Project/Site: 2 Gates/Connection Slough	City/Cou	nty: Bacon Isl	and, San Joaquin	Sampling Date:	9/9/08
Applicant/Owner: Contra Costa Water District	TaggT	N (2)	State: CA	Sampling Point	21A
nvestigator(s): T. Mahony, A. Richey	Section,	Township, Rai	nge: T2N	R4E sec2	2 0150
_andform (hillslope, terrace, etc.):	Local re	lief (concave.	convex, none):		ope (%): () -
			Long: 121°31	-	tum: NAD 83
o v / c madamanam cameram		57		sification:	14710 05
Soil Map Unit Name: Itano silty clay, paritally drained, 0-29		d No.			
Are climatic / hydrologic conditions on the site typical for this time					1
	cantly disturbe		Normal Circumstance	•	No C
Are Vegetation Soil or Hydrology natura	lly problemation	? (If ne	eded, explain any an	swers in Remarks.)	
SUMMARY OF FINDINGS - Attach site map show	ving sampl	ing point lo	ocations, transec	cts, important f	eatures, etc
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No	v	s the Sampled	nd? Yes	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sell Textures C ydylo Self Indica Histogol (A.I. riistic Eologe
Currently cultivated with sub	dram flowers.	age di	tch alongs is appro-	ide a fu xinately	ld 6 ft wi
VEGETATION	cs (F7)	ed Dark Surfa	11) Deple	ow Dark Surface (A	Depleted Bei
Abso		nt Indicator	Dominance Test w	vorksheet:	Sandy Mucki
teasons ad train unalished hoolists	over Specie	s? Status	Number of Dominal That Are OBL, FAC		<b>※</b> (A)
2.		_		(Inseed a)	
3.		_	Total Number of Do Species Across All		(B)
4.					<b>P</b>
Total Cover:	%	tal east	Percent of Dominal That Are OBL, FAC		0 % (A/B)
Sapling/Shrub Stratum  1.			Prevalence Index	worksheet:	
2.			Total % Cover	of: Mult	iply 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	279 B) as		UPL species	x 5 =	0
1. Typha latifolia 45	致 4	OBT	Column Totals:	(A)	0 (B
2. Flatnea arundmacea	45 4	FAC-	Prevalence Ir	ndex = B/A =	
3. Compa Ranadensis	5	FAC	Hydrophytic Vege		
5. Raphans sativa	3	NC	Dominance Te		
6.	feshato	Section in Re	Prevalence Inc	dex is ≤3.0 <sup>1</sup>	
7.				Adaptations <sup>1</sup> (Provi	
8.	6.1	Nonellani d		narks or on a separa	
Total Cover:	%	A Andreit d	Problematic H	ydrophytic Vegetatio	on' (Explain)
Woody Vine Stratum	70				
1. A sit S sey Stressed vocionavil brailiew		(ROTER) II	Indicators of hydr be present.	ic soil and wetland	nyarology must
2. eldskavs til (snot	pegarri audivis	ng solodg leha	ilew onSolinom .sc	d Dale (stream daux	etrough edities
Total Cover:	%		Hydrophytic Vegetation	w. d	C assessed
% Bare Ground in Herb Stratum % Cover of E	Biotic Crust	%	Present?	Yes 🗸 No	
Remarks: Ditch has been dre alonyside ditth.	dged.	Dred	ze spoils	s were d	eposited

Sampling Point: 2	IA
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nches) C	Matrix Color (moist)	%	Color (mo	Redox Fe	% Type	Loc <sup>2</sup>	Texture	3	Rema	rks
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1-16 1	04/2/1	15_	1011	1/6	1)		mul	NOUTH		
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72 (17.31 <b>1801</b>	3G YEE	7831	Dit bee	<u> </u>		36.	1,197	<u> 1960   </u>	obstitute O	Ohn Children
		Sarala WW				10.27% class	hanimh il	etran ugla	solie com 180	with total geld o
	Z astroanas	And missioner			Village Sta	sev to Bitsi a	d when the	ation and note	moltok neg styreto	entra regento
Total Vi	W. A.Dari Physical Design	- San Anisa	and Taborers	0.62 mag	Visionatali	-Omeshou's			[7] kob. [	Vagosalivas
	a estat antice una				Calconiate	west for a feet		netwinier in		Troubstaye, v
	EXISTRY DE	MARKET BENTALL	Mary Mary Mary Mary					100	and a series of the least	A - 175 A 8 6 5 E
	entration, D=Dep	lotion DM-E	Peduced M	Matrix 2	ocation: PL=F	Pore Lining	RC=Root Ch	annel. M=Ma	atrix.	
Soil Textures: (	Clay, Silty Clay, S	Sandy Clay.	Loam, Sar	ndy Clay Lo	am, Sandy Lo	am, Clay Lo	am, Silty Cla	y Loam, Silt	Loam, Silt, Loan	my Sand, Sand
	ators: (Applicable						Indicate	ors for Proble	ematic Hydric So	oils:
Histosol (A1				ndy Redox (				m Muck (A9)		
Histic Epipe	don (A2)			ripped Matri				m Muck (A1		
Black Histic					Mineral (F1)		200	duced Verticed Parent Ma	,	
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	yers (A5) (LRR (	3)		pleted Matredox Dark S				ici (Explain	iii rtemanto,	
	(A9) ( <b>LRR D</b> ) elow Dark Surfac	Θ (Δ11)			Surface (F7)					
	Surface (A12)	C (ATT)		dox Depres						
	ky Mineral (S1)		1779 188	rnal Pools			⁴Indica	tors of hydro	phytic vegetation	n and
	ed Matrix (S4)		lo Land				wet	land hydrolog	gy must be pres	ent.
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Type:  Depth (inchest)  Remarks:		y managed	dmula jalo		0 + 10		Hydric	Soil Present	Yes (V	No (
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Depth (inches	edox fear	tures a	vre s	omew	hat diffi	us-e	Hydric	Soil Present	Yes (V	No (
Depth (inchese Remarks:	edox fear	ties agoni :	vre s	omcw!	hat diff	use	1860		Asia	
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Popth (inches Remarks:  YDROLOGY  Wetland Hydro  Primary Indicate  Y Surface Water  Saturation (  Water Mark  Sediment D  Drift Depos  Surface Soi  Inundation  Water-Stair  Field Observat  Surface Water F  Water Table Pres  Saturation Pres  (includes capilla  Describe Recor	logy Indicators: ors (any one indicators: ors (B1) (Nonriversity (B2) (Nonriversity (B3) (Nonriversity (B3) (Nonriversity (B4) (Nonriver	rine) priverine) lmagery (B7 Yes ( ) N	cient)  S S S S S S S S S S S S S S S S S S	Salt Crust (E Biotic Crust Aquatic Inver Hydrogen S Dxidized Rh Presence of Recent Iron Other (Explain Depth (inch Depth (inch	B11) (B12) Intebrates (B1: Intebrates (B1: Intebrates (B1: Intebrates (B1: Intebrates (B1: Intebrates (B1: Interpretation (B1:	3) 11) ong Living R n (C4) Plowed Soils s)	etland Hydro	econdary Inc Water Ma Sediment Drift Depo Drainage Dry-Seas Thin Mucl Crayfish E Saturation Shallow A FAC-Neu	dicators (2 or months (B1) (Rivering Deposits (B2) (Rivering Patterns (B10) on Water Table & Surface (C7) Burrows (C8) in Visible on Aering Aquitard (D3) tral Test (D5)	re required) ne) Riverine) ine) (C2) al Imagery (CS

State: CA   Sampling Point: 2   B   State: CA   Sampling Point: 2   B   Section, Township, Range: T 2 N, 2 4 5 2 0 2   Section, Township, Range: T 2 N, 2 4 5 2 0	Project/Site: 2 Gates/Connection Slough City	y/County: Bacon Island	d, San Joaquin	Sampling Date: 9	9/9/08
Section, Township, Range: T2N, 14 E sec 17  androm (hillslope, lerrace, etc.) - true a (full a)  Local relief (concave, convex, none) adjust from xx. Slope (%): 0-  butter, and yell to the section of the site byte of the site of year? Yes (		T & Deligi		Sampling Point:	21B
Local relief (concave, convex, none):   Jugst Convex   Slope (%):   Jubrelson (LRR): C - Mediterranean California   Lat: 23		ction, Township, Range	T2N, 1	24E sec 2	2
Lat: 24		cal relief (concave, con			
May Unit Name:   Itano sitty clay, paritally drained, 0-2% slopes   NWi classification:   recellmatic Phydrologic conditions on the site typical for this time of year? Yes (		, - 11	· . /		
re climatic / hydrologic conditions on the site typical for this time of year? Yes (			NWI class	ification:	
re Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Cre Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)  **UMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.*  **Hydrophylic Vegetation Present? Yes No Creations**  **Ves No Creations**  **Is the Sampled Area within a Wetland? Yes No Creations**  **Welland Hydrology Present? Yes No Creations**  **No Creations**  **Tree Stratum**  **Indicator Species?**  **Saluss**  **Total Cover: %  **Saping/Shrub Stratum**  **Indicator Species Area Saluss**  **Total Cover: %  **Herb Stratum**  **Total Cover: %  **Total Cover: %  **Hord Stratum**  **Total Cover: %  **Total Cover: %  **Hord Stratum**  **Hord Stratu			(If no, explain ir	n Remarks.)	
re Vegetation Soil or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)  **UMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Western Hydrology Hydrology Present? Yes No Western Hydrology Yes Column Totals: Under Hydrology Mustern Hydrology Hydrology Mustern Hydrology Woody Vine Stratum  1. Carroll Cover: Yes Hydrology Hydrology Mustern Hydrology Will Stratum  1. Carroll Cover: Yes No Western Hydrology Mustern Hydrology Will Stratum  1. Carroll Cover: Yes No Western Hydrology Will Stratum Hydrology Will Hydrology Will Stratum Hydrology Will Hydrology Will Hydro	AND THE RESERVE OF THE PROPERTY OF THE PROPERT		rmal Circumstances	s" present? Yes	No C
### Cover Species? Status   Species   Status   S				•	
Is the Sampled Area   within a Wetland?   Yes   No   Prevalence Index worksheet:   No   No   Prevalence Index worksheet:   No   No   Prevalence Index worksheet:   No   No   No   No   No   No   No   N			ntions, transec	ts, important fe	atures, etc.
Cover   Species   Status   Species   Species   Status   Species   Sp	Hydric Soil Present? Yes No No	FEED tropped you		No a	Sentence Sen
Absolute % Cover Species? Status    Dominant Indicator Species? Status	Remarks: Located in fallow field up	slope of de	itch chesc	rebed in.	2(A.
Number of Dominant Species   Number of Dominant Species   That Are OBL, FACW, or FAC:   March   Multiply by:   (A)	/EGETATION	proved finalist (Fo) deced Dark Surface (F) placed Dark Surface (F)	eg   (117	AEN A 99 EN Blow Data Surface (4	SpetalssC (200
That Are OBL, FACW, or FAC:			ominance Test we	orksheet:	market in the party of the same
Total Number of Dominant Species Across All Strata:  Sapling/Shrub Stratum  Total Cover:  Sapling/Shrub Stratum  1.  Prevalence Index worksheet: Total % Cover of:  Multiply by:  OBL species	The state of the s			The second secon	(4)
Species Across All Strata: 2	<u> </u>		nat Are OBL, FACT	V, or FAC.	(A)
Total Cover: %   Percent of Dominant Species That Are OBL, FACW, or FAC: 5 0 % (A/B)				1-1-	(B)
Prevalence Index worksheet:   Total % Cover of:	Total Cover: %				% (A/B)
2.	1.	F	Prevalence Index v	vorksheet:	
4.	2.		Total % Cover of	of: Multipl	ly by:
Total Cover: %  Herb Stratum  1. Cynodon dachylon 50 y FAC 2. Chrolvulus arbensis 45 y NL 3. Faghanus 5 lbh 5	3.		OBL species	x 1 =	0
Total Cover: %  Herb Stratum  1. Cynodon dachylon 50 y FAC 2. Convolvulus arvensin 45 y NL 3. Faghanus salina 5 NL 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)  Woody Vine Stratum  1. Total Cover: %  Warphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)  *Indicators of hydric soil and wetland hydrology musible present.  *Hydrophytic Vegetation Present? Yes No	4. Consum Store to a statement statements.		The same of the sa		0
Herb Stratum  1. Cynodon dachylon 50 y FAC 2. Column Totals: (A) 0 (E 2. Prevalence Index = B/A = 4. Prevalence Index = B/A = 4. Hydrophytic Vegetation Indicators:  Dominance Test is >50% Prevalence Index is <3.0¹ 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.					
1. Cynadon dactylon 50 y FAC 2. Column Totals: (A) 0 (E 2. Column Totals: (A) 0 (E 2. Column Totals: (B) 0 (E 2. Column Totals: (B) 0 (E 2. Column Totals: (A) 0 (E 2. Column Totals: (A) 0 (E 2. Column Totals: (A) 0 (E 3. Column Totals: (A) 0 (E 4. Column Totals:		AND THE RESERVE AND THE PARTY OF THE PARTY O			TO SERVICE STATE OF THE SERVIC
2. Chrolbrulus armensis 45 y NL 3. 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. ¹Indicators of hydric soil and wetland hydrology must be present.  Hydrophytic Vegetation  Present? Yes No	1 0 10000000000000000000000000000000000				The second secon
## Prevalence Index = B/A = ## Hydrophytic Vegetation Indicators:    Hydrophytic Vegetation Indicators:	2	) A//	Joidinin Totals.	(~)	0 (2)
4.	3	NI			
Prevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)  1.		ar residue dun U. mani, ten rus			
7.	5.	decreased or resolvential and		same la realization aidiation.	
8. Total Cover:  Woody Vine Stratum  1. Indicators of hydric soil and wetland hydrology must be present.  Total Cover: %  Wata in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation (Explain)  Indicators of hydric soil and wetland hydrology must be present.  Hydrophytic Vegetation  Vegetation  Present? Yes No	6.				
Total Cover:  Woody Vine Stratum  1. 2.  Total Cover:  Woody Vine Stratum  1 Indicators of hydric soil and wetland hydrology must be present.  Total Cover:  Wegetation  Yes No			data in Rem	arks or on a separate	e supporting e sheet)
Woody Vine Stratum  1. 2.  Total Cover: %  Bare Ground in Herb Stratum  % % Cover of Biotic Crust  % Hydrophytic Vegetation Present?  Yes No	Total Cause	institution (in	Problematic Hy	drophytic Vegetation	1 (Explain)
1.		(wanoni) tire	T O M		
2. Total Cover: % Hydrophytic Vegetation Present? Yes No (**)		A CONTRACTOR OF THE PARTY OF TH	,	soil and wetland hy	drology must
% Bare Ground in Herb Stratum % Cover of Biotic Crust % Vegetation Present? Yes O No	2. eldefevs if (endesegrits	covero entoño la le	be present.	un massin pad ou	nanañ sifetas
% Bare Ground in Herb Stratum % Cover of Biotic Crust % Present? Yes \( \cdot \) No \( \text{\$\infty} \)	Total Cover: %				
Remarks:	No. of the second secon			Yes O No (	A SAMOTHER
	Remarks:				

epth Matrix Redox Features nches) Color (moist) % Color (moist) %	Type <sup>1</sup> Loc <sup>2</sup>	Texture <sup>3</sup>	Remarks
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<u>. A. (68) anatá (6. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.</u>			
29 CONTROL LONG ON CONTROL SERVICE DESCRIPTION ST	t 5 60 tal	. identifica	13 acusanhibal - 3 (884) rous
saudes Parada IVM	26mola 37C-0 .h.	mico vitska	en Areto valle ouer Libertein delver
			ant no angatanon i iperaisyn't Sasmit
Chald Visitary demonstrate (seminaterolemic) formula with Stock	indelly elimedicable		belt to 17 to 8 17 notistage
A STATE OF THE STA	especial following sufficient that is		
Laureness in growers, the meldar termode by	WHEND IN WHEND IN	E 1 11200	
ype: C=Concentration, D=Depletion, RM=Reduced Matrix. <sup>2</sup> Location:	PL=Pore Lining, RC	C=Root Channe	A M=Matrix
oil Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sar			
dric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Na. 617		or Problematic Hydric Soils⁴:
Histosol (A1) Sandy Redox (S5)		1 cm M	uck (A9) (LRR C)
Histic Epipedon (A2) Stripped Matrix (S6)			uck (A10) ( <b>LRR B</b> )
Black Histic (A3) Loamy Mucky Mineral			ed Vertic (F18)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix	(F2)		rent Material (TF2)
Stratified Layers (A5) (LRR C)  Depleted Matrix (F3)	-0)	U Other (	Explain in Remarks)
1 cm Muck (A9) (LRR D) Redox Dark Surface (I Depleted Below Dark Surface (A11) Depleted Dark Surface			
Depleted Below Dark Surface (A11)  Thick Dark Surface (A12)  Redox Depressions (F			
Sandy Mucky Mineral (S1)  Vernal Pools (F9)		<sup>4</sup> Indicators	of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)			hydrology must be present.
estrictive Layer (if present):			
Long triangle of the first of t			and the state of the same of the same and the same of
Type:		Hydric Soil	Present? Yes No (
Less misses of Colors and Assess (1)	bserved.	Hydric Soil	Present? Yes No 🕏
Type: Depth (inches): emarks: No hydrot Soils induators of	bserved.	Hydric Soil	Present? Yes No 🕏
Type:  Depth (inches):  emarks:  No Anydrob Soils indicators of the soil of th	bserved.	100 tale )	Authoritis durintis de el
Type: Depth (inches):  Pemarks: No Anydrot Soils inducators of the soil of the	bserved.	Secon	dary Indicators (2 or more required)
Type: Depth (inches):  emarks: No Anydrot Soils inducators of the soil of the	bserved.	Secon	dary Indicators (2 or more required) ater Marks (B1) ( <b>Riverine</b> )
Type:  Depth (inches):  emarks:  No Anythot Soils inducators of the soils indu	bserved.	Secon W	dary Indicators (2 or more required) ater Marks (B1) ( <b>Riverine</b> ) ediment Deposits (B2) ( <b>Riverine</b> )
Type: Depth (inches):  Pemarks:  No Anydrob Soils indicators of the soils indicator of the soil		Secon W	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)
Type: Depth (inches):  Pemarks:  No Anythob Soils indicators of the control of th	s (B13)	Secon W	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10)
Type: Depth (inches):  emarks:  No Anythot Soils indicators of the soils indic	s (B13) dor (C1)	Secon W So D D D	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2)
Type: Depth (inches):  PROLOGY  Petland Hydrology Indicators: Dimary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Depth (inches):  Muducators of Muduca	s (B13) dor (C1) res along Living Roo	Secon  Secon  Secon  Description  Descriptio	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7)
Type: Depth (inches):  PROLOGY  Retiand Hydrology Indicators: Depth (inches):  Proceeding the state of the st	s (B13) dor (C1) res along Living Roo d Iron (C4)	Secon W Se D D D T St T C C C	dary Indicators (2 or more required) dater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8)
Type: Depth (inches):  PROLOGY  Petland Hydrology Indicators: Firmary 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)  Recent Iron Reduction	s (B13) dor (C1) res along Living Roo d Iron (C4) on in Plowed Soils (C	Secon   W   Secon   Department   Departmen	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C
Type: Depth (inches):  Permarks:  No Arythol Soils Muduators of Muduators of Muduators of Muduators  Petland 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)  Other (Explain in Re	s (B13) dor (C1) res along Living Roo d Iron (C4) on in Plowed Soils (C	Secon   W   Secon   Department   Secon   Departme	dary Indicators (2 or more required) Pater Marks (B1) (Riverine) Padiment Deposits (B2) (Riverine) Parinage Patterns (B10) Pary-Season Water Table (C2) Parylish Burrows (C8) Paturation Visible on Aerial Imagery (Canallow Aquitard (D3)
Type: Depth (inches):  Permarks:  No Arythol Soils Mudicators of Mudicators of Mudicators of Mudicators of Mudicators of Mudicators (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)	s (B13) dor (C1) res along Living Roo d Iron (C4) on in Plowed Soils (C	Secon   W   Secon   Department   Secon   Departme	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (C
Type: Depth (inches):  Pemarks:  No Augdood Souls Medicators of Medicators of Medicators of Medicators (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 Reduce (B9)  Red Observations:	s (B13) dor (C1) res along Living Roo d Iron (C4) on in Plowed Soils (C	Secon   W   Secon   Department   Secon   Departme	dary Indicators (2 or more required) Pater Marks (B1) (Riverine) Padiment Deposits (B2) (Riverine) Parinage Patterns (B10) Pary-Season Water Table (C2) Parylish Burrows (C8) Paturation Visible on Aerial Imagery (Canallow Aquitard (D3)
Type: Depth (inches):  Permarks:  No Augdood Souls Auddoods of Sou	s (B13) dor (C1) res along Living Roo d Iron (C4) on in Plowed Soils (C	Secon   W   Secon   Department   Secon   Departme	dary Indicators (2 or more required) Pater Marks (B1) (Riverine) Padiment Deposits (B2) (Riverine) Parinage Patterns (B10) Pary-Season Water Table (C2) Parylish Burrows (C8) Paturation Visible on Aerial Imagery (Canallow Aquitard (D3)
Type: Depth (inches):  PROLOGY  Petland Hydrology Indicators: Firmary 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 (B4) (Nonriverine)  Drift Deposits (B4) (Nonriverine)  Drift Deposits	s (B13) dor (C1) res along Living Roo d Iron (C4) on in Plowed Soils (C	Secon   W   Secon   Department   Secon   Departme	dary Indicators (2 or more required) Pater Marks (B1) (Riverine) Padiment Deposits (B2) (Riverine) Parinage Patterns (B10) Pary-Season Water Table (C2) Parylish Burrows (C8) Paturation Visible on Aerial Imagery (Canallow Aquitard (D3)
Type: Depth (inches):  emarks:  No Anythrot Soils Mudicators of Multiple of Mu	s (B13) dor (C1) res along Living Roo d Iron (C4) on in Plowed Soils (C marks)	Secon   W   Secon   D   D   D   C   C   C   Secon   T   C   C   C   Secon   F   F   C   C   C   C   C   C   C   C	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Canallow Aquitard (D3) AC-Neutral Test (D5)
Type: Depth (inches):  emarks:  No Augdood: Souls Auddoods of Control of Cont	s (B13) dor (C1) res along Living Roo d Iron (C4) on in Plowed Soils (C marks)  Wetla	Secon   W   Secon	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Ca) hallow Aquitard (D3) AC-Neutral Test (D5)
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Type: Depth (inches):  emarks:  No Augdood Souls Anducators of Metiand Hydrology Indicators: 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) Drift Deposits (B3) (Nonriverine) Drift Deposits (B3) (Nonriverine) Water-Stained Leaves (B9)  ield Observations: urface Water Present? Ves No Depth (inches): vater Table Present? Yes No Depth (inches):	s (B13) dor (C1) res along Living Roo d Iron (C4) on in Plowed Soils (C marks)  Wetla	Secon   W   Secon	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Ca) nallow Aquitard (D3) AC-Neutral Test (D5)
Type: Depth (inches):  emarks:  No Anythroft Soils Medicators of Medicators of Medicators (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)  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):  vater Table Present?  Yes No Depth (inches):  ncludes capillary fringe)  vescribe Recorded Data (stream gauge, monitoring well, aerial photos, province of processors.	s (B13) dor (C1) res along Living Roo d Iron (C4) on in Plowed Soils (C marks)  Wetla evious inspections),	Secon   W   Secon	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Ca) nallow Aquitard (D3) AC-Neutral Test (D5)
Type: Depth (inches):  emarks:  No Anythroft Soils Medicators of Medicators of Medicators (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)  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):  vater Table Present?  Yes No Depth (inches):  ncludes capillary fringe)  vescribe Recorded Data (stream gauge, monitoring well, aerial photos, province of processors.	s (B13) dor (C1) res along Living Roo d Iron (C4) on in Plowed Soils (C marks)  Wetla evious inspections),	Secon   W   Secon	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Canallow Aquitard (D3) AC-Neutral Test (D5)
Depth (inches):  Depth (inches):  Demarks:  No Jupard Soils madicators of marks:  DROLOGY  DROLOGY  Detiand Hydrology Indicators:  Detiand Crust (B11)  Detiand Indicator (B12)  Detiand Indicator Indicator Indicator (B12)  Detiand Indicator Indicator Indicator Indicator  Detiand Indicators (B11)  Depth Indicators (B11)  Depth Indicators  Depth Inches Indicator Indicator Indicator Indicator  Depth Inches Indicator  Depth Inches Indicator  Depth Inches Indicator  Depth Inches Includes Capillary Includes Capillary Includes Capillary Includes (Stream Gauge, Monitoring Well, Aerial Photos, Proceeding Indicators  Describe Recorded Data (Stream Gauge, Monitoring Well, Aerial Photos, Procedure Inches Inche	s (B13) dor (C1) res along Living Roo d Iron (C4) on in Plowed Soils (C marks)  Wetla evious inspections),	Secon   W   Secon	dary Indicators (2 or more required) fater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ry-Season Water Table (C2) nin Muck Surface (C7) rayfish Burrows (C8) aturation Visible on Aerial Imagery (Ca) nallow Aquitard (D3) AC-Neutral Test (D5)

oject/Site: 2 Gates/Connection Slough	City/C	county	Bacon Isl	and, San Joaquin	Sampling Date:	9/9/08	
oplicant/Owner: Contra Costa Water District	lype' [				Sampling Point:	22	A
vestigator(s): T. Mahony, A. Richey	Section	on, To	wnship, Rar		E sec 2	2	-0
ndform (hillslope, terrace, etc.): Shight basin	Loca	l relief	(concave. c	convex, none): conce		pe (%):	2-2
bregion (LRR): C - Mediterranean California Lat			-8"			m: NAD	
2. 29. 1. (2. 1. 1) C International Camponia		0	-0	NWI classification		TVILD	05
il Map Unit Name: <u>Itano silty clay, paritally drained, 0-2%</u>		/aa C	No.C				
e climatic / hydrologic conditions on the site typical for this time						No	_
	antly distur			Normal Circumstances" pre		No	0
e Vegetation Soil or Hydrology natural	lly problema	atic?	(If ne	eded, explain any answers	in Remarks.)		
UMMARY OF FINDINGS - Attach site map show	<i>i</i> ing sam	pling	g point lo	cations, transects, i	important fe	atures,	etc.
Hydrophytic Vegetation Present? Yes No (		Sand					
Hydric Soil Present? Yes Vo		Is th	e Sampled	Area			
Vetland Hydrology Present? Yes No No		Distance Services	in a Wetlan	Vonse -	No C		
Remarks:	1 -		-01	Annual C	1 - 0	. /	eta T
regetation is very sparse,	ont	=	5 10 0	over. one p	lant wh	uch	
is a dominant, was not ide	entifia	ble	at th	is time, but i	's most L	Kely	a
FAC Species.		249 60	etho2 sheft	managa A. a. (France)	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	<u>i wa Mara</u> a Masaka	
EGETATION		1 ESCHOL	Mary Mark J. Co.	ESHESSE LESS TO LESS OF	The state of the s	and the state of t	
Abso ree Stratum (Use scientific names.) % Co			Indicator Status	Dominance Test works  Number of Dominant Spe	112) Transmitte v		
snesdig ad faum vgc-orbyn bnattaw				That Are OBL, FACW, or		£ .	(A)
				Total Number of Domina	nt		
				Species Across All Strata		E	(B)
) DIA V) SET THOSEN THUS SHOUN				Percent of Dominant Spe	acies		
Total Cover:	%			That Are OBL, FACW, or		\$ %	(A/B)
Sapling/Shrub Stratum				Prevalence Index work			
				Total % Cover of:	Multip	ly by:	
				OBL species	x 1 =	0	)AG
Leading Strates of Strategical Decreases				FACW species	x 2 =	0	
(SERIENTAL) (10) SHIGH REOVY				FAC species	x 3 =	0	
Total Cover:	%		(174) (80)	FACU species	x 4 =	0	
lerb Stratum	70			UPL species	x 5 =	0	
Cyperus cragnostis	3	М	FACW	Column Totals:	(A)	0	(B)
Polygonym arenastrum	3	4	NL				
Apognum sp (?)	3	4	FAC	Prevalence Index			
	a Sugarani Car	ank	shall and to	Hydrophytic Vegetation			
APOS backson a suplant 8	d family	smag	ni misira Ri	Dominance Test is >	d bebak on skills		
(ACL) to T Instead OA 2				Prevalence Index is  Morphological Adap		eupporti	na
				data in Remarks			ilg
Total Causes			Massionia d	Problematic Hydrop	hytic Vegetation	1 (Explain	1)
Total Cover: Voody Vine Stratum	%			es ( No (2) Dop			
. 73 at VR and Changing I amplify the state.				<sup>1</sup> Indicators of hydric soil	and wetland hy	ydrology r	must
	doscari en	ojvana	, ratoria len	be present.	menta del b	Tyrres C	10179
2.				Hydrophytic			
2. Total Cover:	%						
			%	Vegetation Present? Yes	No (		
9 / Total Cover:	iotic Crust	<u> </u>		Present? Yes			M6 TE

