Project/Site: Clinton Keuth Ext		City/Cour	nty: Rw.	6. Sampling Date: 8/9/13
Applicant/Owner: (CCTD				State: CA Sampling Point: SP- 10
Investigator(s): 2ade West, Marisa Flo	3 CE 8	Section,	Township, Ra	ange:
Landform (hillslope, terrace, etc.): 💆 🕜 🗷		Local reli	ief (concave,	convex, none): Slope (%): < 2
Subregion (LRR):	Lat:			Long: Datum:
Soil Map Unit Name:				
Are climatic / hydrologic conditions on the site typical for th				(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology				"Normal Circumstances" present? Yes No
Are Vegetation $N$ , Soil $N$ , or Hydrology $N$	naturally pro	oblematic?	(If n	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	sampli	ng point l	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X	lo	1.	41 0 1	
Hydric Soil Present? Yes N	10 <u>X</u>	7777557	the Sampled	nd? Yes No X
Wetland Hydrology Present? Yes X	lo		tiiii a vvetia	ild: TesNo/:_
Remarks:				,
VEGETATION – Use scientific names of plan				1 =
Tree Stratum (Plot size: 30')	Absolute % Cover		nt Indicator ? Status	Dominance Test worksheet:
	25	1		Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2. Tamarix minosissma				Total Number of Dominant
3				Species Across All Strata:(B)
4	40	- Total C		Percent of Dominant Species (210)
Sapling/Shrub Stratum (Plot size:)				That Are OBL, FACW, or FAC: 47 = 86% (A/B)
1. Bacharis salicifolia 2. Tamarix ramosissima	20	_ <del>/</del> _	FAC	Prevalence Index worksheet:
				Total % Cover of: Multiply by:
3				OBL species x 1 =
4.       5.				FACW species x 2 = FAC species x 3 =
, and the same of	25	= Total C	over	FACU species x 4 =
Herb Stratum (Plot size: 5	25	7	+ Anni	UPL species x 5 =
1. Juneus Mexicanus	<u>مح</u> عد	7	FACW FACW	Column Totals: (A) (B)
2. Polypogan monspellensis 3. Ambrosia prilostachy	10	N	*ACU	Prevalence Index = B/A =
4. Hirsch feldia incana	4/0	7	UPL	Hydrophytic Vegetation Indicators:
5				∑ Dominance Test is >50%
6	_			Prevalence Index is ≤3.0¹
7		-		Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8	100	= Total C	over	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)			0101	
1		a <del>- 727</del>		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2	//2 <u></u> -	= Total C		Hydrophytic
W David Country limited to the transport		) ///		Vegetation
% Bare Ground in Herb Stratum % Cover Remarks:	of Biotic Cr	ust		Present? Yes X No
nomans.				***

Sampling	Point: 50-10	
Sampling	FOIRL FO	

Profile Descri	ption: (Describe	to the deptr	needed to docum	nent the ir	idicator o	r confirm	n the absence of inc	ilcators.)
Depth _	Matrix	<del>%</del>	Redo Color (moist)	x Features %	Type <sup>1</sup>	Loc2	Texture	Remarks
(inches)	Color (moist)		Color (moist)		Type	LUC		Remarks
0-04	10YR 2/2	100					sndy Im	
· · · · · · · · · · · · · · · · · · ·	100							
							*	
-	30-30-0		00000000					
				<del></del> .			2	
			Reduced Matrix, CS			Sand Gr		PL=Pore Lining, M=Matrix.
		able to all L	RRs, unless other		a.)			roblematic Hydric Soils <sup>3</sup> :
Histosol (A			Sandy Redo				1 cm Muck (	
The state of the s	pedon (A2)		Stripped Ma		/E4\			A10) (LRR B)
Black Hist	The Manual Orange was a second		Loamy Muc				Reduced Ve	
	Sulfide (A4)	•1	Loamy Gley Depleted M		(1.2)			Material (TF2) in in Remarks)
	Layers (A5) ( <b>LRR (</b> k (A9) ( <b>LRR D</b> )	•)	Redox Dark		-6)		Carlet (Expla	iii ii Nellaiks)
	R (A9) (LRR D) Below Dark Surfac	e (A11)	Depleted Da	*	17.0		*1	
	k Surface (A12)	- ( )	Redox Depi				3Indicators of hvo	rophytic vegetation and
	cky Mineral (S1)		Vernal Pool		sro <b>4</b> )		reaction and the second	logy must be present,
	eyed Matrix (S4)							ed or problematic.
	yer (if present):							
Type:			×					
Depth (inch	nes):						Hydric Soil Pres	ent? Yes No
	5 555				. 1		The second of th	
remarks.	1.1110 0	med ly	LICHTONS	MASKN	M.			
No	MAGRICA	Dans 1.	dicolous	1.00				
HYDROLOG	Υ							
Wetland Hydr	ology Indicators:	1.000		2.3	9			
Primary Indica	tors (minimum of o	ne required;	check all that appl	y)			Secondary	ndicators (2 or more required)
Surface W	/ater (A1)		Salt Crust	(B11)			Water I	Marks (B1) (Riverine)
1	er Table (A2)		Biotic Crus					ent Deposits (B2) (Riverine)
Saturation			Aquatic In		(B13)			posits (B3) (Riverine)
11.2	rks (B1) (Nonriver	ine)	Hydrogen					ge Patterns (B10)
No. of the state o	Deposits (B2) (No		Oxidized F			ivina Roc		ason Water Table (C2)
	sits (B3) (Nonrive		Presence			2550	The part of the pa	h Burrows (C8)
	oil Cracks (B6)	· · · · · ·	Recent Iro					ion Visible on Aerial Imagery (C9)
n		mageny (R7)				00.00 (00		Aquitard (D3)
Inundation	I VISIDIE UII ACIIALI	mayery (Dr)		66.50				eutral Test (D5)
Inundation								suliai 163l (D3)
Water-Sta	ined Leaves (B9)		Other (Exp	naiii iii ikei				
Water-Sta	ined Leaves (B9)							*
Water-Sta Field Observa Surface Water	ations: Present? Y	es N	o V Depth (in	ches):		-2-5		
Water-Sta	ined Leaves (B9) ations: Present? Y	es N	o V Depth (in	ches):		_		
Water-Sta Field Observa Surface Water Water Table P Saturation Pre	ined Leaves (B9) ations: Present? Y resent? Y sent? Y		o V Depth (in	ches):		_	land Hydrology Pres	sent? Yes No
Water-Sta Field Observa Surface Water Water Table P Saturation Pre (includes capil	ations: Present? Y resent? y sent? Y lary fringe)	es N es N	o Depth (in Depth (in Depth (in	ches): ches): ches):		_ _ Wetl	land Hydrology Pre	sent? Yes No
Water-Sta Field Observa Surface Water Water Table P Saturation Pre (includes capil	ations: Present? Y resent? y sent? Y lary fringe)	es N es N	o V Depth (in	ches): ches): ches):		_ _ Wetl	land Hydrology Pre	sent? Yes No
Water-Sta Field Observa Surface Water Water Table P Saturation Pre (includes capil Describe Reco	ations: Present? Y resent? y sent? Y lary fringe)	es N es N	o Depth (in Depth (in Depth (in	ches): ches): ches):		_ _ Wetl	land Hydrology Pre	sent? Yes No
Water-Sta Field Observa Surface Water Water Table P Saturation Pre (includes capil	ations: Present? Y resent? y sent? Y lary fringe)	es N es N	o Depth (in Depth (in Depth (in	ches): ches): ches):		_ _ Wetl	land Hydrology Pre	sent? Yes No
Water-Sta Field Observa Surface Water Water Table P Saturation Pre (includes capil Describe Reco	ations: Present? Y resent? y sent? Y lary fringe)	es N es N	o Depth (in Depth (in Depth (in	ches): ches): ches):		_ _ Wetl	land Hydrology Pre	sent? Yes No
Water-Sta Field Observa Surface Water Water Table P Saturation Pre (includes capil Describe Reco	ations: Present? Y resent? y sent? Y lary fringe)	es N es N	o Depth (in Depth (in Depth (in	ches): ches): ches):		_ _ Wetl	land Hydrology Pre	sent? Yes No
Water-Sta Field Observa Surface Water Water Table P Saturation Pre (includes capil Describe Reco	ations: Present? Y resent? y sent? Y lary fringe)	es N es N	o Depth (in Depth (in Depth (in	ches): ches): ches):		_ _ Wetl	land Hydrology Pre	sent? Yes No
Water-Sta Field Observa Surface Water Water Table P Saturation Pre (includes capil Describe Reco	ations: Present? Y resent? y sent? Y lary fringe)	es N es N	o Depth (in Depth (in Depth (in	ches): ches): ches):		_ _ Wetl	land Hydrology Pre	sent? Yes No

