Crayfish B Saturation Shallow A	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7) Burrows (C8) Visible on Aerial Imagery (Cs) quitard (D3)
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Depth (inche Remarks:  YDROLOG  Vetland Hydro  Primary Indicate  Surface Voter Manual Sediment  Drift Deporation  Surface Surface Surface Surface Water-State  Field Observation President Secribe Recommendation  Veter Table President Secribe Recommendation  Describe Recommendation	rology Indicators: tors (any one indicators: tors (any one indicators: tors (any one indicators: tors (any one indicators: Table (A2) tors (A3) trks (B1) (Nonriveriations) trks (B3) (Nonriveriations) torsits (B4) torsits (	ne) inriverine) ine) magery (B7) es (V N es (V N	Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Other (Exp	t (B12) vertebrates Sulfide Ochizospher of Reduce n Reduction lain in Reduction ches): ches):	dor (C1) res along d Iron (C4 on in Plow marks)	ed Soils (C	ts (C3)	Secondary Ind Water Mai Sediment Drift Depo Drainage Thin Muck Crayfish B Saturation Shallow A FAC-Neut	icators (2 or more required) rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) s Surface (C7) Burrows (C8) Visible on Aerial Imagery (Cs) quitard (D3) ral Test (D5)
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roject/Site: 2 gover, Old River City/County: City	Hollaus Tract Sampling Date: 8/4/08
pplicant/Owner: Contra Costa Watar DIST.	State: CA Sampling Point: // B
evestigator(s): T. Marlony, A. Richan Section, Township, Rai	nge: TIN RYE SEE 30
	convex, none): Convex Slope (%): 0-6
ubregion (LRR): C - Mediterranean California Lat: 37° 59′ 22″	Long: 12/0 34'57" Datum: NAD
distribution (Entry). C = tylediterranean camornia	NWI classification:
re climatic / hydrologic conditions on the site typical for this time of year? Yes No	many production and their appropriate and the many of the second section in the second
	'Normal Circumstances" present? Yes O
re Vegetation Soil or Hydrology naturally problematic? (If ne	eeded, explain any answers in Remarks.)
UMMARY OF FINDINGS - Attach site map showing sampling point lo	ocations, transects, important features, etc
Hydrophytic Vegetation Present? Yes No	gae. Certaggaennacht ceirceannacht ann an Annacht Chair. Inn Teirmest, Clay, Blay Clay, Sandy Clay, Losip. Sandy
Hydric Soil Present? Yes No (V) Is the Sampled	Area Single 8884 Baser side sense in any animal sense
Wetland Hydrology Present? Yes No Within a Wetlar	nd? Yes No V
Remarks: West of ditch. Wetlamp area man be	present west of hillock
described here; out of shady area.	The state of the state of
described here; and of wholey was.	
ECETATION	
EGETATION  Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Use scientific names.)	Number of Dominant Species
1. Inexam ed lasm vpolatbyd brokkeys	That Are OBL, FACW, or FAC: 26 (A)
2.	Total Number of Dominant
3.	Species Across All Strata: 3 (F) (B)
4. N/09 1881 13992414 ROS 0139411	Percent of Dominant Species
Total Cover: %	That Are OBL, FACW, or FAC: 66 6 % (A/B)
Sapling/Shrub Stratum  1. '	Prevalence Index worksheet:
2.	Total % Cover of: Multiply by:
3.	OBL species x 1 = 0
4. (VETTOP 91 19 1921 TO 31) 19 COLUMN 19 (1909) 1909	FACW species x 2 = 0
	FAC species x 3 = 0
5. (Mill (2012)) (1/2) (2/12)(6/12)(8/2)	The species
5. Total Cover: %	FACU species x 4 = 0
Total Cover: %	
Total Cover: %	FACU species x 4 = 0
Total Cover: %  Herb Stratum  1. Circum vulgare 35 y FACM 2. Comma Canadius 25 y FAC	FACU species
Total Cover: %  Herb Stratum  1. Circum vulgare 35 y FACM  2. Cornyya Canadiusis 25 y FAC  3. Rubus disvolor 25 y FAC	FACU species
Total Cover: %  Herb Stratum  1. Circum vulgare 35 y FACM  2. Cornyga Canadiusis 25 y FAC  3. Rubus discolor 25 y FAC  4. Corum manulatum 5 FACW	FACU species x 4 = 0 UPL species x 5 = 0 Column Totals: (A) 0 (B)  Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:
Total Cover: %  Herb Stratum  1. Circum vulgare 35 y FACM  2. Conyga Canadusus 25 y FAC  3. Rubus discolor 25 y FAC  4. Conum maculatum 5 FACW  5. Lepidium latifolium 5 FACW	FACU species
Total Cover: %  Herb Stratum  1. Circum vulgare 35 y FACM  2. Conyga Canadusus 25 y FAC  3. Rubus discolor 25 y FAC  4. Concum maculation 5 FACW  5. Lepidium latifolium 5 FACW  6. Filma arundinacea 5 FAC	FACU species $x = 4 = 0$ UPL species $x = 5 = 0$ Column Totals: (A) 0 (B)  Prevalence Index = B/A =  Hydrophytic Vegetation Indicators: Dominance Test is >50%  Prevalence Index is $\leq 3.0^1$
Total Cover: %  Herb Stratum  1. Circum vulgare 2. Cornyga Canadeuses 3. Rubus discolor 4. Corum manlatum 5. Lepidium latifolium 6. Futuca arundinasea 5. FAC	FACU species
Total Cover: %  Herb Stratum  1. Circum vulgare 2. Congga Canadeusis 25 y FACM 3. Rubus disvolor 4. Conum maculatum 5 FACW 5. Lepidium latifolium 5 FACW 6. Fertuca arundinasea 5 FAC- 7.	FACU species $x = 4 = 0$ UPL species $x = 5 = 0$ Column Totals: (A) 0 (B)  Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:  Dominance Test is >50%  Prevalence Index is $\leq 3.0^1$ Morphological Adaptations <sup>1</sup> (Provide supporting
Total Cover: %  Herb Stratum  1. Circum vulgare 2. Cornyga Canadeuses 3. Rubus discolor 4. Corum manlatum 5. Facw 5. Lepidium latifolium 6. Festuca arundinasea 7. Total Cover: %	FACU species x 4 = 0 UPL species x 5 = 0 Column Totals: (A) 0 (B)  Prevalence Index = B/A =  Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Total Cover: %  Herb Stratum  1. Circum vulgare 2. Conyga Canaduus 25 y FAC 3. Rubus discolor 25 y FAC 4. Conum manlatum 5 FACW 5. Lepidium latifolium 5 FACW 6. Februa arundinasea 5 FAC 7. 8.  Woody Vine Stratum	FACU species x 4 = 0  UPL species x 5 = 0  Column Totals: (A) 0 (B)  Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:  Dominance Test is >50%  Prevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)  ¹Indicators of hydric soil and wetland hydrology must
Total Cover: %  Herb Stratum  1. Circum vulgare 2. Congga Canaduus 25 y FAC  3. Rubus disvolor 4. Conum manlatum 5 FACW  5. Lepidium latifolium 5 FACW  6. Februa arundinasea 5 FAC-  7.  8.  Total Cover: %  Woody Vine Stratum  1.	FACU species x 4 = 0 UPL species x 5 = 0 Column Totals: (A) 0 (B)  Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:  Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)  ¹Indicators of hydric soil and wetland hydrology must be present.
Total Cover: %  Herb Stratum  1. Circum vulgare 35 y FACM 2. Cormya Canadeusis 25 y FAC 3. Rubus disvolor 25 y FAC 4. Cormin maculatium 5 FACW 5. Lepidium latifolium 5 FACW 6. Februa arundinasea 5 FAC- 7.  8.  Total Cover: %  Woody Vine Stratum  1.	FACU species x 4 = 0 UPL species x 5 = 0 Column Totals: (A) 0 (B)  Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:  Dominance Test is >50%  Prevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)  ¹Indicators of hydric soil and wetland hydrology must be present.  Hydrophytic
Herb Stratum  1. Circum vulgare 2. Cornya Canadiusis 3. Rubus disvolon 4. Corum maculatium 5. FACW 5. Lepidium latifolium 6. Februa arundinacea 5 FAC 7. 8.  Total Cover:  Woody Vine Stratum 1. 2.	FACU species x 4 = 0 UPL species x 5 = 0 Column Totals: (A) 0 (B)  Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:  Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)  ¹Indicators of hydric soil and wetland hydrology must be present.