Depth	Matrix	013174	Redo	x Features	STUMBER.			2		Demode
nches)	Color (moist)	%	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	<u>n</u> 7	70 m	Remarks
0-16	10484/2	75	5 425/8	25	(	M	Sil	ty cl	any	vnertatut 1 jahosusus
	Name 12		Series Venezues and	e rango tenka	lana i			0	0	
	- CAULE			4 4 4 1	4 04 6					Later and the management
FROM	Acmused TVS			<u> </u>	0 3 5	33.		ROTELES J	de/Lax N	213122072 - 2 AVINO 1 1941214
	1000	obsedo M	25		2930	2.295.0	leinione y	hahen_	nata utili	was und Pame: Names
										princip of the damingly done
					and the co		7 1	Consequence (CA)	30	Take Thomson
1 63		d sacustra	SIDNU SECTION: THE		d chern i	2 - 5 - 3 - 1 - 1 - 1 - 1	- Parkers	1 301111111	1	
	Cohemest His	CHARLE VIII	mislaxø bebseel	10	<u>6m9(0)</u>	g válenasa		Y CONTRACT	No.	1 80% . Bg 18086/60%
	and the second	end manager (186	and the state of the	sjen sejt	inter a p	chanin	mich at	a rinaria	Lan	MATERIA DE VERSION
Type: C=C	Concentration, D=Depl	etion, RM=	Reduced Matrix.				C=Root Ch			0.10
					dy Loam	, Clay Loa				n, Silt, Loamy Sand, Sand
lydric Soil I	Indicators: (Applicabl	e to all LRR	s, unless otherwis	e noted.)						Hydric Soils:
Histoso			Sandy Red					m Muck (		
	pipedon (A2)		Stripped M					m Muck (	, ,	
	listic (A3)			cky Mineral				duced Ve	,	
	en Sulfide (A4)			eyed Matrix	(F2)			d Parent l		
	ed Layers (A5) (LRR C	3)	Depleted N		-0)			ner (Expla	iii iii Rei	Harks)
	luck (A9) (LRR D)	- (0.44)		rk Surface (I	-					
	ed Below Dark Surface	e (A11)		Dark Surface pressions (F						
	Dark Surface (A12)		Vernal Poo	CHARLES AND THE STREET	0)		<sup>4</sup> Indica	ors of hyd	trophytic	vegetation and
	Mucky Mineral (S1)		Veillai Foo	015 (1 9)						st be present.
	Gleyed Matrix (S4)	a VIIIA					1	and my are	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	Layer (if present):									
Type:	_		- Species							. ~
Depth (ir	nches):		1				Hydric	Soil Pres	ent? 1	res (V No (
YDROLO	OGY	oliow zeta	Providedca							mastic dianatisati
	OGY ydrology Indicators:	vice xeta	Providence				S	econdary	Indicator	rs (2 or more required)
Netland H	ydrology Indicators:		cient)				<u> </u>			rs (2 or more required)
Wetland Hy	ydrology Indicators: licators (any one indic			st (B11)			S	Water	Marks (B	31) (Riverine)
Wetland Hy Primary Ind	ydrology Indicators: licators (any one indic e Water (A1)		Salt Crus					Water     Sedime	Marks (B ent Depo	31) (Riverine) sits (B2) (Riverine)
Wetland Hy Primary Ind Surface High W	ydrology Indicators: licators (any one indic e Water (A1) Vater Table (A2)		Salt Crus Biotic Cru	ust (B12)	s (B13)			Water     Sedime	Marks (B ent Depo eposits (B	B1) (Riverine) sits (B2) (Riverine) B3) (Riverine)
Wetland Hy Primary Ind Surface High W Satural	ydrology Indicators: licators (any one indic e Water (A1) /ater Table (A2) tion (A3)	ator is suffic	Salt Crus Biotic Cru Aquatic I	ust (B12) nvertebrate				Water Sedime Drift De	Marks (Bent Depo eposits (E ge Patter	B1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10)
Wetland Hy Primary Ind Surface High W Satural	ydrology Indicators: licators (any one indic e Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonriver	ator is sufficiency	Salt Crus Biotic Cru Aquatic I Hydroge	ust (B12) nvertebrate n Sulfide Oc	lor (C1)	Living Ro		Water     Sedime   Drift December     Drainage     Dry-Se	Marks (Bent Depo eposits (Ege Patter ason Wa	B1) (Riverine) usits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2)
Primary Ind Surface High W Saturat Water Sedime	ydrology Indicators: licators (any one indic e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriver ent Deposits (B2) (No	ator is sufficiency ine) nriverine)	Salt Crus Biotic Cru Aquatic I Hydroge	ust (B12) nvertebrate n Sulfide Oo Rhizosphei	lor (C1) es along			Water   Sedime Drift De Drainae Dry-Se Thin M	Marks (Bent Depo eposits (Bent Depo eposits (Bent Deposits (Bent D	B1) (Riverine) usits (B2) (Riverine) B3) (Riverine) uns (B10) ater Table (C2) ace (C7)
Primary Ind Surface High W Satural Water Sedime	ydrology Indicators: licators (any one indic e Water (A1) /ater Table (A2) tion (A3) Marks (B1) (Nonriver ent Deposits (B2) (No eposits (B3) (Nonrive	ator is sufficiency ine) nriverine)	Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence	ust (B12) nvertebrates n Sulfide Od Rhizospher e of Reduce	lor (C1) res along d Iron (C	4)	ots (C3)	Water   Sedime Drift De Draina Dry-Se Thin M Crayfis	Marks (Bent Depo eposits (Bent Patter ason Wauck Surfa h Burrow	eti) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8)
Surface High W Saturat Water Sedime Drift De	ydrology Indicators: licators (any one indice e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriver ent Deposits (B2) (No eposits (B3) (Nonrive e Soil Cracks (B6)	ator is sufficiency ine) nriverine) rine)	Salt Crus Biotic Cri Aquatic I Hydrogel Oxidized Presence	ust (B12) nvertebrates n Sulfide Oc Rhizospher e of Reduce	lor (C1) res along d Iron (Co on in Plov	4)	ots (C3)	Water   Sedime Drift De Drainae Dry-Se Thin M Crayfis Saturae	Marks (Bent Depo eposits (Bent Deposits (Bent Depos	et1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (C9)
Surface Water Sedime Surface High W Saturat Water Sedime Drift De Surface	ydrology Indicators: licators (any one indice Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriver ent Deposits (B2) (No eposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aerial	ator is sufficiency ine) nriverine) rine)	Salt Crus Biotic Cri Aquatic I Hydrogel Oxidized Presence	ust (B12) nvertebrates n Sulfide Od Rhizospher e of Reduce	lor (C1) res along d Iron (Co on in Plov	4)	ots (C3)	Water   Sedime Drift De Drainae Dry-Se Thin M Crayfis Saturae	Marks (Bent Deposits	et1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (C9) rd (D3)
Surface Satural Water Drift De Surface Water	ydrology Indicators: licators (any one indicate Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriverent Deposits (B2) (Nonriveres) e Soil Cracks (B6) tion Visible on Aerial I Stained Leaves (B9)	ator is sufficiency ine) nriverine) rine)	Salt Crus Biotic Cri Aquatic I Hydrogel Oxidized Presence	ust (B12) nvertebrates n Sulfide Oc Rhizospher e of Reduce	lor (C1) res along d Iron (Co on in Plov	4)	ots (C3)	Water   Sedime Drift De Drainae Dry-Se Thin M Crayfis Saturae	Marks (Bent Depo eposits (Bent Deposits (Bent Depos	et1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (C9 rd (D3)
Surface High W Satural Water Drift De Surface Water	ydrology Indicators: licators (any one indicate Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriver ent Deposits (B2) (Nonriver es Soil Cracks (B6) tion Visible on Aerial I Stained Leaves (B9)	ine) nriverine) rine) Imagery (B7	Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent II Other (E.	ust (B12) nvertebrate: n Sulfide Oc Rhizosphei e of Reduce ron Reduction	lor (C1) res along d Iron (Co on in Plov	4)	ots (C3)	Water   Sedime Drift De Drainae Dry-Se Thin M Crayfis Saturae	Marks (Bent Deposits	et1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (C9 rd (D3)
Surface High W Saturat Water Surface High W Saturat Water Surface Inunda Water- Field Obse	ydrology Indicators: licators (any one indicate Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriver ent Deposits (B2) (Nonriver es Soil Cracks (B6) tion Visible on Aerial I Stained Leaves (B9)	ine) nriverine) rine) Imagery (B7	Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent II Other (E:	ust (B12) nvertebrate: n Sulfide Oc Rhizosphei e of Reduce ron Reduction	lor (C1) res along d Iron (Co on in Plov	4)	ots (C3)	Water   Sedime Drift De Drainae Dry-Se Thin M Crayfis Saturae	Marks (Bent Deposits	et1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (C9 rd (D3)
Surface Wetland Hy Primary Ind Surface High W Satural Water Surface Inunda Water- Field Obse	ydrology Indicators: licators (any one indice Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriver ent Deposits (B2) (No eposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aerial I Stained Leaves (B9) ervations: ater Present?	ine) nriverine) rine) Imagery (B7	Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent II Other (E.	ust (B12) nvertebrate: n Sulfide Oc Rhizospher e of Reduce ron Reductio xplain in Re	lor (C1) res along d Iron (Co on in Plov	4)	ots (C3)	Water   Sedime Drift De Drainae Dry-Se Thin M Crayfis Saturae	Marks (Bent Deposits	et1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (C9) rd (D3)
Surface Water Surface Water Sedime Drift De Surface Inunda Water- Field Obse Surface Water Table	ydrology Indicators: licators (any one indice Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriver ent Deposits (B2) (None eposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aerial I Stained Leaves (B9) ervations: ater Present? Y	ine) nriverine) rine) Imagery (B7	Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent II Other (E:	ust (B12) nvertebrate: n Sulfide Oc Rhizosphei e of Reduce ron Reductio xplain in Re inches):	lor (C1) res along d Iron (Co on in Plov	4) wed Soils (	ots (C3)	Water   Sedime Drift De Drainae Dry-Se Thin M Crayfis Saturae Shallov FAC-N	Marks (Bent Depo eposits (I ge Patter ason Wa uck Surfa h Burrow tion Visib v Aquitar eutral Te	et) (Riverine) esits (B2) (Riverine) esits (B2) (Riverine) esits (B10) ester Table (C2) eace (C7) evs (C8) este (D3) est (D5)
Surface Water Table Saturation (includes ca	ydrology Indicators: licators (any one indice Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriver ent Deposits (B2) (No eposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aerial I Stained Leaves (B9) ervations: ater Present? Present? Y Present? Applilary fringe)	ine) nriverine) rine) Imagery (B7	Salt Crus Biotic Cru Aquatic I Hydroge Oxidized Presence Recent II Other (E:	ust (B12) nvertebrate: n Sulfide Oc Rhizospher e of Reduce ron Reduction xplain in Re inches): inches):	lor (C1) es along d Iron (Con in in Plov marks)	4) wed Soils (	ots (C3)	Water   Sedima Drift De Drainae Dry-Se Thin M Crayfis Saturae Shallov FAC-N	Marks (Bent Depo eposits (I ge Patter ason Wa uck Surfa h Burrow tion Visib v Aquitar eutral Te	et) (Riverine) esits (B2) (Riverine) esits (B2) (Riverine) esits (B10) ester Table (C2) eace (C7) evs (C8) este (D3) est (D5)
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Wetland Hy Primary Ind Surface High W Saturat Water Surface Inunda Water-Field Obse Surface Water Table Saturation (includes ca	ydrology Indicators: licators (any one indice Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriver ent Deposits (B2) (Noneposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aerial I Stained Leaves (B9) Evations: ater Present? Present? Y Present? Apillary fringe) ecorded Data (stream	ine) nriverine) rine) //es	Salt Crus Biotic Cru Aquatic I Hydroge Coxidized Presence Recent II Other (E: No Depth (i) Depth (i) Depth (i) Initoring well, aeria	ust (B12) nvertebrate: n Sulfide Oc Rhizospher e of Reduce ron Reduction explain in Re sinches): inches): inches):	lor (C1) es along d Iron (Con in Plov marks)	wed Soils (  Wet spections)	ots (C3)	Water   Sedime Drift De Drainae Dry-Se Thin M Crayfis Saturae Shallow FAC-N	Marks (Bent Depo eposits (I ge Patter ason Wa uck Surfi h Burrow tion Visib w Aquitar eutral Te	R1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (C9) rd (D3) est (D5)  Yes No
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Wetland Hy Primary Ind Surface High W Saturat Water Surface Inunda Water-Field Obse Surface Water Table Saturation (includes ca	ydrology Indicators: licators (any one indice Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriver ent Deposits (B2) (Noneposits (B3) (Nonrive e Soil Cracks (B6) tion Visible on Aerial I Stained Leaves (B9) Evations: ater Present? Present? Y Present? Apillary fringe) ecorded Data (stream	ine) nriverine) rine) //es	Salt Crus Biotic Cru Aquatic I Hydroge Coxidized Presence Recent II Other (E: No Depth (i) Depth (i) Depth (i) Initoring well, aeria	ust (B12) nvertebrate: n Sulfide Oc Rhizospher e of Reduce ron Reduction explain in Re sinches): inches): inches):	lor (C1) es along d Iron (Con in Plov marks)	wed Soils (  Wet spections)	ots (C3)	Water   Sedime Drift De Drainae Dry-Se Thin M Crayfis Saturae Shallow FAC-N	Marks (Bent Depo eposits (I ge Patter ason Wa uck Surfi h Burrow tion Visib w Aquitar eutral Te	R1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (C9) rd (D3) est (D5)  Yes No
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Project/Site: 2 Gates/Connection Slough	City/County: Bacon Is	land, San Joaquin	Sampling Date: 9/9/08	8
Applicant/Owner: Contra Costa Water District	Tany!	State: CA	Sampling Point: 22	-B
nvestigator(s): T. Mahony, A. Richey	Section, Township, Ra	inge: T2N R	4E Sec 22	01-13
If we deliberate terrane ato ):	Local relief (concave,	convex, none): non	Slope (%	): 0-2
subregion (LRR): C - Mediterranean California Lat:	380 01 0.8"	Long: 1210 31"	32" Datum: N.	AD 83
oil Map Unit Name: Itano silty clay, paritally drained, 0-2%:		NWI classific	ation:	
re climatic / hydrologic conditions on the site typical for this time of	/	(If no, explain in R	emarks.)	
		"Normal Circumstances"	/	No C
		eeded, explain any answe		
no regetation.				es etc.
SUMMARY OF FINDINGS - Attach site map showi	ng sampling politi	ocations, transects	, important routar	00, 0101
Hydrophytic Vegetation Present? Yes No 🗸	Jay Loan, Sandy Lagn, C		altrashooti evostalbol	
Hydric Soil Present? Yes No	Is the Sample		W. C	
Wetland Hydrology Present? Yes No	within a Wetla	nd? Yes	No (V	I silent
Remarks:				
(switches) in the plant of the	as the scatter 2 days	Feetball	10 98/15 (885 block	Magnit I
EGETATION		efelgati [T] (FF/6)	ad below Dayk Surface.	
Tree Stratum (Use scientific names.) 4 Cov		Dominance Test work		
The distant	ver opecies: otatus	Number of Dominant S That Are OBL, FACW,		(A)
1		_	COSSOCIONI STATE	twill the last
2		<ul> <li>Total Number of Domi</li> <li>Species Across All Str</li> </ul>		(B)
4.				
Total Cover:	%	<ul> <li>Percent of Dominant S</li> <li>That Are OBL, FACW,</li> </ul>		(A/B)
Sapling/Shrub Stratum		Prevalence Index wo	rksheet:	
1		Total % Cover of:	Multiply by:	
2		OBL species	x 1 =	0
3. 4.		FACW species	x 2 =	0
5.		FAC species	x 3 =	0
Total Cover:	%	FACU species	x 4 =	0
Herb Stratum	S. J. S. J. 1633	UPL species	x 5 =	0
1. Bromus diandry 15	5 Y NL	Column Totals:	(A)	0 (B)
2. Laphams soting 12	D NL	Prevalence Inde	x = B/A =	
3.	In the cost base tract to ac-	Hydrophytic Vegetat	and the second second section in the second section is	
4.	tron Paste stant in Disease	Dominance Test		Analysis I
5.	Labrame () at places	Prevalence Index	is ≤3.0 <sup>1</sup>	
6.		Morphological Ad	aptations1 (Provide sup	porting
7. 8.	- Angelows	The second secon	ks or on a separate she	
Total Cover:	%	Problematic Hydr	ophytic Vegetation <sup>1</sup> (Ex	(piain)
Woody Vine Stratum	10	Indicators of hydric	soil and wetland hydrol	oav must
1. The ass' On sev Stassard vanious is hard to be		be present.	son and wedarid hydror	-9,
Z. Tatal Course	BOOK	Hydrophytic	SHE HATCH ST.	
Total Cover:	%	Vegetation		
% Bare Ground in Herb Stratum 15 % % Cover of Bio	otic Crust	Present?	′es ○ No ②	fly -
Remarks:				

Sampling Point: 228

Depth	Matrix	nitteed.		Features	- 4	- 2	T-, 1 3		Domarka
nches)	Color (moist)		Color (moist)		ype <sup>1</sup> Lo	C <sup>2</sup> _	Texture <sup>3</sup>	Carried Control	Remarks
2-16	101P 4/2	99 1	04R 4/8	deal of par	C n	1 1	selty il	ely	21 (48/10/10/11/19/10/19/10
1756			name to				0	0	ors laughter sealthan also
2			9.5	A 124	2 5		nel seen CII		
	12:00 ta C 1	15 10	A STATE OF THE STA						A CONTRACTOR
	molis	Strater NV							
	Coheme	<u> delmining r</u>	ne la · Troid		Congress of	ordin delphi	THE ISSUED BY	0.010.16.401	officials of decision is some
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	e and an end on an	in a series of	Alaren Kaham III	en faci	resulting City	10.11600	-1011. east		Casta Codellar
100	1 8 8 18 18 18 18 18 18								
	oncentration, D=Depl	otion PM-Po	oduced Matrix	<sup>2</sup> Location: P	I =Pore Lini	na RC=	=Root Chann	el. M=Matri	X.
Soil Texture	e: Clay Silty Clay S	Sandy Clay I o	nam Sandy Clay I	_oam. Sand	v Loam, Cla	y Loam,	, Silty Clay Lo	oam, Silt Lo	oam, Silt, Loamy Sand, Sar
	ndicators: (Applicable				,	,	Indicators f	or Problem	atic Hydric Soils:
Histosol		e to all Lixixs,	Sandy Redox					luck (A9) (L	
	oipedon (A2)		Stripped Ma	DE IN ANTALMAN IN				luck (A10)	
	istic (A3)		Loamy Mucl	ky Mineral (F	<del>-</del> 1)			ed Vertic (F	
Hydroge	en Sulfide (A4)		Loamy Gley	ed Matrix (F	2)			arent Mater	
Stratified	d Layers (A5) (LRR C	<b>(</b> )	Depleted Ma				Other	Explain in l	Remarks)
	uck (A9) (LRR D)			Surface (F6					
	d Below Dark Surface	e (A11)		ark Surface ( essions (F8)					
	ark Surface (A12)		Vernal Pool		noc soul		⁴Indicators	of hydroph	ytic vegetation and
	Mucky Mineral (S1) Gleyed Matrix (S4)		Vernari oor	3 (1 3)					must be present.
	Layer (if present):	N INSTALL FOR	Chon A. South						
	Layer (ii present).								de la company de
Type:									
Donth (in	abaa):	and the second	L Special				Hydric Soil	Present?	Yes No O
Depth (in	iches):		- 5980ss	0 -	1		Hydric Soil	Present?	Yes No O
Depth (in Remarks:	nches):	ındi	cators o	ob serv	ed		Hydric Soil	Present?	Yes No O
	No soils	mdi	castors c	ob serv	ed		Hydric Soil	Present?	Yes No (V
	No soils	ındi	castors c	ob serv	ed		Hydric Soil	Present?	Yes No (V
Remarks:	No soils	ındi	cators	ob serv	ed		Hydric Soil	Present?	Yes No (V
Remarks:	No soils	July report	cators o	ob serv	ed		700 kajo T		to the state of the state of
YDROLO Wetland Hy	NO Soils  OGY  rdrology Indicators:	Stow rebox e	SCHOOLSTEE	ob Serv	ed		Seco	ndary Indic	ators (2 or more required)
YDROLO Wetland Hy Primary Indi	NO Souls  OGY  Idrology Indicators: icators (any one indic	Stow rebox e	ent)		ed		Secol	ndary Indic Vater Marks	ators (2 or more required) s (B1) ( <b>Riverine</b> )
YDROLO Wetland Hy Primary Indi Surface	NO Souls  OGY  Idrology Indicators: icators (any one indicators) Water (A1)	Stow rebox e	ent)	(B11)	ed	75	Seco	ndary Indic: Vater Marks Sediment Do	ators (2 or more required) s (B1) (Riverine) eposits (B2) (Riverine)
YDROLC Wetland Hy Primary Indi Surface High W	NO Souls  OGY  rdrology Indicators: icators (any one indice a Water (A1) rdret Table (A2)	Stow rebox e	ent) Salt Crust Biotic Cru	(B11) st (B12)		150	Seco V	ndary Indica Vater Marks Sediment Do Drift Deposi	ators (2 or more required) s (B1) (Riverine) eposits (B2) (Riverine) ts (B3) (Riverine)
YDROLC Wetland Hy Primary Indi Surface High W Saturat	NO Souls  OGY  Idrology Indicators: icators (any one indicators (A1) Auter Table (A2) ion (A3)	cator is sufficie	ent) Salt Crust Biotic Cru Aquatic In	(B11) st (B12) vertebrates	(B13)		Secol V	ndary Indica Vater Marks Sediment Do Drift Deposit Orainage Pa	ators (2 or more required) s (B1) (Riverine) eposits (B2) (Riverine) ts (B3) (Riverine) atterns (B10)
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YDROLC Wetland Hy Primary Indi Surface High W Saturat Water I Sedime Drift De Surface Inundae Water-Field Obse	order (A1)  Available (A2)  Available (A3)  Marks (B1) (Nonriver (B4)  Available (B3) (Nonriver (B4)  Available (B4)  Availabl	cator is sufficients  rine)  nriverine)  lmagery (B7)  Yes ( No	Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex	(B11) st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced on Reduction plain in Rem inches):	(B13) or (C1) os along Livi Iron (C4) on in Plowed	Soils (C	Secon	ndary Indica Vater Marks Sediment De Orift Deposi Orainage Pa Ory-Season Thin Muck Season Crayfish Bu Saturation Neshallow Aqu	ators (2 or more required) s (B1) ( <b>Riverine</b> ) eposits (B2) ( <b>Riverine</b> ) ts (B3) ( <b>Riverine</b> ) atterns (B10) Water Table (C2) Surface (C7) rrows (C8) //sible on Aerial Imagery (Cuitard (D3) at Test (D5)
YDROLC Wetland Hy Primary Indi Surface High W Saturat Water I Sedime Drift De Surface Inundar Water-Field Obse Surface Water Table Saturation	order of the present?  Present?  Prevent Persent?  Present?	cator is sufficients  rine)  prine)  prine)  Imagery (B7)  Yes ( No. Yes ( No. Yes ( No.	ent)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex	(B11) st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced on Reduction plain in Rem inches): inches):	(B13) or (C1) is along Livi Iron (C4) in in Plowed narks)	Soils (C	Secon V	ndary Indica Vater Marks Sediment De Orift Deposi Orainage Pa Ory-Season Thin Muck Season Crayfish Bu Saturation Neshallow Aqu	ators (2 or more required) s (B1) ( <b>Riverine</b> ) eposits (B2) ( <b>Riverine</b> ) ts (B3) ( <b>Riverine</b> ) atterns (B10) Water Table (C2) Surface (C7) rrows (C8) //sible on Aerial Imagery (Cuitard (D3) at Test (D5)
YDROLC Wetland Hy Primary Indi Surface High W Saturat Water I Sedime Drift De Surface Inundar Water-Field Obse Surface Water Table Saturation	order (A1)  Vater Table (A2)  Varion (A3)  Vater Table (A2)  Vater Table (A2)  Vater Table (B2)  Vater (B3)  Varion (B3)  Varion (B3)  Varion (B3)  Varion (B3)  Varion (B3)  Varion (B4)  Vater Table (A2)  Varion (B4)  Vater Table (A2)  Varion (B4)  Var	cator is sufficients  rine)  prine)  prine)  Imagery (B7)  Yes ( No. Yes ( No. Yes ( No.	ent)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex	(B11) st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced on Reduction plain in Rem inches): inches):	(B13) or (C1) is along Livi Iron (C4) in in Plowed narks)	Soils (C	Secon V	ndary Indica Vater Marks Sediment De Orift Deposi Orainage Pa Ory-Season Thin Muck Season Crayfish Bu Saturation Neshallow Aqu	ators (2 or more required) s (B1) ( <b>Riverine</b> ) eposits (B2) ( <b>Riverine</b> ) ts (B3) ( <b>Riverine</b> ) atterns (B10) Water Table (C2) Surface (C7) rrows (C8) //sible on Aerial Imagery (Cuitard (D3) at Test (D5)
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YDROLO Wetland Hy Primary Indi Surface High W Saturat Water I Sedime Drift De Surface Inundar Water Field Obse Surface Wa Water Table Saturation I (includes ca	order of the control	cator is sufficients  crine) conriverine) crine) Imagery (B7)  Yes ( No Yes ( No Yes ( No The Months of the Months	ent)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex	(B11) st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced on Reductior plain in Rem aches):	(B13) or (C1) os along Livi Iron (C4) on in Plowed narks)	Soils (C	Secon V S S S S S S S S S S S S S S S S S S S	ndary Indica Vater Marks Sediment De Orift Deposi Orainage Pa Ory-Season Thin Muck Season Crayfish Bu Saturation Neshallow Aqu	ators (2 or more required) s (B1) ( <b>Riverine</b> ) eposits (B2) ( <b>Riverine</b> ) ts (B3) ( <b>Riverine</b> ) atterns (B10) Water Table (C2) Surface (C7) rrows (C8) //sible on Aerial Imagery (Cuitard (D3) at Test (D5)
YDROLO Wetland Hy Primary Indi Surface High W Saturat Water I Sedime Drift De Surface Inundar Water Field Obse Surface Wa Water Table Saturation I (includes ca	order of the present?  Present?  Prevent Persent?  Present?	cator is sufficients  crine) conriverine) crine) Imagery (B7)  Yes ( No Yes ( No Yes ( No The Months of the Months	ent)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex	(B11) st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced on Reductior plain in Rem aches):	(B13) or (C1) os along Livi Iron (C4) on in Plowed narks)	Soils (C	Secon V S S S S S S S S S S S S S S S S S S S	ndary Indica Vater Marks Sediment De Orift Deposi Orainage Pa Ory-Season Thin Muck Season Crayfish Bu Saturation Neshallow Aqu	ators (2 or more required) s (B1) ( <b>Riverine</b> ) eposits (B2) ( <b>Riverine</b> ) ts (B3) ( <b>Riverine</b> ) atterns (B10) Water Table (C2) Surface (C7) rrows (C8) //sible on Aerial Imagery (Cuitard (D3) at Test (D5)
YDROLO Wetland Hy Primary Indi Surface High W Saturat Water I Sedime Drift De Surface Inundar Water Field Obse Surface Wa Water Table Saturation I (includes ca	order of the control	cator is sufficients  crine) conriverine) crine) Imagery (B7)  Yes ( No Yes ( No Yes ( No The Months of the Months	ent)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex	(B11) st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced on Reductior plain in Rem aches):	(B13) or (C1) os along Livi Iron (C4) on in Plowed narks)	Soils (C	Secon V S S S S S S S S S S S S S S S S S S S	ndary Indica Vater Marks Sediment De Orift Deposi Orainage Pa Ory-Season Thin Muck Season Crayfish Bu Saturation Neshallow Aqu	ators (2 or more required) s (B1) ( <b>Riverine</b> ) eposits (B2) ( <b>Riverine</b> ) ts (B3) ( <b>Riverine</b> ) atterns (B10) Water Table (C2) Surface (C7) rrows (C8) //sible on Aerial Imagery (Cuitard (D3) at Test (D5)
YDROLO Wetland Hy Primary Indi Surface High W Saturat Water I Sedime Drift De Surface Inundar Water Field Obse Surface Wa Water Table Saturation I (includes ca	order of the control	cator is sufficients  crine) conriverine) crine) Imagery (B7)  Yes ( No Yes ( No Yes ( No The Months of the Months	ent)  Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Irc Other (Ex	(B11) st (B12) vertebrates Sulfide Odo Rhizosphere of Reduced on Reductior plain in Rem aches):	(B13) or (C1) os along Livi Iron (C4) on in Plowed narks)	Soils (C	Secon V S S S S S S S S S S S S S S S S S S S	ndary Indica Vater Marks Sediment De Orift Deposition Orainage Pa Ory-Season Thin Muck Season Crayfish But Saturation Neshallow Aques	ators (2 or more required) s (B1) ( <b>Riverine</b> ) eposits (B2) ( <b>Riverine</b> ) ts (B3) ( <b>Riverine</b> ) atterns (B10) Water Table (C2) Surface (C7) rrows (C8) //sible on Aerial Imagery (Cuitard (D3) at Test (D5)