Project/Site: Clipton Kerth Ext	C	ity/County	. 81	O (A) Sampling Date: 8/9/12
Applicant/Owner: RCTD				State: A Sampling Point: Sp - I
Investigator(s): Marisa Proces 2ade	west s	Section. To	wnship Rai	nge:
Landform (hillslope, terrace, etc.): bank of chan	nel L	ocal relie	f (concave.	convex, none); 1/10Al Slope (%); 2
Subregion (LRR):	Lat:			Long: Datum:
Soil Map Unit Name:				
Are climatic / hydrologic conditions on the site typical for thi	s time of year	r? Yes V	No	(If no, explain in Remarks.)
Are Vegetation $\lambda$ , Soil $\lambda$ , or Hydrology $\lambda$				Normal Circumstances" present? Yes No
Are Vegetation N, Soil N, or Hydrology N r	naturally prob	lematic?	(If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing s	samplin	g point le	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes N	lo	T	952	
Hydric Soil Present? Yes N	10 /		e Sampled	
Wetland Hydrology Present? Yes N		With	in a Wetlan	nd? Yes No
Remarks:	3000			
VEGETATION - Use scientific names of plan	ts.			
Tree Stratum (Plot size: $30$ )	Absolute % Cover		Indicator	Dominance Test worksheet:
1. Salar lasiologis	15	Y	FILW	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	(>_=	= Total Co	ver	That Are OBL, FACW, or FAC:
1. Backbaris edicifolia		1	FAC	Prevalence Index worksheet:
2. Baccharis enlorgi		Y	FACM	Total % Cover of: Multiply by:
3				OBL species x 1 =
4 5.			<u></u>	FACW species x 2 = FAC species x 3 =
	60	= Total Co	ver	FACU species x 4 =
Herb Stratum (Plot size: 5	30	7	TANIL	UPL species x 5 =
1. Junius west runar	- <u>50</u> -		FACW FACW	Column Totals: (A) (B)
3. Conjum maculation		N	FACW	Prevalence Index = B/A =
4. Heliotopium curvasicum	5	N	FACU	Hydrophytic Vegetation Indicators:
5. Anamopsis californica	20	1	OBL	★ 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	100	Total Co	ver	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size: 30 )		Total Oo	VCI	
1				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2		Total Ca		Hydrophytic
% Bare Ground in Herb Stratum 20 % Cover	of Biotic Cru	Total Co	ver	Vegetation
Remarks:	or blotte of the			Present?
1 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (			13	w .
1.0				
	000000000000000000000000000000000000000		Water Services	

US Army Corps of Engineers

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Sampling Point: SP-11

Profile Description: (Describe to the dep	th needed to document the indicator or co	onfirm the absence of indicators.)
Depth Matrix	Redox Features	<del>-</del>
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup> Lo	oc <sup>2</sup> Texture Remarks
0-16 104 R3/2 100		Sndy lan
		<del></del>
<sup>1</sup> Type: C=Concentration, D=Depletion, RM	=Reduced Matrix, CS=Covered or Coated Sa	
Hydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	Standischause of the developing of the standard
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present, unless disturbed or problematic.
Sandy Gleyed Matrix (S4)		unless disturbed of problematic.
Restrictive Layer (if present):		We.
Туре:		
Depth (inches):		Hydric Soil Present? Yes No
Remarks: Shovel refusal @	16" due to large cob	ble
THE WALL OF THE WALL CO	. 0.00	
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one require	d; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Salt Crust (B11)	Water Marks (B1) (Riverine)
High Water Table (A2)	Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along Living	ng Roots (C3) Dry-Season Water Table (C2)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled So	ils (C6) Saturation Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	FAC-Neutral Test (D5)
Field Observations:		
	9	2
Curfore Motor Property Voc	No 1/ Denth (inches):	
	No Depth (inches):	n
Water Table Present? Yes	No Depth (inches):	
Water Table Present? Yes Saturation Present? Yes	No Depth (inches):	Wetland Hydrology Present? Yes No
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	No Depth (inches):  No Depth (inches):	
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	No Depth (inches):	
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)  Describe Recorded Data (stream gauge, m	No Depth (inches):  No Depth (inches):	
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	No Depth (inches): No Depth (inches):	
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)  Describe Recorded Data (stream gauge, m	No Depth (inches): No Depth (inches):	
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)  Describe Recorded Data (stream gauge, m	No Depth (inches): No Depth (inches):	
Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)  Describe Recorded Data (stream gauge, m	No Depth (inches): No Depth (inches):	

Project/Site: Clinton Keuth	City/	County: _ RIV	.Co Sampling Date: S - 9 - 13
Applicant/Owner: PCTD			State: 0A Demail Did SO 12
Investigator(s): Zack West Marisa	Clores Sec	tion, Township, Ra	ange:
Landform (hillslope, terrace, etc.): terrace of main	channel Loc	al relief (concave,	convex, none): None Slope (%): Z
Subregion (LRR):			
Soil Map Unit Name:			
Are climatic / hydrologic conditions on the site typical for thi			ACCEPT OF CONTRACTOR OF CONTRA
Are Vegetation N, Soil N, or Hydrology			
Are Vegetation N, Soil N, or Hydrology	naturally problen		eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map		VIII 200 100 100 100 100 100 100 100 100 100	
			1
	lo lo	Is the Sample	./
	lo	within a Wetla	nd? YesNo
Remarks:			
VEGETATION – Use scientific names of plan	ite		
	ansonous Section 1	minant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30	% Cover Spe	ecies? Status	Number of Dominant Species
0 0	_55	Y FACW	That Are OBL, FACW, or FAC:(A)
Z			Total Number of Dominant
3		<del></del>	Species Across All Strata: (B)
4.	_55_ = To	otal Cover	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: 10,		VI.	That Are OBL, FACW, or FAC: \\\ \(\sigma \) (A/B)
1. Artemisia douglasiana	25_	Y FAC	Prevalence Index worksheet:
2. Barcharis galicifolia		Y FAC	Total % Cover of: Multiply by:
3. CONIUM maculatum		N FACW	OBL species x 1 =
4 5.	-		FACW species x 2 = FAC species x 3 =
	75 = To	otal Cover	FACU species x 4 =
Herb Stratum (Plot size:)			UPL species x 5 =
1. Anamopsis Calfornica	45	V OBL	Column Totals: (A) (B)
2. Con iun maculatum			Provolence Index D/A -
3			Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:
5.			✓ Dominance Test is >50%
6.			Prevalence Index is ≤3.0¹
7			Morphological Adaptations¹ (Provide supporting
8			data in Remarks or on a separate sheet)
W	<u>50</u> = To	otal Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size: 名る '			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1			be present, unless disturbed or problematic.
	0 = To	otal Cover	Hydrophytic
% Bare Ground in Herb Stratum % Cover	of Biotic Crust _	a)	Vegetation
	or Diolic Glust _	<del></del>	Present? Yes No
Remarks: 50% bag letter		51	
,			
,			