Sampling Point: 11B

Depth (inches)	Matrix Color (moist)	0/		x Features				2	
(inches)			Color (moist)	%	Type 1	Loc <sup>2</sup>	Text		Remarks
0-16	10 42211	99 1	09R416	1	C	m	Co	am	
	Slope (			ionno) Teste	Local		3.5.5.5	T think	forte anamat amaterial or
GAIN	mutsQ * 5-3	WE SIG	Emporal Ha		3 3000	100		AND WARRANTS	-Trave American Parkerships (198
	1000	all marks BAILS	A					WIGHTS June	on a RREC - Medilerran
		SUISCRESH				3			
						to omit es	nt not had	letel ess enti co	errorational signification to shake
TOWN	Sey Timeens	cumetences" r	tiÖ lemtoW atA	100	ehretails of	nanilinini.	-	1	
	/ Editoria Color		E		The state of the	o negon tagina		ASSISTEMENT TO	1 198 1 1993990
	Trestament in at	www.ene koe uke	(If needed, sypi	YOL	tamalopu	naturally I		or Psychology	1 lle8 Inciteser
ote , set	uiset tashoqmi	transects.	anoltepool tre	iga paik					
	Concentration, D=Depl			<sup>2</sup> Location:	PL=Pore	Lining, RC	=Root C	Channel, M=Ma	atrix.
Soil Textur	es: Clay, Silty Clay, S	andy Clay, Lo	am, Sandy Clay	Loam, Sar	idy Loam,	Clay Loan	n, Silty C	Clay Loam, Silt	Loam, Silt, Loamy Sand, Sa
ydric Soil	Indicators: (Applicable	e to all LRRs, ι	inless otherwise	noted.)		V Star old			ematic Hydric Soils:
Histoso			Sandy Redo	x (S5)			1	cm Muck (A9)	(LRR C)
	pipedon (A2)		Stripped Ma	, ,				cm Muck (A10	
	listic (A3)		Loamy Muc				R	Reduced Vertic	(F18)
	en Sulfide (A4)		Loamy Gley	ed Matrix	(F2)		R	Red Parent Mat	erial (TF2)
	d Layers (A5) (LRR C	)	Depleted M	. ,				Other (Explain i	n Remarks)
	uck (A9) (LRR D)		Redox Dark		,				
	d Below Dark Surface	(A11)	Depleted Da						
	ark Surface (A12)	nce Test work	Redox Depr		8)				
	Mucky Mineral (S1)	2 Insnimed to	Vernal Pool	s (F9)			<sup>4</sup> Indic	ators of hydrop	hytic vegetation and
	Gleyed Matrix (S4)	OBU, FACIM	PA tedT				we	tland hydrolog	y must be present.
estrictive									
	Layer (if present):								
Type:	In ar	imper of Committee	Total Nu Species						
Type: Depth (in	iches):	inber of Domin Aerose All Bir Cell FACW, nce Index wo	Total Aug. That Aug.			The second	Hydric	Soil Present	? Yes No (D
Type: Depth (in emarks:	iches):	Across of Domit Across All Students ORL FACW.	Total Aug.			and the second	Hydric	Soil Present	? Yes No (T
Type: Depth (in emarks:	iches):	Across All Str. ORI, FACW.	Epocales and a second a second and a second and a second and a second and a second			See J. See	oO lato		miżst2 dunicigo
Type: Depth (in emarks:	oGY drology Indicators:	Jasona S. M. J Jenes Pelsed	EM IsloT aplaced EM IsloT islovania			e lev	oO lato	Secondary India	cators (2 or more required)
Type: Depth (in emarks:  DROLO etland Hy imary Indi	oGY drology Indicators: cators (any one indica	Jasona S. M. J Jenes Pelsed		(P44)		g lev	oO lato	Secondary Indi	cators (2 or more required)
Type: Depth (in emarks:  DROLO etland Hy imary India Surface	oGY drology Indicators: cators (any one indica Water (A1)	Jasona S. M. J Jenes Pelsed	Salt Crust			The Control	oO lato	Secondary India Water Mark	cators (2 or more required) (s (B1) (Riverine) Deposits (B2) (Riverine)
Type: Depth (in emarks:  DROLO etland Hy imary India Surface High Wa	drology Indicators: cators (any one indicators) water (A1)	Jasona S. M. J Jenes Pelsed	Salt Crust	t (B12)		Tav	oO lato	Secondary India Water Marl Sediment E Drift Depos	cators (2 or more required) (s (B1) (Riverine) Deposits (B2) (Riverine) its (B3) (Riverine)
Type: Depth (in emarks:  DROLO etland Hy imary Indi  Surface High Wa  Saturati	drology Indicators: cators (any one indicators) water (A1) ater Table (A2) on (A3)	tor is sufficient	Salt Crust ( Biotic Crus Aquatic Inv	t (B12) ertebrates		and the same	oO lato	Secondary India Water Marl Sediment D Drift Depos Drainage P	cators (2 or more required) cs (B1) (Riverine) Deposits (B2) (Riverine) cits (B3) (Riverine) atterns (B10)
Type: Depth (in emarks:  DROLO etland Hy imary India Surface High Wa Saturati Water M	drology Indicators: cators (any one indicators (A1) ater Table (A2) on (A3) darks (B1) (Nonrivering	tor is sufficient	Salt Crust ( Biotic Crust Aquatic Inv	t (B12) rertebrates Sulfide Odd	or (C1)	d and	S C	Secondary India Water Marl Sediment D Drift Depos Drainage P	cators (2 or more required) (s (B1) (Riverine) Deposits (B2) (Riverine) its (B3) (Riverine)
Type: Depth (in emarks:  DROLO etland Hy imary India Surface High Wa Saturati Water M	drology Indicators: cators (any one indicators) water (A1) ater Table (A2) on (A3)	tor is sufficient	Salt Crust ( Biotic Crus Aquatic Inv	t (B12) rertebrates Sulfide Odd	or (C1)	iving Roots	S C	Secondary India Water Mark Sediment D Drift Depos Drainage P Dry-Season	cators (2 or more required) cs (B1) (Riverine) Deposits (B2) (Riverine) cits (B3) (Riverine) atterns (B10)
Type: Depth (in emarks:  DROLO  etland Hy imary Indi Surface High Wa Saturati Water M Sedimel	drology Indicators: cators (any one indicators (A1) ater Table (A2) on (A3) darks (B1) (Nonrivering	tor is sufficient ne) riverine)	Salt Crust ( Biotic Crust Aquatic Inv	t (B12) rertebrates Sulfide Odo hizosphere	or (C1) es along L		S C	Secondary India Water Mark Sediment D Drift Depos Drainage P Dry-Season	cators (2 or more required) as (B1) (Riverine) Deposits (B2) (Riverine) its (B3) (Riverine) atterns (B10) n Water Table (C2) Surface (C7)
Type: Depth (in emarks:  DROLO  etland Hy imary Indi Surface High Wa Saturati Water M Sedime Drift De Surface	drology Indicators: cators (any one indicators) (any one indicators) (any one indicators) (any one indicators) (and indicator	tor is sufficient ne) riverine) ne)	Salt Crust ( Biotic Crus Aquatic Inv Hydrogen S Oxidized R	t (B12) rertebrates Sulfide Odd hizosphere of Reduced	or (C1) es along L Iron (C4)		\$ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [	Secondary India Water Marl Sediment [ Drift Depos Drainage P Dry-Seasor Thin Muck Crayfish Bu	cators (2 or more required) (S (B1) (Riverine) (Deposits (B2) (Riverine) (its (B3) (Riverine) (atterns (B10) (n Water Table (C2) (Surface (C7) (Irrows (C8)
Type: Depth (in emarks:  DROLO  etland Hy imary Indi Surface High Wa Saturati Water M Sedime Drift De Surface	drology Indicators: cators (any one indicators) (any one indicators) (any one indicators) (are Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3	tor is sufficient ne) riverine) ne)	Salt Crust ( Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c	t (B12) rertebrates Sulfide Odd hizosphere of Reduced	or (C1) es along L Iron (C4) n in Plowe		\$ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [	Secondary India Water Mark Sediment I Drift Depos Drainage P Dry-Seasor Thin Muck Crayfish Bu	cators (2 or more required) (s (B1) (Riverine) Deposits (B2) (Riverine) its (B3) (Riverine) atterns (B10) n Water Table (C2) Surface (C7) urrows (C8) Visible on Aerial Imagery (C
Type: Depth (in emarks:  DROLO etland Hy imary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati	drology Indicators: cators (any one indicators) (any one indicators) (any one indicators) (any one indicators) (and indicator	tor is sufficient ne) riverine) ne)	Salt Crust ( Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence co	t (B12) rertebrates Sulfide Odd hizosphere of Reduced	or (C1) es along L Iron (C4) n in Plowe		\$ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [	Secondary India Water Mark Sediment I Drift Depos Drainage P Dry-Seasor Thin Muck Crayfish Bu Saturation V	cators (2 or more required) (s (B1) (Riverine) Deposits (B2) (Riverine) its (B3) (Riverine) atterns (B10) n Water Table (C2) Surface (C7) urrows (C8) Visible on Aerial Imagery (Ciuitard (D3)
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Type: Depth (in emarks:  Seliand Hy Surface High Water No Sediment Sed	drology Indicators: cators (any one indicators) water (A1) ater Table (A2) on (A3) farks (B1) (Nonrivering the Deposits (B2) (Nonrivering to Deposits (B3) (Nonrivering to Deposits (B3) (Nonrivering to Deposits (B4) (Nonrivering to Deposits (B5) (Nonrivering to Deposits (B6) (	ne) riverine) nagery (B7)	Salt Crust ( Biotic Crust ( Aquatic Inv ( Hydrogen S) Oxidized R Presence C Recent Iror Other (Exp	t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction lain in Rem hes):	or (C1) es along L Iron (C4) n in Plowe	od Soils (Ce	S (C3) [ [ [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [	Secondary India Water Mark Sediment D Drift Depos Drainage P Dry-Seasor Thin Muck Crayfish Bu Saturation Shallow Aq FAC-Neutra	cators (2 or more required) cs (B1) (Riverine) Deposits (B2) (Riverine) its (B3) (Riverine) fatterns (B10) n Water Table (C2) Surface (C7) Irrows (C8) Visible on Aerial Imagery (Ciuitard (D3) al Test (D5)