Project/Site: 2 Gates/Connection Slough Ci	ty/County: Bacon Isla	and, San Joaquin	Sampling Date: 9/	/9/08
Applicant/Owner: Contra Costa Water District	igy) 6	State: CA	Sampling Point:	23 A
	ection, Township, Ran	ge: T2N R	4E sec 2	2
	ocal relief (concave, c	)		ne (%): 0-2
	800' 2.4"	Long: 1210 31	1 - 0 11	n: NAD 83
Soil Map Unit Name: Itano silty clay, paritally drained, 0-2% slope		NWI classifi	cation:	
Are climatic / hydrologic conditions on the site typical for this time of year		(If no, explain in I	Remarks.)	
		Normal Circumstances"		No C
		eded, explain any answ		
and vogetation.				4
SUMMARY OF FINDINGS - Attach site map showing s	ampling point lo	cations, transects	s, important fea	itures, etc.
Hydrophytic Vegetation Present? Yes No	Clay Lasm. Sandi Lo			Leasured had
Hydric Soil Present? Yes / No	Is the Sampled	Area	/ desting a sense	ping was aring A track of
Wetland Hydrology Present? Yes No	within a Wetlan	d? Yes (V	No C	
Remarks:	(19) issembly votocoti	versea 1 hear	(6/4)	Black Histo
				8 respectivit [
Citier (Explain in Esmarks)				au badhasa i
VECETATION	(TS) anches but he	Resease Coecias	i speniel shed wor	od natotooC
VEGETATION  Absolute [	Dominant Indicator	Dominance Test wor	ksheet:	Contracted to
	Species? Status	Number of Dominant		
Insering ed faunt ygolotoyn briefless		That Are OBL, FACW		(A)
2.		Total Number of Dom	inant	
3.		Species Across All St	rata: 2 🎉	(B)
4.		Percent of Dominant	Species	
Total Cover: %		That Are OBL, FACW	, or FAC: 100	% (A/B)
Sapling/Shrub Stratum  1.		Prevalence Index wo	orksheet:	
2.		Total % Cover of	Multiple	y 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	Otal antendation of	UPL species	x 5 =	0
1. Cynodon dactylon	y FAC	Column Totals:	(A)	0 (B)
2. Cyperus eragiostis 5	IN FACH	Prevalence Inde	ex = B/A =	
3. Pulpia promoides 25	y FACW	Hydrophytic Vegeta	tion Indicators:	
5. Lagshanus sattva 5	100	Dominance Test	is >50%	
6.	Jackson of the District	Prevalence Index		
7.			daptations <sup>1</sup> (Provide rks or on a separate	
8.	seemonn (		rophytic Vegetation	
Total Cover: %	(aastoni)		oprifice regulation	
Woody Vine Stratum		<sup>1</sup> Indicators of hydric	soil and wetland hy	drology must
1. A old VII say Stassard veolonbyli basileW	To minute appropriation	be present.	(aprel) (aprel) (aprel) (aprel)	enangās adbola: Angras Caera
Z	n saturery adming has	Hydrophytic		
		Vegetation	res V No (	alteris
% Bare Ground in Herb Stratum % Cover of Biotic Cr	rust	Present?	Yes (V No (	
Remarks:				
[일점 기본 기업 시간 기업				

rofile Desc Depth	Matrix	filipi	ok as			Features				3	Donath Comment
nches)	Color (moist)	%	Color	(moist	t)	%	Type <sup>1</sup>	_Loc <sup>2</sup>		ire <sup>3</sup>	Remarks
0-16	10 yr 2/1	85	5	1R.	量)	15	C	m	selt	loam_	Studios V Mahaga A 114
55	Last transfer			4	5/8				14.4	No. 1 man M.	. yrale esemet ngolelfith (mole
		1100	1 11/12	Surery 3	1		A 9 5 C	12.1			
		-					2				and the second sections of the second
	195	BOTHS DIO 1/V	<u> </u>				15574	100 000	10000	<u> </u>	99 A215 90001 Subserver 680
	<u> </u>	esi ni esibua	a en it		O UM		25Y 75s	s to exami	2141 701-150	egys alta sell T	a supplier on pipologicy and prisons
- 5 oM	A sections	но Гавопъли	eo:O	sonnal	4 514		gert, kab	are soding		), Vbolovech a	a . Tage South and a second
	Lestman Dini	mawana waa							STILL STILL	T veoletoval is	e Miles Clerisisse
vpe: C=C	oncentration, D=De	oletion, RM=F	Reduce	ed Matr	rix.	<sup>2</sup> Location	n: PL=Pore	E Lining, F	RC=Root (	Channel, M=M	latrix.
Soil Texture	es: Clay, Silty Clay,	Sandy Clay,	Loam,	Sandy	Clay L	_oam, Sa	indy Loam	, Clay Lo	am, Silty	Clay Loam, Sil	It Loam, Silt, Loamy Sand, Sand
ydric Soil I	ndicators: (Applica	ole to all LRR	s, unle	ss othe	erwise	noted.)					lematic Hydric Soils:
Histosol	(A1)				Redox	the second second			23/1 - 1	1 cm Muck (AS	
	pipedon (A2)					trix (S6)				2 cm Muck (A	
	istic (A3)				-	ky Minera				Reduced Verti Red Parent Ma	
	en Sulfide (A4)	0)				ed Matrix	( (F2)			Sther (Explain	
	d Layers (A5) (LRR	<b>C</b> )		,		atrix (F3) Surface	(E6)			Other (Explain	Till Remarks)
	uck (A9) ( <b>LRR D</b> ) d Below Dark Surfa	ρ (Δ11)	V			ark Surfa					
	ark Surface (A12)	SC (ATT)	H			essions (					
	Mucky Mineral (S1)		30		al Pools				⁴Indio	cators of hydro	ophytic vegetation and
	Gleyed Matrix (S4)								W	etland hydrolo	ogy must be present.
		Jen VK-Juk 3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		_						
estrictive	Layer (if present):										
	Layer (if present):										
Type:		of Demissing	edenek e e IC 16 In ICO su	Total I					Hydri	c Soil Preser	nt? Yes No No
Type: Depth (in Remarks:	iches):	or Dominant Store EACVy or nidex works	edensk E 10 m (EO en Februar	Total I					Hydri	c Soil Preser	nt? Yes No No
Type:  Depth (in Remarks:	oches):	COF DOMINAN STREET SPOON FACVO OR	edavik Li to si Li contaci Li contaci Li contaci	Total I Special Percent Prevail	C				Hydri	61	
Type:  Depth (in Remarks:  YDROLC  Wetland Hy	OGY		edicale	Total Indianal American Prevent	~				Hydri	Secondary In	idicators (2 or more required)
Type: Depth (in Remarks:  YDROLO  Vetland Hy Primary Indi	OGY vidrology Indicators		cient)	Provest Proves					Hydri	Secondary In  Water Ma	dicators (2 or more required) arks (B1) ( <b>Riverine</b> )
Type: Depth (in Remarks:  YDROLO Vetland Hy Primary Indi Surface	OGY rdrology Indicators icators (any one index Water (A1)		cient)	100000	Crust				Hydri	Secondary In  Water Mater Mate	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine)
Type:	OGY  rdrology Indicators cators (any one index Water (A1) later Table (A2)		cient)	Bioti	ic Crus	st (B12)	(0.12)		Hydri	Secondary In  Water Mater Mate	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) sosits (B3) (Riverine)
Type:  Depth (in Remarks:  YDROLO  Vetland Hy Primary Indi Surface High W Saturat	oches):  oddy  odrology Indicators icators (any one indicators (A1) oddy oddy oddy oddy oddy oddy oddy odd	cator is suffic	cient)	Bioti	ic Crus	st (B12) vertebrat			Hydri	Secondary In  Water Mater Mate	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) acids (B3) (Riverine) acids (B3) (Riverine)
Type: Depth (in Remarks:  YDROLC  Vetland Hy Primary Indi Surface High W Saturat Water N	ordes):  OGY  Indicators Indicato	cator is suffic	cient)	Bioti Aqu Hyd	ic Crus latic Inv Irogen	st (B12) vertebrat Sulfide C	odor (C1)	L Living D	nevolt sal	Secondary In  Water Mi  Sedimen  Drift Dep  Drainage  Dry-Seas	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) acids (B3) (Riverine) acids (B4) (Riverine) acids (B4) acids (B
Type: Depth (in Remarks:  YDROLO Vetland Hy Primary Indi Surface High W Saturat Water M Sedime	order (A1) later Table (A2) lion (A3) Marks (B1) (Nonrive	cator is suffic erine) conriverine)	cient)	Bioti Aqu Hyd Oxid	ic Crus latic Inv Irogen dized F	st (B12) vertebrate Sulfide C Rhizosphe	odor (C1) eres along		Hydri	Secondary In  Water Ma  Sedimen  Drift Dep  Drainage  Dry-Seas	arks (B1) (Riverine) arks (B3) (Riverine) at Deposits (B2) (Riverine) aosits (B3) (Riverine) a Patterns (B10) son Water Table (C2) ack Surface (C7)
Type: Depth (in Remarks:  YDROLO  Vetland Hy Primary Indi Surface High W Saturat Water M Sedime Drift De	order (A1) dater Table (A2) ion (A3) Marks (B1) (Nonrive ent Deposits (B2) (Nonrive	cator is suffic erine) conriverine)	cient)	Bioti Aqu Hyd Oxid	ic Crus latic Inv lrogen dized F sence	st (B12) vertebrat Sulfide C Rhizospho of Reduc	odor (C1) eres along ed Iron (C	(4)	coots (C3)	Secondary In  Water Ma  Sediment  Drift Dep  Drainage  Dry-Seas  Thin Muc	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) assits (B3) (Riverine) a Patterns (B10) ason Water Table (C2) ack Surface (C7) Burrows (C8)
Type: Depth (in Remarks:  YDROLO  Vetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface	order (A1) cater Table (A2) con (A3) Marks (B1) (Nonrive ent Deposits (B2) (Nonrive es Soil Cracks (B6)	cator is suffice erine) conriverine) erine)		Bioti Aqu Hyd Oxio Pres	ic Crus latic Inv lrogen dized F sence	st (B12) vertebrate Sulfide C Rhizospho of Reduction Reduction	odor (C1) eres along ed Iron (C tion in Plo	(4)	coots (C3)	Secondary In  Water Mater Mate	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) assits (B3) (Riverine) a Patterns (B10) ason Water Table (C2) ack Surface (C7) Burrows (C8) an Visible on Aerial Imagery (C9)
Type: Depth (in Remarks:  YDROLO  Vetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat	order (A1) cators (any one index (A2) ion (A3) Marks (B1) (Nonrive (B2) (Norrive (B3)	cator is sufficerine) ponriverine) erine) Imagery (B7		Bioti Aqu Hyd Oxio Pres	ic Crus latic Inv lrogen dized F sence	st (B12) vertebrat Sulfide C Rhizospho of Reduc	odor (C1) eres along ed Iron (C tion in Plo	(4)	coots (C3)	Secondary In  Water Mail  Sedimen  Drift Dep  Drainage  Dry-Seas  Thin Muc  Crayfish  Saturatio  Shallow	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) assits (B3) (Riverine) a Patterns (B10) ason Water Table (C2) ack Surface (C7) Burrows (C8) an Visible on Aerial Imagery (C9) Aquitard (D3)
Type: Depth (in Remarks:  YDROLO Vetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S	order variable (A2) ion (A3) Marks (B1) (Nonrive at Deposits (B3) (Nonrive at Deposits (B6) (Non	cator is sufficerine) ponriverine) erine) Imagery (B7		Bioti Aqu Hyd Oxio Pres	ic Crus latic Inv lrogen dized F sence	st (B12) vertebrate Sulfide C Rhizospho of Reduction Reduction	odor (C1) eres along ed Iron (C tion in Plo	(4)	coots (C3)	Secondary In  Water Mail  Sedimen  Drift Dep  Drainage  Dry-Seas  Thin Muc  Crayfish  Saturatio  Shallow	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) assits (B3) (Riverine) a Patterns (B10) ason Water Table (C2) ack Surface (C7) Burrows (C8) an Visible on Aerial Imagery (C9)
Type: Depth (in Remarks:  YDROLC  Vetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S	ordes):  order  orderology Indicators  cators (any one index  order (A1)  ater Table (A2)  ion (A3)  Marks (B1) (Nonrive  ent Deposits (B2) (No  eposits (B3) (Nonrive  es Soil Cracks (B6)  cion Visible on Aeria  Stained Leaves (B9)  rvations:	cator is suffice erine) conriverine) erine)		Bioti Aqu Hyd Oxic Pres Rec Othe	ic Crus latic Inv Irogen dized F sence cent Iro er (Exp	st (B12) vertebrate Sulfide C Rhizosphe of Reduce on Reduce blain in R	odor (C1) eres along ed Iron (C tion in Plo	(4)	coots (C3)	Secondary In  Water Mail  Sedimen  Drift Dep  Drainage  Dry-Seas  Thin Muc  Crayfish  Saturatio  Shallow	adicators (2 or more required) arks (B1) (Riverine) at Deposits (B2) (Riverine) assits (B3) (Riverine) a Patterns (B10) ason Water Table (C2) ack Surface (C7) Burrows (C8) an Visible on Aerial Imagery (C9) Aquitard (D3)
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Project/Site: 2 Gates/Connection Slough	City/County	Bacon Islan	d, San Joaquin	Sampling Date: 9	0/9/08
Applicant/Owner: Contra Costa Water District		(telor	State: CA	Sampling Point:	23B
nvestigator(s): T. Mahony, A. Richey	Section, To	wnship, Range	TIN B	4F sec 2	2
_andform (hillslope, terrace, etc.): +wall	Local relie	f (concave, con	vex, none): hum		pe (%): 0-6
	at: 38° 0'	and the same of th	ong: 121° 31'	VIII CO	m: NAD 83
outrogien (= y) C = priediterraneam camorina		LIT	NWI classi		THE
Soil Map Unit Name: Itano silty clay, paritally drained, 0-2		/ 110			
Are climatic / hydrologic conditions on the site typical for this tim			(If no, explain in		NI- C
Are Vegetation Soil or Hydrology signif	icantly disturbed?		rmal Circumstances		No C
Are Vegetation Soil or Hydrology natur	ally problematic?	(If need	ed, explain any ansv	vers in Remarks.)	
SUMMARY OF FINDINGS - Attach site map sho	wing samplin	g point loca	ations, transect	s, important fe	atures, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Remarks:	ls t	he Sampled Al	Yes (	No (1)	constitute of the state of the
Appear area seems to be	e a con	rpacted	area w/	fire track	
VEGETATION	(1-7) soat	us visc tatalo	0 7 6 4	social Surface	B betrige 3
	Solute Dominant Cover Species?	Status	Dominance Test wo Number of Dominant That Are OBL, FACV	Species	(A)
2.			Total Number of Don Species Across All S		(B)
4.					
Total Cover:	%		Percent of Dominant That Are OBL, FACV		) % (A/B)
Sapling/Shrub Stratum	70		N. T. M. C.	10	, , , , , , , , , , , , , , , , , , , ,
1.	24 7 1 3	Sent the second	Prevalence Index w		
2.			Total % Cover o	f: Multip x 1 =	TO DESCRIPTION OF THE PERSON O
3.		and the second s	OBL species FACW species	x 1 = x 2 =	0
4. The resident distriction of the second se		27.21	FAC species	x 3 =	0
5	0/		FAC species	x 4 =	0
Total Cover:	%		UPL species	x 5 =	0
1. Camp don dactulon	95 y	relevant relevan	Column Totals:	(A)	0 (B)
2. ymo aun aacryvon	15 y	700	Column Fotals.	(7)	0 (-7
3.	manda granda a sono		Prevalence Inc	lex = B/A =	
4.	- <del>(2-2)</del> - <del>(2-1)</del>		Hydrophytic Veget	ation Indicators:	
5.	C home and the second		Dominance Tes		
6.			Prevalence Inde		
7.			Morphological A	daptations <sup>1</sup> (Providents or on a separat	e supporting
8.		Metadoria dina		drophytic Vegetation	
Total Cover:	%	(serion) rine		aropriyao vegetatioi	(Explain)
Woody Vine Stratum  1.		(sedeci) dice	<sup>1</sup> Indicators of hydric be present.	soil and wetland h	ydrology must
2	xincoana el olivaro	zaknio isnez	Mauricanofestica cos	econtrollor sintchel	Notice of the second second
Total Cover:  % Bare Ground in Herb Stratum 5 % % Cover of	% Biotic Crust	%	Hydrophytic Vegetation Present?	Yes ( No (	
The state of the s				8.170 K. S. S. S. S.	
Remarks:					

Depth	Matrix		Redox	x Features	PATE 2		n the absen Texture	3		Remarks
inches)	Color (moist)		olor (moist)		Type <sup>1</sup>	Loc <sup>2</sup>			1	Remarks
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<u> 2000</u>	E0018 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CHER	CXBCCCO . SVE.	iteta) (ellen l	874			-	10000	Carrier addressed to the second
<u> </u>	2.2.4 Oxtune	12 1 21	gaol "I	1 5 9	XA.	is.l	56379	10070	<u>-1910/110/110</u>	
1212	.00852	fineals RAVIL			23001	(P.C.0)	i <u>anlest, ril</u>	diame.	relo intigio	ned temes and general
	( ahamcis	of matical on	9 - 500	10120	F Vinas i	o entri es	tradiciones	SHE GIG.	rio alteriore	co ospalosbyr. Fate a sla s
Note:	The sect The sector	Tellometamicolik	Lighted to A	- Thad	sdala vin	solfapis	- 17 ) v	perferibular.	10 77	ing Tacasasaya
	Lakamen ni me	wana ing mala	ill meded, ex	1999	reskilling	dawah	<u> </u>	y /orayla	10-	lis2 Indirectory
The state of the s	And the transmi	vinament s	naileast ist	ion nella		isan da	recession.	ri-colo	i naki	CHEST SO VELLERA
Гуре: С=С	Concentration, D=Deple	etion, RM=Red	uced Matrix.	<sup>2</sup> Location:	PL=Pore	Lining, R	RC=Root Ch	annel, M	I=Matrix.	Silt Loamy Sand Sand
					dy Loam,	Clay Loa	Indicate	ors for P	roblematic	Silt, Loamy Sand, Sand
Histoso	Indicators: (Applicable	e to all LKKS, ui	Sandy Redo						(A9) (LRR	
	Epipedon (A2)	9 44	Stripped M	A PROPERTY.					(A10) (LRF	
Black F	Histic (A3)			cky Mineral					ertic (F18)	FE0)
	gen Sulfide (A4)			eyed Matrix	(F2)				t Material (1 Iain in Rem	
	ed Layers (A5) ( <b>LRR C</b> luck (A9) ( <b>LRR D</b> )	;) [	Depleted N	rk Surface (l	<del>-</del> 6)			ici (Lxp	iaiii iii ikoiii	urro)
	ed Below Dark Surface	e (A11)		Dark Surface						
	Dark Surface (A12)	Now Set to a	THE PROPERTY OF THE PARTY.	oressions (F	(8)					
,	Mucky Mineral (S1)	os Damielmis S	Vernal Poo	ols (F9)						vegetation and to be present.
	Gleyed Matrix (S4)	WOAL 180 s	yA Janet V				weti	and nyu	Tology Illus	t be present.
	Layer (if present):									,
Type:		TO BE ESCHALL	Spenie				Hydric	Soil Pre	sent? Ye	es No (V
Depth (in Remarks:		1.	-1			,				
Remarks.	no sort	3 mdi	calors	presen	i.	Son	la m	nore	comp	acted
wit	the a seator	1. 6 m	0			1400	1-00			
	il a lasti	of the no	ayer o	about	12 ,	nch	e belo	w s	wrfac	e
		corre x	ayer o	about	12 ,	nch	e belo	N S	urfac	e
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YDROLO	OGY ydrology Indicators:	2909 200908	qa (40	about	12 /	nch		econdar	y Indicators	(2 or more required)
YDROLO Wetland H Primary Inc	OGY ydrology Indicators: dicators (any one indic	2909 200908	()		12 /	nchu		econdar Wate	y Indicators r Marks (B1	(2 or more required) ) (Riverine)
YDROLO Wetland H Primary Inc	OGY ydrology Indicators: dicators (any one indicate Water (A1)	2909 200908	t) Salt Crus	st (B11)	12 /	nchu		econdar Wate	y Indicators r Marks (B1 nent Depos	(2 or more required) (Riverine) (its (B2) (Riverine)
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YDROLO Wetland H Primary Inc Surfac High V Satura Water Sedim	OGY  ydrology Indicators: dicators (any one indicate Water (A1) Vater Table (A2) stion (A3) Marks (B1) (Nonriversitent Deposits (B2) (No	ator is sufficient ine) nriverine)	Salt Crus Biotic Cru Aquatic I Hydroger Oxidized	st (B11) ust (B12) nvertebrate	s (B13) dor (C1) res along	Living Ro	S	econdar Wate Sedin Drift [ Drain Dry-S	y Indicators r Marks (B1 nent Depos Deposits (B age Patterr Season Wat	(2 or more required) (Riverine) (its (B2) (Riverine)
YDROLO Wetland H Primary Inc Surfac High W Satura Water Sedim Drift D	OGY Sydrology Indicators: dicators (any one indicate Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriver	ator is sufficient ine) nriverine)	Salt Crus Biotic Cru Aquatic I Hydroger Oxidized Presence	st (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe	s (B13) dor (C1) res along d Iron (C4	Living Ro	S C C C c c c c	econdar  Wate  Sedin  Drift I  Drain  Dry-S  Thin I  Crayf	y Indicators r Marks (B1 nent Depos Deposits (B age Patterr Season Wat Muck Surfa	(2 or more required) (Riverine) (its (B2) (Riverine) (R
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Project/Site: 2 Gates/Connection Slough	City/County: Bacon Isl	and, San Joaquin	Sampling Date: 9	9/9/08
Applicant/Owner: Contra Costa Water District	Tany I I	State: CA	Sampling Point:	24 A
nvestigator(s): T. Mahony, A. Richey	Section, Township, Rar	nge: T2N RI	HE sec 2	2
andform (hillslope, terrace, etc.): hummocky basin	Local relief (concave, o	convex, none):	t concave Slo	pe (%): 0-
	380 01 2.6"	Long: /210 310		m: NAD 83
7 0 1/104/10/14/104/10		NWI classific		TUID
Soil Map Unit Name: Itano silty clay, paritally drained, 0-2% slo		The second secon		
	y disturbed? Are " roblematic? (If ne	Normal Circumstances" peded, explain any answe	rs in Remarks.)	No C
Make all a series and the series (as		cations, transcots	, important ro	
Hydrophytic Vegetation Present? Yes No No	A boson answer			
Hydric Soil Present? Yes No	Is the Sampled	~	, n. C	
Wetland Hydrology Present? Yes No Remarks:	within a Wetlar	nd? Yes (V	No C	enio 3 milaita 1777
VEGETATION	led Matrix (F3)  Disk Surface (F6)  led Dark Surface (F7)	Carles (Carles	O RALI) (BA) deep (AN BARI) (DA) NOW DAY SURFACE	Spathled La constructor Depleted for
Absolute	Dominant Indicator	Dominance Test work	sheet:	Annes Brieff (**
Tree Stratum (Use scientific names.) % Cover		Number of Dominant S That Are OBL, FACW,		<b>€</b> (A)
2		Total Number of Domir Species Across All Stra		<b>★</b> (B)
4. Total Cover: %	6	Percent of Dominant S That Are OBL, FACW,		) % (A/B)
Sapling/Shrub Stratum		Prevalence Index wo		
1		Total % Cover of:	Multip	ly by:
2. 3.		OBL species	x 1 =	0
4.		FACW species	x 2 =	0
5.		FAC species	x 3 =	0
TORRING AND THE SECOND	/6	FACU species	x 4 =	0
Herb Stratum		UPL species	x 5 =	0
1. Vulpia bromoider 15	y FACW	Column Totals:	(A)	0 (B)
2. Cynodin dactylon 20	y FAC	Prevalence Inde	x = B/A =	
3. Convolvulus arvensis 53	NL	Hydrophytic Vegetati		
5. Polygonum arenastrum, 2	d box Redwisen in Plac	Dominance Test is		
(6°C) brasticus a seminaria	- Principal de manuelli	Prevalence Index		
6. 7.		Morphological Ada	aptations <sup>1</sup> (Provide	e supporting
8.	The second secon	data in Remark	ks or on a separat	e sheet)
TatalOana	%	Problematic Hydro	ophytic Vegetation	ı' (Explain)
Woody Vine Stratum	Concrete at a	Indicators of budging	oil and watland h	vdrology must
1. ) 64 C) sex Strengt veoletbylt bashow	The second of th	<sup>1</sup> Indicators of hydric s be present.	on and welland h	yarology must
2. edalless h. (anomed	stel photos, pravious insi	a best principles som	n mecana stati be	<u> </u>
Total Cover: 9 % Bare Ground in Herb Stratum 60% % Cover of Biotic	% Crust %	Hydrophytic Vegetation Present? Y	es V No (	
Remarks:	- · ·	15.35.37.74		