	0	10
Sampling Point:	>4.	12

#### SOIL

Profile Description: (Describe to the depth needed to document the indicator or con	ntirm the absence of indicators.)
Depth Matrix Redox Features	<del>3 -</del>
(inches) Color (moist) % Color (moist) % Type <sup>1</sup> Loc	5 7 .
0-8 2.5 4 3/2 100	Invsand
8-12 2.5 × 3/2 93 5 × R3/4 7 C M	Sandy In
12-14 2,54 3/2 100	- 51
	<del></del>
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sar	d Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2) Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3) Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C) Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)  — Vernal Pools (F9)	wetland hydrology must be present,
Sandy Macky Millerat (61)  Sandy Gleyed Matrix (S4)	unless disturbed or problematic.
Restrictive Layer (if present):	
Type:	
Depth (inches):	Hydric Soil Present? Yes No
Remarks:	
Tomarko.	
e "	
	•
HYDROLOGY	
HYDROLOGY  Wetland Hydrology Indicators:	
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators:	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1) Salt Crust (B11)	<ul><li>Water Marks (B1) (Riverine)</li><li>Sediment Deposits (B2) (Riverine)</li><li>✓ Drift Deposits (B3) (Riverine)</li></ul>
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1) High Water Table (A2) Salt Crust (B11) Biotic Crust (B12)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1)	<ul><li>Water Marks (B1) (Riverine)</li><li>Sediment Deposits (B2) (Riverine)</li><li>✓ Drift Deposits (B3) (Riverine)</li></ul>
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1) Salt Crust (B11)  High Water Table (A2) Biotic Crust (B12)  Saturation (A3) Aquatic Invertebrates (B13)  Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1)  Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4)  Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils	Water Marks (B1) (Riverine)     Sediment Deposits (B2) (Riverine)     Drift Deposits (B3) (Riverine)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Crayfish Burrows (C8)     Saturation Visible on Aerial Imagery (C9)
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Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)         Surface Water (A1)       Salt Crust (B11)         High Water Table (A2)       Biotic Crust (B12)         Saturation (A3)       Aquatic Invertebrates (B13)         Water Marks (B1) (Nonriverine)       Hydrogen Sulfide Odor (C1)         Sediment Deposits (B2) (Nonriverine)       Oxidized Rhizospheres along Living         Drift Deposits (B3) (Nonriverine)       Presence of Reduced Iron (C4)         Surface Soil Cracks (B6)       Recent Iron Reduction in Tilled Soil         Inundation Visible on Aerial Imagery (B7)       Thin Muck Surface (C7)         Water-Stained Leaves (B9)       Other (Explain in Remarks)         Field Observations:       Outher (Explain in Remarks)         Surface Water Present?       Yes         No       Depth (inches):         Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)         Surface Water (A1)       Salt Crust (B11)         High Water Table (A2)       Biotic Crust (B12)         Saturation (A3)       Aquatic Invertebrates (B13)         Water Marks (B1) (Nonriverine)       Hydrogen Sulfide Odor (C1)         Sediment Deposits (B2) (Nonriverine)       Oxidized Rhizospheres along Living         Drift Deposits (B3) (Nonriverine)       Presence of Reduced Iron (C4)         Surface Soil Cracks (B6)       Recent Iron Reduction in Tilled Soil         Inundation Visible on Aerial Imagery (B7)       Thin Muck Surface (C7)         Water-Stained Leaves (B9)       Other (Explain in Remarks)         Field Observations:       Depth (inches):         Surface Water Present?       Yes       No       Depth (inches):         Saturation Present?       Yes       No       Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)         Surface Water (A1)       Salt Crust (B11)         High Water Table (A2)       Biotic Crust (B12)         Saturation (A3)       Aquatic Invertebrates (B13)         Water Marks (B1) (Nonriverine)       Dyifide Odor (C1)         Sediment Deposits (B2) (Nonriverine)       Oxidized Rhizospheres along Living         Drift Deposits (B3) (Nonriverine)       Presence of Reduced Iron (C4)         Surface Soil Cracks (B6)       Recent Iron Reduction in Tilled Soil         Inundation Visible on Aerial Imagery (B7)       Thin Muck Surface (C7)         Water-Stained Leaves (B9)       Other (Explain in Remarks)         Field Observations:       Depth (inches):         Surface Water Present?       Yes       No       Depth (inches):         Saturation Present?       Yes       No       Depth (inches):         (includes capillary fringe)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Sturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)         Surface Water (A1)       Salt Crust (B11)         High Water Table (A2)       Biotic Crust (B12)         Saturation (A3)       Aquatic Invertebrates (B13)         Water Marks (B1) (Nonriverine)       Hydrogen Sulfide Odor (C1)         Sediment Deposits (B2) (Nonriverine)       Oxidized Rhizospheres along Living         Drift Deposits (B3) (Nonriverine)       Presence of Reduced Iron (C4)         Surface Soil Cracks (B6)       Recent Iron Reduction in Tilled Soil         Inundation Visible on Aerial Imagery (B7)       Thin Muck Surface (C7)         Water-Stained Leaves (B9)       Other (Explain in Remarks)         Field Observations:       Depth (inches):         Surface Water Present?       Yes       No       Depth (inches):         Saturation Present?       Yes       No       Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Sturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)         Surface Water (A1)       Salt Crust (B11)         High Water Table (A2)       Biotic Crust (B12)         Saturation (A3)       Aquatic Invertebrates (B13)         Water Marks (B1) (Nonriverine)       Hydrogen Sulfide Odor (C1)         Sediment Deposits (B2) (Nonriverine)       Oxidized Rhizospheres along Living         Drift Deposits (B3) (Nonriverine)       Presence of Reduced Iron (C4)         Surface Soil Cracks (B6)       Recent Iron Reduction in Tilled Soil         Inundation Visible on Aerial Imagery (B7)       Thin Muck Surface (C7)         Water-Stained Leaves (B9)       Other (Explain in Remarks)         Field Observations:       Other (Explain in Remarks)         Surface Water Present?       Yes       No       Depth (inches):       Other (inches):         Saturation Present?       Yes	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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Project/Site: Clinton Keuth Ext		City/Cour	nty: Ri	Sampling Date: 8/9/10
Applicant/Owner: RCTD				State: CA Sampling Point: SP - 13
Investigator(s): Zack West Marisa	Flores	Section,	Township, Ra	ange:
Landform (hillslope, terrace, etc.): bank of main	chand	Local rel	lief (concave,	convex, none): Slope (%):
Subregion (LRR):				
Soil Map Unit Name:				
Are climatic / hydrologic conditions on the site typical for the				
Are Vegetation, Soil, or Hydrology				"Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology				eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	sampl		
Hydrophytic Vegetation Present? Yes N	10			
Hydric Soil Present? Yes N	10		the Sampled ithin a Wetla	
Wetland Hydrology Present? Yes N	10	W	itiiii a wetiai	ndr fes No _V
Remarks:				
		10 12 10 12		
VEGETATION - Use scientific names of plan	its.			
Tree Stratum (Plot size: 20')	Absolute		nt Indicator ? Status	Dominance Test worksheet:
1			Status	Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
2.			- 12 W	
3.				Total Number of Dominant Species Across All Strata:  (B)
4				Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: (0)	6_	= Total (	Cover	That Are OBL, FACW, or FAC: 100% (A/B)
1. Backaris salicifolia	100	Y	FAC	Prevalence Index worksheet:
	30	¥	FACW	Total % Cover of: Multiply by:
3.				OBL species x 1 =
4				FACW species x 2 =
5	90	N-40 KI (200		FAC species x 3 =
Herb Stratum (Plot size:)	70_	= Total C	Cover	FACU species x 4 =
1. Consum maculatum	_5	_ N	FACW	UPL species x 5 =
2. Juneus mexicanus	15	Y	FACW	Column Totals: (A) (B)
3. Polypogon monspeliensis	3	N	FACW	Prevalence Index = B/A =
4. Bromus maidr Hensis	_5_	N	UPL	Hydrophytic Vegetation Indicators:
5				✓ Dominance Test is >50%
6				<ul> <li>Prevalence Index is ≤3.0¹</li> <li>Morphological Adaptations¹ (Provide supporting</li> </ul>
7				data in Remarks or on a separate sheet)
·	28	= Total C	Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)				1
1	·			<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2	0	= Total C		Hydrophytic
72				Vegetation
	of Biotic Cr	ust		Present? Yes No
Remarks:			*	
				4

Profile Desc	vintians (Donoriha to	the death a	eeded to document the indicator or	confirm th	a absence of indicators )
D = = 0-	Southern	o the depth n		Commit th	e absence of indicators.)
Depth (inches)	Matrix Color (moist)		Redox Features Color (moist) % Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks
0 - 14	2.5 Y 3/2	100			andy clay Im
14 - 11					i .
7-24	2.5 y 3/2	100 -			andy Im
					-
					21
			Juced Matrix, CS=Covered or Coated s, unless otherwise noted.)		s. <sup>2</sup> Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :
		DIE LO AII LIKK	Sandy Redox (S5)		1 cm Muck (A9) (LRR C)
Histosol Histic En	(A1) pipedon (A2)		Stripped Matrix (S6)		2 cm Muck (A10) (LRR B)
Black Hi		53	Loamy Mucky Mineral (F1)		Reduced Vertic (F18)
 Hydroge	n Sulfide (A4)		Loamy Gleyed Matrix (F2)		Red Parent Material (TF2)
	Layers (A5) (LRR C)	,	Depleted Matrix (F3)		Other (Explain in Remarks)
	ck (A9) (LRR D)		Redox Dark Surface (F6)		
	Below Dark Surface	(A11)	Depleted Dark Surface (F7)		<sup>3</sup> Indicators of hydrophytic vegetation and
	rk Surface (A12) lucky Mineral (S1)	9.5	Redox Depressions (F8) Vernal Pools (F9)		wetland hydrology must be present,
	eleyed Matrix (S4)		verriai i oois (i s)		unless disturbed or problematic.
	ayer (if present):				•
Type:				100	
SEA	\.		*	١.	Hydric Soil Present? Yes No
	ches):		* 1000 S-100		
Remarks:			colors sweet of		
Remarks:			colors prescul		<del></del>
Remarks:			colors present		
Remarks:			coloks prescul		
M	Mquic sc		colors present		
DROLO	Mquic sc		colors present		
/DROLO	or Myric ec	ibni lid			Secondary Indicators (2 or more required)
/DROLO	GY  drology Indicators:	ibni lid			Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
/DROLO /etland Hydrimary Indic Surface	GY drology Indicators: eators (minimum of on	ibni lid	eck all that apply)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
/DROLO /etland Hydrimary Indic Surface	GY  drology Indicators: eators (minimum of on Water (A1) ter Table (A2)	ibni lid	eck all that apply) Salt Crust (B11)		<ul> <li>Water Marks (B1) (Riverine)</li> <li>Sediment Deposits (B2) (Riverine)</li> <li>✓ Drift Deposits (B3) (Riverine)</li> </ul>
PROLO Vetland Hydrimary Indice Surface High Wa Saturatio	GY  drology Indicators: eators (minimum of on Water (A1) ter Table (A2)	e required; ch	eck all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
/DROLO /etland Hyd rimary Indic Surface High Wa Saturatio Water M Sedimer	GY  drology Indicators: eators (minimum of on Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverir at Deposits (B2) (Non	e required; ch	eck all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
rDROLO  Vetland Hydrimary Indice  Surface  High Wa  Saturatic  Water M  Sedimer  Drift Dep	GY drology Indicators: eators (minimum of on Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin th Deposits (B2) (Nonriverin sosits (B3) (Nonriveri	e required; ch	eck all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4)	ving Roots (	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)  C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
/DROLO /etland Hydrimary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep Surface	GY  drology Indicators: eators (minimum of on Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverir to Deposits (B2) (Nonriverir Soil Cracks (B6)	e required; ch	eck all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled	ving Roots (	Water Marks (B1) (Riverine)     Sediment Deposits (B2) (Riverine)     Drift Deposits (B3) (Riverine)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Crayfish Burrows (C8)     Saturation Visible on Aerial Imagery (C9)
POROLO Petland Hydrimary India Surface High Wa Saturatia Water M Sedimer Drift Dep Surface Inundation	GY  drology Indicators: eators (minimum of on Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverin to Deposits (B2) (Nonriveri soil Cracks (B6) on Visible on Aerial Im	e required; ch	eck all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7)	ving Roots (	Water Marks (B1) (Riverine)     Sediment Deposits (B2) (Riverine)     Drift Deposits (B3) (Riverine)     Drainage Patterns (B10) (C3)    Dry-Season Water Table (C2)     Crayfish Burrows (C8)     Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
/DROLO /etland Hydrimary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundatic Water-S	GY  drology Indicators: eators (minimum of on Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B6) on Visible on Aerial Intained Leaves (B9)	e required; ch	eck all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled	ving Roots (	Water Marks (B1) (Riverine)     Sediment Deposits (B2) (Riverine)     Drift Deposits (B3) (Riverine)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Crayfish Burrows (C8)     Saturation Visible on Aerial Imagery (C9)
/DROLO /etland Hydrimary Indice Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundatic Water-Sield Observire	GY  drology Indicators: ators (minimum of on Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Soil Cracks (B6) on Visible on Aerial Intained Leaves (B9) vations:	e required; ch	eck all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks)	ving Roots (	Water Marks (B1) (Riverine)     Sediment Deposits (B2) (Riverine)     Drift Deposits (B3) (Riverine)     Drainage Patterns (B10) (C3)    Dry-Season Water Table (C2)     Crayfish Burrows (C8)     Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
Vetland Hydrimary Indic Surface High Water M Sedimer Drift Dep Surface Inundation Water-Sield Observirance Water	GY  drology Indicators: eators (minimum of on Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverir to Deposits (B2) (Nonriveri Soil Cracks (B6) on Visible on Aerial Im tained Leaves (B9) vations: er Present?  Ye	e required; ch	eck all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks)	ving Roots (	Water Marks (B1) (Riverine)     Sediment Deposits (B2) (Riverine)     Drift Deposits (B3) (Riverine)     Drainage Patterns (B10) (C3)    Dry-Season Water Table (C2)     Crayfish Burrows (C8)     Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
YDROLO Vetland Hyd Primary Indic Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundatic Water-Sield Observ Gurface Water	GY  drology Indicators: eators (minimum of on Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverint Deposits (B2) (Nonriverint Soil Cracks (B6) on Visible on Aerial International Leaves (B9) vations: er Present? Ye Present? Ye	e required; ch	eck all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	ving Roots (Soils (C6)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROLO Vetland Hyderimary Indice Surface High Water M Sedimer Drift Dep Surface Inundation Water-Sirield Observiater Table Staturation Prince	GY  drology Indicators: eators (minimum of on Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B4)) on Visible on Aerial International Leaves (B9) vations: er Present? Present? Ye resent? Ye	e required; ch	eck all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks)	ving Roots (Soils (C6)	Water Marks (B1) (Riverine)     Sediment Deposits (B2) (Riverine)     Drift Deposits (B3) (Riverine)     Drainage Patterns (B10) (C3)    Dry-Season Water Table (C2)     Crayfish Burrows (C8)     Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
/DROLO /etland Hydrimary Indice Surface High Wa Saturatic Water M Sedimer Drift Dep Surface Inundatic Water-Sield Observ urface Water /ater Table aturation Princludes cap	GY  drology Indicators: ators (minimum of on Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Soil Cracks (B6) on Visible on Aerial Intained Leaves (B9) vations: er Present? Ye Present? Ye resent? Ye resent? Ye	e required; channe) ne) nagery (B7) s No _ s No _ s No _	eck all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	ving Roots (Soils (C6)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site: Clinton Kieth EX+		City/Coun	ty:	1. Co Sampling Date: 3/9//3
Applicant/Owner:				State: CA Sampling Point: S0 - 14
Investigator(s): 2ack West 1 Mar	isa Plo	Section, T	ownship, Ra	ange:
Landform (hillslope, terrace, etc.):	el	Local reli	ef (concave.	convex. none): Name: Slope (%):
Subregion (LRR):	Lat:		5 7 W. N. E. SOST TO S. T. 199	Long: Datum:
Soil Map Unit Name: Are climatic / hydrologic conditions on the site typical for thi	s time of ve	ar? Yes	No	(If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology ,	significantly	disturbed?		"Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology r				eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map				
Hydrophytic Vegetation Present? Yes N				
Hydric Soil Present? Yes N			he Sampled hin a Wetla	. /
	o	WIL	iiii a wella	nur resNo
Remarks:				
VEGETATION – Use scientific names of plan	ts.	**		
Tree Stratum (Plot size: 30)	Absolute		t Indicator	Dominance Test worksheet:
1. Salv godingi	% Cover	Species	FACO	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2.				
3				Total Number of Dominant Species Across All Strata:  (B)
4				
10'	55	= Total C	over	Percent of Dominant Species That Are OBL, FACW, or FAC:5 (A/B)
Sapling/Shrub Stratum (Plot size: 10 )  1. Amb vosia psilostachya	40	$\checkmark$	FACU	\ \ /
2. Baccharis Salicifila			FAC	Prevalence Index worksheet:  Total % Cover of: Multiply by:
3.				OBL species
4.				FACW species 55 x2= 110
5				FAC species 30 x3= 90
Herb Stratum (Plot size: 5 \	70	= Total Co	over	FACU species
1. Brancis Madritensis	20	<b>\</b> /	UPL	UPL species $20 \times 5 = 100$
2.				Column Totals: 145 (A) 460 (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	-20			Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size: 7 )	30	= Total Co	over	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
		= Total Co		Hydrophytic
% Bare Ground in Herb Stratum 80 % Cover	of Biotic Cru	ustC	)	Vegetation Present? Yes No
Remarks: Herb nostly leaf little	- 4	3 0		
THE THOUSING WAT WHY	_ V	ల, ఆ		
				-