Type: Depth (in emarks:  POROLO  Vetland Hy rimary India Surface High Water No Sedimel Drift Del Surface Inundati Water-Seld Obserurface Water Table atturation Paciludes cap	drology Indicators: cators (any one indicators) water (A1) ater Table (A2) on (A3) flarks (B1) (Nonrivering the Deposits (B2) (Nonrivering Soil Cracks (B6) on Visible on Aerial Instance Leaves (B9) vations: er Present?  Ye Present?  Ye  Ye  Ye  Ye  Ye  Present?  Ye  Ye  Ye  Ye  Ye  Ye  Ye  Ye  Ye  Y	tor is sufficient  ne) riverine) nagery (B7)  s	Salt Crust ( Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Other (Exp  Depth (inc	t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction lain in Rem whes): hes):	or (C1) es along L Iron (C4) n in Plowe narks)	ed Soils (Ce	S (C3)	Secondary India Water Mark Sediment I Drift Depos Drainage P Dry-Season Thin Muck Crayfish Bu Saturation Shallow Aq FAC-Neutra	cators (2 or more required) cs (B1) (Riverine) Deposits (B2) (Riverine) dits (B3) (Riverine) datterns (B10) n Water Table (C2) Surface (C7) dirrows (C8) Visible on Aerial Imagery (Ciuitard (D3) al Test (D5)
Type: Depth (in emarks:  /DROLO /etland Hy rimary India Surface High Water N Sedimel Drift De Surface Inundati Water-S eld Obser urface Wat /ater Table	drology Indicators: cators (any one indica Water (A1) ater Table (A2) on (A3) darks (B1) (Nonriverir nt Deposits (B2) (Nonriveris Soil Cracks (B6) on Visible on Aerial In tained Leaves (B9) vations: er Present? Present? Ye resent? Ye resent? Ye resent? Ye resent? Ye resent?	tor is sufficient  ne) riverine) nagery (B7)  s	Salt Crust ( Biotic Crus Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Other (Exp  Depth (inc	t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction lain in Rem whes): hes):	or (C1) es along L Iron (C4) n in Plowe narks)	ed Soils (Ce	S (C3)	Secondary India Water Mark Sediment I Drift Depos Drainage P Dry-Season Thin Muck Crayfish Bu Saturation Shallow Aq FAC-Neutra	cators (2 or more required) cs (B1) (Riverine) Deposits (B2) (Riverine) its (B3) (Riverine) fatterns (B10) In Water Table (C2) Surface (C7) Irrows (C8) Visible on Aerial Imagery (Ciuitard (D3) al Test (D5)
Type: Depth (in lemarks:  /DROLO // Vetland Hy rimary India   Surface   High Water Mater Mater Sedime   Drift De lemarks:  // Water Sedime   Water Sedime   Jurface   High Water Sedime   Water Table   Auter Table	drology Indicators: cators (any one indicators) drater (A1) ater Table (A2) on (A3) darks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B6) on Visible on Aerial Intained Leaves (B9) vations: er Present? Present? Yesent? Yesent? Yesent? Yesent? Yesent? Yesent? Yesent?	ne) riverine) nagery (B7)  S No ( S No ( gauge, monitor	Salt Crust ( Biotic Crust ( Aquatic Inv ( Hydrogen S) ( Oxidized R ( Presence C) ( Recent Iror ( Other (Exp ( Depth (inc ( Depth ( Depth (inc ( Depth (	t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction lain in Rem ches): hes): hotos, prev	or (C1) es along L Iron (C4) in in Plowe narks)	Wetlar	s (C3)	Secondary India Water Mark Sediment E Drift Depos Drainage P Dry-Seasor Thin Muck Crayfish Bu Saturation Shallow Aq FAC-Neutra	cators (2 or more required) AS (B1) (Riverine) Deposits (B2) (Riverine) its (B3) (Riverine) atterns (B10) In Water Table (C2) Surface (C7) Irrows (C8) Visible on Aerial Imagery (Ciuitard (D3) al Test (D5)
Type: Depth (in lemarks:  /DROLO // Vetland Hy rimary India   Surface   High Water Mater Mater Sedime   Drift De lemarks:  // Water Sedime   Drift De lemarks:  // Water Sedime   Drift De lemarks:  // Water Sedime   Drift De lemarks    // Sedime   Drift D	drology Indicators: cators (any one indicators) drater (A1) ater Table (A2) on (A3) darks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B6) on Visible on Aerial Intained Leaves (B9) vations: er Present? Present? Yesent? Yesent? Yesent? Yesent? Yesent? Yesent? Yesent?	ne) riverine) nagery (B7)  S No ( S No ( gauge, monitor	Salt Crust ( Biotic Crust ( Aquatic Inv ( Hydrogen S) ( Oxidized R ( Presence C) ( Recent Iror ( Other (Exp ( Depth (inc ( Depth ( Depth (inc ( Depth (	t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction lain in Rem ches): hes): hotos, prev	or (C1) es along L Iron (C4) in in Plowe narks)	Wetlar	s (C3)	Secondary India Water Mark Sediment E Drift Depos Drainage P Dry-Seasor Thin Muck Crayfish Bu Saturation Shallow Aq FAC-Neutra	cators (2 or more required) AS (B1) (Riverine) Deposits (B2) (Riverine) its (B3) (Riverine) atterns (B10) In Water Table (C2) Surface (C7) Irrows (C8) Visible on Aerial Imagery (Ciuitard (D3) al Test (D5)
Type: Depth (in emarks:  /DROLO /etland Hy rimary Indi Surface High Water M Sedimel Drift De Surface Inundati Water-S eld Obser urface Wat /ater Table aturation P nocludes cap	drology Indicators: cators (any one indica Water (A1) ater Table (A2) on (A3) darks (B1) (Nonriverir nt Deposits (B2) (Nonriveris Soil Cracks (B6) on Visible on Aerial In tained Leaves (B9) vations: er Present? Present? Ye resent? Ye resent? Ye resent? Ye resent? Ye resent?	ne) riverine) nagery (B7)  S No ( S No ( gauge, monitor	Salt Crust ( Biotic Crust ( Aquatic Inv ( Hydrogen S) ( Oxidized R ( Presence C) ( Recent Iror ( Other (Exp ( Depth (inc ( Depth ( Depth (inc ( Depth (	t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction lain in Rem ches): hes): hotos, prev	or (C1) es along L Iron (C4) in in Plowe narks)	Wetlar	s (C3)	Secondary India Water Mark Sediment E Drift Depos Drainage P Dry-Seasor Thin Muck Crayfish Bu Saturation Shallow Aq FAC-Neutra	cators (2 or more required) AS (B1) (Riverine) Deposits (B2) (Riverine) its (B3) (Riverine) atterns (B10) In Water Table (C2) Surface (C7) Irrows (C8) Visible on Aerial Imagery (Ciuitard (D3) al Test (D5)
Type: Depth (in emarks:  Depth (	drology Indicators: cators (any one indicators) drater (A1) ater Table (A2) on (A3) darks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B6) on Visible on Aerial Intained Leaves (B9) vations: er Present? Present? Yesent? Yesent? Yesent? Yesent? Yesent? Yesent? Yesent?	ne) riverine) nagery (B7)  S No ( S No ( gauge, monitor	Salt Crust ( Biotic Crust ( Aquatic Inv ( Hydrogen S) ( Oxidized R ( Presence C) ( Recent Iror ( Other (Exp ( Depth (inc ( Depth ( Depth (inc ( Depth (	t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction lain in Rem ches): hes): hotos, prev	or (C1) es along L Iron (C4) in in Plowe narks)	Wetlar	s (C3)	Secondary India Water Mark Sediment E Drift Depos Drainage P Dry-Seasor Thin Muck Crayfish Bu Saturation Shallow Aq FAC-Neutra	cators (2 or more required) AS (B1) (Riverine) Deposits (B2) (Riverine) its (B3) (Riverine) atterns (B10) In Water Table (C2) Surface (C7) Irrows (C8) Visible on Aerial Imagery (Ciuitard (D3) al Test (D5)
Type: Depth (in emarks:  DROLO etland Hy imary India Surface High Water M Sedimel Drift Del Surface Inundati Water-Seld Obser	drology Indicators: cators (any one indicators) drater (A1) ater Table (A2) on (A3) darks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B6) on Visible on Aerial Intained Leaves (B9) vations: er Present? Present? Yesent? Yesent? Yesent? Yesent? Yesent? Yesent? Yesent?	ne) riverine) nagery (B7)  S No ( S No ( gauge, monitor	Salt Crust ( Biotic Crust ( Aquatic Inv ( Hydrogen S) ( Oxidized R ( Presence C) ( Recent Iror ( Other (Exp ( Depth (inc ( Depth ( Depth (inc ( Depth (	t (B12) rertebrates Sulfide Odd hizosphere of Reduced n Reduction lain in Rem ches): hes): hotos, prev	or (C1) es along L Iron (C4) in in Plowe narks)	Wetlar	s (C3)	Secondary India Water Mark Sediment E Drift Depos Drainage P Dry-Seasor Thin Muck Crayfish Bu Saturation Shallow Aq FAC-Neutra	cators (2 or more required) AS (B1) (Riverine) Deposits (B2) (Riverine) its (B3) (Riverine) atterns (B10) In Water Table (C2) Surface (C7) Irrows (C8) Visible on Aerial Imagery (Ciuitard (D3) al Test (D5)