Depth	ription: (Describe to Matrix	ning	Re	dox Features				3	Altonno Diretto S. Alkilla
inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	State of the later	Remarks
0-16	10 yR 3/2	90	104R 4	6 10	C	M	silt	loam	_a_ventel/_T_(8509927
-A 780	scole	1. 18 1	anon Jawnes a	visarion Jose	a Isped -				Calo exercia agendini ench
to di kin	TO Y P Contract								
	Locality of the Control of the Contr	a Primario de la California	1			ostant-ra		Consessor of the late	Section of the following
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	/ Shamasi ni a	ewana you	tigiove pantari	n '' 9	itsmeld	ylianden		in Penedon	ing according
							name at the	a strength	PENDENNING DES PRINCIPAL
	oncentration, D=Dep							annel, M=Ma	
					andy Loam	, Clay Loa			Loam, Silt, Loamy Sand, San
_	ndicators: (Applicab	le to all LRR							matic Hydric Soils:
Histosol			Sandy Re	the state of the s				m Muck (A9)	
	pipedon (A2)			Matrix (S6)	ol (E1)			cm Muck (A10 duced Vertic	
Black Hi	n Sulfide (A4)			lucky Minera Bleyed Matrix				d Parent Mat	The same of the sa
_ , ,	d Layers (A5) ( <b>LRR (</b>	3)		Matrix (F3)				her (Explain i	
	ick (A9) (LRR D)	3)		ark Surface				(	
	d Below Dark Surfac	e (A11)	V	Dark Surfa					
Thick Da	ark Surface (A12)		Redox D	epressions	(F8)				
Sandy N	Mucky Mineral (S1)		Vernal P	ools (F9)			⁴Indicat	tors of hydrop	hytic vegetation and
Sandy C	Gleyed Matrix (S4)		Kirana tanii				wetl	land hydrolog	y must be present.
Restrictive	Layer (if present):								
Type:									
. )									
Depth (in	ches):	es menusci	3 95 1980 1991				Hydric	Soil Present	? Yes ( No (
Depth (in	ches):	Archall Surface Sp St. FACW o	Percent or 1				Hydric	Soil Present	? Yes No No
Depth (in	ches):	Johannent Sp St., FACW o Index work	Percent or 1				Hydric	Soil Present	? Yes No No
Depth (in Remarks:	PAIDS AND STANDARD ST	Cominant Space State Sta	outedS I to mediant iC end suff outelscorff				Hydric	Soil Present	? Yes No No
Depth (in Remarks:	GY	Consider Sp. 18 (Wilder Sp. 18 (Wild	Provider of Provid				ewa (Cawa		ny hayêz dinkêziya ku
Depth (in Remarks:  YDROLO Wetland Hy	GY drology Indicators:		Proceedings That Are Of Procedure OBL species				ewa (Cawa	econdary Indi	cators (2 or more required)
Depth (in Remarks: YDROLO Wetland Hy Primary Indi	GY drology Indicators: cators (any one indic		CONTRACTOR OF THE PROPERTY OF				ewa (Cawa	econdary Indi ] Water Mar	cators (2 or more required) ks (B1) ( <b>Riverine</b> )
Depth (in Remarks:  YDROLO Wetland Hy Primary Indi Surface	GY drology Indicators: cators (any one indic Water (A1)		Salt Cr	ust (B11)			ewa (Cawa	econdary Indi Water Mar Sediment I	icators (2 or more required) ks (B1) (Riverine) Deposits (B2) (Riverine)
Depth (in Remarks:  YDROLO  Wetland Hy  Primary Indi  Surface  High Wa	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2)		Salt Cr	Crust (B12)			ewa (Cawa	econdary Indi Water Mar Sediment I Drift Depos	cators (2 or more required) ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine)
Primary Indi Surface High Wa	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3)	cator is suffic	Salt Cr Biotic C	Crust (B12) C Invertebrat			ewa (Cawa	econdary Indi  Water Mar  Sediment I  Drift Depos	cators (2 or more required) ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10)
Primary Indi Surface High Wa	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2)	cator is suffic	Salt Cr Biotic C Aquatio	Crust (B12) Invertebrat Jen Sulfide C	Odor (C1)	31	Si	econdary Indi  Water Mar  Sediment I  Drift Depos  Drainage F  Dry-Seaso	cators (2 or more required) ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2)
Primary Indi Surface High Water M	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3)	cator is suffic	Salt Cr Biotic C Aquatic Hydrog Oxidize	Crust (B12) c Invertebrat gen Sulfide C ed Rhizosph	Odor (C1) eres along		Si	econdary Indi  Water Mar  Sediment I  Drift Depos  Drainage F  Dry-Seaso  Thin Muck	cators (2 or more required) ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) Surface (C7)
Primary Indi Surface High Water M Sedime Drift De	drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) flarks (B1) (Nonriver int Deposits (B2) (No posits (B3) (Nonriver	cator is suffici rine) enriverine)	Salt Cr Biotic C Aquatic Hydrog Oxidize Presen	Crust (B12) c Invertebrate gen Sulfide Ced Rhizosphe gee of Reduce	Odor (C1) eres along ed Iron (C	4)	ots (C3)	econdary Indi Water Mar Sediment I Drift Depos Drainage F Dry-Seaso Thin Muck Crayfish B	cators (2 or more required) ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) Surface (C7) urrows (C8)
Primary Indi Surface High Water M Sedime Drift De	GY drology Indicators: cators (any one indic Water (A1) ater Table (A2) on (A3) darks (B1) (Nonriver nt Deposits (B2) (No	cator is suffici rine) enriverine)	Salt Cr Biotic C Aquatic Hydrog Oxidize Presen Recent	Crust (B12) c Invertebrate gen Sulfide C ed Rhizosphete of Reduct t Iron Reduct	Odor (C1) eres along ed Iron (C tion in Plo	4)	ots (C3)	econdary Indi Water Mar Sediment I Drift Depos Drainage F Dry-Seaso Thin Muck Crayfish B	icators (2 or more required) ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) Surface (C7) urrows (C8) Visible on Aerial Imagery (C8)
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andform (hillslope, terrace, etc.): hummock L	es c? Yes co isturbed? Ilematic? Is the Sa	No (If noeded, explai	2 N R4E  2 N R4E  3 1 32  NWI classification: explain in Remarks umstances" present n any answers in Re	Slope  Slope  Datum:  Yes V  emarks.)	(%): <u>0 -</u> NAD 83
Are Vegetation Soil Or Hydrology naturally prob  SUMMARY OF FINDINGS - Attach site map showing s  Hydrophytic Vegetation Present?  Hydrology Present?  Soil Mahony, A. Richey Standard Science (hard)  Soil Map Unit Name: Itano silty clay, paritally drained, 0-2% slope and the silt typical for this time of year are Vegetation Soil Or Hydrology significantly did not be sig	cocal relief (cor 3 0 1 2 es ?? Yes (x) isturbed? lematic? sampling po	No (If no, Are "Normal Circu (If needed, explain oint locations, formal circular cir	NWI classification: explain in Remarks umstances" present n any answers in Re	Slope  Slope  Datum:  Yes V  emarks.)	(%): <u>0 -</u> NAD 83
Andform (hillslope, terrace, etc.):	es c? Yes co isturbed? Ilematic? Is the Sa	No (If no, Are "Normal Circu (If needed, explain coint locations, to the control of the control	NWI classification: explain in Remarks umstances" present n any answers in Re	Datum:  3.)  ? Yes  weemarks.)	NAD 83
Subregion (LRR): C - Mediterranean California  Lat: 25  Soil Map Unit Name: Itano silty clay, paritally drained, 0-2% slope are climatic / hydrologic conditions on the site typical for this time of year are Vegetation  Soil or Hydrology significantly dianed are Vegetation  Soil or Hydrology naturally prob  SUMMARY OF FINDINGS - Attach site map showing s  Hydrophytic Vegetation Present?  Yes No  Wetland Hydrology Present?  Yes No  No	es ?? Yes ?? isturbed? sampling po	No (If no, Are "Normal Circu (If needed, explain oint locations, f	NWI classification: explain in Remarks umstances" present n any answers in Re	? Yes 🗸	No C
Soil Map Unit Name: Itano silty clay, paritally drained, 0-2% sloped are climatic / hydrologic conditions on the site typical for this time of year Are Vegetation Soil or Hydrology significantly did are Vegetation Soil or Hydrology naturally probes SUMMARY OF FINDINGS - Attach site map showing summary Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present?	es ?? Yes ?? isturbed? sampling po	No (If no, Are "Normal Circu (If needed, explain oint locations, f	NWI classification: explain in Remarks umstances" present n any answers in Re	? Yes 🗸	No C
are climatic / hydrologic conditions on the site typical for this time of year are Vegetation Soil or Hydrology significantly diversely Vegetation Soil or Hydrology naturally probest SUMMARY OF FINDINGS - Attach site map showing support Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present?	r? Yes a sisturbed? sisturbed? sampling po	No (If no, Are "Normal Circu (If needed, explain point locations, for	explain in Remarks umstances" present n any answers in Ro	? Yes 🗹	
Are Vegetation Soil or Hydrology significantly diver Vegetation Soil or Hydrology naturally probest SUMMARY OF FINDINGS - Attach site map showing summary of the Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present?	isturbed? lematic? sampling po	Are "Normal Circu (If needed, explain point locations, to	umstances" present n any answers in Ro	? Yes 🗹	
Are Vegetation Soil or Hydrology naturally prob  SUMMARY OF FINDINGS - Attach site map showing s  Hydrophytic Vegetation Present? Yes No  Hydric Soil Present? Yes No  Wetland Hydrology Present? Yes No	sampling po	(If needed, explai	n any answers in Re	emarks.)	
BUMMARY OF FINDINGS - Attach site map showing s  Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No	sampling po	oint locations,			ures, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No	Is the Sa	Cellin Sandy Clay L	transects, impo	ortant feat	ures, etc.
Hydric Soil Present?  Wetland Hydrology Present?  Yes No		ampled Area			
Wetland Hydrology Present? Yes No (V		ampica Area			
(ASC 2012 1) 11 1 2 A C 2012 1 A	Within G	Wetland?	Yes ( N	lo (i/	
(STALISH STALES LOS ST		Wetland:	100 (		A STATE OF
/EGETATION  Absolute [	Dominant Indi	cator   Dominano	ce Test worksheet:	maG wiled t	eligett
		atus Number of	Dominant Species		(A)
2.		Total Num	ber of Dominant		
3.			cross All Strata:	2 1	(B)
4.		Percent of	Dominant Species		
Total Cover: %	631.		DBL, FACW, or FAC	0	% (A/B)
Sapling/Shrub Stratum		Prevalence	e Index workshee	t:	
1.			% Cover of:	Multiply I	oy:
2		OBL spec		x 1 =	0
4.		FACW sp		x 2 =	0
5. (strtcos (Pt) (1-0) cm salar second		FAC spec	ies	x 3 =	0
Total Cover: %	0.13	FACU spe	ecies	x 4 =	0
Herb Stratum		UPL spec	ies	x 5 =	0
1. Bromus diandrus 40	У	NZ Column T	otals:	(A)	0 (B)
2. Convolvalus arvensis 30	4	NL Prov	valence Index = B/A	\= densed	
3. Rashamis sativa 5	nest bookings	NL Hudrophy	tic Vegetation Ind		
4. Polygonum arenastrum 15	a re andreibed	NL	nance Test is >50%		
5.	edmontolic publi	ACTION AND ADDRESS OF THE PARTY	alence Index is ≤3.0		
6.			hological Adaptation		upporting
7		da	ta in Remarks or or	n a separate s	heet)
8. Total Cover: 0/.	1(89)	Probl	ematic Hydrophytic	Vegetation <sup>1</sup> (	Explain)
Woody Vine Stratum		Apply Glory			
1. O AR O SOMEON WOOD WITH BRIDERY			s of hydric soil and	wetland hydi	ology must
2. Idelaid i territorian	Augrend Con	be prese	more assett mate	er and Clausin	selfi corpes
Total Cover: %		Hydroph Vegetation			,
% Bare Ground in Herb Stratum // % % Cover of Biotic Co	rust %			No 🕼	a de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición dela comp
Remarks:					

Depth Matrix	Redox Features  Color (moist) % Type¹ Loc²	Texture <sup>3</sup> Remarks
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	0, 1
0-16 109R 3/2 100	none	silty loan
0 (48) 90083	etron xeernaa (avganaa) (aller kase L	
SOLITOR STATE	the second of the late of the second	
PREDER HUMBU 2 A C LA L		and the second s
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e estato in Manadas 1	IS tens of vaser?- Yes O - No C - (1196)	camane ringimogra schallans on the alia typical for an
Thorn Sheet Sheet Teansier	umić) tesmaki snA - Tradnotela vijnesilimpis	
	victoria trobase th Tottamoide o Vilonoian	The supremover of the first productions of
Type: C=Concentration, D=Depletion, RM=	Reduced Matrix. <sup>2</sup> Location: PL=Pore Lining, I	RC=Root Channel, M=Matrix.
Soil Textures: Clay, Silty Clay, Sandy Clay,		oam, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, Sand
Hydric Soil Indicators: (Applicable to all LRF		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 Dark Surface (F7)	
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	Redox Depressions (F8)	
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	⁴Indicators of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)		wetland hydrology must be present.
Restrictive Layer (if present):	William British	
Type:		
Type.		
Denth (inches):	<del> </del>	Hydric Soil Present? Yes No (7)
Depth (inches):	170 (170 (170 (170 (170 (170 (170 (170 (	Hydric Soil Present? Yes No
	compacted. No soils	
	compacted. No soils	
	compacted. No soils	
Remarks: Doils are not	compacted. No soils	
Remarks: Soils are not	compacted. No soils	
AYDROLOGY Wetland Hydrology Indicators:	Pruvskano Roma 1381 species	Secondary Indicators (2 or more required)
Remarks:  Soils are not  IYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffi	cient)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)
Remarks:  Souls are not  IYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffi	cient)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)
Remarks:  Souls are not  YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffi  Surface Water (A1)  High Water Table (A2)	cient)  Salt Crust (B11) Biotic Crust (B12)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)
Remarks:  Sorls are not  IYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffi  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)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)
Remarks:  Jouls are not  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffi  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)
Remarks:  Jouls are not  Wydrology Wetland Hydrology Indicators: Primary Indicators (any one indicator is suffi  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 Living R	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)  Thin Muck Surface (C7)
Remarks:  Jouls are not  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffi  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)	cient)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living R Presence of Reduced Iron (C4)	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)
Remarks:  Jouls are not  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffi  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)	cient)  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	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  s (C6)  Saturation Visible on Aerial Imagery (C9)
Remarks:  Jouls are met  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffi 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 (B	cient)  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	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  S (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Remarks:  Jouls are not  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffi  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 (B  Water-Stained Leaves (B9)	cient)  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	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  s (C6)  Saturation Visible on Aerial Imagery (CS)
Remarks:  Jouls are not  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffi 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 (B Water-Stained Leaves (B9)  Field Observations:	cient)  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 Other (Explain in Remarks)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  S (C6)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)
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Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffi 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 (B 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 Living R Presence of Reduced Iron (C4) Recent Iron Reduction in Plowed Soils Other (Explain in Remarks)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  S (C6)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)
Remarks:  Jouls are not  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffi  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 (B  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes C  Saturation Present?  Yes C	cient)  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 Other (Explain in Remarks)  No 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Remarks:  Jouls are not  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffi 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 (B Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Water Table Present? Yes C Saturation Present? Yes C (includes capillary fringe)	cient)  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 Other (Explain in Remarks)  No Depth (inches): No 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  s (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Remarks:  Jouls are not  IYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffi  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 (B  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes  Water Table Present? Yes  Saturation Present? Yes (Includes capillary fringe)	cient)  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 Other (Explain in Remarks)  No 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  s (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Remarks:  Jouls are not  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffi  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 (B  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes (  Water Table Present? Yes (  Saturation Present? Yes (  Saturation Present? Yes (  Includes capillary fringe)  Describe Recorded Data (stream gauge, m	cient)  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 Other (Explain in Remarks)  No Depth (inches): No 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  s (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes (Water Table Present? Yes (Saturation Present? Yes (includes capillary fringe)  Describe Recorded Data (stream gauge, m	Salt Crust (B11)	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  s (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes (Water Table Present? Yes (Saturation Present? Yes (includes capillary fringe)  Describe Recorded Data (stream gauge, m	cient)  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 Other (Explain in Remarks)  No Depth (inches): No 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  s (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient of the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes (Water Table Present? Yes (Saturation Present? Yes (Includes capillary fringe)  Describe Recorded Data (stream gauge, m	Salt Crust (B11)	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  s (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Primary Indicators (any one indicator is sufficient of the content	Salt Crust (B11)	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  s (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)

Sulvegion (LRR): C - Mediterranean California	Project/Site: 2 Gates/Connection Slough	City/0	County: Bacon Isla	and, San Joaquin	Sampling Date: 9	/9/08
Local relief (concave, convex, none)   Concave   Slope (%)   Country   Subregion (LRR); C - Mediterranean California   Lat   38	Applicant/Owner: Contra Costa Water District	Soll Pegyl		State: CA	Sampling Point:	25 A
Solit Map Unit Name: Itano sity clay, partially drained, 0-2% slopes  Are Vegetation   Soil   or Hydrology   significantly disturbed?	nvestigator(s): T. Mahony, A. Richey	Secti	on, Township, Ran	ge: 72N	RHE Sec ?	22
Soil Map Unit Name: Itano sitly clay, paritally drained, 0-2% slopes we climatic / hydrologic conditions on the site bytical for this time of year? Yes	Landform (hillslope, terrace, etc.): fasin	Loca	I relief (concave, c	onvex, none): com	care Slop	oe (%): 0 -
Vec detail   Note   N	Subregion (LRR): C - Mediterranean California	Lat: 38°	0'2.6"	Long: 121° 3	1' 31.5" Datur	n: NAD 83
Ver climatic / hydrologic conditions on the site typical for this time of year? Yes	Soil Map Unit Name: Itano silty clay, paritally drained, (	0-2% slopes		NWI classifi	ication:	
Soli			res No C	(If no, explain in I	Remarks.)	/
Summary OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes (V) No (Is the Sampled Area within a Wetland? Yes (No (Is the Sampled Area within a Wetland? Yes (No (Is the Sampled Area within a Wetland? Yes (No (Is the Sampled Area within a Wetland? Yes (No (Is the Sampled Area within a Wetland? Yes (No (Is the Sampled Area within a Wetland? Yes (No (Is the Sampled Area within a Wetland? Yes (No (Is the Sampled Area yes (Is the Sampled Area within a Wetland? Yes (Is the Sampled Area within a Wetland? Yes (Is the Sampled Area yes (Is t				Normal Circumstances"	present? Yes	No (
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present? Yes (No				eded, explain any answ	ers in Remarks.)	
Hydrophytic Vegetation Present? Yes ( No Welland Hydrology Multiply December 1)  Tee Stratum (Use scientific names.)  Absolute Species? Status  Absolute Species? Status  Dominance Test worksheet:  Number of Dominant Species That Ara OBL, FACW, or FAC: 16 (A)  Total Number of Dominant Species That Ara OBL, FACW, or FAC: 16 (A)  Percent of Dominant Species That Ara OBL, FACW, or FAC: 10 0 % (A)  Prevalence Index worksheet:  Total % Cover of:  Multiply by:  OBL species X 1 = 0  FACW species X 2 = 0  FACW species X 2 = 0  FACW species X 2 = 0  FACW species X 3 = 0  FACW species X 4 = 0  UPL species X 5 = 0  Column Totals: (A) 0 (0)  Welland Brownordle Stratum  1.						aturaa ata
Hydric Soil Present? Yes (No	SUMMARY OF FINDINGS - Attach site map s	nowing san	ipling point lo	cations, transects	s, important lea	itures, etc.
Is the Sampled Area   within a Wotland?   Yes   No   No   Within a Wotland?   Yes   Wotland   Yes   No   Within a Wotland?   Yes   No   Within a Wotland?   Yes   Wotland   Yes   Yes   Wotland   Yes   Wotland   Yes   Wotland   Yes   Wotland   Yes   Wotland   Yes   Yes   Wotland   Y	Hydrophytic Vegetation Present? Yes V No		ns2 mad i yslC yl			
Remarks:  VEGETATION  Absolute Species? Status   Dominant Indicator Species?   Number of Dominant Species That Are OBL, FACW, or FAC: 16 (A)   2.			Is the Sampled	Area	/	
Absolute   Dominant Indicator   Species?   Status   Status   Status   Species?   Status   Status   Species?   Status   Species?   Status   Status   Species   Statu	Wetland Hydrology Present? Yes No		within a Wetlan	d? Yes (2)	No C	
Absolute % Cover Species? Status    Number of Dominant Species	Remarks:	12. 2. 129	imaniki vibusi vi	Shoul Proj	(64) of	tairi topia im
Absolute % Cover Species? Status    Dominant Indicator % Species? Status						
Absolute % Cover Species? Status    Dominant Indicator % Species? Status						
Absolute % Cover Species? Status    Dominant Indicator % Cover Species? Status   Number of Dominant Species   That Are OBL, FACW, or FAC: 16 (A)	VECETATION	10.00	on the Publisher	iceC (IIA)	enalty 2 that I suches	
Number of Dominant Species   That Are OBL, FACW, or FAC: 16 (A)		Absolute Don	pinant Indicator	Dominance Test wer	rkehoot:	Annual Control of the
1. That Are OBL, FACW, or FAC: 16 (A) 2. Total Number of Dominant Species Across All Stratus 4. Percent of Dominant Species That Are OBL, FACW, or FAC: (0 0 % (AB Prevalence Index worksheet: Total & Cover of: Multiply by: Multiply by: Total & Cover of: Multiply by: Total & Cover of: Multiply by: Total & Cover of: Multiply by: Multiply by				1150		
3. Species Across All Strate: 18 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 10 0 % (AVB 1. Total Cover: % Total K Cover of: Multiply by:  3. OBL species	1. wellend by total by present.				= 1.0	(A)
Species Across All Strata: 16 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 10 % (A/B  Prevalence Index worksheet: That Are OBL, FACW, or FAC: 10 % (A/B  Total Cover: % Total % Cover of: Multiply by:  OBL species x1 = 0 FACW species x2 = 0 FACW species x2 = 0 FACW species x3 = 0 FACU species x4 = 0 UPL species x4 = 0 UPL species x5 = 0 Column Totals: (A) 0 (C) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is \$3.0' Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) Total Cover: % Woody Vine Stratum 1.  Total Cover: % Warth of year, dominant in Archivally problematics. Alrong thatch Augur of vulpia bromoidus & Hordeun marinum Currently, in drust part of year, dominant in Convolvulue awarusen. There has been a seasone.	2.			Total Number of Dom	inant	
Total Cover: %   Percent of Delli, FACW, or FAC: 10 % (A/B)	3.					(B)
Total Cover: %  That Are OBL, FACW, or FAC: 60 % (AB Prevalence Index worksheet: Total % Cover of: Multiply by:  OBL species x1 = 0 FACW species x2 = 0 FAC species x3 = 0 FACU species x4 = 0 UPL species x5 = 0 Column Totals: (A) 0 (COUNTY OF TACE IN TOTAL SPECIES IN TOTAL SPECI	4.			Percent of Dominant S	Species	
1.  2.  3.  4.  5.  Total Cover: %  Herb Stratum  1.  3.  Herb Stratum  1.  3.  Total Cover: %  Herb Stratum  1.  4.  Total Cover: %  Bare Ground in Herb Stratum  1.  2.  Total Cover: %  Bare Ground in Herb Stratum  1.  Bare G		: %				% (A/B)
2. 3. OBL species				Prevalence Index wo	orksheet:	
3. OBL species						y by:
4. FACW species				OBL species	x 1 =	0
FAC species				FACW species	x 2 =	0
Herb Stratum  1. Vulpia bromoidus 80 y FACW 2. Hordrum marinum 10 N1 3. Hydrophytic Vegetation Indicators: 5. Dominance Test is >50% 6. Prevalence Index is \$3.0¹ Prevalence I	5.			FAC species	x 3 =	0
1. Vulpia bromoides 80 y FACW 2. Hordeum marinum 10 NI 3. Prevalence Index = B/A = 4. Dominance Test is >50% 6. Prevalence Index is 3.01 Morphological Adaptations! (Provide supporting data in Remarks or on a separate sheet) 8. Problematic Hydrophytic Vegetation 1 (Explain)  Woody Vine Stratum 1. Indicators of hydric soil and wetland hydrology mus be present.  **Total Cover: %*  **Bare Ground in Herb Stratum 16 % Cover of Biotic Crust %*  **Problematic Hydrophytic Vegetation*  **Indicators of hydric soil and wetland hydrology mus be present.  **Hydrophytic Vegetation*  **Prevalence Index is 25.0%  **Prevalence Index is 3.01  **Indicators of hydric soil and wetland hydrology mus be present.  **Hydrophytic Vegetation*  **Vegetation Present? Yes No C  **Remarks: Vegetation community in naturally problematic. Altrong thatch  **Layer of vulpia bromoides & Hordeum marinum Currently, in advust part of year, dominant in Convolvulus arways There has been a seasons.  **Prevalence Index is 26.00  **Prevalence Index = B/A =  **Hydrophytic Vegetation Indicators:  **Dominance Test is >50%  Prevalence Index = B/A =  **Hydrophytic Vegetation Indicators:  **Dominance Test is >50%  Prevalence Index = B/A =  **Hydrophytic Vegetation Indicators:  **Dominance Test is >50%  Prevalence Index = B/A =  **Hydrophytic Vegetation Indicators:  **Dominance Test is >50%  Prevalence Index = B/A =  **Hydrophytic Vegetation Indicators:  **Dominance Test is >50%  Prevalence Index = B/A =  **Hydrophytic Vegetation Indicators:  **Dominance Test is >50%  Prevalence Index = B/A =  **Hydrophytic Vegetation Indicators:  **Dominance Test is >50%  Prevalence Index = B/A =  **Hydrophytic Vegetation Indicators:  **Dominance Test is >50%  Prevalence Index = B/A =  **Hydrophytic Vegetation Indicators:  **Dominance Test is >50%  **Prevalence Index = B/A =  **Hydrophytic Vegetation Indicators:  **Dominance Test is >50%  **Prevalence Index = B/A =  **Hydrophytic Vegetation Indicators is >50%  **Prevalence Index = B/A =  **Hydrophytic Vegetation Indicators is >5	Total Cover	: %	(1 pay tauau	FACU species	x 4 =	0
2. Hordeum marinum  10 N1 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. 'Indicators of hydric soil and wetland hydrology mus be present.  Total Cover: %  Bare Ground in Herb Stratum 16 % Cover of Biotic Crust %  Remarks: Vegetation community in naturally problematics. At rong thatch layer of vulpia bromoides & Hordeum marinum Currently, in alrust part of gear, dominant in Convolvulus arrunss. There has been a seasons			(27.83 (80.00 5)	UPL species	x 5 =	0
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)  Total Cover:  Woody Vine Stratum  1.  2.  Total Cover: %  Bare Ground in Herb Stratum /6 % % Cover of Biotic Crust %  Remarks: Vegetation community is naturally problematics. Along thatch  layer of vulpta bromoides & Hordeum marinum Currently, in aluest  part of year, dominant in Convolvulus arreness. There has been a seasons		80	y FACW	Column Totals:	(A)	0 (B)
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Dominance Test is >50% 6. 7. 8. Total Cover:  Woody Vine Stratum 1. 2. Total Cover:  Bare Ground in Herb Stratum  Nemarks:  Vegetation community in naturally problematics. Along thatch  Layer of vulpia bromoides & Hordeun marinum Currently, in drust  part of year, dominant in Convolvulus arounds. There has been a seasons.	40.7% 40.0% 40.0% 40.0% 40.0%		Name of Conference		The state of the s	
6.  7.  8.  Total Cover:  Woody Vine Stratum  1.  2.  Total Cover:  Bare Ground in Herb Stratum  Negrous of Number of Stratum  Negrous of Number	THE COLUMN THE RESERVE THE PROPERTY OF THE PRO	<u> </u>	onein bast onel les	No.		
7. Morphological Adaptations! (Provide supporting data in Remarks or on a separate sheet)  8. Problematic Hydrophytic Vegetation! (Explain)  Woody Vine Stratum  1. Indicators of hydric soil and wetland hydrology must be present.  We Bare Ground in Herb Stratum 16 % Cover of Biotic Crust % Present? Yes (No C)  Remarks: Vegetation community in naturally problematics. Along thatch layer of vulpia bromoides & Hordeum marinum Currently, in alrust part of year, dominant in Convolvulus arrunsis. There has been a seasons	/Wit leading to wall and	- CO'16	ninti ni ninima 1130	The state of the s	rei lakaŭ rei okaziri	
8	(ACI) that I lenting (ACI) ACI   III					
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De present.  Total Cover: % Hydrophytic Vegetation Present? Yes ( No C)  Remarks: Vegetation community is naturally problematic. Atrong thatch layer of vulpia bromoides & Hordeun marinum Currently, in drust part of year, dominant is Convolvulus arounds. There has been a seasons	Woody Vine Stratum	70		1 Indicators of budgio	acil and watland by	drology must
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	Remarks: // tatain community	mature	00	a to 16	H- 1-0	,
	Vegetavian community in	marina	my provi	conacco. All	ing thater	0
	layer of vulpia bromoides	& Horder	un marin	um Currin	thy, in old	ust
	bast of was dominant in Com	wolvulu	arvense	2 There has	been a s	leasond
US Army Corps of Engineers Community shift to uplano spp. Some Raphanus salva Arid West - Version 11-1-200						