Sampling Point:	SP-	14
-		

-	-		
c	$\mathbf{a}$		

Depth	Matrix		Redox Fe	atures 1	1 2 -		
(inches)	Color (moist)		Color (moist)	% Type <sup>1</sup>	Loc <sup>2</sup>	exture Remarks	
0-14	Q.5 Y 3/	2 100			- In	ny sand	
	10 mark						
Type: C=C	oncentration, D=D	epletion, RM=	Reduced Matrix, CS=Co	overed or Coate	d Sand Grains	<sup>2</sup> Location: PL=Pore Lining, M=N	fatrix.
			RRs, unless otherwise			ndicators for Problematic Hydric So	
Histosol	(A1)		Sandy Redox (S	•	n-	_ 1 cm Muck (A9) (LRR C)	
	pipedon (A2)		Stripped Matrix		a <del>-</del>	_ 2 cm Muck (A10) (LRR B)	
- Paris and the second	istic (A3)		Loamy Mucky M Loamy Gleyed M		-	Reduced Vertic (F18) Red Parent Material (TF2)	
	en Sulfide (A4) d Layers (A5) ( <b>LR</b> I	R C)	Depleted Matrix		-	Other (Explain in Remarks)	
	uck (A9) (LRR D)	,	Redox Dark Sur		· -		
	d Below Dark Surf	ace (A11)	Depleted Dark S	Surface (F7)	2		
	ark Surface (A12)		Redox Depressi		3	ndicators of hydrophytic vegetation an	d
	Mucky Mineral (S1)		Vernal Pools (F	9)		wetland hydrology must be present, unless disturbed or problematic.	
	Gleyed Matrix (S4)  Layer (if present)					unless disturbed of problematic.	· · · · · · · ·
Type:	large c						/
Depth (in	(1 . 4 )	1,00,000	P				_/
	cnes):				H	dric Soil Present? Yes 1	No
Remarks:		insal (	2 14 " due +	o large	N N		
Remarks:	shovel ref	insal (	2 14 " due +	s large	N N	The state of the s	
YDROLO	shovel ref present		2 14 " due +	s large	N N	The state of the s	
YDROLO Wetland Hy	Shovel ref present.	rs:		s large	N N	No Marie Soil i	ndicu
YDROLO Wetland Hy	GY drology Indicator cators (minimum o	rs:	; check all that apply)		N N	No Marie Soil 1	ndicu
YDROLO Vetland Hy Primary India Surface	GY drology Indicator cators (minimum c Water (A1)	rs:	; check all that apply) Salt Crust (B1	1)	N N	Secondary Indicators (2 or more re  Water Marks (B1) (Riverine)	nd Ci
YDROLO Vetland Hy Primary India Surface High Wa	GY  drology Indicator cators (minimum of Water (A1) ater Table (A2)	rs:	; check all that apply)	1)	N N	Secondary Indicators (2 or more re  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Rive	nd Ci
YDROLO Wetland Hy Primary India Surface High Wa Saturati	GY  drology Indicator cators (minimum of Water (A1) ater Table (A2) on (A3)	rs: f one required	; check all that apply) Salt Crust (B11 Biotic Crust (B	1) 12) ebrates (B13)	N N	Secondary Indicators (2 or more re  Water Marks (B1) (Riverine)	nd Ci
YDROLO Wetland Hy Primary India Surface High Wa Saturati Water M	GY  drology Indicator cators (minimum of Water (A1) ater Table (A2)	rs: f one required rerine)	; check all that apply)  Salt Crust (B11 Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo	1) 12) brates (B13) ide Odor (C1) ospheres along	Living Roots (C	Secondary Indicators (2 or more re Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)	no chi
YDROLO Wetland Hy Primary India Surface High Wa Saturati Water M Sedimei	GY  drology Indicator cators (minimum of Water (A1) ater Table (A2) on (A3) flarks (B1) (Nonriv	rs: f one required rerine) Nonriverine)	; check all that apply)  Salt Crust (B1  Biotic Crust (B  Aquatic Inverte  Hydrogen Sulfi	1) 12) brates (B13) ide Odor (C1) ospheres along	Living Roots (C	Secondary Indicators (2 or more rewards (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)	nd Chi
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YDROLO  Wetland Hy  Primary India  Surface  High Wa  Saturati  Water M  Sedimer  Drift Der  Surface  Inundati  Water-S  Field Obser	GY  drology Indicator cators (minimum of water (A1) ater Table (A2) on (A3) darks (B1) (Nonriv nt Deposits (B2) (Nonriv Soil Cracks (B6) on Visible on Aeric stained Leaves (B5) vations:	rs: f one required verine) Nonriverine) verine) al Imagery (B7	Salt Crust (B11 Salt Crust (B11 Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Ro Recent Iron Ro Thin Muck Sur Other (Explain	l) 12) behates (B13) de Odor (C1) behates along educed Iron (C4 eduction in Tille face (C7) in Remarks)	Living Roots (C	Secondary Indicators (2 or more re Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Crayfish Burrows (C8) Saturation Visible on Aerial Im Shallow Aquitard (D3)	nd Chi
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YDROLO Wetland Hy Primary India Surface High Wa Saturati Water N Sedimen Drift Del Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes cal	drology Indicator cators (minimum of water (A1) ater Table (A2) on (A3) darks (B1) (Nonrivent Deposits (B3) (Nonrivent Deposits (B3) (Nonrivent Deposits (B6) on Visible on Aeristained Leaves (B5) vations:  er Present?  Present?  resent?	rerine) Nonriverine) verine) al Imagery (B7 ))  Yes N Yes N	Salt Crust (B11 Salt Crust (B11 Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Ro Recent Iron Ro Recent Iron Ro Thin Muck Sur Other (Explain Depth (inches	d)  12)  betrates (B13)  de Odor (C1)  bespheres along  educed Iron (C4)  eduction in Tille  face (C7)  in Remarks)	Living Roots (Co) d Soils (C6)  Wetland	Secondary Indicators (2 or more rewards (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Crayfish Burrows (C8)  Saturation Visible on Aerial Importance (D3)  FAC-Neutral Test (D5)	equired) rine)
YDROLO Wetland Hy Primary India Surface High Wa Saturati Water N Sedimee Drift Del Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes cal	drology Indicator cators (minimum of water (A1) ater Table (A2) on (A3) darks (B1) (Nonrivent Deposits (B3) (Nonrivent Deposits (B3) (Nonrivent Deposits (B6) on Visible on Aeristained Leaves (B5) vations:  er Present?  Present?  resent?	rerine) Nonriverine) verine) al Imagery (B7 ))  Yes N Yes N	Salt Crust (B11 Salt Crust (B11 Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Ro Recent Iron Ro Recent Iron Ro Thin Muck Sur Other (Explain Depth (inches	d)  12)  betrates (B13)  de Odor (C1)  bespheres along  educed Iron (C4)  eduction in Tille  face (C7)  in Remarks)	Living Roots (Co) d Soils (C6)  Wetland	Secondary Indicators (2 or more rewards (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Crayfish Burrows (C8)  Saturation Visible on Aerial Importance (D3)  FAC-Neutral Test (D5)	equired) rine)
YDROLO Wetland Hy Primary India Surface High Wa Saturati Water N Sedimee Drift Dee Inundati Water-S Field Obser Surface Wat Water Table Saturation P includes cal Describe Re	drology Indicator cators (minimum of water (A1) ater Table (A2) on (A3) darks (B1) (Nonrivent Deposits (B3) (Nonrivent Deposits (B3) (Nonrivent Deposits (B6) on Visible on Aeristained Leaves (B5) vations:  er Present?  Present?  resent?	rerine) Nonriverine) verine) al Imagery (B7 ))  Yes N Yes N	Salt Crust (B11 Salt Crust (B11 Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Ro Recent Iron Ro Recent Iron Ro Thin Muck Sur Other (Explain Depth (inches	d)  12)  betrates (B13)  de Odor (C1)  bespheres along  educed Iron (C4)  eduction in Tille  face (C7)  in Remarks)	Living Roots (Co) d Soils (C6)  Wetland	Secondary Indicators (2 or more rewards (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Crayfish Burrows (C8)  Saturation Visible on Aerial Importance (D3)  FAC-Neutral Test (D5)	equired) rine)