Project/Site: 2 Gates, Old River City/County: CCCo,	Holland Tract Sampling Date: 8/4/08
Project/Site: 1 Cates, via rung City/County: CCC3	State: (A Sempling Point: 18 A
Applicant/Owner: Contra Costa Water District	TO I PUE CECSO
Investigator(s): T. Malony, A. Richey Section, Township, Ran	ge: 120 RTC 1900 4-8
Landform (hillslope, terrace, etc.): Local relief (concave, c	onvex, none): Corcave Slope (%). 7 8
Subregion (LRR): C-Med, Courf, Lat: 37° 59′ 21″	Long: 121 34 3 5 Datum: 10/10/83
Soil Map Unit Name: RINDGG MUCK	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "I	Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If nee	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present?  Yes No Is the Sampled	Area
Hydric Soil Present? Yes No within a Wetlan	d? Yes No/_
Wetland Hydrology Present? Yes V No	
Remarks: This point is an other waters - C	Old River. a Navigable
VEGETATION	Dominanaa Taat warkshaat
Tree Stratum (Use scientific names.)  Absolute Dominant Indicator  Species? Status	Dominance Test worksheet:  Number of Dominant Species
1	That Are OBL, FACW, or FAC: (A)
2	Total Number of Dominant
3.	Species Across All Strata: (B)
4	Percent of Dominant Species
Total Cover:	That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum  1	Prevalence Index worksheet:
2	Total % Cover of: Multiply by:
3	OBL species x 1 =
4	FACW species x 2 =
5	FAC species x 3 =
Total Cover:	FACU species x 4 =
Herb Stratum	UPL species x 5 =
1	Column Totals: (A) (B)
2	Prevalence Index = B/A =
3	Hydrophytic Vegetation Indicators:
5.	Dominance Test is >50%
6	Prevalence Index is ≤3.01
7	Morphological Adaptations¹ (Provide supporting
8	data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Total Cover:	Problematic Hydrophytic Vegetation (Explain)
Woody Vine Stratum	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1	be present.
2	Hydrophytic
Total Cover:	Vegetation
% Bare Ground in Herb Stratum % Cover of Biotic Crust	Present? Yes No
Remarks: No Wegetation present-ruprap for	levee