community shift to uplano spp. Some Raphanus sahva Arid West - Version 11-1.

Depth Matrix	Redox Features		2
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Type: C=Concentration, D=Depletion, RM=	-Dodused Matrix 21 sections DI -Doro Lini	na DC-Doot Ch	annal M-Matrix
	=Reduced Matrix. <sup>2</sup> Location: PL=Pore Lini r, Loam, Sandy Clay Loam, Sandy Loam, Cla		
ydric Soil Indicators: (Applicable to all LR			ors for Problematic Hydric Soils:
Histosol (A1)	Sandy Redox (S5)		cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)		cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)		educed Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)		ed Parent Material (TF2)
Stratified Layers (A5) (LRR C)			· · · · · · · · · · · · · · · · · · ·
	Depleted Matrix (F3)		her (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)	41 1	
Sandy Mucky Mineral (S1)	Vernal Pools (F9)		tors of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)	90 stAter(T	wet	land hydrology must be present.
estrictive Layer (if present):			
Туре:	edmost is to 5		
Type:  Depth (inches):	Species Wambe	Hydric	Soil Present? Yes No No
Depth (inches):	School server	Hydric	Soil Present? Yes No No
Depth (inches):	dox	Hydric	Soil Present? Yes No No
Depth (inches):	dox	Hydric	Soil Present? Yes No No
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Depth (inches):  Remarks: Very strong M.  YDROLOGY	dox	:avo-3.6467	mails at a station
Depth (inches):  Very strong Management of the strong of t	a sector 700 constant of the c	:avo-3.6467	econdary Indicators (2 or more required)
Depth (inches):  Remarks:  Very strong Management of the strong of the s	icient)	:avo-3.6467	econdary Indicators (2 or more required)  Water Marks (B1) ( <b>Riverine</b> )
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Depth (inches):  Remarks:  Very strong Management of the second of the s	icient)	:avo-3.6467	econdary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)
Depth (inches):  Remarks:  Very 5 frong M  YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is suff  Surface Water (A1)  High Water Table (A2)	icient) Salt Crust (B11) Biotic Crust (B12)	:avo-3.6467	econdary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)
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Depth (inches):  Jemarks:  Way & Frong M.  Jemarks:  Jem	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livin  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S	g Roots (C3)	econdary 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 (C8)  Shallow Aquitard (D3)
Depth (inches):  Demarks:  Very & Frong Mark  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is suffer of the suffer of	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livin  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S	g Roots (C3)	econdary 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 (6)
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Depth (inches):  Jemarks:	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livin  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S  Other (Explain in Remarks)  No  Depth (inches):  Depth (inches):	g Roots (C3)	econdary 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 (C8)  Shallow Aquitard (D3)
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Popth (inches):  Remarks:  Well Strong Marks:  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffer of the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (Bartal Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes Caturation Present?	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livin  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):  Depth (inches):	g Roots (C3)	econdary 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 (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Poppth (inches):  Remarks:  Way S frong Managements:  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffer of the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livin  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):  Depth (inches):	g Roots (C3)	econdary 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 (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Popth (inches):  Remarks:  Well Strong Marks:  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffer of the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (Bartal Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes Caturation Present?	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livin  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):  Depth (inches):	g Roots (C3)	econdary 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 (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Poppth (inches):  Remarks:  Way S frong Managements:  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffer of the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livin  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):  Depth (inches):	g Roots (C3)	econdary 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 (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Poppth (inches):  Remarks:  Way S frong Managements:  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffer of the surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?  Water Table Present? Yes Control of the surface water Present?	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livin  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):  Depth (inches):	g Roots (C3)	econdary 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 (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Depth (inches):  Demarks:  Way & Frong M.  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is suffer in s	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livin  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed S  Other (Explain in Remarks)  No Depth (inches):  Depth (inches):  Depth (inches):	g Roots (C3)	econdary 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 (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)

roject/Site: 2 Gates/Connection Slough		C	city/County	Bacon Is	land, San Joaquin	Sampling Date:	9/9/08
applicant/Owner: Contra Costa Water Dist	trict				State: CA	Sampling Point:	
nvestigator(s): T. Mahony, A. Richey	30 mg	5	Section, To	wnship, Ra	nge: T2N	R4E sec	72
andform (hillslope, terrace, etc.):	- a-le		_ocal relie	(concave,	convex, none): con		ope (%): 0 -
Subregion (LRR): C - Mediterranean Califo			g 0	2.69			um: NAD 83
			0	6.0	NWI classific		THIE 03
foil Map Unit Name: Itano silty clay, parita				/ Na C			
are climatic / hydrologic conditions on the site							/
re Vegetation Soil or Hydrolog	· _	•	listurbed?		'Normal Circumstances"		No C
re Vegetation Soil or Hydrolog	gy natu	rally prob	olematic?	(If ne	eeded, explain any answe	ers in Remarks.)	
SUMMARY OF FINDINGS - Attach	site map sho	owing s	samplin	g point lo	ocations, transects	, important fe	eatures, etc.
Hydric Soil Present? Ye	es No (	0/	Is th	ie Sampled	l Area	Say Silay Clay, Si works (Applicable	
Wetland Hydrology Present? Ye Remarks:	es No (	V	with	in a Wetla	nd? Yes (	No O	
/EGETATION	estu [7]		(Eliteration)	Liebteld be Died Sode od Oest St	retgo0, FC kobust CT (19)	en på) fukin c 20 (Le <mark>s D) –</mark> om Der Belloct	Capating Cap
LOCIATION	Ah	solute	Dominant	Indicator	Dominance Test worl	ksheet:	2 heft wist V
Tree Stratum (Use scientific names.)			Species?	Status	Number of Dominant S		
1. Inserte addalan vpoledays to	ISHNA -				That Are OBL, FACW,		0 (A)
2					Total Number of Domin	nant	
3					Species Across All Stra	ata:	<b>(</b> B)
4	state Action 24				Percent of Dominant S	species	
Sapling/Shrub Stratum	Total Cover:	%			That Are OBL, FACW,	or FAC:	0 % (A/B)
1.					Prevalence Index wo	rksheet:	
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
Harb Stratum	Total Cover:	%			FACU species	x 4 =	0
Herb Stratum		95	Erst, hote	design plant	UPL species	x 5 =	0
2. Kaphanus sativa		95	<u> </u>	NL	Column Totals:	(A)	0 (B)
3.			<del>olo ao al</del>		Prevalence Index	x = B/A =	
4.	_	13/2/	torrel Stand		Hydrophytic Vegetati	ion Indicators:	
5.		od Bases			Dominance Test is	s >50%	
6.	-			THE PROPERTY OF	Prevalence Index	is ≤3.0 <sup>1</sup>	
7.					Morphological Ada	aptations <sup>1</sup> (Provid	
8				(Redfort) 6	Problematic Hydro	and the second	and had the conservation
Woody Vine Stratum	Total Cover:	%			Part Salah		
1.					<sup>1</sup> Indicators of hydric s	oil and wetland h	nydrology must
· · · · · · · · · · · · · · · · · · ·					be present.		
2.							
2	Total Cover:	%	31505310		Hydrophytic		
			rust	%	Vegetation	es No	
% Bare Ground in Herb Stratum	% Cover of	Biotic Cr			Vegetation Present? Ye		
% Bare Ground in Herb Stratum	% Cover of	Biotic Cr			Vegetation Present? Ye		

Sampling Point: 25 B

Depth Matrix Redox Features	damid pologono Demo de Mario
	Loc <sup>2</sup> Texture <sup>3</sup> Remarks
0-16 10 4R3/2 99 10 9R4/6 C1 C	on silty clay loan
1.6. (Art model transfer as maken several avancies halled favoids.	A nice reaction of security and
	2002 to the Francisco Visit of State of
nefficilities (ville ville vil	<u> 1977 - Harris Alancia, in the form of the Arthur State (1977). 1984</u>
d veer't Year Year and William Standard	ense avit on faculari. Size ets no sensitiones montrelle francis
THE RESIDENCE AND ADDRESS OF THE PARTY OF TH	
Castagada in concens von disaya, harasa 10 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
the state of the s	Landa anni mandadha dha a cheisticeacht a chean
	ning, RC=Root Channel, M=Matrix.
Soil Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loam, Cl	
ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)  Sandy Redox (S5)	Indicators for Problematic Hydric Soils:
Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6)	1 cm Muck (A9) (LRR C)
Black Histic (A3)  Loamy Mucky Mineral (F1)	2 cm Muck (A10) (LRR B) Reduced Vertic (F18)
	Reduced Vertic (F18)  Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)  1 cm Muck (A9) (LRR D)  Depleted Matrix (F3)  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)  Sandy Mucky Mineral (S1)  Vernal Pools (F9)	⁴Indicators of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)	wetland hydrology must be present.
estrictive Layer (if present):	wetland flydrology flidst be present.
Type:	
Depth (inches):	Hydric Soil Present? Yes No
lemarks:	Hydric Soil Present? Yes No
YDROLOGY	general sandaged
YDROLOGY	Secondary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators:	general sandaged
YDROLOGY Vetland Hydrology Indicators:	Secondary Indicators (2 or more required)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (any one indicator is sufficient)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)
VDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  Salt Crust (B11)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)
Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Saturation (A3)  Saturation (A3)  Saturation (A3)  Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)
Primary Indicators (any one indicator is sufficient)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  SYMPOOD Note Table (A2)  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)
Vetland 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)  Oxidized Rhizospheres along Livi	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)  ring Roots (C3)  Thin Muck Surface (C7)
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)  Presence of Reduced Iron (C4)	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)
Vetland Hydrology Indicators:  Irimary 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 (B11)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livi  Presence of Reduced Iron (C4)  Surface Soil Cracks (B6)  Recent Iron Reduction in Plowed	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Soils (C6)  Saturation Visible on Aerial Imagery (C9)
Verland Hydrology Indicators:  Inimary 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)  Recent Iron Reduction in Plowed Inundation Visible on Aerial Imagery (B7)	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Vetland Hydrology Indicators:  Irimary 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 Marks (B9)  Water-Stained Leaves (B9)	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Soils (C6)  Saturation Visible on Aerial Imagery (C9)
Vetland Hydrology Indicators:  Irimary 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)  Vetland Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livi  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed  Other (Explain in Remarks)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Vetland Hydrology Indicators:  Immary 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)  Sufface Water (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livi  Drift Deposits (B3) (Nonriverine)  Presence of Reduced Iron (C4)  Surface Soil Cracks (B6)  Recent Iron Reduction in Plowed  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  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 Captal Marks (B9)  Water-Stained Leaves (B9)  Surface Water Present?  Yes  No  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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
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 Table Present?  Water Table Present?  Yes No 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Soils (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Process  Procedure (A1)  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)  Water Stained Leaves (B9)  Presence of Reduction in Remarks)  Water Table Present?  Yes No Depth (inches):  Saturation Present?  Yes O No Depth (inches):  Saturation Present?	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Soils (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Process  Procedure (A1)  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)  Water Stained Leaves (B9)  Presence of Reduction in Remarks)  Water Table Present?  Yes No Depth (inches):  Saturation Present?  Yes O No Depth (inches):  Saturation Present?	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Soils (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
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 Table Present?  Yes No Depth (inches):  Saturation Present?  Yes 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Soils (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Pried Observations:  Order (Baturation Visible on Aerial Imagery (B7)  Water Table Present?  Water Marks (B1)  Water Marks (B1	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Soils (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Primary Indicators (any one indicator is sufficient)  Surface Water (A1) Salt Crust (B11) 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 Table Present?  Ves No Depth (inches): Water Table Present?  Ves No 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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Soils (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Vetland Hydrology Indicators:  Irimary 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):  Surface Saturation Present?  Yes No Depth (inches):  Surface Scribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections)	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Soils (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
### Processory of Processory o	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Soils (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No

Project/Site: 2 Gates/Connection Slough	City/County: Bacon Is	land, San Joaquin	Sampling Date: 9/9/08	MageG
Applicant/Owner: Contra Costa Water District	Tagette Life	State: CA	Sampling Point: 26	Set sU(te)
Investigator(s): T. Mahony, A. Richey	Section, Township, Ra	nge: T2N R	4E Sec 22	
Landform (hillslope, terrace, etc.):	Local relief (concave,	convex, none): h o	me Slope (%):	0-2
Subregion (LRR): C - Mediterranean California Lat:	380 0 6.36"	Long: 121° 31'	31" Datum: NAI	0 83
Soil Map Unit Name: Itano silty clay, paritally drained, 0-2% s	70	NWI classi	fication:	ear grant and
Are climatic / hydrologic conditions on the site typical for this time of		(If no, explain in	Remarks.)	gas article .
The second secon		"Normal Circumstances		0
, no regenance.		eeded, explain any ansv		
, and regetamen				
SUMMARY OF FINDINGS - Attach site map showing	ng sampling point l	ocations, transect	s, important features	, etc.
Hydrophytic Vegetation Present? Yes No (7)	/ 1000 1			
Hydric Soil Present? Yes No	Is the Sample		/ (1981)	Held I
Wetland Hydrology Present? Yes No	within a Wetla		No 🗸	
Ground squarel colony.	ultural ful	d, nearby	an active	678 I
ground squirel colony.	. (ERI) aruşar er Liziri, ere te ek ink O	suboff Fig.	(1.5 % J.) (0.4) South (1.5 % D)	101
VEGETATION		obsided Deplete	September 2 and Surface of the Surfa	
Absolu		Dominance Test wo		2003 Feb
Tree Stratum (Use scientific names.) % Cov	er Species? Status	Number of Dominant That Are OBL, FACV		(A)
2.		-		
3.		<ul> <li>Total Number of Don Species Across All S</li> </ul>		(B)
4. Syoth Sinason has maken			4	as some
Total Cover:	%	<ul> <li>Percent of Dominant</li> <li>That Are OBL, FACV</li> </ul>		(A/B)
Sapling/Shrub Stratum		Prevalence Index w		
1		Total % Cover o		
3.		OBL species	x 1 = 0	- NU
4. (1991), 1991 (1991) (1991) (1991)		FACW species	x 2 = 0	
5. (entrevish) (18) extent version		FAC species	x 3 = 0	
Total Cover:	%	FACU species	x 4 = 0	
Herb Stratum	(5, (4), 5013)	UPL species	x 5 = 0	
1. Bromus diandrus 5		Column Totals:	(A) 0	(B)
2. Convolvulus arrensis 2		Prevalence Ind	ex = B/A =	
3. Hirschfildia incoina 152		Hydrophytic Vegeta		44-11
5. Raphanus sativa 5	NL	Dominance Test		
6.	- Industry Control	Prevalence Inde	x is ≤3.0 <sup>1</sup>	
7.		Morphological A	daptations1 (Provide suppor	ting
8.	- A Provincial	The second secon	arks or on a separate sheet)	M ensite
Total Cover:	%	Problematic Hyd	rophytic Vegetation <sup>1</sup> (Explain	III)
Woody Vine Stratum	TO SECURE	1 Indicators of hydric	soil and wetland hydrology	must
1.	The second secon	be present.	Son and Wenand Hydrology	muət
2. Total Cover:	0/	Hydrophytic	many transfer and the second	
Total Cover:	%	Vegetation	/	
% Bare Ground in Herb Stratum % Cover of Biot	tic Crust	Present?	Yes O No C	
Remarks:	the factors of			