Project/Site: Clinton Kath Ext	City/County: kiv	, Co Sampling Date: 8/9/13
Applicant/Owner: RCTD		State: CA Sampling Point: Sp-15
Investigator(s): Zackwest, Marisa Flore	Section, Township, Ra	ange:
Landform (hillslope, terrace, etc.): 51/en by	Local relief (concave,	convex, none): 1000 Slope (%): 2
Subregion (LRR):	Lat:	Long: Datum:
Soil Map Unit Name:		NWI classification:
Are climatic / hydrologic conditions on the site typical for thi	s time of year? Yes No _	(If no, explain in Remarks.)
Are Vegetation $N$ Soil $N$ , or Hydrology $N$ s	significantly disturbed? Are	"Normal Circumstances" present? Yes No
Are VegetationN, SoilN, or HydrologyN r	naturally problematic? (If n	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing sampling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes N	0 /	
Hydric Soil Present? YesN		
Wetland Hydrology Present? Yes N	o within a vvetta	nd? Yes No
Remarks:		
		*
,		
VEGETATION – Use scientific names of plan	ts.	
20)	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30)	% Cover Species? Status	Number of Dominant Species
1. Salix goodingii	- 10 1 FACE	That Are OBL, FACW, or FAC: (A)
3		Total Number of Dominant
4.		Species Across All Strata: (B)
	Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: 5 O (A/B)
Sapling/Shrub Stratum (Plot size:	7 × FA	(A/B)
1. Ambrosia pulostuchya 2. Baccharis Solicitalia	75 Y FACU	
3. Baccharis emory ii	15 N FAC	
4.		FACW species 60 x2= 160
5		FAC species \\ \sqrt{5}  \x3 =  \qquad   \qq           \
m 1	100 = Total Cover	FACU species
Herb Stratum (Plot size: 5		UPL species x 5 =
1		Column Totals: 170 (A) 705 (B)
3.		Prevalence Index = B/A =
4.		Hydrophytic Vegetation Indicators:
		Dominance Test is >50%
6		Prevalence Index is ≤3.0¹
7		Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8		Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size: 30)	= Total Cover	
1		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2		be present, unless disturbed or problematic.
/	= Total Cover	Hydrophytic
% Bare Ground in Herb Stratum	of Biotic Crust	Vegetation Present? Yes No
Remarks: RONG 273 und VIGS 9	lot of loaf le	tter
Bone ground has a	io ( a) Cat U	. [[Rem

•	^			
3	u	1	ᆫ	

Profile Descr	ription: (Describe	to the depth r				or confirn	n the absence of indicat	ors.)
Depth .	Matrix	%	Redo Color (moist)	ox Feature	S Tuno!	Loc <sup>2</sup>	Texture	Remarks
(inches)	Color (moist)	\$00	Color (moist)					Remarks
0-22	2.5 Y 3/2	100			. ———		Sndy Im	
				_				
100								
			-	_				
	ncentration, D=Dep					d Sand G		=Pore Lining, M=Matrix.
Hydric Soil Ir	ndicators: (Applic	able to all LRI	Rs, unless othe	rwise not	ed.)		Indicators for Proble	ematic Hydric Soils³:
Histosol (	(A1)		Sandy Red	lox (S5)			1 cm Muck (A9) (	LRR C)
Histic Epi	ipedon (A2)		Stripped M	atrix (S6)			2 cm Muck (A10)	(LRR B)
Black His	stic (A3)		Loamy Mu	cky Minera	al (F1)		Reduced Vertic (	F18)
Hydrogen	Sulfide (A4)		Loamy Gle		(F2)		Red Parent Mate	rial (TF2)
Stratified	Layers (A5) (LRR (	C)	Depleted M				Other (Explain in	Remarks)
	ck (A9) (LRR D)		Redox Dar		•			
Depleted	Below Dark Surfac	e (A11)	Depleted D				1	
Thick Dar	rk Surface (A12)		Redox Dep		F8)		<sup>3</sup> Indicators of hydroph	
Transport State	ucky Mineral (S1)		Vernal Poo	ols (F9)			wetland hydrology	
	eyed Matrix (S4)						unless disturbed or	problematic.
Restrictive La	ayer (if present):							
Туре:			-					
Depth (inch	hes):		_				Hydric Soil Present?	Yes No
No	polghic co	II War	cators	Mesc	VM -			
HYDROLOG	GY		V. 2011		81			
Wetland Hyd	rology Indicators:				101/2011			
Primary Indica	ators (minimum of o	ne required; cl	neck all that app	ly)			Secondary Indic	ators (2 or more required)
Surface V	Vater (A1)		Salt Crus	t (B11)			Water Mark	s (B1) (Riverine)
	er Table (A2)		Biotic Cru	ıst (B12)			Sediment D	eposits (B2) (Riverine)
Saturation	95040A 2004-0500560A0 250-050-05A		Aquatic Ir	112 J. 102V	es (B13)			ts (B3) (Riverine)
	arks (B1) (Nonriver	ine)	Hydrogen				<u></u> Drainage Pa	
	t Deposits (B2) (No					Livina Ro	ots (C3) Dry-Season	
	osits (B3) (Nonrive		Presence				Crayfish Bu	
	Soil Cracks (B6)		Recent Ire					isible on Aerial Imagery (C9)
1 <del>1   1</del>   1   1   1   1   1   1   1   1		magani (P7)	Thin Muc			a 00113 (01	Shallow Aqu	
(a) (b) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	n Visible on Aerial I	magery (b/)						30 35 C 3 C 3 C 3 C 3 C 3 C 3 C 3 C 3 C 3
<u> </u>	ained Leaves (B9)	1 2 22	Other (Ex	plain in Re	emarks)		FAC-Neutra	Test (D5)
Field Observa			1/ - ""					
Surface Water		es No		7 SEC. 1011 SEC.				
Water Table F		es No				-		1/
Saturation Pre		es No	Depth (ir	nches):	10	_ Wet	land Hydrology Present	Yes No
(includes capi	illary fringe)	gauga manite	ring well porial	photos p	rovious ins	nections)	if available:	
Describe Reci	orded Data (stream	gauge, monito	nnig well, aerial	priotos, pr	CVIOUS IIIS	pecuons),	, ii avallable.	
Remarks:								
		87						