Sampling Point: 18 A

Profile Description: (Desc			x Features				
Depth Mate Color (mois		Color (moist)	% Type	Loc <sup>2</sup>	Texture	Remarks	
(inches) Color (mois	- 70 -	COIGI (IIIIIII)				no soil.	
<sup>1</sup> Type: C=Concentration, D:	=Depletion, RM=		<sup>2</sup> Location: PL=Po	re Lining, R	C=Root Chanr	nel, M=Matrix.  for Problematic Hydric	Soils <sup>3</sup> .
Hydric Soil Indicators: (A	pplicable to all I						Jolis .
Histosol (A1)		Sandy Redo				Muck (A9) (LRR C)	
Histic Epipedon (A2)		Stripped Ma				Muck (A10) (LRR B)	
Black Histic (A3)			ky Mineral (F1)			ed Vertic (F18)	
Hydrogen Sulfide (A4)			yed Matrix (F2)			arent Material (TF2)	
Stratified Layers (A5) (L		Depleted M			Other	(Explain in Remarks)	
1 cm Muck (A9) (LRR [		Redox Dark					
Depleted Below Dark S			ark Surface (F7)				
Thick Dark Surface (A1			ressions (F8)		3In digators	of hydrophytic vegetation	and
Sandy Mucky Mineral (		Vernal Pool	is (F9)			hydrology must be prese	
Sandy Gleyed Matrix (S					Welland	Trydrology mast be prese	····
Restrictive Layer (if prese	nt):						
Type:							/
						- 10 11	
Remarks: No son	I prese	nt- Rip.	rap only	7	Hydric Soil	Present? Yes	_ No
	l prise	nt- Rip.	rap only	7	Hydric Soil	Present? Yes	No
Remarks: No son	l prise	mt-Rip	rap only	7			
Remarks: No son		nt- Rip.	rap only	7	Secon	ndary Indicators (2 or mor	e required)
Remarks: No son	tors:		rap only	<i>Y</i>	Secon	odary Indicators (2 or mor Vater Marks (B1) ( <b>Riveri</b> n	e required)
Remarks: No son	tors:			<i>Y</i>	Secon	ndary Indicators (2 or mor	e required)
HYDROLOGY  Wetland Hydrology Indica  Primary Indicators (any one  Surface Water (A1)	tors:	cient)	(B11)	7	Secon 	odary Indicators (2 or mor Vater Marks (B1) ( <b>Riveri</b> n	e required) ne) kiverine)
HYDROLOGY  Wetland Hydrology Indica Primary Indicators (any one Surface Water (A1) High Water Table (A2)	tors:	cient) Salt Crust Biotic Crus	(B11) st (B12)	7	Secon V V S	<u>odary Indicators (2 or mor</u> Vater Marks (B1) ( <b>Riveri</b> n Sediment Deposits (B2) ( <b>F</b>	e required) ne) kiverine)
HYDROLOGY  Wetland Hydrology Indica  Primary Indicators (any one  Surface Water (A1)  High Water Table (A2)  Saturation (A3)	itors: indicator is suffi	cient) Salt Crust Biotic Crus Aquatic In	(B11)		Secon V	ndary Indicators (2 or mor Vater Marks (B1) ( <b>Riveri</b> n Sediment Deposits (B2) ( <b>F</b> Orift Deposits (B3) ( <b>River</b> i	e required) le) Riverine) ne)
HYDROLOGY  Wetland Hydrology Indica  Primary Indicators (any one  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (None	itors: indicator is suffi	cient) Salt Crust Biotic Crust Aquatic In Hydrogen	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1)		Secor 	ndary Indicators (2 or mor Vater Marks (B1) ( <b>Riveri</b> n Sediment Deposits (B2) ( <b>R</b> Orift Deposits (B3) ( <b>Riveri</b> Orainage Patterns (B10)	e required) le) Riverine) ne)
HYDROLOGY  Wetland Hydrology Indica  Primary Indicators (any one  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (None  Sediment Deposits (B2)	itors: indicator is suffi nriverine) ) (Nonriverine)	cient) Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon	g Living Roc	Second 1 V S S S S S S S S S S S S S S S S S S	odary Indicators (2 or more Vater Marks (B1) ( <b>Riveri</b> n Sediment Deposits (B2) ( <b>Riveri</b> n Orift Deposits (B3) ( <b>Riveri</b> n Orainage Patterns (B10) Ory-Season Water Table ( Thin Muck Surface (C7)	e required) le) Riverine) ne)
HYDROLOGY  Wetland Hydrology Indica  Primary Indicators (any one  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (None  Sediment Deposits (B2)  Drift Deposits (B3) (None	itors: indicator is suffi driverine) ) (Nonriverine) nriverine)	cient)  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (	g Living Roc C4)	Secon  1 / V  1 / S  2   D  1   D  1   S  2   D  1	odary Indicators (2 or more Vater Marks (B1) (Rivering Sediment Deposits (B2) (Rivering Prainage Patterns (B10) (Pry-Season Water Table (Chin Muck Surface (C7) (Crayfish Burrows (C8)	e required) ne) tiverine) ne)
HYDROLOGY  Wetland Hydrology Indica Primary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2) Drift Deposits (B3) (None Surface Soil Cracks (B6)	ntors: indicator is suffi	cient)  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Plo	g Living Roc C4)	Secon  V S  V S  Dis (C3) T  C6) S	odary Indicators (2 or more Vater Marks (B1) (Rivering Sediment Deposits (B2) (Rivering Trainage Patterns (B10) (Proposits (B3)) (Rivering Patterns (B10)) (Proposits (B3)) (Pro	e required) ne) tiverine) ne)
HYDROLOGY  Wetland Hydrology Indicated Primary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2) Drift Deposits (B3) (None Surface Soil Cracks (B4) Inundation Visible on A	itors: indicator is sufficiently inverine) (Nonriverine) nriverine) (S) erial Imagery (B)	cient)  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (	g Living Roc C4)	Secon V S S S S S S S S S S S S S S S S S S	pdary Indicators (2 or more Vater Marks (B1) (Rivering Sediment Deposits (B2) (Rivering Sediment Deposits (B3) (Rivering Sediment Deposits (B10) (Prainage Patterns (B10) (Prayfish Burrows (C8) (Cayfish Burrows (C8) (C8) (C8) (C8) (C9) (C9) (C9) (C9) (C9) (C9) (C9) (C9	e required) ne) tiverine) ne)
HYDROLOGY  Wetland Hydrology Indica Primary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2) Drift Deposits (B3) (None Surface Soil Cracks (B4) Inundation Visible on A Water-Stained Leaves	itors: indicator is sufficiently inverine) (Nonriverine) nriverine) (S) erial Imagery (B)	cient)  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Plo	g Living Roc C4)	Secon V S S S S S S S S S S S S S S S S S S	odary Indicators (2 or more Vater Marks (B1) (Rivering Sediment Deposits (B2) (Rivering Trainage Patterns (B10) (Proposits (B3)) (Rivering Patterns (B10)) (Proposits (B3)) (Pro	e required) ne) tiverine) ne)
HYDROLOGY  Wetland Hydrology Indica  Primary Indicators (any one  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (None  Sediment Deposits (B2)  With Deposits (B3) (None  Surface Soil Cracks (B4)  Inundation Visible on A  Water-Stained Leaves  Field Observations:	itors: indicator is sufficiently inverine) (Nonriverine) inverine) (S) erial Imagery (B) (B9)	cient)  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Inc 7) Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Pla	g Living Roc C4) wed Soils (0	Second 1	pdary Indicators (2 or more Vater Marks (B1) (Rivering Sediment Deposits (B2) (Rivering Sediment Deposits (B3) (Rivering Sediment Deposits (B10) (Prainage Patterns (B10) (Prayfish Burrows (C8) (Cayfish Burrows (C8) (C8) (C8) (C8) (C9) (C9) (C9) (C9) (C9) (C9) (C9) (C9	e required) ne) tiverine) ne)
HYDROLOGY  Wetland Hydrology Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B4) Inundation Visible on AWater-Stained Leaves Field Observations: Surface Water Present?	indicator is sufficiently arriverine) (Nonriverine) (Nonriverine) (S) (B9)  Yes	cient)  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Platin in Remarks)	g Living Roc C4) owed Soils (C	Second 1	pdary Indicators (2 or more Vater Marks (B1) (Rivering Sediment Deposits (B2) (Rivering Sediment Deposits (B3) (Rivering Sediment Deposits (B10) (Prainage Patterns (B10) (Prayfish Burrows (C8) (Cayfish Burrows (C8) (C8) (C8) (C8) (C9) (C9) (C9) (C9) (C9) (C9) (C9) (C9	e required) ne) tiverine) ne)
HYDROLOGY  Wetland Hydrology Indica  Primary Indicators (any one  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (None  Sediment Deposits (B2)  With Deposits (B3) (None  Surface Soil Cracks (B4)  Inundation Visible on A  Water-Stained Leaves  Field Observations:	indicator is sufficiently arriverine) (Nonriverine) (Nonriverine) (S) (B9)  Yes	cient)  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Inc 7) Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Platin in Remarks)	g Living Roc C4) owed Soils (C	Secondary Second	Odary Indicators (2 or more Vater Marks (B1) (Rivering Sediment Deposits (B2) (Rivering Prainage Patterns (B10) (Proposits (B3)) (Proposits (B	e required) ne) tiverine) ne)
HYDROLOGY  Wetland Hydrology Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B4) Inundation Visible on AWater-Stained Leaves Field Observations: Surface Water Present?	riverine) (Nonriverine) (S) erial Imagery (B) (B9)  Yes Yes	cient)  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Plain in Remarks) uches): uches):	g Living Roc C4) owed Soils (C	Secondary V	pdary Indicators (2 or more Vater Marks (B1) (Rivering Sediment Deposits (B2) (Rivering Sediment Deposits (B3) (Rivering Sediment Deposits (B10) (Prainage Patterns (B10) (Prayfish Burrows (C8) (Cayfish Burrows (C8) (C8) (C8) (C8) (C9) (C9) (C9) (C9) (C9) (C9) (C9) (C9	e required) ne) tiverine) ne)
HYDROLOGY  Wetland Hydrology Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B4) Inundation Visible on A Water-Stained Leaves Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	riverine) (Nonriverine) (S) erial Imagery (B) (B9)  Yes Yes	cient)  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Plain in Remarks) uches): uches):	g Living Roc C4) owed Soils (C	Secondary V	Odary Indicators (2 or more Vater Marks (B1) (Rivering Sediment Deposits (B2) (Rivering Prainage Patterns (B10) (Proposits (B3)) (Proposits (B	re required) (iverine) (ne) (C2) I Imagery (C9
HYDROLOGY  Wetland Hydrology Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B4) Inundation Visible on A Water-Stained Leaves Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	riverine) (Nonriverine) (S) erial Imagery (B) (B9)  Yes Yes	cient)  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Plain in Remarks) uches): uches):	g Living Roc C4) owed Soils (C	Secondary V	Odary Indicators (2 or more Vater Marks (B1) (Rivering Sediment Deposits (B2) (Rivering Prainage Patterns (B10) (Proposits (B3)) (Proposits (B	e required) (le) (liverine) (ne) (C2) (I Imagery (C9)
HYDROLOGY  Wetland Hydrology Indica Primary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B) Inundation Visible on A Water-Stained Leaves Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st	riverine) (Nonriverine) (S) erial Imagery (B) (B9)  Yes Yes	cient)  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Plain in Remarks) uches): uches):	g Living Roc C4) owed Soils (C	Secondary V	Odary Indicators (2 or more Vater Marks (B1) (Rivering Sediment Deposits (B2) (Rivering Prainage Patterns (B10) (Proposits (B3)) (Proposits (B	e required) (le) (liverine) (ne) (C2) (I Imagery (C9)
HYDROLOGY  Wetland Hydrology Indica Primary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B) Inundation Visible on A Water-Stained Leaves Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st	riverine) (Nonriverine) (S) erial Imagery (B) (B9)  Yes Yes	cient)  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Plain in Remarks) uches): uches):	g Living Roc C4) owed Soils (C	Secondary V	Odary Indicators (2 or more Vater Marks (B1) (Rivering Sediment Deposits (B2) (Rivering Prainage Patterns (B10) (Proposits (B3)) (Proposits (B	re required) (iverine) (ne) (C2) I Imagery (C9
HYDROLOGY  Wetland Hydrology Indica Primary Indicators (any one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Non Sediment Deposits (B2) Drift Deposits (B3) (Non Surface Soil Cracks (B) Inundation Visible on A Water-Stained Leaves Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st	riverine) (Nonriverine) (S) erial Imagery (B) (B9)  Yes Yes	cient)  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Plain in Remarks) uches): uches):	g Living Roc C4) owed Soils (C	Secondary V	Odary Indicators (2 or more Vater Marks (B1) (Rivering Sediment Deposits (B2) (Rivering Prainage Patterns (B10) (Proposits (B3)) (Proposits (B	e required) (le) (liverine) (ne) (C2) (I Imagery (C9)
HYDROLOGY  Wetland Hydrology Indica  Primary Indicators (any one  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Non  Sediment Deposits (B3) (Non  Surface Soil Cracks (B)  Inundation Visible on A  Water-Stained Leaves  Field Observations:  Surface Water Present?  Water Table Present?  Saturation Present?  (includes capillary fringe)  Describe Recorded Data (st	riverine) (Nonriverine) (S) erial Imagery (B) (B9)  Yes Yes	cient)  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Other (Exp	(B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Plain in Remarks) uches): uches):	g Living Roc C4) owed Soils (C	Secondary V	Odary Indicators (2 or more Vater Marks (B1) (Rivering Sediment Deposits (B2) (Rivering Prainage Patterns (B10) (Proposits (B3)) (Proposits (B	e required) (le) (liverine) (ne) (C2) (I Imagery (C9)

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No Are Vegetation, Soil, or Hydrology significantly disturbed? Are "l	State: Sampling Point:
SUMMARY OF FINDINGS - Attach site map showing sampling point to	ocations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:  On vegetated bank whove and old k	nd? Yes No
VEGETATION	
Tree Stratum (Use scientific names.)  Absolute % Cover Species? Status  1	Dominance Test worksheet:           Number of Dominant Species         1         (A)           Total Number of Dominant Species Across All Strata:         2         (B)           Percent of Dominant Species That Are OBL, FACW, or FAC:         50         (A/B)           Prevalence Index worksheet:
Herb Stratum  1. UNK Grass (dallis-like) 10  2. Legidium latifolium 20 FACW  3. Bromus diandrus 20 y NL  4. Cynodon dastylon 50  6	FACU species x 4 =  UPL species x 5 =  Column Totals: (A) (B)  Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:  Dominance Test is >50%  Prevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum  1  2  Total Cover:  W Bare Ground in Herb Stratum	Indicators of hydric soil and wetland hydrology must be present.  Hydrophytic Vegetation Present? Yes No