Profile Desc Depth (inches)	Matrix Color (moist)	0/	0.1.	Redox	Features					
0 (/	( a 4 ) 2/-	%	Color (mo	ist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture <sup>3</sup>	and general sections	Remarks
0-18	109K 3/Z	99	10 YR	4/6	/	C	m	sulty	clan le	am
3 (35)			on xsvric			Ligopal		0	0	to sourced auditions
			e-I was t	2111	Ala	35.5	-		2011	are a construction to the
			Office of			- 10	1000	2/4/15	ARIS, I BROKE	15 13 15 15 15 15 15 15 15 15 15 15 15 15 15
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	r sheme	an cisio s o	n (i) =	106	. NO 6	of Finer	to send abili			lianto ripatriber i ori.
1000	The said Sharpann					one with with	madinels	1 1 90	estanticilet in	The state of the state of
								1		
			201803 11903	-	-	BEAUTHOUGH.	\$1161 T.716564	J- 749	Koto Arayer Rd	
Type: C=Co	ncentration, D=Deple	otion DM D-			in neith	10152	uwani: n	am sing	dostia - Bi	0640049 30 584
Soil Textures	: Clay, Silty Clay, Sa	andy Clay Lo	am Sand	trix. 'L	_ocation:	: PL=Pore	Lining, RC=	Root Char	nnel, M=Matrix	
lydric Soil Inc	dicators: (Applicable	to all I PPo	unless of	y Clay Lo	oam, Sar	ndy Loam,	Clay Loam	, Silty Clay	Loam, Silt Loa	ım, Silt, Loamy Sand, S
Histosol (	A1)	to all LKKS, t								tic Hydric Soils:
	pedon (A2)			y Redox ( ped Matri					Muck (A9) (LF	
Black His				y Mucky		(E1)			Muck (A10) (L	
	Sulfide (A4)		Loam	y Gleyed	Motrix	(F1)			uced Vertic (F1	
Stratified	Layers (A5) (LRR C)		Denle	eted Matr	iv (E2)	(F2)			Parent Materia	
1 cm Muc	k (A9) (LRR D)			x Dark S		-G)		Othe	r (Explain in Re	emarks)
Depleted	Below Dark Surface	(A11)		eted Dark						
Thick Dar	k Surface (A12)			x Depres						
Sandy Mu	cky Mineral (S1)	frow Isol so.		al Pools (		0)		4Indicator	o of budses to the	A STATE OF THE STA
	eyed Matrix (S4)	S Manimoth N	double		. 0)			wotlon	s of riyarophyti	c vegetation and
estrictive La	yer (if present):	Name of the last	(43/2) 15-1					Wellall	u nyurology mi	ust be present.
T							A STATE OF THE PARTY OF THE PAR			
Type:										
7333	es):	imoG to redn	usid listo T -spenge							
Depth (inchemarks:	es):	nber of Dumil of Dominant S St. FACW.	usid lictoT -ISCrodes -Inscrip- -Inscriptor -Inscriptor					Hydric So	il Present?	Yes No (V
Depth (inchemarks:	Y ology Indicators:	nber of Domling Commence Street FAGW. FAGW.	Total No. Special No. That Are: That					Constant		20,953E 0495E
Depth (inchemarks:  DROLOG  Vetland Hydrimary Indicat	Y ology Indicators: ors (any one indicato	or is sufficient)	mA sent					Seco	indary Indicato	rs (2 or more required)
Depth (inchemarks:  DROLOG  etland Hydr  rimary Indicat  Surface W	Y ology Indicators: ors (any one indicatorater (A1)	or is sufficient	The state of the s	Crust (B1	11)			Seco	indary Indicator Water Marks (E	rs (2 or more required) 31) (Riverine)
Depth (inchemarks:  "DROLOG etland Hydreimary Indicate  Surface W High Wate	Y clogy Indicators: cors (any one indicatorater (A1) r Table (A2)	or is sufficient,	Salt	Crust (B1	5			Seco	indary Indicato Water Marks (E Sediment Depo	rs (2 or more required) B1) (Riverine) ssits (B2) (Riverine)
Depth (inchemarks:  DROLOG etland Hydrimary Indicat  Surface W	Y clogy Indicators: cors (any one indicatorater (A1) r Table (A2)	or is sufficient	Salt (	Crust (E	312)	(B13)		Seco	ondary Indicato Water Marks (E Sediment Depo Drift Deposits (I	rs (2 or more required) B1) (Riverine) ssits (B2) (Riverine) B3) (Riverine)
Depth (inchemarks:  DROLOG  Tetland Hydren  Timary Indicate  Surface W  High Wate  Saturation	Y clogy Indicators: cors (any one indicatorater (A1) r Table (A2)	9800	Salt ( Biotic	Crust (E tic Invert	312) tebrates			Seco - V	ondary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter	rs (2 or more required) B1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10)
Depth (inchemarks:  DROLOG  Setland Hydremary Indicate  Surface W  High Wate  Saturation  Water Mar	Y clogy Indicators: cors (any one indicatorater (A1) r Table (A2) (A3)	9809	Salt ( Biotic Aqua Hydre	Crust (E tic Invert ogen Sul	312) tebrates fide Odo	or (C1)		Seco	ondary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa	rs (2 or more required) B1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2)
Depth (inchemarks:  DROLOG  etland Hydr imary Indicat  Surface W  High Wate  Saturation  Water Mar  Sediment	Y cology Indicators: cors (any one indicate ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine	e) verine)	Salt ( Biotic Aqua Hydre Oxidi	c Crust (E atic Invert ogen Sul zed Rhiz	312) tebrates fide Odo cosphere	r (C1) s along Li	ving Roots (	Seco 	ondary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa	rs (2 or more required) 31) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7)
Depth (inchemarks:  "DROLOG"  Tetland Hydromary Indicate Warface Warden Water Mare Saturation Water Mare Sediment In Drift Deposit Depth (inchemarks)	yology Indicators: ors (any one indicatorater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonrisits (B3) (Nonriverine Columns)	e) verine)	Salt ( Biotic Aqua Hydre Oxidi Prese	c Crust (E atic Invert ogen Sul- zed Rhiz ence of R	B12) tebrates fide Odo tosphere Reduced	or (C1) s along Li Iron (C4)	ving Roots (	Seco	ondary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa Crayfish Burrow	rs (2 or more required) 31) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8)
Depth (inchemarks:  DROLOG  Tetland Hydremary Indicated Water Marent Mar	y cology Indicators: cors (any one indicatorater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine ists (B3) (Nonriverine id) (Cracks (B6)	e) verine) e)	Salt ( Biotic Aqua Hydro Oxidi Prese	c Crust (E tic Invert ogen Sul- zed Rhiz ence of R nt Iron R	and the states of the states o	or (C1) s along Liv Iron (C4) n in Plowed		Seco   V	ondary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib	rs (2 or more required) B1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) sle on Aerial Imagery (C
Depth (inchemarks:  "DROLOG"  Tetland Hydred imary Indicated in the second in the seco	y cology Indicators: cors (any one indicators) (ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine) (Deposits (B2) (Nonriverine) (B3) (Nonriverine) (B4) bits (B3) (Nonriverine) (B6) Visible on Aerial Ima	e) verine) e)	Salt ( Biotic Aqua Hydro Oxidi Prese	c Crust (E atic Invert ogen Sul- zed Rhiz ence of R	and the states of the states o	or (C1) s along Liv Iron (C4) n in Plowed	ving Roots (	Seco   V	ondary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar	rs (2 or more required) B1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ele on Aerial Imagery (Cdd (D3)
Depth (inchemarks:  "DROLOG"  Tetland Hydred Saturation Water Mar Sediment I Drift Depose Surface So Inundation Water-Stail	y cology Indicators: cors (any one indicators ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine il Cracks (B6) Visible on Aerial Imaned Leaves (B9)	e) verine) e)	Salt ( Biotic Aqua Hydro Oxidi Prese	c Crust (E tic Invert ogen Sul- zed Rhiz ence of R nt Iron R	and the states of the states o	or (C1) s along Liv Iron (C4) n in Plowed	ving Roots (	Seco   V	ondary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib	rs (2 or more required) B1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ele on Aerial Imagery (Cdd (D3)
Depth (inchemarks:  "DROLOG"  Tetland Hydred Saturation Water Mar Sediment In Drift Deposed Surface Solution Water-Stain Water-Stain Water-Stain Water-Stain	Y cology Indicators: cors (any one indicators) cater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine cits (B3) (Nonriverine cits (B3) (Nonriverine cits (B6) Visible on Aerial Image med Leaves (B9) tions:	e) verine) e) agery (B7)	Salt ( Biotic Aqua Hydre Oxidi Prese Rece Other	c Crust (E tic Invert ogen Sul- zed Rhiz zence of R nt Iron R r (Explain	B12) tebrates fide Odo cosphere Reduced teduction in Rem	or (C1) s along Liv Iron (C4) n in Plowed	ving Roots (	Seco   V	ondary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar	rs (2 or more required) B1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ele on Aerial Imagery (Cdd (D3)
Depth (inchemarks:  "DROLOG"  Tetland Hydromary Indicated Saturation Water Mare Sediment In Drift Deposed Surface Solinundation Water-Stail Staturation Water-Stail Staturation Water-Stail Staturation Water-Stail Staturation	yology Indicators: cors (any one indicatorater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine Bil Cracks (B6) Visible on Aerial Imaned Leaves (B9) tions: Present? Yes	e) verine) e) agery (B7)	Salt (  Biotic  Aqua  Hydre  Oxidi  Prese  Rece  Other	c Crust (E titic Invert ogen Sul' zed Rhiz ence of R nt Iron R r (Explain	B12) debrates fide Odo cosphere Reduced deduction in in Rem	or (C1) s along Liv Iron (C4) n in Plowed	ving Roots (	Seco   V	ondary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar	rs (2 or more required) B1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ele on Aerial Imagery (Cdd (D3)
Depth (incremarks:  "DROLOG" Tetland Hydromary Indicated Saturation Water Mare Sediment In	y cology Indicators: cors (any one indicators ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine iii Cracks (B6) Visible on Aerial Imaned Leaves (B9) tions: Present? Yes esent? Yes	verine) e) agery (B7)	Salt (  Biotic  Aqua  Hydre  Oxidi  Prese  Rece  Other	c Crust (E tic Invert ogen Sul- zed Rhiz zence of R nt Iron R r (Explain	B12) debrates fide Odo cosphere Reduced deduction in in Rem	or (C1) s along Liv Iron (C4) n in Plowed	ving Roots (	Seco   V	ondary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar	rs (2 or more required) B1) (Riverine) sits (B2) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ele on Aerial Imagery (Cdd (D3)
Depth (incremarks:  "DROLOG"  Tetland Hydromary Indicated Saturation Water Mare Sediment In Drift Deposed Surface Solinundation Water-Stail Staturation Water-Stail Staturation Water-Stail Staturation Water-Stail Staturation Water-Stail Staturation Water-Stail Staturation Pressibility Pressi	Y cology Indicators: cors (any one indicators) ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine sits (B3) (Nonriverine sits (B3) (Nonriverine sit (B4) Visible on Aerial Ima ned Leaves (B9) stions: Present? Yes esent? Yes ent? Yes	e) verine) e) agery (B7)	Salt of Biotic Aqua Hydro Oxidi Prese Cother	c Crust (E titic Invert ogen Sul' zed Rhiz ence of R nt Iron R r (Explain	B12) lebrates fide Odo cosphere Reduced leduction in Rem s):	or (C1) s along Liv Iron (C4) n in Plowed	ving Roots (d Soils (C6)	Seco -	andary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	rs (2 or more required) B1) (Riverine) B3) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (Cdd (D3) st (D5)
Depth (inchemarks:  DROLOG  Vetland Hydromary Indicate Saturation Water Mare Sediment In Drift Deposed Surface Societed Observator Sediment In Company Indicated Control Water-Stain Sediment In Company Indicated Control Water Stain Sediment In Company Indicated Control Water Sediment In Company Indicated Control Water Sediment In Company In Company Indicated Control Water Sediment In Company In Com	y cology Indicators: cors (any one indicators) cater (A1) r Table (A2) (A3) ks (B1) (Nonriverine coeposits (B2) (Nonriverine coeposits (B3) (Nonriverine coeposits (B6) Visible on Aerial Image coeposits (B9) coeposits (B6) Visible on Aerial Image coeposits (B9) coeposits (B6) Visible on Aerial Image coeposits (B9) coeposits (B9) coeposits (B6) Visible on Aerial Image coeposits (B9) coeposits (B	e) verine) e) agery (B7)  No (	Salt (  Biotic  Aqua  Hydre  Oxidi  Prese  Rece  Other  Dept  Dept	c Crust (E titic Invert ogen Sul- zed Rhiz ence of R nt Iron R r (Explain th (inches th (inches	al 2) debrates fide Odo cosphere Reduced deduction in Rem ss): ss):	or (C1) s along Li Iron (C4) in Plowed arks)	ving Roots (d Soils (C6)	Seco   V   S   C   S   S   S   F	ondary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar	rs (2 or more required) B1) (Riverine) B3) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (Cdd (D3) st (D5)
Depth (inchemarks:  DROLOG  Vetland Hydromary Indicate Saturation Water Mare Sediment In Drift Deposed Surface Societed Observator Sediment In Company Indicated Control Water-Stain Sediment In Company Indicated Control Water Stain Sediment In Company Indicated Control Water Sediment In Company Indicated Control Water Sediment In Company In Company Indicated Control Water Sediment In Company In Com	Y cology Indicators: cors (any one indicators) ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine sits (B3) (Nonriverine sits (B3) (Nonriverine sit (B4) Visible on Aerial Ima ned Leaves (B9) stions: Present? Yes esent? Yes ent? Yes	e) verine) e) agery (B7)  No (	Salt (  Biotic  Aqua  Hydre  Oxidi  Prese  Rece  Other  Dept  Dept	c Crust (E titic Invert ogen Sul- zed Rhiz ence of R nt Iron R r (Explain th (inches th (inches	al 2) debrates fide Odo cosphere Reduced deduction in Rem ss): ss):	or (C1) s along Li Iron (C4) in Plowed arks)	ving Roots (d Soils (C6)	Seco   V   S   C   S   S   S   F	andary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	rs (2 or more required) B1) (Riverine) B3) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (Cdd (D3) st (D5)
Depth (inchemarks:  "DROLOG"  Tetland Hydremary Indicated Saturation  Water Mare Sediment In Drift Deposed Sourface Sediment In Drift Deposed Inundation  Water-Stain State Water State Table Protection Presedudes capillates Secribe Records	y cology Indicators: cors (any one indicators) cater (A1) r Table (A2) (A3) ks (B1) (Nonriverine coeposits (B2) (Nonriverine coeposits (B3) (Nonriverine coeposits (B6) Visible on Aerial Image coeposits (B9) coeposits (B6) Visible on Aerial Image coeposits (B9) coeposits (B6) Visible on Aerial Image coeposits (B9) coeposits (B9) coeposits (B6) Visible on Aerial Image coeposits (B9) coeposits (B	e) verine) e) agery (B7)  No (	Salt (  Biotic  Aqua  Hydre  Oxidi  Prese  Rece  Other  Dept  Dept	c Crust (E titic Invert ogen Sul- zed Rhiz ence of R nt Iron R r (Explain th (inches th (inches	al 2) debrates fide Odo cosphere Reduced deduction in Rem ss): ss):	or (C1) s along Li Iron (C4) in Plowed arks)	ving Roots (d Soils (C6)	Seco   V   S   C   S   S   S   F	andary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	rs (2 or more required) B1) (Riverine) B3) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (Cdd (D3) st (D5)
Depth (inchemarks:  "DROLOG" Tetland Hydremary Indicated Section Water Mare Section Section Water-State Indoorse Water Table Protection Prescuedes capillates Secribe Recommarks:	y cology Indicators: cors (any one indicators) cater (A1) r Table (A2) (A3) ks (B1) (Nonriverine cologosits (B2) (Nonriverine cologosits (B3) (Nonriverine cologosits (B6) Visible on Aerial Image cologosits (B9) cologosits	e) verine) e) agery (B7)  No () No () No () auge, monitoria	Salt (  Biotic  Aqua  Hydre  Oxidi  Prese  Rece  Other  Dept  Dept	c Crust (E titic Invert ogen Sul- zed Rhiz ence of R nt Iron R r (Explain th (inches th (inches erial phot	and and a second	or (C1) s along Li Iron (C4) in Plowed arks)	wing Roots (d Soils (C6)  Wetland ctions), if av	Seco   V   S   C   S   S   S   F	andary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	rs (2 or more required) B1) (Riverine) B3) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (Cdd (D3) st (D5)
Depth (inchemarks:  "DROLOG" Tetland Hydremary Indicated Section Water Mare Section Section Water-State Indoorse Water Table Protection Prescuedes capillates Secribe Recommarks:	y cology Indicators: cors (any one indicators) cater (A1) r Table (A2) (A3) ks (B1) (Nonriverine cologosits (B2) (Nonriverine cologosits (B3) (Nonriverine cologosits (B6) Visible on Aerial Image cologosits (B9) cologosits	e) verine) e) agery (B7)  No () No () No () auge, monitoria	Salt (  Biotic  Aqua  Hydre  Oxidi  Prese  Rece  Other  Dept  Dept	c Crust (E titic Invert ogen Sul- zed Rhiz ence of R nt Iron R r (Explain th (inches th (inches erial phot	and and a second	or (C1) s along Li Iron (C4) in Plowed arks)	wing Roots (d Soils (C6)  Wetland ctions), if av	Seco   V   S   C   S   S   S   F	andary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	rs (2 or more required) B1) (Riverine) B3) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (Cdd (D3) st (D5)
Depth (inchemarks:  "DROLOG" Tetland Hydremary Indicated Section Water Mare Section Section Water-State Indoorse Water Table Protection Prescuedes capillates Secribe Recommarks:	y cology Indicators: cors (any one indicators) cater (A1) r Table (A2) (A3) ks (B1) (Nonriverine coeposits (B2) (Nonriverine coeposits (B3) (Nonriverine coeposits (B6) Visible on Aerial Image coeposits (B9) coeposits (B6) Visible on Aerial Image coeposits (B9) coeposits (B6) Visible on Aerial Image coeposits (B9) coeposits (B9) coeposits (B6) Visible on Aerial Image coeposits (B9) coeposits (B	e) verine) e) agery (B7)  No (No (No (No (No (No (No (No (No (No (	Salt (  Biotic  Aqua  Hydre  Oxidi  Prese  Rece  Other  Dept  Dept	c Crust (E titic Invert ogen Sul- zed Rhiz ence of R nt Iron R r (Explain th (inches th (inches erial phot	and and a second	or (C1) s along Li Iron (C4) in Plowed arks)	wing Roots (d Soils (C6)  Wetland ctions), if av	Seco   V   S   C   S   S   S   F	andary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	rs (2 or more required) B1) (Riverine) B3) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (Cdd (D3) st (D5)
Depth (inchemarks:  "DROLOG" Tetland Hydremary Indicated Section Water Mare Section Section Water-State Indoorse Water Table Protection Prescuedes capillates Secribe Recommarks:	y cology Indicators: cors (any one indicators) cater (A1) r Table (A2) (A3) ks (B1) (Nonriverine cologosits (B2) (Nonriverine cologosits (B3) (Nonriverine cologosits (B6) Visible on Aerial Image cologosits (B9) cologosits	e) verine) e) agery (B7)  No (No (No (No (No (No (No (No (No (No (	Salt (  Biotic  Aqua  Hydre  Oxidi  Prese  Rece  Other  Dept  Dept	c Crust (E titic Invert ogen Sul- zed Rhiz ence of R nt Iron R r (Explain th (inches th (inches erial phot	and and a second	or (C1) s along Li Iron (C4) in Plowed arks)	wing Roots (d Soils (C6)  Wetland ctions), if av	Seco   V   S   C   S   S   S   F	andary Indicator Water Marks (E Sediment Depo Drift Deposits (I Drainage Patter Dry-Season Wa Thin Muck Surfa Crayfish Burrow Saturation Visib Shallow Aquitar FAC-Neutral Te	rs (2 or more required) B1) (Riverine) B3) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) ace (C7) vs (C8) ble on Aerial Imagery (Cdd (D3) st (D5)

Project/Site: 2 Gates/Connection Slough	City/County: Bacon Is	land, San Joaquin	Sampling Date: 9/9/08
Applicant/Owner: Contra Costa Water District	222	State: CA	Sampling Point: 27 A
Investigator(s): T. Mahony, A. Richey	Section, Township, Ra	nge: T2N R	4E sec 22
Landform (hillslope, terrace, etc.):	Local relief (concave,	convex, none):	
	380019.8"	Long: /2/ 53/	
Soil Map Unit Name: Itano silty clay, paritally drained, 0-2% slo		NWI classifi	
Are climatic / hydrologic conditions on the site typical for this time of ye			
		'Normal Circumstances"	
	and the second second second	eded, explain any answe	
SUMMARY OF FINDINGS - Attach site map showing	sampling point ic	cations, transects	, important leatures, etc.
Hydrophytic Vegetation Present? Yes No	Asa i y asa tesat y asa		Sed Testures Cass Star Cay to
Hydric Soil Present? Yes Vo No	Is the Sampled	Area	akingen (A.A.), 2220/28.8000 (H. o. ) https://
Wetland Hydrology Present? Yes No	within a Wetlar	Manual Control of the	No C
Remarks: Vegetation has been remove 5 feet in WIDTH.	ed from d	itch. Ditc	h owerages
5 feet in WIDTH.			TO RELLY (EA) energy, installed 2 - 1
VEGETATION	A Ded. Sudage p.Vi.	telosci (***)	Capternal Service Country
Absolute	Dominant Indicator	Dominance Test wor	ksheet:
Tree Stratum (Use scientific names.) % Cover	Species? Status	Number of Dominant S	
2.		That Are OBL, FACW,	or FAC: 25 (A)
3.		Total Number of Domi Species Across All Str	
4.			
Total Cover: %	5	<ul> <li>Percent of Dominant S</li> <li>That Are OBL, FACW,</li> </ul>	
Sapling/Shrub Stratum  1.		Prevalence Index wo	
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	201	UPL species	x 5 = 0
1. Typha latyolia 10	y OBL	Column Totals:	(A) 0 (B)
3. Polygonum hydropsperordes 15	y OBL	Prevalence Inde	x = B/A =
4. Ustica choreia 5	FACW	Hydrophytic Vegetat	on Indicators:
5.	mist of the amount of the	Dominance Test is	s >50%
6.		Prevalence Index	is ≤3.0 <sup>1</sup>
7.			aptations <sup>1</sup> (Provide supporting
8.			s or on a separate sheet)
	La cedadii d	The second secon	aphytic \/ogototion1 (Explain)
Total Cover: 9/	nestani) re	The second secon	ophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum	S (esclard) of (eschard) is	Problematic Hydro	ov. Someon start was
Woody Vine Stratum  1.	esdonino Lectoria Si dechas	Problematic Hydro	ophytic Vegetation <sup>1</sup> (Explain) oil and wetland hydrology must
Woody Vine Stratum  1. 2.	ži (Brožnas) eristi naro jos, previgija jos	Problematic Hydro	ov. Someon start was
Woody Vine Stratum  1. 2.  Total Cover: %	(Bartoni) (Brocket) (Brocket) (Brocket)	Problematic Hydro  Indicators of hydric s be present.  Hydrophytic Vegetation	oil and wetland hydrology must
Woody Vine Stratum  1. 2.  Total Cover: %  % Bare Ground in Herb Stratum	Crust %	¹Indicators of hydric s be present.  Hydrophytic Vegetation Present?	ov. Someon start was
Woody Vine Stratum  1. 2.  Total Cover: %  % Bare Ground in Herb Stratum	Crust %	¹Indicators of hydric s be present.  Hydrophytic Vegetation Present?	oil and wetland hydrology must
Woody Vine Stratum  1. 2.  Total Cover: %  % Bare Ground in Herb Stratum	Crust %	¹Indicators of hydric s be present.  Hydrophytic Vegetation Present?	oil and wetland hydrology must
Woody Vine Stratum  1. 2.  Total Cover: %  % Bare Ground in Herb Stratum 70 % % Cover of Biotic 60	Crust %	¹Indicators of hydric s be present.  Hydrophytic Vegetation Present?	oil and wetland hydrology must

18319 bh A - M909 AT ACI MOITANNA 31180 CMASTEW Sampling Point: 27A

Depth Matrix		Features			
(inches) Color (moist) %	Color (moist)	%Type	Loc <sup>2</sup>	Texture <sup>3</sup>	Remarks
0-16 loye 2/1 90	109R 4/6	10 C	m	puty	Lag toane silt loan
200 (89) scott	CORON XEVINO SYSS	nou leder mac.			m (boldopé, tamada, eta je
Fig. 7 A LV Commission States 83	e i mora Nasa	9 10 20	C isi		52167 Noneman (Sept. 4) 12 1957 Notice
Manager and the second				-	
HOUSE DESCRIPTION OF THE PROPERTY OF THE PROPE				<u> </u>	than your time one; seem and as the
Lehene 9 of residue	No. (2) 10 44	<u>V)</u> 281 115	sy to ame as	gi nei kaucsi s	eaks / hydrasgla condinues on the are
Contract of the Contract of th	novô ismolf erá	disturbed?	ylinsofilesia		
( earched in Remarks une	nislava hebaen 10	Continuesia	mer vilitaurien		enistrus im 171 finiti 17 tenifrokse
Type: C=Concentration, D=Depletion, RM=f	Reduced Matrix	Location: PL=Po	ore Lining D	C-Poot Char	anal M-Matrix
Soil Textures: Clay, Silty Clay, Sandy Clay,					
Hydric Soil Indicators: (Applicable to all LRR			200 100 100 100 100 100 100 100 100 100		s for Problematic Hydric Soils:
Histosol (A1)	Sandy Redox				Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Mat	Carlo deligated blooms of the		- CO CO	Muck (A10) (LRR B)
Black Histic (A3)	Loamy Muck	y Mineral (F1)		Redu	uced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleye	ed Matrix (F2)		Red	Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Ma	trix (F3)		Othe	r (Explain in Remarks)
1 cm Muck (A9) ( <b>LRR D</b> )	Redox Dark				
Depleted Below Dark Surface (A11)		rk Surface (F7)			
Thick Dark Surface (A12)	Redox Depre	CHECKS IN THE TAIL		4	
Sandy Mucky Mineral (S1)	Vernal Pools	(F9)			s of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)	IC est ted?			wetian	nd hydrology must be present.
Restrictive Layer (if present):					
Type:	<del>na a</del> aseg2				
Depth (inches):					
				Hydric So	il Present? Yes No No
	J 10 1/1901011			Hydric So	il Present? Yes No No
	One mace of the Office of the			Hydric So	il Present? Yes No No
	30 etA isrii			Hydric So	il Present? Yes No No
Remarks:	one de la composición del composición de la composición del composición de la compos		20.200	Hydric So	il Present? Yes No No
YDROLOGY	J to mercent of the Area Office Species			Hydric So	il Present? Yes No No
YDROLOGY Vetland Hydrology Indicators:	D to medically and a constance of the co		10	Total Cov	ondary Indicators (2 or more required)
YDROLOGY Wetland Hydrology Indicators:	ient)		10	Seco	munus dunstyn
YDROLOGY Wetland Hydrology Indicators:	ient) Salt Crust (l	B11)		Seco	ondary Indicators (2 or more required)
YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is suffici				Seco	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficiently Surface Water (A1)	Salt Crust (I			Seco	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> )
YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficing Surface Water (A1)  High Water Table (A2)	Salt Crust (I Biotic Crust Aquatic Inve	(B12)		Seco	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> )
YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficing the surface Water (A1)  High Water Table (A2)  Saturation (A3)	Salt Crust (I Biotic Crust Aquatic Inve	(B12) ertebrates (B13)		Seco	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10)
YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficing Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)	Salt Crust (I Biotic Crust Aquatic Inve	(B12) ertebrates (B13) sulfide Odor (C1)	g Living Roo	Second Control of the	ondary 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 sufficing to surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh	(B12) ertebrates (B13) sulfide Odor (C1) nizospheres alon	g Living Roo C4)	Secondary Second	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7)
Primary Indicators (any one indicator is sufficiently Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rt Presence of Recent Iron	(B12) ertebrates (B13) culfide Odor (C1) nizospheres alon f Reduced Iron (	g Living Roo C4)	Second Se	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Primary Indicators (any one indicator is sufficiently 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 (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rt Presence of Recent Iron	(B12) ertebrates (B13) fulfide Odor (C1) nizospheres alon f Reduced Iron (in Reduction in Pla	g Living Roo C4)	Second	ondary 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 (C8) Shallow Aquitard (D3)
Primary Indicators (any one indicator is sufficiently 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 (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rt Presence of Recent Iron	(B12) ertebrates (B13) fulfide Odor (C1) nizospheres alon f Reduced Iron (in Reduction in Pla	g Living Roo C4)	Second	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> ) Sediment Deposits (B2) ( <b>Riverine</b> ) Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Thin Muck Surface (C7) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
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Project/Site: 2 Gates/Connection Slough City/County: Bacc	on Island, San Joaquin Sampling Date: 9/9/08
Applicant/Owner: Contra Costa Water District	State: CA Sampling Point: 27-B
Investigator(s): T. Mahony, A. Richey Section, Townshi	
	cave, convex, none): none Slope (%): 0 - 2
Subregion (LRR): C - Mediterranean California Lat: 38° 0′ 9′.8′	
Soil Map Unit Name: Itano silty clay, paritally drained, 0-2% slopes	NWI classification:
	No (If no, explain in Remarks.)
Are Vegetation Soil or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes No
	And the second s
	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling poi	int locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Soll Testures Clay Safv Clay Learn, sensy Clay
The state of the control of the state of the	npled Area
Wetland Hydrology Present? Yes No Within a W	
Remarks:	Sept services and the september of the s
ad Matin (F2) Sed Perent Mekertel (F2)	Tryprogen Stiffer (A4)
attacica) (Direc(Euclide) in Resource)	Streets Loyan (Ab) (Living)
VEGETATION	TO MILE TO MENT TO THE TOTAL TO THE T
Absolute Dominant Indica	ator   Dominance Test worksheet:
Tree Stratum (Use scientific names.) % Cover Species? Statu	
1. Interest of faum yeolarbyd brieflew	That Are OBL, FACW, or FAC: (A)
2.	Total Number of Dominant
3.	Species Across All Strata: 19 (B)
4	Percent of Dominant Species
Total Cover: % Sapling/Shrub Stratum	That Are OBL, FACW, or FAC: 100 % (A/B)
1.	Prevalence Index worksheet:
2.	Total % Cover of: Multiply by:
3.	OBL species x 1 = 0
4.	FACW species x 2 = 0
5.	FAC species x 3 = 0
Total Cover: %	FACU species x 4 = 0
Herb Stratum  1. Curron along along before  100 4 E	UPL species x 5 = 0
2. Cynodon daetylon 100 9 F)	Column Totals: (A) 0 (B)
3.	Prevalence Index = B/A =
4.	Hydrophytic Vegetation Indicators:
5.	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 Vegetation¹ (Explain)
Total Cover: %	201) O 1903 - C3, 694 - T3, 665 - Stocker Order Carlot
1.	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2.	be present.
Total Cover: %	Hydrophytic
% Bare Ground in Herb Stratum % % Cover of Biotic Crust %	Present? Yes V No
% Bare Ground in Herb Stratum % Cover of Biotic Crust %  Remarks:	1 resent: 1es (v no (
Lasts from ditth dredging a	loo present, containing
Remarks: Sports from didth dredging a t. latifolia litter.	
T. latifolia litter.	
	Avery Compared to growing and the compared to