Project/Site: Clinton Keith FXt.	City/C	County: RIV	. Co Sampling Date:8/9/3
Applicant/Owner: QMD			State: OA Sampling Point: Sp-16
Investigator(s): 2 ack, Wost Marisa			
Landform (hillslope, terrace, etc.): \( \sum_{\infty} \) flow			
Subregion (LRR):	_ Lat:		Long: Datum:
Soil Map Unit Name:			NWI classification:
Are climatic / hydrologic conditions on the site typical for this			
Are Vegetation, Soil, or Hydrology signs.			"Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology na	aturally problema		eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s			ocations, transects, important features, etc.
Hydric Soil Present? Yes No	) 	Is the Sampled within a Wetlan	
VEGETATION – Use scientific names of plant			
		ninant Indicator	Dominance Test worksheet:
1. Salve goodings	% Cover Spe	Status FACW	Number of Dominant Species That Are OBL, FACW, or FAC:
3			Total Number of Dominant Species Across All Strata: (B)
4	<u>55</u> = To	tel Cover	Percent of Dominant Species That Are OBL FACW or FAC: (A/B)
Sapling/Shrub Stratum (Plot size: 10	<u></u>		(AVB)
1. Consum maculatum	30	Y FACW	Prevalence Index worksheet:
2 bacharis salicifolia	<u> </u>	Y FAU	
3. Artensia douglasiana		N FAL	OBL species x 1 = FACW species x 2 =
4			FAC species x 3 =
0	75 = To	otal Cover	FACU species x 4 =
Herb Stratum (Plot size: 5')	1 .		UPL species x 5 =
1. Anamopsis californica.	40	1 OBL	Column Totals: (A) (B)
2. Helptopium arvassam		N FACU N UPL	Prevalence Index = B/A =
3. Bromus Madritensis 4. Eleocharis pullutris	15	N OBL	Hydrophytic Vegetation Indicators:
5. Comun maculation	<del></del>	Y FALW	Dominance Test is >50%
6.			Prevalence Index is ≤3.0¹
7			Morphological Adaptations <sup>1</sup> (Provide supporting
8.			data in Remarks or on a separate sheet)
	97 = Tot	tal Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size: 36)			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1			be present, unless disturbed or problematic.
2	= Tot	tal Cover	Hydrophytic
	of Biotic Crust _	30000000000000000000000000000000000000	Vegetation Present? Yes No
Remarks:			
*			
* *			

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	••

Sampling Point: SP-16

Profile Desc	ription: (Describe	to the dep	th needed to docum	ent the i	ndicator	or confirm	the absence of indicators.)	
Depth	Matrix		Redox	Features		Loc <sup>2</sup>	Texture Remarks	
(inches)	Color (moist) 10YR3/3	%	Color (moist) 5 Y N 3/4	10	Type <sup>1</sup>	N. 1.	721 21 21	
0-8		90	S AIL DIN			1 1/11	Sndy cly Im	- 15.4 /0
8-16	10 YR 3/2	100		<u>_Ø</u>	100		Cly Im	
				,				
	*							
		(), <del></del> (),		60000 million (1)		3 <del>0</del>		2.77
				-				N.
				-				
	0							
			Reduced Matrix, CS			d Sand Gr		
A1000 A100 A100 A100 A100 A100 A100 A10		able to all	LRRs, unless other		ea.)		Indicators for Problematic Hydric Soils	<b>5</b> :
Histosol	770 X35		Sandy Redo Stripped Ma				1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B)	
Histic Ep	oipedon (A2)		Supped Ma		l (F1)		Reduced Vertic (F18)	
The State of the S	n Sulfide (A4)		Loamy Gley		3378		Red Parent Material (TF2)	
	Layers (A5) (LRR C	<b>(</b> )	Depleted Ma	atrix (F3)			Other (Explain in Remarks)	
	ick (A9) (LRR D)		Redox Dark					
	Below Dark Surface	e (A11)	Depleted Da				31-4:-4	
	ark Surface (A12)		Redox Depression Vernal Pools		-8)		<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present,	
1000	flucky Mineral (S1) Bleyed Matrix (S4)		vernar room	, (i 3)			unless disturbed or problematic.	
	Layer (if present):							
Type:								
Depth (inc	ches):						Hydric Soil Present? Yes No	·
Remarks:								
*:								
HYDROLO	GV		2 60 3500					
	drology Indicators:							
55124 VX VIVA VASSE AND 1845			d; check all that apply	Λ			Secondary Indicators (2 or more red	uired)
1945	Riscon to 1997 topped	ne require	Salt Crust (				Water Marks (B1) (Riverine)	uireu/
	Water (A1) iter Table (A2)		Biotic Crus	i			Sediment Deposits (B2) (Rivering)	ne)
Saturation			Aquatic Inv		s (B13)		Drift Deposits (B3) (Riverine)	
	larks (B1) ( <b>Nonriver</b> i	ine)	Hydrogen S				✓ Drainage Patterns (B10)	
	nt Deposits (B2) (No				100	Livina Roo	ots (C3) Dry-Season Water Table (C2)	
	oosits (B3) (Nonrive		Presence of				Crayfish Burrows (C8)	
	Soil Cracks (B6)	,	Recent Iron					gery (C9)
	on Visible on Aerial I	magery (B					Shallow Aquitard (D3)	•
1	tained Leaves (B9)	J , ,	Other (Exp				FAC-Neutral Test (D5)	
Field Obser			- (					
Surface Wat	er Present? Y	es	No Depth (inc	ches):		_		
Water Table			No Depth (inc					
Saturation P		100	No Depth (inc				land Hydrology Present? Yes N	۰
(includes car	oillary fringe)						if available.	
Describe Re	corded Data (stream	gauge, mo	onitoring well, aerial p	notos, pr	evious ins	spections),	if available:	
Remarks:								
							(f)	

Project/site: Clipton Keith Extensio	'n	Citv/Count	v: Rivers	ide O. Sampling Date: 8/20/2
Applicant/Owner: RCTD				State: CA Sampling Point: SP-17
Investigator(s): Zack West Marisa Fi	lores	Section, T	ownship, Ra	nge:
Landform (hillslope, terrace, etc.): top of bank				
Subregion (LRR):	_ Lat:			Long: Datum:
Soil Map Unit Name:				
Are climatic / hydrologic conditions on the site typical for this	s time of ye	ar? Yes _	No_	(If no, explain in Remarks.)
Are Vegetation N, Soil N, or Hydrology N si				"Normal Circumstances" present? Yes No
Are Vegetation	aturally pro	blematic?	(If ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing	samplii	ng point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes V	o		h. C	/
Hydric Soil Present? Yes No			he Sampled hin a Wetlar	. /
Wetland Hydrology Present? Yes No	·			NO
Remarks:				
VEGETATION – Use scientific names of plant	ts.		4	
Tree Stratum (Plot size: 20')	Absolute % Cover		t Indicator	Dominance Test worksheet:
1. Sambucus nigra	20	Species:	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
2.			110	
3.				Total Number of Dominant Species Across All Strata:  (B)
4				
Sapling/Shrub Stratum (Plot size: ()	20	= Total Co	over	Percent of Dominant Species That Are OBL, FACW, or FAC: $\frac{73}{3} = 67\%$ (A/B)
1. Canum Machin	15	Ŋ	FACID	Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3.				OBL species x 1 =
4.				FACW species x 2 =
5				FAC species x 3 =
	/	= Total Co	over	FACU species x 4 =
Herb Stratum (Plot size: 5\)	25	4	FACU	UPL species x 5 =
1. Elymus glaucus 2. Heliotropum curvassicum		-N	FACU	Column Totals: (A) (B)
3. Atrolex watsonis?	10	N	FACW	Prevalence Index = B/A =
4.				Hydrophytic Vegetation Indicators:
5.				
6				Prevalence Index is ≤3.01
7				Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8	10	_		Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:)	100	= Total Co	over	robinitation rydrophytic vegetation (Explain)
1 7				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2.				be present, unless disturbed or problematic.
. /		= Total Co	over	Hydrophytic
% Bare Ground in Herb Stratum % Cover	of Biotic Cr	ust	0	Vegetation Present? Yes _X No
Demade	200			
remarks: sample taken				

SOIL		Sampling Point: SP-17
Profile Description: (Describe to the o	lepth needed to document the indicator or o	confirm the absence of indicators.)
Depth Matrix	Redox Features	Texture Develop
$\frac{\text{(inches)}}{\text{O-Q4}}$ $\frac{\text{Color (moist)}}{\text{OYR}}$ $\frac{\%}{3/2}$ $\frac{\%}{100}$	Color (moist) % Type <sup>1</sup> L	The state of the s
0-04 104 R 3/2 100		loamy sand
	RM=Reduced Matrix, CS=Covered or Coated S	Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to		Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6) Loamy Mucky Mineral (F1)	2 cm Muck (A10) ( <b>LRR B</b> ) Reduced Vertic (F18)
Black Histic (A3) Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	*	unless disturbed or problematic.
Restrictive Layer (if present):		
Type:		Hudrig Call Broad C. Van
Depth (inches):		Hydric Soil Present? Yes No
No Maric 2011	indicators present.	
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one requ	ired; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Salt Crust (B11)	Water Marks (B1) (Riverine)
High Water Table (A2)	Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Sediment Deposits (B2) (Nonriverin	e) Oxidized Rhizospheres along Livi	ing Roots (C3) Dry-Season Water Table (C2)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled S	oils (C6) Saturation Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery	(B7) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	FAC-Neutral Test (D5)
Field Observations:	•	
Surface Water Present? Yes	No Depth (inches):	
Water Table Present? Yes	No/_ Depth (inches):	
Saturation Present? Yes	No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)		tions) if available:
Describe Recorded Data (stream gauge,	monitoring well, aerial photos, previous inspec	ctions), if available.
Remarks:		1.
no hydroloo	ly indicators prosers	<b>₹</b>
	V	