	-	
<u></u>		

Sampling Point: 18 B

Depth	ription: (Describe Matrix	to the depth ne		ment the in ox Features		or confirm	the absence	of indical	tors.)
(inches)	Color (moist)	% C	olor (moist)	%	Type	Loc <sup>2</sup>	Texture		Remarks
								no	soil
				-		-			75001
	-								
							-		
¹Type: C=Cc	ncentration, D=Dep	letion, RM=Redu	ced Matrix.	<sup>2</sup> Location:	PL=Pore	Linina. R	C=Root Chan	nel. M=Ma	trix
	ndicators: (Applic								ematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		_ Sandy Red	ox (S5)			1 cm N		
	ipedon (A2)		_ Stripped Ma				2 cm N		
Black His	stic (A3)		_ Loamy Mud		(F1)			ed Vertic (	
Hydroger	Sulfide (A4)		Loamy Gley					arent Mate	
Stratified	Layers (A5) (LRR (	_	_ Depleted M	atrix (F3)			Other		
1 cm Mu	ck (A9) (LRR D)	_	_ Redox Dark	Surface (F	6)				
	Below Dark Surface	e (A11)	_ Depleted D						
	rk Surface (A12)	_	_ Redox Dep		8)				
	ucky Mineral (S1)	_	_ Vernal Pool	s (F9)					rytic vegetation and
	leyed Matrix (S4)						wetland	hydrology	must be present.
	ayer (if present):								
									/
Depth (inc	,								Yes No
Remarks:	No soil	1.1.0.			00	,		1.1-	4 1
	NO DOU	acong	man-	gran	recu	y, un	ronso	Ciden	ed.
				0					
HYDROLOG	SY SY								
Wetland Hyd	rology Indicators:						Secon	dary Indica	ators (2 or more required)
Primary Indica	ators (any one indica	ator is sufficient)							s (B1) (Riverine)
	Vater (A1)		Salt Crust	(B11)					eposits (B2) (Riverine)
	er Table (A2)	The second second second	Biotic Crus						ts (B3) ( <b>Riverine</b> )
Saturation				vertebrates	(D13)				, , , , , , , , , , , , , , , , , , , ,
	rks (B1) (Nonriveri	ne)	Hydrogen						atterns (B10)
	Deposits (B2) (Nor					iving Dool	ts (C3) Th	-	Water Table (C2)
	osits (B3) (Nonriver								
	Soil Cracks (B6)	_	Presence o		, ,				rows (C8)
	n Visible on Aerial Ir		Recent Iron			ed Solls (C			isible on Aerial Imagery (C9)
		nagery (B/)	Other (Exp	iain in Rem	arks)			nallow Aqu	
	ained Leaves (B9)						FA	AC-Neutral	Test (D5)
Field Observa									
Surface Water		es No							
Water Table F	resent? Ye	s No	Depth (inc	:hes):		_			
Saturation Pre		s No	Depth (inc	hes):		Wetla	nd Hydrology	Present?	YesNo_1
(includes capil	lary fringe)								
Describe Reco	orded Data (stream	gauge, monitorin	g well, aerial p	notos, prev	ious insp	ections), if	f available:		
Remarks:	1								
nomana.	No hi	drology	und	recho	res r	ris	CuT.		
	/	0			/		Pri		

WETLAND DETERMINATION DATA FORM	Cooling
Project/Site: 2 Gates, Old River City/County: CCCo.	Hollano Tract Sampling Date: \$ 14/68
Applicant/Owner: Contra Costa Water District	State: Sampling Point:/9A
Investigator(s): T. Mahony, A. Richery Section, Township, Ra	
Landform (hillslope, terrace, etc.): rwar bank Local relief (concave,	convex, none): Con Care Slope (%): 4 6
Subregion (LRR): C- Medit. Calif. Lat: 37° 59' 13"	Long: 121° 34′ 56″ Datum: NAD 83
Soil Map Unit Name: RINDGR MUCK / WATER	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _	
Are Vegetation, Soil, or Hydrology significantly disturbed? Are	
	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point I	ocations, transects, important features, etc.
Wetland Hydrology Present? Yes No	nd? Yes No
Remarks: a patch of wetlows emergens & level of Old River.	regitation along the
VEGETATION	
Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Use scientific names.) % Cover Species? Status  1	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2	Total Number of Dominant Species Across All Strata: (B)
3	Species Across All Strata: (B)
4 Total Cover: Sapling/Shrub Stratum	Percent of Dominant Species That Are OBL, FACW, or FAC:  (A/B)
1	Prevalence Index worksheet:
2	Total % Cover of:Multiply by:
3	OBL species x 1 =
4	FACW species x 2 =
5	FAC species x 3 =
Total Cover:	FACU species x 4 =
1. Schoenoplectus Californicus 90% y OBL	UPL species x 5 = (B)
2	
3	Prevalence Index = B/A =
4	Hydrophytic Vegetation Indicators:
5	Dominance Test is >50%
6	Prevalence Index is ≤3.0¹     Morphological Adaptations¹ (Provide supporting)
7	data in Remarks or on a separate sheet)
8	Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum	
1	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present.
2	
Total Cover:  % Bare Ground in Herb Stratum/	Hydrophytic Vegetation Present?  Yes No
Remarks: Roughly 15 ft wide on average, Roug of S. Californicus "Bare Ground" is water.	
"Bare bround" is water.	

COIL		

Sampling Point: 19 A

Depth	ption: (Describe to Matrix	aspill		Features				
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-16	104R2/1	90	104R4/6	10	C	m	clan	
and the same of th							/	
Type: C=Con	centration, D=Depl	etion, RM=R	educed Matrix.	<sup>2</sup> Location	: PL=Por	e Lining, R	C=Root Channel	I, M=Matrix.
Hydric Soil In	dicators: (Applica	ble to all LI	RRs, unless other	wise not	ed.)		Indicators fo	r Problematic Hydric Soils <sup>3</sup> :
Histosol (A	A1)		Sandy Redo	x (S5)			1 cm Mu	ck (A9) (LRR C)
Histic Epip	pedon (A2)		Stripped Ma	trix (S6)			2 cm Mu	ck (A10) (LRR B)
Black Histi	ic (A3)		Loamy Much					Vertic (F18)
Hydrogen	Sulfide (A4)		Loamy Gley	ed Matrix	(F2)			ent Material (TF2)
	ayers (A5) (LRR C	3)	Depleted Ma				Other (E)	xplain in Remarks)
	k (A9) ( <b>LRR D</b> )		Redox Dark					
	Below Dark Surface	(A11)	Depleted Da					
	k Surface (A12)		Redox Depr		F8)		3	
	cky Mineral (S1)		Vernal Pools	s (F9)				hydrophytic vegetation and
	eyed Matrix (S4)						wetland hy	ydrology must be present.
Restrictive La	yer (if present):							
Type:			_					
Depth (inch	es):						Hydric Soil Pr	resent? Yes 1 No No
Remarks:								
YDROLOG	Y							
	ology Indicators:						Seconda	ary Indicators (2 or more required)
-	tors (any one indica	tor is sufficie	ant)					er Marks (B1) (Riverine)
✓ Surface W		ioi is sumcie		D44)				
			Salt Crust (				/	liment Deposits (B2) (Riverine)
	r Table (A2)		Biotic Crus		(0.10)			Deposits (B3) (Riverine)
Saturation			Aquatic Inv					inage Patterns (B10)
	ks (B1) (Nonriverir		Hydrogen S					Season Water Table (C2)
	Deposits (B2) (Non							Muck Surface (C7)
	sits (B3) (Nonriveri	ne)	Presence o					yfish Burrows (C8)
	oil Cracks (B6)		Recent Iron			ed Soils (C		ıration Visible on Aerial Imagery (C9
Inundation	Visible on Aerial In	nagery (B7)	Other (Expl	ain in Re	marks)		Shal	llow Aquitard (D3)
Water-Stai	ined Leaves (B9)						FAC	C-Neutral Test (D5)
ield Observa	tions:				15 7 10			
Surface Water	Present? Ye	s No	Depth (inc	hes):		_		
Water Table Pr	resent? Ye	s No	Depth (inc	hes):				
Saturation Pres			Depth (inc				nd Hydrology P	Present? Yes No
includes capilla	ary fringe)							
Describe Reco	rded Data (stream o	gauge, monit	toring well, aerial p	hotos, pre	evious ins	pections), if	f available:	
		2-11/4						
Remarks:	n Old R	iver n	car inst	en on	me			
	0,000 - 70.	1	NO W					