Depth	Matrix	ninacoto		x Features	ChyfiC		sence of indicator	
(inches)	Color (moist)	% C	olor (moist)		Type <sup>1</sup> L	oc² Textu	ure <sup>3</sup>	Remarks
0-16	10 yr 2/1	100	_	0	COST	- sil	t loam	vinorial ( Tita) strapita
- 1/30		and a decree	or Macroso est	anne i balles fe	5.565	100		le souper socialité matt
	W. Friday			the sola	6 6 7			La Tarris Andreas
AR GAR	muleu 143	- Y		9 9 9	<u> </u>	3.1	molecul access	
	calton	micaelo IVVH			z sagra èl	<u> denmad, 6-2°</u>	vilsiana vela n	is causing retrieved through the
	Lavisme	n distanti di	10 000	100	C Theat to a	unit and tot leaf	gyt sits off no sool	fibrica algorished valueris.
	A a delegan of the later		and Indiana and St		reasonione udo	rantes	nearly things of	Tasi Terikatanah
	1.89 1811 18 21	- 100 TO THE TABLE			11120 127 12 141	2 (6.11.24)	THE RESERVE OF THE PERSON OF T	7 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /
Type: C=C	oncentration, D=Deple	ation PM-Pod	ucod Matrix	<sup>2</sup> Location: E	DI =Poro Lin	ing PC-Poot (	Channel, M=Matrix	MARINE SO YEARS
								m, Silt, Loamy Sand, San
	ndicators: (Applicable				., 200, 0.0		ators for Problema	
Histosol	The state of the s	[	Sandy Red				cm Muck (A9) (LF	
	pipedon (A2)	Op V	Stripped M	A SECTION AND ADDRESS OF THE PARTY OF THE PA			2 cm Muck (A10) (L	
Black H	istic (A3)		Loamy Mu	cky Mineral (I	F1)	F	Reduced Vertic (F1	8)
	en Sulfide (A4)			yed Matrix (F	-2)		Red Parent Materia	
	d Layers (A5) (LRR C	[	Depleted N				Other (Explain in R	emarks)
	uck (A9) (LRR D)	(0.44)		k Surface (F6				
	d Below Dark Surface ark Surface (A12)	(A11)		Dark Surface or Dressions (F8	. ,			
	Mucky Mineral (S1)	arow sauT cor	Vernal Poo		ried eut	<sup>4</sup> India	cators of hydrophyt	ic vegetation and
	Gleyed Matrix (S4)	3 telephone T to		) (i 0)			etland hydrology m	
	Layer (if present):	<u> </u>	MA SECTION				, , , , , , , , , , , , , , , , , , , ,	
Type:	ine							
Depth (in	rches):		essent l			Hydri	c Soil Present?	Yes No (V
Remarks:		de tourneeme i es	1000000			11,7411		
YDROLO	OGY drology Indicators:	nce Index were a second	eqa JSQ				Secondary Indicate	ors (2 or more required)
Primary Indi	cators (any one indica	ator is sufficient	)				Water Marks (	B1) (Riverine)
i Sullace	vvater (A1)		Salt Crus	t (B11)			Sediment Den	osits (B2) (Riverine)
	Water (A1) ater Table (A2)		Salt Crus Biotic Cru			Tavod lete		osits (B2) (Riverine) (B3) (Riverine)
High W	ater Table (A2)		Biotic Cru	ıst (B12)	(B13)	otel Cover	Drift Deposits	(B3) (Riverine)
High W	ater Table (A2) ion (A3)	ne)	Biotic Cru	ust (B12) nvertebrates (		stel Cover	Drift Deposits Drainage Patt	(B3) ( <b>Riverine</b> ) erns (B10)
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High W. Saturati Water N Sedime	ater Table (A2) ion (A3)	riverine)	Biotic Cru Aquatic Ir Hydroger Oxidized	ust (B12) nvertebrates ( n Sulfide Odo	r (C1) s along Livir	ng Roots (C3)	Drift Deposits Drainage Patt Dry-Season V	(B3) (Riverine) erns (B10) //ater Table (C2) rface (C7)
High W. Saturati Water M Sedime Drift De	ater Table (A2) ion (A3) Marks (B1) ( <b>Nonriveri</b> nt Deposits (B2) ( <b>Non</b> posits (B3) ( <b>Nonriver</b>	riverine)	Biotic Cru Aquatic Ir Hydroger Oxidized Presence	ust (B12) nvertebrates ( n Sulfide Odo Rhizospheres of Reduced	r (C1) s along Livii Iron (C4)		Drift Deposits Drainage Patt Dry-Season W Thin Muck Su Crayfish Burro	(B3) (Riverine) erns (B10) /ater Table (C2) fface (C7) ws (C8)
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High W Saturati Water M Sedime Drift De Surface Inundat Water-S Field Obser	ater Table (A2) ion (A3) Marks (B1) (Nonrivering the Deposits (B2) (Nonrivering the Soil Cracks (B6) ion Visible on Aerial Instained Leaves (B9) rvations: ter Present?	ine) magery (B7)  es No (	Biotic Cru Aquatic II Hydroger Oxidized Presence Recent Ir Other (Ex	ust (B12) nvertebrates ( n Sulfide Odo Rhizosphere: of Reduced on Reduction (plain in Rem	or (C1) s along Livin Iron (C4) n in Plowed		Drift Deposits Drainage Patt Dry-Season V Thin Muck Su Crayfish Burro Saturation Vis Shallow Aquit	(B3) (Riverine) erns (B10) /ater Table (C2) rface (C7) ows (C8) ible on Aerial Imagery (CS) ard (D3)
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Project/Site: 2 Gates/Connection Slough City/County: Bacon Is	sland, San Joaquin	Sampling Date:	9/9/08
Applicant/Owner: Contra Costa Water District	State: CA	Sampling Point:	2XA
Investigator(s): T. Mahony, A. Richey Section, Township, Ra		24E Sec	2011
Landform (hillslope, terrace, etc.): https://www.local.relief (concave,			ope (%): 0 -
Subregion (LRR): C - Mediterranean California Lat: 38° 0' 10.8"	00,00		um: NAD 83
Soil Map Unit Name: Itano silty clay, paritally drained, 0-2% slopes	NWI classific		INAD 83
Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No (			
			/
	"Normal Circumstances"		No C
	eeded, explain any answe		
SUMMARY OF FINDINGS - Attach site map showing sampling point lo	ocations, transects	, important fe	eatures, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes No No Is the Sampled within a Wetland	_/	/ No C	sal Textures City Believe Codice Codi
Remarks: Frishwater marsh. Pour soil develop	ment- see se	ril section	Maria Maria
Constitution (F2)  Red Perent Material (F2)	yeas and find	16/A) 20/A	A CHARLES
Construction regularly regions (1) and the construction of the con	2000 E		Laborator Paris
VEGETATION Absolute Deminent Indicator	L Daminana Tastawal	section Subset voi	Seplement Teacher
Tree Stratum (Use scientific names.)  Absolute Dominant Indicator % Cover Species? Status	Number of Dominant S	24 24 Impropried	
1. Ingestig od fabrit vgolonbart brieflaw	That Are OBL, FACW,		Ø (A)
2.	Total Number of Domir	nant	
3.	Species Across All Stra		(B)
4. () ON The Set Minister and Ship yet	Percent of Dominant S	pecies	
Sapling/Shrub Stratum  Total Cover: %	That Are OBL, FACW,		0 % (A/B)
1.	Prevalence Index wor	ksheet:	
2.	Total % Cover of:	Multip	oly by:
3.	OBL species	x 1 =	0
4. (conjugat stam to 2) stocolori visitato ele	FACW species	x 2 =	0
5. (काम कामान (रिटा) द्या काम महीदार	FAC species	x 3 =	0
Total Cover: %	FACU species	x 4 =	0
1. A Pro had continued to the second to the	UPL species	x 5 =	0
1. Sepenoplichis Californicus 90 y 08L	Column Totals:	(A)	0 (B)
3. (1.0) souther south that (1.0) and (1.0) and (1.0) are southern (1.0) and (1.0) are southern (1.0) and (1.0) are southern (1.	Prevalence Index	c = B/A =	
4.	Hydrophytic Vegetation	on Indicators:	
5.	Dominance Test is		
6.	Prevalence Index i	s ≤3.0 <sup>1</sup>	
7.	Morphological Ada		
8.		s or on a separat	,
Total Cover: %	Problematic Hydro	pnylic vegetation	(Explain)
Woody Vine Stratum	<sup>1</sup> Indicators of hydric so	oil and wetland b	vdrology must
1. Assuching malashyl matrix	be present.	on and wedana II	, arology must
Total Cover: %	Hydrophytic	companies pied ha	
W.D. G	Vegetation	1	
% Bare Ground in Herb Stratum / 0 % Cover of Biotic Crust %	Present? Ye	s V No (	
Remarks:			
Sche californicus goes right to edge of lu			
Schoolfornicus goes right to star 1	de.		
of the	re.		

Depth Matrix	Redo	x Features				mairois,		
inches) Color (moist) %	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	<u>e</u> 3	Remar	ks
						1 11 1	In the second	
N -1128) 99013	(Bhoth Mavator, By)	100es) 19/12	1600.1		13 1 3 5		(4, 7311,800, 410, 11	POLEN THE THE
marke a Stratusia BAR				Table of I		Washington Co.	at an	seld seda med
The contract of the contract o	<u> </u>		1260	F 05 - U - E	SHEETE V	ELLERING , V.B.	D VINE URBIL	mer on the than
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y day and a second day to the second			2000000		- Lake	100000		
any stawers in Femarks	nicione balvaan ff	5.0	iameldos	Traffundity I		Agoles pier 10	N 1 106	mariena
Type: C=Concentration, D=Depletion, RM=I	Reduced Matrix.	<sup>2</sup> Location:	PL=Pore	Lining, RC	C=Root Ch	nannel, M=M	latrix.	
Soil Textures: Clay, Silty Clay, Sandy Clay,								y Sand, Sar
ydric Soil Indicators: (Applicable to all LRR			,	7			lematic Hydric Soi	
Histosol (A1)	Sandy Red	4.2 (40/40) - COL 12 - FU I				cm Muck (As		13.
Histic Epipedon (A2)	Stripped M					cm Muck (A	The state of the s	
Black Histic (A3)		cky Mineral	(E1)			educed Verti		
Hydrogen Sulfide (A4)	The second secon	eyed Matrix				ed Parent Ma	the second secon	
			(Г2)					
Stratified Layers (A5) (LRR C)	Depleted N		<b>50</b> )			ner (Explain	in Remarks)	
1 cm Muck (A9) ( <b>LRR D</b> )		k Surface (	,					
Depleted Below Dark Surface (A11)		Oark Surface						
Thick Dark Surface (A12)	SCHOOL STATE OF THE PARTY OF TH	oressions (F	-8)					
Sandy Mucky Mineral (S1)	Vernal Poo	ols (F9)					ophytic vegetation	
Sandy Gleyed Matrix (S4)	90 mA serfi				wet	land hydrolo	gy must be preser	nt.
estrictive Layer (if present):								
Type:								
Depth (inches):								1
					Hydric	Sail Drocon	to Voc	No O
	oil frip	rap,	un	able 7			svil, m	No O true
poil profile has de	oil frip	rap,	un	able i				
poil profile has de	oil frip weloped.	rap,	un	able 7	to sa	ample	soil, no	+nue
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Pemarks:  mexture of so  poil profile has de  YDROLOGY  Wetland Hydrology Indicators:	CSL speuled FACW spen	rap,	un	nble i	to sa	econdary Inc	soil, no	true required)
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Primary Indicators (any one indicator is suffice	ient)	t (B11)	uni	able 7	to sa	econdary In.  Water Ma	surl, modicators (2 or more	required) verine)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (any one indicator is suffice Surface Water (A1) High Water Table (A2)	ient) Salt Crus Biotic Cru	t (B11)		able 7	to sa	econdary In  Water Ma  Sediment  Drift Depo	dicators (2 or more arks (B1) (Riverine Deposits (B2) (Ri posits (B3) (Riverine	required) verine)
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Proposits (B2) (Nonriverine)  Surface Soil Cracks (B6)	sient)  Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ire	t (B11) ist (B12) nvertebrates n Sulfide Od Rhizospher	s (B13) lor (C1) res along d Iron (C4	Living Root	Since	econdary Ind Water Ma Sediment Drift Depr Drainage Dry-Seas Thin Muc	dicators (2 or more arks (B1) (Riverine Deposits (B2) (Riverine Patterns (B10) on Water Table (Ck Surface (C7)	required) e) verine) e)
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Proposits (B2) (Nonriverine)  Sediment Deposits (B3) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Surface Water Present?  Yes W	sient)  Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	t (B11) ust (B12) nvertebrates s Sulfide Od Rhizospher of Reduces on Reduction replain in Rer	s (B13) lor (C1) es along d Iron (C4 on in Plow	Living Root	Since	econdary In  Water Ma  Sediment  Drift Depo  Drainage  Dry-Seas  Thin Muc  Crayfish I  Saturation  Shallow A	dicators (2 or more arks (B1) (Riverine arks (B3) (Riverine arks (B3) (Riverine arks (B3) (Riverine patterns (B10) on Water Table (C4) k Surface (C7) Burrows (C8) in Visible on Aerial Aquitard (D3)	required) e) verine) e)
Proposition (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B3) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Water Cacker (B9) Water-Stained Leaves (B9) Water Water Present?	Salt Crus Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	t (B11) ust (B12) nvertebrates s Sulfide Od Rhizospher of Reduces on Reduction replain in Rer	s (B13) lor (C1) res along d Iron (C4 on in Plow marks)	Living Root	Since	econdary In  Water Ma  Sediment  Drift Depo  Drainage  Dry-Seas  Thin Muc  Crayfish I  Saturation  Shallow A	dicators (2 or more arks (B1) (Riverine arks (B3) (Riverine arks (B3) (Riverine arks (B3) (Riverine patterns (B10) on Water Table (C4) k Surface (C7) Burrows (C8) in Visible on Aerial Aquitard (D3)	required) e) verine) e)
Proposits (B3) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water Table Leaves (B9)  ield Observations:  Surface Water Present?  Vater Table Present?  Yes (Nater Nath Surface (Nater Nath Surface)  Seaturation Present?  Naturation Present?  Yes (Naturation Present)  Naturation Present?  Yes (Naturation Present)  Yes (Naturation Present)  Yes (Naturation Present)	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	t (B11) ust (B12) nvertebrates a Sulfide Od Rhizospher of Reduces on Reduction plain in Ren anches):	s (B13) lor (C1) res along d Iron (C4 on in Plow marks)	Living Root I) ved Soils (C	ss (C3) [	econdary Ind Water Ma Sediment Drift Depr Drainage Dry-Seas Thin Muc Crayfish Saturatio Shallow A	dicators (2 or more arks (B1) (Riverine 2 Deposits (B2) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B10) 3 On Water Table (C4) 3 Kourface (C7) 3 Burrows (C8) 3 In Visible on Aerial 3 Aquitard (D3) 4 tral Test (D5)	required) e) verine) e) limagery (CS
POROLOGY  Vetland Hydrology Indicators:  Irimary Indicators (any one indicator is suffice of the	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	t (B11) ust (B12) nvertebrates a Sulfide Od Rhizospher of Reduces an Reduction replain in Rer anches):	s (B13) lor (C1) res along d Iron (C4 on in Plow marks)	Living Roof	ss (C3)	econdary In  Water Ma  Sediment  Drift Depr  Drainage  Dry-Seas  Thin Muc  Crayfish  Saturatio  Shallow A  FAC-Neu	dicators (2 or more arks (B1) (Riverine 2 Deposits (B2) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B10) 3 On Water Table (C4) 3 Kourface (C7) 3 Burrows (C8) 3 In Visible on Aerial 3 Aquitard (D3) 4 tral Test (D5)	required) e) verine) e)
Proposition (Present? Yes (Norriver)  Water Table Present? Yes (Norriver)	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	t (B11) ust (B12) nvertebrates a Sulfide Od Rhizospher of Reduces an Reduction replain in Rer anches):	s (B13) lor (C1) res along d Iron (C4 on in Plow marks)	Living Roof	ss (C3)	econdary In  Water Ma  Sediment  Drift Depr  Drainage  Dry-Seas  Thin Muc  Crayfish  Saturatio  Shallow A  FAC-Neu	dicators (2 or more arks (B1) (Riverine 2 Deposits (B2) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B10) 3 On Water Table (C4) 3 Kourface (C7) 3 Burrows (C8) 3 In Visible on Aerial 3 Aquitard (D3) 4 tral Test (D5)	required) e) verine) e) limagery (CS
Proposition (Present? Yes (Norriver)  Water Table Present? Yes (Norriver)	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	t (B11) ust (B12) nvertebrates a Sulfide Od Rhizospher of Reduces an Reduction replain in Rer anches):	s (B13) lor (C1) res along d Iron (C4 on in Plow marks)	Living Roof	ss (C3)	econdary In  Water Ma  Sediment  Drift Depr  Drainage  Dry-Seas  Thin Muc  Crayfish  Saturatio  Shallow A  FAC-Neu	dicators (2 or more arks (B1) (Riverine 2 Deposits (B2) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B10) 3 On Water Table (C4) 3 Kourface (C7) 3 Burrows (C8) 3 In Visible on Aerial 3 Aquitard (D3) 4 tral Test (D5)	required) e) verine) e) limagery (CS
Proposition (Page 1)  Water Saturation Visible on Aerial Imagery (B7)  Water Stained Leaves (B9)  Water Table Present?  Water Table	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	t (B11) ust (B12) nvertebrates a Sulfide Od Rhizospher of Reduces an Reduction replain in Rer anches):	s (B13) lor (C1) res along d Iron (C4 on in Plow marks)	Living Roof	ss (C3)	econdary In  Water Ma  Sediment  Drift Depr  Drainage  Dry-Seas  Thin Muc  Crayfish  Saturatio  Shallow A  FAC-Neu	dicators (2 or more arks (B1) (Riverine 2 Deposits (B2) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B10) 3 On Water Table (C4) 3 Kourface (C7) 3 Burrows (C8) 3 In Visible on Aerial 3 Aquitard (D3) 4 tral Test (D5)	required) e) verine) e) limagery (CS
Primary Indicators (any one indicator is suffice of 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 (Nonriverine)	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	t (B11) ust (B12) nvertebrates a Sulfide Od Rhizospher of Reduces an Reduction replain in Rer anches):	s (B13) lor (C1) res along d Iron (C4 on in Plow marks)	Living Roof	ss (C3)	econdary In  Water Ma  Sediment  Drift Depr  Drainage  Dry-Seas  Thin Muc  Crayfish  Saturatio  Shallow A  FAC-Neu	dicators (2 or more arks (B1) (Riverine 2 Deposits (B2) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B10) 3 On Water Table (C4) 3 Kourface (C7) 3 Burrows (C8) 3 In Visible on Aerial 3 Aquitard (D3) 4 tral Test (D5)	required) e) verine) e) limagery (CS
Proposition (Ba)  Water Salined Leaves (B9)  Water Table Present?	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	t (B11) ust (B12) nvertebrates a Sulfide Od Rhizospher of Reduces an Reduction replain in Rer anches):	s (B13) lor (C1) res along d Iron (C4 on in Plow marks)	Living Roof	ss (C3)	econdary In  Water Ma  Sediment  Drift Depr  Drainage  Dry-Seas  Thin Muc  Crayfish  Saturatio  Shallow A  FAC-Neu	dicators (2 or more arks (B1) (Riverine 2 Deposits (B2) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B10) 3 On Water Table (C4) 3 Kourface (C7) 3 Burrows (C8) 3 In Visible on Aerial 3 Aquitard (D3) 4 tral Test (D5)	required) e) verine) e) limagery (CS
Proposition (Proposition (Propo	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	t (B11) ust (B12) nvertebrates a Sulfide Od Rhizospher of Reduces an Reduction replain in Rer anches):	s (B13) lor (C1) res along d Iron (C4 on in Plow marks)	Living Roof	ss (C3)	econdary In  Water Ma  Sediment  Drift Depr  Drainage  Dry-Seas  Thin Muc  Crayfish  Saturatio  Shallow A  FAC-Neu	dicators (2 or more arks (B1) (Riverine 2 Deposits (B2) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B10) 3 On Water Table (C4) 3 Kourface (C7) 3 Burrows (C8) 3 In Visible on Aerial 3 Aquitard (D3) 4 tral Test (D5)	required) e) verine) e) limagery (CS
Proposition (Ba)  Water Salined Leaves (B9)  Water Table Present?	Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Other (Ex	t (B11) ust (B12) nvertebrates a Sulfide Od Rhizospher of Reduces an Reduction replain in Rer anches):	s (B13) lor (C1) res along d Iron (C4 on in Plow marks)	Living Roof	ss (C3)	econdary In  Water Ma  Sediment  Drift Depr  Drainage  Dry-Seas  Thin Muc  Crayfish  Saturatio  Shallow A  FAC-Neu	dicators (2 or more arks (B1) (Riverine 2 Deposits (B2) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B3) (Riverine 2 Deposits (B10) 3 On Water Table (C4) 3 Kourface (C7) 3 Burrows (C8) 3 In Visible on Aerial 3 Aquitard (D3) 4 tral Test (D5)	required) e) verine) e) limagery (CS

Project/Site: 2 Gates/Connection Slough	City/Co	ounty: Bacon Is	land, San Joaquin	Sampling Date	: 9/9/08
Applicant/Owner: Contra Costa Water District			State: CA	Sampling Point	= 28B
nvestigator(s): T. Mahony, A. Richey	Sectio	n, Township, Ra	nge: T2N	R4E Sec	22
andform (hillslope, terrace, etc.): hellslope/levee	Local	relief (concave,	convex, none):	nvex s	lope (%): 5 - /
2.5000	at: 38°	0,10.811	Long: 1210 3	1'39" Da	tum: NAD 83
Soil Map Unit Name: Itano silty clay, paritally drained, 0-2			NWI cla	ssification:	
Are climatic / hydrologic conditions on the site typical for this tim		es No C	(If no, explain	n in Remarks.)	
	ficantly disturb		'Normal Circumstan	ces" present? Yes (	No C
	ally problema			nswers in Remarks.)	
SUMMARY OF FINDINGS - Attach site map sho		•			eatures, etc.
an Stragoni Chames Manager Stragon Stragon Send Conce	/	nother Park	dest headingswe godae mer i vast.	padales (1917 deltest vansk pe C valle va	
Hydrophytic Vegetation Present? Yes No ( Hydric Soil Present? Yes No (		Is the Sampleo	Area	क्ष वर्ष का सक्तारोज् <i>वा</i> र्ज । अस्ता	nation (less of virgin
Wetland Hydrology Present? Yes No (		within a Wetla		O No C	(ra) bastart [11]
Remarks:	37	Within a World			
VEGETATION	(8	Dark Surface (Fig.	colors and an arrangement of the colors of t	15 92 1 12 15 92 1 12 14) egsbullope5 wi	According to the second
		nant Indicator	Dominance Test	worksheet:	white time?
transaction and terminal translations	Cover Spec	ies? Status	Number of Domin	The state of the s	0 (A)
1			-		0 (7)
2			Total Number of I Species Across A		(B)
4.					(2)
Total Cover:	%	A Seek re	<ul> <li>Percent of Domin</li> <li>That Are OBL, FA</li> </ul>		0 % (A/B)
Sapling/Shrub Stratum			Prevalence Inde	x worksheet:	
1. 2.			Total % Cove	er of: Mul	tiply 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	15	demoder <b>F</b> G	UPL species	x 5 =	0
1. Cymodon dactylon	45	y FAC	Column Totals:	(A)	0 (B)
2. Cardins pycnocephalis	45	y NL	Prevalence	Index = B/A =	
4. Conyra canadensis	5	FAC	Hydrophytic Ve	getation Indicators:	
5.	)	NL	Dominance 7	Test is >50%	
6.			Prevalence I		
7.			Morphologic	al Adaptations <sup>1</sup> (Provemarks or on a separ	ide supporting
8.		. Kandono r		Hydrophytic Vegetati	Charles A. A. Carlotte
Total Cover:	%	1(284),(1) (	50 50 60		neorit sites 7 mast
Woody Vine Stratum			<sup>1</sup> Indicators of hy	dric soil and wetland	hydrology must
1	omadani kini	vern zagri in	be present.		control dhose
Total Cover:	%		Hydrophytic		
	f Biotic Crust	%	Vegetation Present?	Yes No	
Remarks:		To a			7.24

Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture <sup>3</sup> Remarks
		autinisa tutti ir mittava anetinas
<u> </u>	Section, Fewnship, Range,	wenoist A vrodeA 1 337808299
	anon seveno evacron) teker loso. L	A L.
	101 0 1018"	
A A A A A A A A A A A A A A A A A A A	13 1 9804 8 d c 462	ERREGIES RESERVABILISTA - 7-1474 STORE
noteofilesio MA	A sonie a CC-D	besign official very offic ough sessifico aside
A substitute of the last state of the state	and the state of t	to the second comment of the second comment of the second
L 68 EU 57 13 135 G 8	(1 day 10	THE STREET COLORS OF STREET STREET, ST
Carried Sesent? Yes (**) 240 (**)	significantly disturbed? Are "Normal Circus	Vegetorbyth o Tille Collins Hallage V
T SATISFACT IN CHORGE IN VIN.	CLEANAN AND CONTRACTOR OF THE STATE OF THE S	
e acceste, ferrodricant feets seen oto	<del>a a contra policia policia la contra del</del>	SEE ON CHARLES AS VOAREN
Гуре: C=Concentration, D=Depletion, RM=		RC=Root Channel, M=Matrix.
Soil Textures: Clay, Silty Clay, Sandy Clay,	Loam, Sandy Clay Loam, Sandy Loam, Clay Loa	am, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, San
ydric Soil Indicators: (Applicable to all LRR	s, 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)
		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)	70 and tail?	wetland hydrology must be present.
estrictive Layer (if present):		
Type: Inserted to as		
	Specie	Undels Oall Brossett Ves C
Depth (inches):		Hydric Soil Present? Yes No
Remarks: No true soil	development, but a con	iglomerate of gravel & soil
TO MERCON STREET	development, but a con levee.	iglomerate of gravel & soil
YDROLOGY	development, but a con levee.	iglomerate of gravel & soil
YDROLOGY Vetland Hydrology Indicators:	ic listor. 6-DBL spaces FACW space	Secondary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators:	ic listor. 6-DBL spaces FACW space	iglomerate of gravel & soil
YDROLOGY Vetland Hydrology Indicators:	ic listor. 6-DBL spaces FACW space	Secondary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (any one indicator is sufficed Surface Water (A1)	cient)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (any one indicator is sufficed Surface Water (A1) High Water Table (A2)	cient)  Salt Crust (B11)  Biotic Crust (B12)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (any one indicator is sufficed or sufficed o	cient)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (any one indicator is sufficed or sufficed o	cient)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)
Verland Hydrology Indicators:  Irimary 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)	cient)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro	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)  oots (C3)  Thin Muck Surface (C7)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (any one indicator is sufficed or sufficed o	cient)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)
VDROLOGY 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)	cient)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)
Verland 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)	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)
Vetland 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)  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 Ro Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)
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)	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)
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:	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Ro  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils  Other (Explain in Remarks)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)
Vetland 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)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)
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Vetland 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 Noter Table Present? Yes Note   Saturation Present?	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils  Other (Explain in Remarks)  Depth (inches): Depth (inches):  Wet	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Vetland 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 Noter Table Present? Yes Note   Saturation Present?	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils  Other (Explain in Remarks)  Depth (inches): Depth (inches):  Wet	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
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Vetland Hydrology Indicators:  Primary Indicators (any one indicator is sufficed by 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 Noter Table Present?  Ves Noter	Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Ro  Presence of Reduced Iron (C4)  Recent Iron Reduction in Plowed Soils  Other (Explain in Remarks)  Depth (inches):  Depth (inches):  Depth (inches):  Wet	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)  Thin Muck Surface (C7)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C8)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
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Applicant/Owner: Contra Costa Water District   State: CA   Sampling Point: 29 A   Investigator(s): T. Mahony, A. Richev   Section, Township, Range: T. 2.N. P. LF   CAC 22   Subregion (LRR): C. Mediterranean California   Lat. 28 ° 0 ' g. 6	Project/Site: 2 Gates/Connection Slough	City/County: Bacon Isla	and, San Joaquin	Sampling Date:	9/9/08
Investigator(s): T. Mahony, A. Richey   Section, Township, Range: T. 2.N. R. L. Coal relief (concave, convex, none): Concave   Slope (%): C. 2. Subregion (RR): C. Mediternance California   Lat. 38 ° 0' 8 6"   Long: 12 1e 3 ' 2 9"   Datum: NAD 83	Applicant/Owner: Contra Costa Water District	Sept.	State: CA	Sampling Point:	29 A
Landform (hillslope, lerrace, etc.): Leve / Connection S   Local relaif (concave, corvex, none): Concave   Slope (%): 0 - 2   Subregion (LRR): C. Mediterranean California   Let: 3 8 ° 0 ' 8 (		Section, Township, Rang	ge: 12N	RYE SIC	22
Subtregion (LRR): C - Mediterranean California		Local relief (concave, co	onvex, none): Conc	owe Slo	pe (%): 0 - 2
Soil Map Unit Name   Irano silve clav, paritally drained, 0-2% slopes   NN/ Classification;		38° 0' 8.6"	Long: 1210 31	29" Datu	m: NAD 83
Are Vegetation on the site typical for this time of year? Yes (V No (If no, explain in Remarks.)  Are Vegetation of the site typical for this time of year? Yes (V No (If no, explain in Remarks.)  Are Vegetation of the soll of relydrology of 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 (V No (V) Is the Sampled Area within a Watland? Yes (V) No (V) Is the Sampled Area within a Watland? Yes (V) No (V) Is the Sampled Area within a Watland? Yes (V) No (V) Is the Sampled Area within a Watland? Yes (V) No (V) Is the Sampled Area within a Watland? Yes (V) No (V) Is the Sampled Area within a Watland? Yes (V) No (V) Is the Sampled Area within a Watland? Yes (V) No (V) Is the Sampled Area within a Watland? Yes (V) No (V) Is the Sampled Area within a Watland? Yes (V) No (V) Is the Sampled Area within a Watland? Yes (V) No (V) Is the Sampled Area within a Watland? Yes (V) No (V) Is the Sampled Area within a Watland? Yes (V) No (V)		ppes	NWI classifi	cation:	
Are Vegetation Soil or Hydrology algnificantly disturbed? Are "Normal Circumstances" present? Yes No Care Vegetation Soil or Hydrology auturally 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 Care Vegetation Indicators Vegetation Vegetation Indicators Vegetation Vegetation Indicators Vegetation Ve			(If no, explain in F	Remarks.)	
Are Vegetation Soil or Hydrology Inaturally 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 West No Westland Hydrology Present? Yes No Westland Hydrology No No Westland Hydrology No No Westland Hydrology No			Normal Circumstances"	present? Yes (V	No C
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present? Yes No Service Soil Present? Yes No Service Stratum Service Service Service Service Service Service Service Service S		oblematic? (If nee	eded, explain any answ	ers in Remarks.)	
Hydrophytic Vegetation Present? Yes (No No N	, , ,	sampling point lo	cations, transects	s, important fe	atures, etc.
Hydric Soil Present? Yes ( No	/ / / Maintage / Attaget attag	, camping paners	<u>ata kopushi Alesto Allondo</u> see Allondo El patro emiss	<u>fracke i zaskovanez</u> 9. svati svitil svatil	Senidous Clarac
Wetland Hydrology Present?   Yes (	- i, are pri, are regarded	the best of several seems of the second	te metro efficie al a	/ 10000 00000	met soa oenet
Remarks: Freshwater monoth. No true sort development mix of rip rap tool are sort section remarks. March continues to wrack line. A compile (LLL) feet of bear applied from some area, but we are uncluding to the feet of bear area as Freshwater march.    Tree Stratum (Use scientific names.)   Absolute Dominant Indicator % Cover   Species? Status   Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Species That Are OBL, FACW, or FAC: (\$\infty\$ (A)   Total Number of Dominant Indicator Number of Dominant Number of Dominant Number of Domi	The state of the s			No C	A) toucheld
Au Soliton runars. No true soil disordopment—mile of trip tap has a sure soil section runars.    Congle (1-2) feet of bare up tap un some area, but we are uncluding)	FEL THE INVESTIGATION FROM	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			20
VEGETATION Bare areas as Frushwarder marks.    Tree Stratum (Use scientific names.)   Absolute   Dominant Indicator   % Cover   Species?   Status	Freshwater marsh No to	ne sort du	oclopment- 1	nix of rip	rap fool
VEGETATION Bare areas as Frushwarder marks.    Tree Stratum (Use scientific names.)   Absolute   Dominant Indicator % Cover   Species?   Status	see soil section remarks.	Marsh cont	simes to we	ack line	. a
Tree Stratum (Use scientific names.)   Absolute % Cover   Species?   Status   Number of Dominant Species   Total Cover.   Species?   Status   Sta	Couple (1-2) feet of bare of	o Tap in som	e areas, but	we are i	neluding
Tree Stratum (Use scientific names.)	VEGETATION Bare areas as Frishwat	ir marsh.	(4 ) A)		
Total Cover: %   Total Cover: %   Total Cover: %   Total Stratum   Total Cover: %   Total Stratum   Total Cover: %   Total Stratum   Total Cover: %   Total % Cover of:   Multiply by:   OBL species   X 1 = 0   FACW species   X 2 = 0   FACW species   X 3 = 0   FACW species   X 4 = 0   OBL spec			may I in the second		Sandy Mice
Total Number of Dominant Species Across All Strata:  Total Cover:  Sapling/Shrub Stratum  Total Cover:  Sapling/Shrub Stratum  Total Cover:  Total & Cover of:  Total Cover:  FACW species	The used and form smoleched threshold.	Species: Status			(A)
Species Across All Strata:   Common				THE PERSON NAMED IN	
Total Cover: %   Frecuence Index worksheet:   Total % (Cover of: Multiply by: OBL species   X 1 = 0	<u> </u>				(B)
Total Cover: %   That Are OBL, FACW, or FAC:    00 % (A/B)	4.		Percent of Dominant	Species	
1.		ó			) % (A/B)
Total % Cover of:			Prevalence Index wo	orksheet:	
3.   OBL species   x 1 = 0					ly by:
4.			OBL species	x 1 =	0
Total Cover: % Herb Stratum  1.			FACW species	x 2 =	0
Herb Stratum  1.	5.		FAC species	x 3 =	0
Column Totals: (A) 0 (B)   Prevalence Index = B/A =   Hydrophytic Vegetation Indicators:		6			
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)  Woody Vine Stratum  Total Cover: %  Woody Vine Stratum  Total Cover: %  Bare Ground in Herb Stratum		remin engagement	185A		
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.  Total Cover: %  Bare Ground in Herb Stratum / 6 % % Cover of Biotic Crust / 9  Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:  Dominance Test is >50% Prevalence Index = B/A =  Hydrophytic Vegetation¹ (Provide supporting data in Remarks or on a separate sheet)  ¹Indicators of hydric soil and wetland hydrology must be present.  Hydrophytic Vegetation Present? Yes No C	A C C C C C C C C C C C C C C C C C C C	<u> 9</u> 08C	Column Totals:	(A)	0 (B)
Hydrophytic Vegetation Indicators:  Dominance Test is >50% Prevalence Index is ≤3.0¹  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.	The state of the s		Prevalence Inde	ex = B/A =	
Frevalence Index is ≤3.0¹  Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)  1.	A STATE OF THE STA	The many tracks the second	Hydrophytic Vegeta	tion Indicators:	
6. 7.	200 y mana and traba A and primary sense men? List in 1900 a last make	And Annual Control of the	The state of the s		
data in Remarks or on a separate sheet)    Problematic Hydrophytic Vegetation¹ (Explain)   Indicators of hydric soil and wetland hydrology must be present.   Hydrophytic Vegetation   Hydrophytic Vegetation   Hydrophytic Vegetation   Hydrophytic Vegetation   Present?   Yes	6.		1101011011011	The second second	AND THE PROPERTY OF
8. Total Cover:  Woody Vine Stratum  1. Indicators of hydric soil and wetland hydrology must be present.  2. Hydrophytic Vegetation  1 Indicators of hydric soil and wetland hydrology must be present.  Hydrophytic Vegetation Vegetation Present?  Yes No No Cover of Biotic Crust %	7.		Morphological Addata in Rema	daptations' (Provid rks or on a separat	e supporting e sheet)
Woody Vine Stratum  1		- (kadada dita			
1		6			
Z				soil and wetland h	ydrology must
Total Cover: %  We Bare Ground in Herb Stratum / 6 % Cover of Biotic Crust / Yes (No Cover)			be present.	Difference Leave Con-	DESCRIPTION OF THE PROPERTY.
% Bare Ground in Herb Stratum / 6 % Cover of Biotic Crust / Present? Yes No C		%			
	% Bare Ground in Herb Stratum / 6 % Cover of Biotic	: Crust %		Yes Wo	0
Water.	70 2010 0100110 11111010 0111111111				
	Water.				

Profile Description: (Describe to the depth	needed to document the indicato	r or confirm	the absence o	f indicators.)
Depth Matrix	Redox Features			
(inches) Color (moist) %	Color (moist) % Type	Loc <sup>2</sup>	Texture <sup>3</sup>	Remarks
Ch. (12) and 2	and very an experience to the least t	7		Secretary and a second secretary
	4 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			A STATE OF THE STA
3 X C V V WIRET - 19 C - 19 20 17	T 8001 9 8 0 8 9	_ 38.1	<u>SHOOTHE</u>	<u>) (256,475,415,517 - ) (251),40,2</u>
NWI chasification:	2900	<u> </u>	misch ellerier	yato wife oned teman bot qu
o explain to Remarks )	ntij Deki 📉 ser frae	y to arno sini	yet leading this is	maile / hyddiologic conditions on th
O old Va as Y Stressing *coonstants of the CV	y disturbed? Are "Normal Cur	theolingia		
( sherrest in Reswers yet in	sigen behasog til - Coffsgteld/	o vilcaden	The constructs	otre Nillion Chattatee
Type: C=Concentration, D=Depletion, RM=R	educed Matrix. <sup>2</sup> Location: PL=Po	re Lining, RC	C=Root Channel	M=Matrix
Soil Textures: Clay, Silty Clay, Sandy Clay, L		m, Clay Loan	n, Silty Clay Loa	m, Silt Loam, Silt, Loamy Sand, S
lydric Soil Indicators: (Applicable to all LRRs		- Na.		Problematic Hydric Soils:
Histosol (A1)	Sandy Redox (S5)			ck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)		2 cm Mu	ck (A10) ( <b>LRR B</b> )
Black Histic (A3)	Loamy Mucky Mineral (F1)		Reduced	Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)			ent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)		Other (E	xplain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)			
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	Depleted Dark Surface (F7)  Redox Depressions (F8)			
THICK Dark Surface (A12)				
Sandy Mucky Mineral (S1)			4Indicators of	budsonbutio uppotation and
Sandy Mucky Mineral (S1) Sandy Gleved Matrix (S4)	Vernal Pools (F9)			hydrophytic vegetation and
Sandy Gleyed Matrix (S4)		Absolute		hydrophytic vegetation and ydrology must be present.
Sandy Gleyed Matrix (S4) destrictive Layer (if present):		StulcadA reng 3 kt		
Sandy Gleyed Matrix (S4)  estrictive Layer (if present):  Type:		Absolute	wetland h	ydrology must be present.
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:  Depth (inches):	Vernal Pools (F9)	Absolute	wetland h	ydrology must be present.
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:  Depth (inches):	Vernal Pools (F9)	tules a	wetland h	ydrology must be present.
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:  Depth (inches):	Vernal Pools (F9)	tules a	wetland h	ydrology must be present.
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:  Depth (inches):	Vernal Pools (F9)	tules a	wetland h	ydrology must be present.
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:  Depth (inches):	Vernal Pools (F9)	tules at the a pe	wetland h	ydrology must be present.
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type: Depth (inches):  Remarks: No true sort of the rup rap. Unable to	Vernal Pools (F9)	tules a	Hydric Soil P	resent? Yes No V
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:  Depth (inches):  Remarks:  No true sort of the rup rap. Unable to TOROLOGY  Wetland Hydrology Indicators:	development. The sample soil wir	tules a	Hydric Soil P	resent? Yes No V
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:  Depth (inches):  Remarks:  No true sort  The rup rap. Unable to  TOROLOGY  Wetland Hydrology Indicators:  rimary Indicators (any one indicator is sufficient	Vernal Pools (F9)  development. The sample soil wir	tules a	Hydric Soil P	resent? Yes No (Varing many Indicators (2 or more required) were Marks (B1) (Riverine)
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:  Depth (inches):  Remarks:  No true sort  TOROLOGY  Vetland Hydrology Indicators:  rimary Indicators (any one indicator is sufficiently Surface Water (A1)	Vernal Pools (F9)  development. The sample soil wir	tules a	Hydric Soil P  ere grow  Second:  Wat	resent? Yes No (V)  rang un and and  rany Indicators (2 or more required)  rer Marks (B1) (Riverine)  riment Deposits (B2) (Riverine)
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type: Depth (inches):  Remarks:  Wo true soul of the rup rap. Unable to the rup rap. Unable to the rup rap.  Wetland Hydrology Indicators:  Trimary Indicators (any one indicator is sufficient Surface Water (A1)  High Water Table (A2)	Vernal Pools (F9)  Levelopment. The sample soil with	tules a	Wetland h	resent? Yes No (Varug un and and and and Indicators (2 or more required) ter Marks (B1) (Riverine) ter Deposits (B2) (Riverine) te Deposits (B3) (Riverine)
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type: Depth (inches):  Remarks:  Wo true soul of the rup rap. Unable to the rup rap. Unable to the rup rap.  Wetland Hydrology Indicators:  Irimary Indicators (any one indicator is sufficient to surface Water (A1)  High Water Table (A2)  Saturation (A3)	Vernal Pools (F9)  Sevelopment. The sample soil with with the sample soil with the sample soi	tules at the a per	Wetland h	resent? Yes No (Varung Au and
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:  Depth (inches):  Remarks:  No true soul of the rup rap. Unable to  POROLOGY  Vetland Hydrology Indicators:  Irimary Indicators (any one indicator is sufficiently Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)	Vernal Pools (F9)  Sale Velopment. The sample soil with with the sample soil with the sample		wetland h	resent? Yes No (Varung Mu and
Sandy Gleyed Matrix (S4)  Lestrictive Layer (if present):  Type:  Depth (inches):  Lemarks:  No true soul of the represent of the represent of the represent of the representation of the representati	Sample Soil with Sample	g Living Root	Second:  Second:  Second:  Drift Dra Dry S (C3)	resent? Yes No (Varung Mary Indicators (2 or more required) for Marks (B1) (Riverine) filment Deposits (B2) (Riverine) fit Deposits (B3) (Riverine) finage Patterns (B10) Season Water Table (C2) fin Muck Surface (C7)
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:  Depth (inches):  Remarks:  No true soul of the trap rap. Unable to the trap rap. Unable to the trap indicators:  Remarks:  Wetland Hydrology Indicators:  rimary Indicators (any one indicator is sufficiently 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 Presence of Reduced Iron (C	g Living Root C4)	Seconda Second	resent? Yes No (Varung Mary Indicators (2 or more required) for Marks (B1) (Riverine) filment Deposits (B2) (Riverine) fil Deposits (B3) (Riverine) filmage Patterns (B10)
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:  Depth (inches):  Remarks:  No true soul of the represent to the represent to the represent to the representation of the representati	Sample Soil with Sample	g Living Root C4)	Seconda Second	resent? Yes No (Varung Mary Indicators (2 or more required) for Marks (B1) (Riverine) filment Deposits (B2) (Riverine) fit Deposits (B3) (Riverine) finage Patterns (B10) Season Water Table (C2) fin Muck Surface (C7)

US Army Corps of Engineers

(includes capillary fringe)

Water Table Present?

Saturation Present?

Remarks:

Yes (

No C

No (

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Yes (

Depth (inches):

Depth (inches):

No C

Wetland Hydrology Present? Yes

Project/Site: 2 Gates/Connection Slough	City/County: Bacon Isla	and, San Joaquin	Sampling Date: 9/	9/08
Applicant/Owner: Contra Costa Water District	engl de	State: CA	Sampling Point:	29B
	Section, Township, Ran	ge: T2N	RYE Sec	22
_andform (hillslope, terrace, etc.): levee / hillslope	Local relief (concave, co	onvex, none): Con	Slope Slope	e (%): 5-16
Subregion (LRR): C - Mediterranean California Lat:	3800'8.6"	Long: 121° 31	1 29" Datum	n: NAD 83
Soil Map Unit Name: Itano silty clay, paritally drained, 0-2% slo		NWI classif	fication:	
Are climatic / hydrologic conditions on the site typical for this time of ye		(If no, explain in	Remarks.)	
		Normal Circumstances	" present? Yes	No C
are vegetation.	The state of the s	eded, explain any answ		
The vegetation				tures etc
SUMMARY OF FINDINGS - Attach site map showing	sampling point to	cations, transect	5, important rea	tures, etc.
Hydrophytic Vegetation Present? Yes No	sal vinas mani yali y			Maria District
Hydric Soil Present? Yes No 🗸	Is the Sampled	Area	/	
Wetland Hydrology Present? Yes No (V	within a Wetlan	d? Yes	No ®	
Remarks: No true soil development	, see remari	les for soil	's section	1 .
Rod-Persell Material (3F2)	(ST) which beyout y			Inches
Other Explain in Nacional		MARKA MARKA	(a real) teleproperty	Edding ( )
VEGETATION	of Day Surpos (FT)	Mason File		
Absolute	Dominant Indicator	Dominance Test wo	orksheet:	anklastange.
Tree Stratum (Use scientific names.) % Cover	Species? Status	Number of Dominant		(A)
1. Theore so take vooleton interes		That Are OBL, FACV	V, or FAC:	(//
2		Total Number of Don		(B)
3.		Species Across All S	Strata: 2-0	, (D)
Total Cover: %	,	Percent of Dominant That Are OBL, FACV		% (A/B)
Total Cover: % Sapling/Shrub Stratum		Particular designation of the		70 (* = 7
1.	<u>and dishert Shirts</u>	Prevalence Index w		
2.		Total % Cover o	of: Multiply x 1 =	<u>y by:</u>
3.		OBL species FACW species	x 2 =	0
4. (2) 11 11 11 11 11 11 11 11 11 11 11 11 11		FAC species	x3=	0
5Total Cover: %	, and the same	FACU species	x 4 =	0
Total Cover: % Herb Stratum	(23 63) (3890) (	UPL species	x 5 =	0
1. artemesia douglasiana 50	y FACW	Column Totals:	(A)	0 (B)
2. Coviduus prenocephalus 25	Y NL			
3. Hirachlodia incana 10		Prevalence Inc		
4.		Hydrophytic Veget		
5.	Zodnik vestil el edelevite s	Dominance Tes  Prevalence Inde		
6.		0.000	Adaptations <sup>1</sup> (Provide	supporting
7		data in Rema	arks or on a separate	sheet)
8.	th Amelical M	Problematic Hye	drophytic Vegetation <sup>1</sup>	(Explain)
Total Cover: 9	<b>6</b>	COST CIA D		
1.			soil and wetland hy	drology must
2. Gustinya il produce	aunienu karagilia.	be present.	ILL MESTER BEET AND	Type I editokai
Total Cover: 9	%	Hydrophytic Vegetation		/
% Bare Ground in Herb Stratum /5 % % Cover of Biotic	: Crust %	Present?	Yes O No (	1
Remarks:	1162	170		
				I was supported to the support

(inches) Color (moist)		Features	1 - 3	3	ushore nonzanio a samo ?
	% Color (moist)	% Type <sup>1</sup>	Loc <sup>2</sup>	Texture <sup>3</sup>	Remarks
	Ha, Range: T2 LJ	Section, Townsh			sgator(s): T. Mahony, A. Richey
202 V Slope (%) 47	cave, convex, none): 7,254	rigo) fellet (cor.i	الداديد	JA!	orm (hillstope, ten ace, etc.) $\sqrt{c}B\pi^{\prime}c$
/ O.Q * Datum: NAD 83					gion (URR): C - Madicemanean Calif
effication*	anin fittis		. Mr. B. L.		Constitution of the second first and
/ administration	And the same of th		ECC1-18 (808)	INSTRUMENT	BEG VEID VIEW CREEK ANDERS FOR VEID
Landings in	(If no, explain)	70 897 1188Y	to sens sen a	ol repiditi e	amabe i nydrologie conditions on my sib
ss" present? Yes (V No C	Are "Normal Circumstance	Spectadae vit	neofingia	YES	egetation   Soil   or Hydrok
sweet in Romarks.)	(If needed, supplies any are	problematic?	ylender	TT von	
oto new time? Landaniani nic					ARMA SOMETIMES OF VENE
Type: C=Concentration, D=Depletion		<sup>2</sup> Location: PL=Pore	Lining, RC=	Root Char	nnel, M=Matrix.
Soil Textures: Clay, Silty Clay, Sand	dy Clay, Loam, Sandy Clay I	Loam, Sandy Loam	, Clay Loam,	Silty Clay	Loam, Silt Loam, Silt, Loamy Sand, Sa
lydric Soil Indicators: (Applicable to					s for Problematic Hydric Soils:
Histosol (A1)	Sandy Redox	THE RESIDENCE OF THE PARTY OF T			Muck (A9) (LRR C)
Histic Epipedon (A2) Black Histic (A3)	Stripped Ma	' '			Muck (A10) (LRR B)
Hydrogen Sulfide (A4)		ky Mineral (F1) ed Matrix (F2)			Iced Vertic (F18)
Stratified Layers (A5) (LRR C)	Depleted Ma				Parent Material (TF2)
1 cm Muck (A9) (LRR D)		Surface (F6)		U Othe	r (Explain in Remarks)
Depleted Below Dark Surface (A		rk Surface (F7)			
Thick Dark Surface (A12)	Redox Depre				
Sandy Mucky Mineral (S1)	Vernal Pools	s (F9)		<sup>4</sup> Indicator	s of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)	That Are Old PAG			wetlan	d hydrology must be present.
Restrictive Layer (if present):					
Type:	BA manual privarial				
Depth (inches):				Hydric So	il Present? Yes No
the level. No	true sorts a	levelopmen	T.		
POROLOGY					
	Separation 180				
/DROLOGY Vetland Hydrology Indicators:	is sufficient)			Seco	ondary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indicator				Seco	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
POROLOGY  Vetland Hydrology Indicators:  rimary Indicators (any one indicator  Surface Water (A1)	Salt Crust (	B11)	1800	Seco	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
YDROLOGY Vetland Hydrology Indicators: rimary Indicators (any one indicator Surface Water (A1) High Water Table (A2)	Salt Crust ( Biotic Crust	B11) (B12)	18V0.	Seco	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Vetland Hydrology Indicators: rimary Indicators (any one indicator Surface Water (A1) High Water Table (A2) Saturation (A3)	Salt Crust ( Biotic Crust Aquatic Inve	B11) t (B12) ertebrates (B13)	nevos	Second Se	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Vetland Hydrology Indicators: rimary Indicators (any one indicator  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)	Salt Crust ( Biotic Crust Aquatic Inv.	B11) t (B12) ertebrates (B13) Sulfide Odor (C1)	nevos	Second Se	ondary 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)
Vetland Hydrology Indicators: rimary Indicators (any one indicator  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonrive	Salt Crust ( Biotic Crust Aquatic Invi Hydrogen S erine) Oxidized RI	B11) (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along I	_iving Roots (	Second   Sec	ondary 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)
Vetland Hydrology Indicators: rimary Indicators (any one indicator  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)	Salt Crust ( Biotic Crust Aquatic Invo Hydrogen S erine) Oxidized RI Presence o	B11) (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4	Living Roots (	Seccion   1   1   1   1   1   1   1   1   1	ondary 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)
Vetland Hydrology Indicators: rimary Indicators (any one indicator  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 ( Biotic Crust Aquatic Invo Hydrogen S erine) Oxidized Ri Presence o Recent Iron	B11) t (B12) ertebrates (B13) Gulfide Odor (C1) hizospheres along I f Reduced Iron (C4) Reduction in Plow	Living Roots (	Seccion (C3) [ ]	ondary 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 (C5)
Vetland Hydrology Indicators: rimary Indicators (any one indicator  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)	Salt Crust ( Biotic Crust Aquatic Invo Hydrogen S erine) Oxidized Ri Presence o Recent Iron	B11) (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4	Living Roots (	Seccion (C3)	ondary 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 (C8) Shallow Aquitard (D3)
Vetland Hydrology Indicators: rimary Indicators (any one indicator  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 Imag	Salt Crust ( Biotic Crust Aquatic Invo Hydrogen S erine) Oxidized Ri Presence o Recent Iron	B11) t (B12) ertebrates (B13) Gulfide Odor (C1) hizospheres along I f Reduced Iron (C4) Reduction in Plow	Living Roots (	Seccion (C3)	ondary 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 (C5)
Vetland Hydrology Indicators: rimary Indicators (any one indicator  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 Imag  Water-Stained Leaves (B9)	Salt Crust ( Biotic Crust ( Aquatic Inv. Hydrogen S erine) Oxidized RI Presence o Recent Iron gery (B7) Other (Expl	B11)  (B12) ertebrates (B13) Sulfide Odor (C1) hizospheres along I f Reduced Iron (C4 Reduction in Plowain in Remarks)	Living Roots (	Seccion (C3)	ondary 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 (C8) Shallow Aquitard (D3)
Vetland Hydrology Indicators: rimary Indicators (any one indicator  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 Imag  Water-Stained Leaves (B9)  ield Observations:  urface Water Present?  Yes (	Salt Crust ( Biotic Crust Aquatic Invi Hydrogen S erine) Oxidized RI Presence o Recent Iron Other (Expl	B11) (B12) ertebrates (B13) Gulfide Odor (C1) hizospheres along I f Reduced Iron (C4) Reduction in Plowain in Remarks)	Living Roots ( ) ed Soils (C6)	Seccion (C3)	ondary 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 (C8) Shallow Aquitard (D3)
Vetland Hydrology Indicators: rimary Indicators (any one indicator  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 Imag  Water-Stained Leaves (B9)  ield Observations:  urface Water Present?  //ater Table Present?  Yes (	Salt Crust ( Biotic Crust ( Aquatic Inv. Hydrogen Serine) Oxidized RI Presence o Recent Iron Other (Expl	B11) (B12) ertebrates (B13) Gulfide Odor (C1) hizospheres along I f Reduced Iron (C4 Reduction in Plow ain in Remarks) hes):	Living Roots ( ) ed Soils (C6)	Second (C3) (C3) (C3) (C3) (C3) (C3) (C3) (C3)	ondary 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 (C8) Shallow Aquitard (D3)
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Vetland Hydrology Indicators: rimary Indicators (any one indicator  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 Imag  Water-Stained Leaves (B9)  ield Observations:  urface Water Present?  //ater Table Present?  yes ( aturation Present?  rocludes capillary fringe)	Salt Crust ( Biotic Crust ( Aquatic Inv. Hydrogen S erine) Oxidized RI Presence o Recent Iron Other (Expl	B11) I (B12) Pertebrates (B13) Sulfide Odor (C1) Phizospheres along I If Reduced Iron (C4) Reduction in Plow ain in Remarks)  Thes): Thes):	Living Roots ( ) ed Soils (C6)	Secondary (C3)	ondary 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 (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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Vetland Hydrology Indicators: rimary Indicators (any one indicator  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 Imag  Water-Stained Leaves (B9)  ield Observations:  urface Water Present? Yes ( vater Table Present? Yes ( vat	Salt Crust ( Biotic Crust ( Aquatic Invited Hydrogen Serine) Oxidized Ri Presence of Recent Iron Other (Expl No Depth (incl No Depth (incl Depth (incl ge, monitoring well, aerial pi	B11) ( (B12) ertebrates (B13) Gulfide Odor (C1) hizospheres along I f Reduced Iron (C4 Reduction in Plow ain in Remarks) hes): hes): hotos, previous insp	Living Roots ( ) ed Soils (C6)  Wetland pections), if a	Secondary (C3)	ondary 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 (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Vetland Hydrology Indicators: rimary Indicators (any one indicator  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 Imag  Water-Stained Leaves (B9)  ield Observations:  urface Water Present? Yes ( vater Table Present? Yes ( vat	Salt Crust ( Biotic Crust ( Aquatic Inv. Hydrogen S erine) Oxidized RI Presence o Recent Iron Other (Expl	B11) ( (B12) ertebrates (B13) Gulfide Odor (C1) hizospheres along I f Reduced Iron (C4 Reduction in Plow ain in Remarks) hes): hes): hotos, previous insp	Living Roots ( ) ed Soils (C6)  Wetland pections), if a	Secondary (C3)	ondary 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 (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)