Project/Site: Clinton Keuth Ext	City/County:	Piu	.Co Sampling Date: 0/20/13
Applicant/Owner: RCTD			State: <u>CA</u> Sampling Point 9-18
Investigator(s): 2 act West Marisa flo	Section, Tov	vnship, Rar	nge:
Landform (hillslope, terrace, etc.): ○ \www. Awww.	Local relief	(concave, c	convex, none): Cowvey Slope (%):
Subregion (LRR): La	ıt:		Long: Datum:
Soil Map Unit Name:		,	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time	e of year? Yes	No	(If no, explain in Remarks.)
Are Vegetation $N$ , Soil $N$ , or Hydrology $N$ significant	cantly disturbed?		Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology natura	ally problematic?	(If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map sho	wing sampling	point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No No Remarks:	Is the	e Sampled n a Wetlan	
VEGETATION – Use scientific names of plants.			
Δhs	olute Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ) %(	Cover Species?	Status	Number of Dominant Species
1. Salix hasiolepis 2		FACW	That Are OBL, FACW, or FAC: (A)
3.			Total Number of Dominant
4.			Species Across All Strata: (B)
	30 = Total Cov	er	Percent of Dominant Species That Are OBL, FACW, or FAC:  (A/B)
Sapling/Shrub Stratum (Plot size: 10)  1. Baccharis Salicifolia	35 V	FAC	
2. Comun maculation		PACW	Prevalence Index worksheet:
3. Artenisia douglasiana	5 7	PAC	OBL species x 1 =
4.			FACW species x 2 =
5			FAC species x 3 =
Herb Stratum (Plot size: 5 '	) 5 = Total Cove	er	FACU species x 4 =
1. Holy troum curvossicum 0	5 Y	FACU	UPL species x 5 =
2. Conium maculatum 3		Frew	Column Totals: (A) (B)
3. Anemopsis californica 2	<u>o y</u> _	OBL	Prevalence Index = B/A =
4. Mil whosh of sucrement	<u> </u>		Hydrophytic Vegetation Indicators:
5	<del></del>		Dominance Test is >50%
6			Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting
7			data in Remarks or on a separate sheet)
	= Total Cove	er	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)			1
			<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2	= Total Cove		Hydrophytic
% Bare Ground in Herb Stratum 20 % Cover of Bio	otic Crust		Vegetation Present?  Yes No
Remarks:			
•			

	••

Sampling Point: SP-18

Profile Description: (Describe to the depth		
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup> L	_oc <sup>2</sup> Texture Remarks
0-24 75/ 83/2 100		loam
		<del></del>
	*	
*		
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=F	Reduced Matrix, CS=Covered or Coated S	
Hydric Soil Indicators: (Applicable to all L	RRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Midcky Militeral (C1) Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
Restrictive Layer (if present):		and a distance of problematic.
Security Commission Co		, a
Type:	_	
Depth (inches):		Hydric Soil Present? Yes No
Remarks:	• 11 1	
Ma MULLY SOU	undicators diese	NT.
No WAGAIC 2011	indicators prese	Nr1.
No WAGAIC SOIL	MOJ CULDER BISSO	Nr.
Mo WAGAIC CON	MOTOGRAPHS BIRSON	Nrt.
(	MOTOURS BISSO	Nr1.
HYDROLOGY	MOTCHERS BISSO	Nr1.
HYDROLOGY Wetland Hydrology Indicators:		
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;	check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)	check all that apply) Salt Crust (B11)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;	check all that apply)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)	check all that apply) Salt Crust (B11)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3)	check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	check all that apply)  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)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)	check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  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)  ing Roots (C3) Dry-Season Water Table (C2)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)	check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livi 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)  ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  oils (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) 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) ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes N	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches):	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes N  Water Table Present? Yes N	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes N  Water Table Present? Yes N  Saturation Present? Yes N	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches):	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes N  Water Table Present? Yes N  Saturation Present? Yes N  Saturation Present? Yes N	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes N  Water Table Present? Yes N  Saturation Present? Yes N	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes N  Water Table Present? Yes N  Saturation Present? Yes N  Saturation Present? Yes N  (includes capillary fringe)  Describe Recorded Data (stream gauge, more	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes N  Water Table Present? Yes N  Saturation Present? Yes N  Saturation Present? Yes N	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes N  Water Table Present? Yes N  Saturation Present? Yes N  (includes capillary fringe)  Describe Recorded Data (stream gauge, more	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
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Project/Site: Clinton Keuth Ext	Cit	y/County: Mv/	1. 1 / R. U. Co. Sampling Date: 3/20/13
Applicant/Owner: Rad			State: <u>CA</u> Sampling Point: <u>SP 19</u>
Investigator(s): 20cky West, Marisa	Flores se	ction, Township, Ra	nge:
Landform (hillslope, terrace, etc.): Thank	Lo	cal relief (concave,	convex, none): Slope (%):
Subregion (LRR):	Lat:		Long: Datum:
Soil Map Unit Name:			
Are climatic / hydrologic conditions on the site typical for thi	is time of year?	Yes No _	(If no, explain in Remarks.)
Are Vegetation N, Soil N or Hydrology N			"Normal Circumstances" present? Yes No
Are Vegetation N, Soil N, or Hydrology N	naturally proble		eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map			¥ 4
Hydrophytic Vegetation Present? YesN			
Hydric Soil Present? Yes N	10	Is the Sampled	
Wetland Hydrology Present? Yes N	10	within a Wetlar	nd? YesNo
Remarks:			
*			
VEGETATION – Use scientific names of plan	nts.		
		ominant Indicator	Dominance Test worksheet:
Tree Stratum. (Plot size: 20)	% Cover S	pecies? Status	Number of Dominant Species
1. Salir lasiolepis	<u> 45</u> _	Y PALO	That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
3.			Species Across All Strata: (B)
4		<del></del>	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: 10 /	<u> 45</u> =	Total Cover	That Are OBL, FACW, or FAC: (A/B)
1. Canyon maculatum	5	N FALLS	Prevalence Index worksheet:
2. Backharis salicifolia	35	Y FAC	Total % Cover of: Multiply by:
3 Urtra dioca	_ <u>/0</u> _	'N FAC	OBL species x 1 =
4. Artemisia douglasiana		y FAru	FACW species $50 \times 2 = 100$
5			FAC species
Herb Stratum (Plot size:)	<u> (65</u> =	Total Cover	FACU species 90 x4= 360 UPL species 2 x5= 0
1. Elymus orlancus	7:5	X FACU	Column Totals: 190 (A) (B)
2. Anamobsis californica	_ 5	N 08-	100
3			Prevalence Index = B/A = 3 · 15
4			Hydrophytic Vegetation Indicators:
5			Dominance Test is >50%
6	7.40		<ul> <li>Prevalence Index is ≤3.0¹</li> <li>Morphological Adaptations¹ (Provide supporting</li> </ul>
7			data in Remarks or on a separate sheet)
8	80 =	Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:)		Total Cove	
1			¹Indicators of hydric soil and wetland hydrology must
2.			be present, unless disturbed or problematic.
	=	Total Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover	r of Biotic Crus	t&	Present? Yes No
Remarks:	-0		
37			
			ñ

	~		
3	v	ı	L

Sampling Point: SP-19

Profile Description: (Describe to the depth		or committee abs	serice of indicators.)
Depth Matrix (inches) Color (moist) %	Redox Features  Color (moist) % Type <sup>1</sup>	_Loc <sup>2</sup> Textu	ure Remarks
- VO el	Color (moist) % Type	8 U	
D-14 1048 3/2 100			ly lm
		200	
		. <del></del>	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=R	educed Matrix CS=Covered or Coate	d Sand Grains	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all Li			ators for Problematic Hydric Soils <sup>3</sup> :
50 years at an experience	AND NO 10 MIN 14 MINERAL STATE OF THE STATE		
Histosol (A1)	Sandy Redox (S5)		cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)		2 cm Muck (A10) (LRR B) Reduced Vertic (F18)
Black Histic (A3)	Loamy Mucky Mineral (F1)		Reduced Vertic (F18) Red Parent Material (TF2)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2) Depleted Matrix (F3)		Other (Explain in Remarks)
Stratified Layers (A5) (LRR C)	Redox Dark Surface (F6)	_ `	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Depleted Dark Surface (F7)		
Depleted Below Dark Surface (A11)		3 <sub>India</sub>	cators of hydrophytic vegetation and
Thick Dark Surface (A12)	Redox Depressions (F8) Vernal Pools (F9)		etland hydrology must be present,
Sandy Mucky Mineral (S1)	Vernai Pools (F9)		less disturbed or problematic.
Sandy Gleyed Matrix (S4)		T UIII	less disturbed of problematic.
Restrictive Layer (if present):  Type:			
	<del>_</del> 2	· /	
Depth (inches):	_		c Soil Present? Yes No
Remarks: shovel refusal @	4111 1 1 10	41.10 - 1	and the state of t
s novel retusal (e)	14, orge to rouge	- 1000	roots. No hydric soil
indicators preser	1.		**,
*			19
		19	
HYDROLOGY			
Wetland Hydrology Indicators:	1.4 11-41-41		
Primary Indicators (minimum of one required;	check all that apply)		Secondary Indicators (2 or more required)
	Salt Crust (B11)	_	Water Marks (B1) (Riverine)
Surface Water (A1)	The second secon	;	
High Water Table (A2)	Biotic Crust (B12)	•	Sediment Deposits (B2) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)		Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	•	✓ Drainage Patterns (B10)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along I	_iving Roots (C3)	Dry-Season Water Table (C2)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4	) .	Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled	Soils (C6)	Saturation Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	-	FAC-Neutral Test (D5)
Field Observations:			0
Surface Water Present? Yes No	Depth (inches):		2
Water Table Present? Yes No	/		_
		Wetland Hyd	rology Present? Yes No
Saturation Present? Yes No (includes capillary fringe)	Deptif (inches).	Welland Hydi	rology Fresent: Tes No
Describe Recorded Data (stream gauge, moni	toring well, aerial photos, previous insp	pections), if availab	le:
, , , , , ,	-	■ Note that the state of the s	
Pamarke:	- A	- 1	·
Remarks:			
			1
Start R			