WETLAND DETERMINATION DATA FORM - Arid West Region Project/Site: 2 Gates, Old River City/County: CCCo, Holland Tract Sampling Date: 8/4/08 Applicant/Owner: Contra Costa Water District State: CA Sampling Point: 19B Investigator(s): T. Mahony, A Richery Section, Township, Range: T2 N R43E, Sec 30 Landform (hillslope, terrace, etc.): bank Local relief (concave, convex, none): Convex Slope (%): 4-10 Subregion (LRR): C Med. CariF. Lat: 37°59' 13" Long: 121°34'56" Datum: NAO 83 Soil Map Unit Name: Rindge Muck \_\_ NWI classification: \_\_ No (If no, explain in Remarks.) Are climatic / hydrologic conditions on the site typical for this time of year? Yes  $\,$ Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Present? Yes No V Is the Sampled Area within a Wetland? Yes No V Ordinary high water mark evident from wrack line. Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? other water of old River, between wetland imergent veg. 4 VEGETATION Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Use scientific names.) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: \_\_\_\_\_(A) Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species Total Cover: \_\_\_ That Are OBL, FACW, or FAC: Sapling/Shrub Stratum Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species \_\_\_\_\_ x 1 = \_\_\_\_ FACW species \_\_\_\_\_ x 2 = \_\_\_\_ FAC species \_\_\_\_\_ x 3 = \_\_\_\_ Total Cover: \_\_\_\_\_ FACU species \_\_\_\_\_ x 4 = \_\_\_\_ Herb Stratum UPL species \_\_\_\_\_ x 5 = \_\_\_\_ Column Totals: \_\_\_\_\_ (A) \_\_\_\_\_ (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: \_\_\_ Dominance Test is >50% Prevalence Index is ≤3.01 \_ Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation (Explain) Total Cover: Woody Vine Stratum Indicators of hydric soil and wetland hydrology must be present. Total Cover: Hydrophytic Vegetation % Bare Ground in Herb Stratum \_\_\_\_ % Cover of Biotic Crust \_\_\_\_ Present? Remarks: No vegetation.

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3	u	11	_

Sampling Point: 19 B

Profile Description: (Describe to the dep	th needed to document the indicator or	confirm the ab	sence of indicators.)
Depth Matrix	Redox Features		
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup>	Loc <sup>2</sup> Text	
			no soil.
<sup>1</sup> Type: C=Concentration, D=Depletion, RM	=Reduced Matrix 2 ocation: PI =Pore I	Lining PC=Poot	Channel M-Matrix
Hydric Soil Indicators: (Applicable to all			cators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)		1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)		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)	Depleted Dark Surface (F7)		
Thick Dark Surface (A12)	Redox Depressions (F8)	3	
Sandy Mucky Mineral (S1)	Vernal Pools (F9)		cators of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):		W	etland hydrology must be present.
Type:			
Depth (inches):		Hydri	c Soil Present? Yes No/
Remarks:			
HYDROLOGY			
Wetland Hydrology Indicators:			Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is suffi	cient)		Water Marks (B1) (Riverine)
Surface Water (A1)	Salt Crust (B11)		Sediment Deposits (B2) (Riverine)
High Water Table (A2)	Biotic Crust (B12)		Drift Deposits (B3) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)		Drainage Patterns (B10)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)		Dry-Season Water Table (C2)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along Livi		
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)		Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Plowed		Saturation Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (Bi			Shallow Aquitard (D3)
Water-Stained Leaves (B9)			FAC-Neutral Test (D5)
Field Observations:	/	T .	
Surface Water Present? Yes	No Depth (inches):		
	NoDepth (inches):		
	No Depth (inches):	Made and Head	
(includes capillary fringe)	Depth (inches).	wettand Hydi	rology Present? Yes No
		1	
Describe Recorded Data (Stream gauge, mo	nitoring well, aerial photos, previous inspec	ctions), if availab	le:
Describe Recorded Data (Stream gauge, mo	nitoring well, aerial photos, previous inspec	ctions), if availab	le:
		ctions), if availab	le:
	nitoring well, aerial photos, previous inspec	ctions), if availab	le:
		ctions), if availab	le:
		ctions), if availab	le:

WETLAND DETERMINATION DATA FORM - Arid West Region Project/Site: 2 Gates, old River City/County: CCG Holland Tract Sampling Date: 8/4/08 Applicant/Owner: Contra Costa Water District State: CA Sampling Point: 190 Investigator(s): T. mahony, A. Richey Section, Township, Range: T2N R4E Sec 30 Landform (hillslope, terrace, etc.): River bank Local relief (concave, convex, none): Convex Slope (%): 410 Subregion (LRR): C-Mes. CariF. Lat: 37° 59 (13" Long: 121° 34 56" Detum: NAD 83 Soil Map Unit Name: \_\_\_\_\_ RND6-9 Mucle\_ NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Yes No River between Riprap & Tever Rd. Remarks: VEGETATION Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Use scientific names.) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species Total Cover: That Are OBL. FACW, or FAC: Sapling/Shrub Stratum Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species \_\_\_\_\_ x 1 = \_\_\_\_ FACW species x 2 = FAC species \_\_\_\_\_ x 3 = \_\_\_\_ FACU species \_\_\_\_ x 4 = UPL species \_\_\_\_\_ x 5 = \_\_\_\_ Column Totals: \_\_\_\_\_ (A) \_\_\_\_\_ (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.0¹ \_ Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation (Explain) Total Cover: Woody Vine Stratum 1 Indicators of hydric soil and wetland hydrology must be present. Total Cover: \_\_\_\_ Hydrophytic Vegetation % Bare Ground in Herb Stratum \_\_\_\_\_ % Cover of Biotic Crust Present? Remarks:

Sampling Point: 19C

Depth	Matrix		Red				
(inches)	Color (moist)	%	Color (moist)	% Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
							no Sort
Type: C=Cop	centration, D=Depl	etion RM=F	Peduced Matrix	<sup>2</sup> Location: PL=Pc	re Linina R	C=Root Chang	nel M=Matrix.
	dicators: (Applica				NO LIMING, IX	Indicators	for Problematic Hydric Soils <sup>3</sup> :
Histosol (A			Sandy Red				Muck (A9) (LRR C)
Histosof (A			Stripped M				Muck (A10) (LRR B)
Black Histi				cky Mineral (F1)			ed Vertic (F18)
Hydrogen				eyed Matrix (F2)			arent Material (TF2)
	ayers (A5) (LRR C	2)	Depleted N			-	(Explain in Remarks)
	(A9) (LRR D)	,		rk Surface (F6)			,
	Below Dark Surface	(A11)		Dark Surface (F7)			
	Surface (A12)	( , , , ,		pressions (F8)			
	cky Mineral (S1)		Vernal Poo			3Indicators	of hydrophytic vegetation and
	eyed Matrix (S4)					wetland hydrology must be present.	
	yer (if present):					T	
Type:		7. 00	0 1 1		1 due		Present? Yes No
Type:		r sor	- l develoj	oment, W/	disa		Present? Yes No No
Type:		r sor	_ l develoj	sment, W/	disa		
Type:		r sor	- l develoj	oment, W/	disa		
Type: Depth (inch Remarks: //	ery poa	r sor	_ l develoj	sment, W/	disa		
Type: Depth (inche Remarks: //	Y	r sor	_ l develoj	sment, W/	disa	ggre gat	led fine & gravel
Type: Depth (inchest) Remarks: // YDROLOG Wetland Hydro	Y ology Indicators:			sment, W/	disa	ggre gat	ed fine of gravel
Type: Depth (inche Remarks: //  YDROLOG Wetland Hydroprimary Indicate	Y ology Indicators: tors (any one indicators)		ient)		disa	ggregat  Secon	ed fine of gravel
Type: Depth (inche	Y ology Indicators: tors (any one indicators (any one indicators (A1)		ient) Salt Crus	it (B11)	disa	ggregat  Secon  Secon  Secon  Secon	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Type: Depth (inche	Y ology Indicators: tors (any one indicators (any one indicators (A1)		ient)	it (B11)	disa	997e gat	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine)
Type: Depth (inche	Y ology Indicators: tors (any one indicators (A1) or Table (A2)		ient) Salt Crus Biotic Cru	it (B11)	disa	997e gat	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Type: Depth (inch Remarks: //  YDROLOG  Vetland Hydro Primary Indicat Surface W High Wate Saturation	Y ology Indicators: tors (any one indicators (A1) or Table (A2)	ator is suffici	ient) Salt Crus Biotic Cru	et (B11) ust (B12)	disa	Secon	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine)
Type: Depth (inch Remarks: //  YDROLOG  Vetland Hydro Primary Indicat Surface W High Wate Saturation Water Mar	Y  ology Indicators: tors (any one indicator (A1) or Table (A2) (A3)	ator is suffici	ient) Salt Crus Biotic Cru Aquatic Ir	it (B11) ust (B12) nvertebrates (B13)		Secon	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Oranage Patterns (B10)
Type: Depth (inch Remarks: //  YDROLOG  Wetland Hydro- Primary Indicat Surface W High Wate Saturation Water Mar Sediment	Y  ology Indicators: tors (any one indicator (A1) or Table (A2) (A3) rks (B1) (Nonriver)	ator is suffici ne) nriverine)	ient)  Salt Crus Biotic Cru Aquatic II Hydroger Oxidized	et (B11) ust (B12) nvertebrates (B13) n Sulfide Odor (C1)	g Living Roo	Secon W S D	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2)
Type:	Y ology Indicators: tors (any one indicators (A1) or Table (A2) (A3) rks (B1) (Nonriveri	ator is suffici ne) nriverine)	ient)  Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence	t (B11) ust (B12) nvertebrates (B13) n Sulfide Odor (C1) Rhizospheres along e of Reduced Iron (C	g Living Roo (4)	Secon W S D	Indary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Originage Patterns (B10) Ory-Season Water Table (C2) Original Muck Surface (C7) Orayfish Burrows (C8)
Type: Depth (inch Remarks: //  YDROLOG Wetland Hydr. Primary Indicat Surface W High Wate Saturation Water Mar Sediment Drift Depos Surface So	Y ology Indicators: tors (any one indicators) fater (A1) or Table (A2) (A3) oks (B1) (Nonriveri Deposits (B2) (Noriveri sits (B3) (Nonriveri oil Cracks (B6)	ne) ne) nriverine)	ient)  Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir	at (B11) ust (B12) nvertebrates (B13) n Sulfide Odor (C1) Rhizospheres along of Reduced Iron (Con)	g Living Roo (4)	Secon  Se	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Originage Patterns (B10) Ory-Season Water Table (C2) Chin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (
Type: Depth (inch Remarks: //  YDROLOG Wetland Hydro Primary Indicat Surface W High Wate Saturation Water Mar Sediment   Drift Depos Surface So Inundation	Y ology Indicators: tors (any one indicators: tater (A1) or Table (A2) (A3) oks (B1) (Nonriverial Deposits (B2) (Norriverial Cracks (B6) Visible on Aerial In	ne) ne) nriverine)	ient)  Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir	t (B11) ust (B12) nvertebrates (B13) n Sulfide Odor (C1) Rhizospheres along e of Reduced Iron (C	g Living Roo (4)	Secon   W   S   D   D   D   D   D   D   D   D   D	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Vater Marks (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Orinin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3)
Type:	Y ology Indicators: tors (any one indicators) fater (A1) or Table (A2) (A3) rks (B1) (Nonriverial Deposits (B2) (Noriverial Cracks (B6) Visible on Aerial Ir ined Leaves (B9)	ne) ne) nriverine)	ient)  Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir	at (B11) ust (B12) nvertebrates (B13) n Sulfide Odor (C1) Rhizospheres along of Reduced Iron (Con)	g Living Roo (4)	Secon   W   S   D   D   D   D   D   D   D   D   D	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Originage Patterns (B10) Ory-Season Water Table (C2) Chin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (
Type:	Y ology Indicators: tors (any one indicators (any one indicator (A1) or Table (A2) (A3) rks (B1) (Nonriveri Deposits (B2) (Norriveri oil Cracks (B6) Visible on Aerial Intined Leaves (B9) tions:	ne) nriverine) ine) magery (B7)	ient)  Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	at (B11) ust (B12) nvertebrates (B13) n Sulfide Odor (C1) Rhizospheres along of Reduced Iron (Con Reduction in Plo	g Living Roo (4) wed Soils (0	Secon   W   S   D   D   D   D   D   D   D   D   D	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Vater Marks (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Orinin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3)
Type:	Y ology Indicators: tors (any one indicators) fater (A1) or Table (A2) (A3) oks (B1) (Nonriveriation (B2) (Noriveriation (B3) (Nonriveriation (B3) (Nonriveriation (B4) (B4) Visible on Aerial Intined Leaves (B9) oftions: Present?	ne) nriverine) ine) magery (B7)	ient)  Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	at (B11) ust (B12) nvertebrates (B13) n Sulfide Odor (C1) Rhizospheres along of Reduced Iron (Con Reduction in Plo (plain in Remarks)	g Living Roo (4) wed Soils (0	Secon   W   S   D   D   D   D   D   D   D   D   D	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Vater Marks (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Orinin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3)
Type:	Y ology Indicators: tors (any one indicators: tater (A1) or Table (A2) (A3) oks (B1) (Nonriver) oil Cracks (B6) Visible on Aerial Ir ined Leaves (B9) tions: Present? Yes	ne) nriverine) nagery (B7) es N	ient)  Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	at (B11) ust (B12) nvertebrates (B13) n Sulfide Odor (C1) Rhizospheres along e of Reduced Iron (Con Reduction in Plo (plain in Remarks)	g Living Roo (4) wed Soils (0	Secon   W   S   D   D   D   D   D   D   D   D   D	indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Vater Marks (B3) (Riverine) Vater Deposits (B3) (Riverine) Varinage Patterns (B10) Vary-Season Water Table (C2) Varyfish Burrows (C8) Varyfish Burrows (C8) Varyfish Burrows (C8) Varyfish Burrows (C8) Varyfish Ac-Neutral Test (D5)
Type:	Y ology Indicators: tors (any one indicators: tater (A1) or Table (A2) (A3) oks (B1) (Nonriveriatis (B3) (	ne) nriverine) nagery (B7) es N	ient)  Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	at (B11) ust (B12) nvertebrates (B13) n Sulfide Odor (C1) Rhizospheres along of Reduced Iron (Con Reduction in Plo (plain in Remarks)	g Living Roo (4) wed Soils (0	Secon   W   S   D   D   D   D   D   D   D   D   D	ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) Vater Marks (B2) (Riverine) Orift Deposits (B3) (Riverine) Orainage Patterns (B10) Ory-Season Water Table (C2) Orinin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Shallow Aquitard (D3)
Type:	Y ology Indicators: tors (any one indicators) fater (A1) or Table (A2) (A3) oks (B1) (Nonriveriation (B2) (Noriveriation (B3) (Nonriveriation (B3) (Nonriveriation (B4) (B4)) or Table (B4) tions: Present? or Seent?	ne) nriverine) ine) magery (B7) es Notes	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	at (B11) ust (B12) nvertebrates (B13) n Sulfide Odor (C1) Rhizospheres along to of Reduced Iron (Coon Reduction in Plo (plain in Remarks) nches):	g Living Roo (4) wed Soils (0	Secon   W   S   D   D   D   D   D   D   D   D   D	indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Vater Marks (B3) (Riverine) Vater Deposits (B3) (Riverine) Varinage Patterns (B10) Vary-Season Water Table (C2) Varyfish Burrows (C8) Varyfish Burrows (C8) Varyfish Burrows (C8) Varyfish Burrows (C8) Varyfish Ac-Neutral Test (D5)
Type:	Y ology Indicators: tors (any one indicators) fater (A1) or Table (A2) (A3) oks (B1) (Nonriveriation (B2) (Noriveriation (B3) (Nonriveriation (B3) (Nonriveriation (B4) (B4)) or Table (B4) tions: Present? or Seent?	ne) nriverine) ine) magery (B7) es Notes	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	at (B11) ust (B12) nvertebrates (B13) n Sulfide Odor (C1) Rhizospheres along e of Reduced Iron (Con Reduction in Plo (plain in Remarks)	g Living Roo (4) wed Soils (0	Secon   W   S   D   D   D   D   D   D   D   D   D	indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Vater Marks (B3) (Riverine) Vater Deposits (B3) (Riverine) Varinage Patterns (B10) Vary-Season Water Table (C2) Varyfish Burrows (C8) Varyfish Burrows (C8) Varyfish Burrows (C8) Varyfish Burrows (C8) Varyfish Ac-Neutral Test (D5)
Type:	Y ology Indicators: tors (any one indicators) fater (A1) or Table (A2) (A3) oks (B1) (Nonriveriation (B2) (Noriveriation (B3) (Nonriveriation (B3) (Nonriveriation (B4) (B4)) or Table (B4) tions: Present? or Seent?	ne) nriverine) ine) magery (B7) es Notes	Salt Crus Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	at (B11) ust (B12) nvertebrates (B13) n Sulfide Odor (C1) Rhizospheres along to of Reduced Iron (Coon Reduction in Plo (plain in Remarks) nches):	g Living Roo (4) wed Soils (0	Secon   W   S   D   D   D   D   D   D   D   D   D	indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Vater Marks (B3) (Riverine) Vater Deposits (B3) (Riverine) Varinage Patterns (B10) Vary-Season Water Table (C2) Varyfish Burrows (C8) Varyfish Burrows (C8) Varyfish Burrows (C8) Varyfish Burrows (C8) Varyfish Ac-Neutral Test (D5)
Type:	Y ology Indicators: tors (any one indicators: tater (A1) or Table (A2) (A3) oks (B1) (Nonriver) oil Cracks (B6) Visible on Aerial Ir ined Leaves (B9) tions: Present? yeary fringe) rded Data (stream	ne) nriverine) ine) magery (B7) es N es N gauge, mon	ient)  Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	at (B11) ust (B12) nvertebrates (B13) n Sulfide Odor (C1) Rhizospheres along e of Reduced Iron (Con Reduction in Plo (plain in Remarks) nches):	g Living Roo (4) wed Soils (0	Secon   W   S   D   D   D   D   D   D   D   D   D	indary Indicators (2 or more required) Vater Marks (B1) (Riverine) Vater Marks (B3) (Riverine) Vater Deposits (B3) (Riverine) Varinage Patterns (B10) Vary-Season Water Table (C2) Varyfish Burrows (C8) Varyfish Burrows (C8) Varyfish Burrows (C8) Varyfish Burrows (C8) Varyfish Ac-Neutral Test (D5)
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