Project/Site: Clintonkeith Ext		City/County: Ru	V. Co Sampling Date: 8/20/13
Applicant/Owner: RCTD			State: CA Sampling Point: (0.00
Investigator(s): Zackry West. Mar	159 Flore	Section, Township, Ra	ange:
Landform (hillslope, terrace, etc.):chan nel	*	Local relief (concave,	convex, none): None Slope (%):
			Long: Datum:
			NVI classification:
Are climatic / hydrologic conditions on the site typical for the			
Are Vegetation _ \( \begin{align*} \lambda \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			"Normal Circumstances" present? Yes No
Are Vegetation $\mathcal{N}$ , Soil $\mathcal{N}$ , or Hydrology $\mathcal{N}$			eeded, explain any answers in Remarks.)
			locations, transects, important features, etc.
	lo	Is the Sampled within a Wetla	
Remarks:			
a a			2
VEGETATION – Use scientific names of plan	ıte		
	Absolute	Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30	% Cover	Species? Status	Number of Dominant Charles
1. Salux laevigata	_30	- Y FALW	That Are OBL, FACW, or FAC:(A)
2.			Total Number of Dominant
3			Species Across All Strata: (B)
4		- Total Cause	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: 10)		= Total Cover	That Are OBL, FACW, or FAC: 50 (A/B)
1. Sally lastologis	7	N FACW	Prevalence Index worksheet:
2. Ambrosia psystachya	35	Y FACY	Total % Cover of: Multiply by:
3. Urtica dioica	<u>a</u> 5	Y FACW	OBL species x1 =O
4. Toxicodendon diversilablem	10	V upl	FACW species $\underline{(2)}$ $\times 2 = \underline{124}$
5	67	= Total Cover	FAC species $O$ $x3 = O$ FACU species $30$ $x4 = (20)$
Herb Stratum (Plot size: 5'	<u> </u>	= Total Cover	UPL species $\frac{30}{10}$ $x5 = \frac{50}{10}$
1. Helistrapium curvassicum	5	Y FACU	Column Totals: 102 (A) 294 (B)
2			
3			Prevalence Index = B/A = 2 + 3 3
4			Hydrophytic Vegetation Indicators:  Dominance Test is >50%
5			Prevalence Index is ≤3.0¹
7.			Morphological Adaptations¹ (Provide supporting
8.			data in Remarks or on a separate sheet)
	_	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)			Nedicator of the transfer of t
1	70. <del>-</del>		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2		= Total Cover	Hydrophytic
% Bare Ground in Herb Stratum 9 % Cover	of Biotic Cr	Ð	Vegetation Present? Yes No
Remarks:	2.12.27		
		9	

Sampling	Point:	SP.	20

-	_	-	
C			
. 71	_		_

Depth Matrix		x Features			indicators.)	
(inches) Color (moist) %	Color (moist)		ype <sup>1</sup> Loc <sup>2</sup>	Texture	Remarks	
0-16 10/R3/2 100				Iny sand		
·	17.5				600V-1-1-1	
						_
						—
				<u> </u>		
<sup>1</sup> Type: C=Concentration, D=Depletion, RM:				Grains. <sup>2</sup> Location	on: PL=Pore Lining, M=Matrix.	
Hydric Soil Indicators: (Applicable to all	LRRs, unless other	wise noted.)		Indicators for	Problematic Hydric Soils <sup>3</sup> :	
Histosol (A1)	Sandy Red				k (A9) (LRR C)	
Histic Epipedon (A2)	Stripped Ma				k (A10) (LRR B)	
Black Histic (A3)		ky Mineral (F1			Vertic (F18) nt Material (TF2)	
<ul><li>Hydrogen Sulfide (A4)</li><li>Stratified Layers (A5) (LRR C)</li></ul>	Depleted M	ed Matrix (F2) atrix (F3)	)		olain in Remarks)	
1 cm Muck (A9) (LRR D)		Surface (F6)		00. (Exp	Jan In Tromano)	
Depleted Below Dark Surface (A11)		ark Surface (F	7)			
Thick Dark Surface (A12)	Redox Dep	ressions (F8)			ydrophytic vegetation and	
Sandy Mucky Mineral (S1)	Vernal Pool	s (F9)			rology must be present,	
Sandy Gleyed Matrix (S4)				unless distu	rbed or problematic.	
Restrictive Layer (if present):						
1,700.				Undria Call Dua		
Depth (inches): \( \bigcup \)					esent? Yes No	
Remarks: Shovel refusal @ present.	16" due	3 WUK	00 00	ots. No M	accept indic	ator
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of one require	d; check all that appl	y)		Secondar	y Indicators (2 or more required)	
Surface Water (A1)	Salt Crust	(B11)		Wate	r Marks (B1) (Riverine)	
High Water Table (A2)	Biotic Crus	st (B12)		Sedir	ment Deposits (B2) (Riverine)	
Saturation (A3)	Aquatic In	vertebrates (B	13)	Drift [	Deposits (B3) (Riverine)	
Water Marks (B1) (Nonriverine)	Hydrogen	Sulfide Odor (	(C1)	Drain	age Patterns (B10)	
Sediment Deposits (B2) (Nonriverine)	Oxidized F	Rhizospheres a	along Living F	Roots (C3) Dry-S	Geason Water Table (C2)	
Drift Deposits (B3) (Nonriverine)	The constitution of the	of Reduced Iro			ish Burrows (C8)	
Surface Soil Cracks (B6)	NAMES AND ASSOCIATION OF THE PARTY OF THE PA	n Reduction ir	n Tilled Soils		ation Visible on Aerial Imagery (	C9)
Inundation Visible on Aerial Imagery (B	Maria State Committee Comm	Surface (C7)			ow Aquitard (D3)	ě.
Water-Stained Leaves (B9)	Other (Exp	olain in Remar	KS)	FAC-	Neutral Test (D5)	
Field Observations:	N- / 5 " "	-h\·			y :	
		ches):				
	<del></del>	ches):				
Saturation Present? Yes (includes capillary fringe)	No Depth (in	cnes):	W	etiand Hydrology Pr	resent? YesNo	-
Describe Recorded Data (stream gauge, mo	onitoring well, aerial	photos, previo	us inspection	s), if available:		
	esti					
Remarks:						
		96				
7K2						

Project/Site: Clinton Keith Ext.	City/C	ounty: RIU	. Co .	Sampling Date: 9/20/13
Applicant/Owner: _RCTD				Sampling Point: Sp - 21
Investigator(s): 20ckry West, Marisa Flo				
Landform (hillslope, terrace, etc.): _stream bank				
Subregion (LRR): _C				
Soil Map Unit Name:				
Are climatic / hydrologic conditions on the site typical for this	time of year? Y	es No	(If no, explain in R	Remarks.)
Are Vegetation N, Soil N, or Hydrology N si	gnificantly disturt	ped? Are "f	Normal Circumstances"	oresent? Yes/_ No
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u> na	aturally problema	itic? (If nee	eded, explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS - Attach site map s	showing sam	pling point lo	ocations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes No				
Hydrophytic Vegetation Present?  Yes No Yes		Is the Sampled		
Wetland Hydrology Present? Yes V		within a Wetlan	d? Yes	No
Remarks:		-		•
				2
¥				
VEGETATION – Use scientific names of plant	s.	£		
	Absolute Dom	inant Indicator	Dominance Test work	sheet:
	45 Spec		Number of Dominant S	·
1. Salix ladvigata		50 totals 50	That Are OBL, FACW,	or FAC: (A)
3			Total Number of Domin	11
4.			Species Across All Stra	
	45 = Tot	al Cover	Percent of Dominant S That Are OBL, FACW,	
Sapling/Shrub Stratum (Plot size: 10 )				
1. Ambrosia psilostachya	15 Y	FACU	Prevalence Index wor	92
2. Stachys adjugoides. 3. Backhair Salicina	25 Y	FACW		<u>Multiply by:</u> x 1 =
4. Baccharis galicifolia		FAC		x 2 =
5.				x 3 =
	(00 = Tot	al Cover		x 4 =
Herb Stratum (Plot size: 51	-		UPL species	x 5 =
1			Column Totals:	(A) (B)
2			Prevalence Index	= B/A =
3			Hydrophytic Vegetation	
5.			Dominance Test is	
6			Prevalence Index i	25 25 35 55 55 55 55 55 55 55 55 55 55 55 55
7			Morphological Ada	ptations <sup>1</sup> (Provide supporting
8				s or on a separate sheet)
	= Tot	al Cover	Problematic Hydro	phytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size: 30			<sup>1</sup> Indicators of hydric soi	il and wetland hydrology must
1	·		be present, unless distr	
2.	○ = Tot	al Cover	Hydrophytic	
% Bare Ground in Herb Stratum \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	of Biotic Crust	H-001 - 8080/00/00/00/00/00/00	Vegetation Present? Ye	s_ No
	1200 E	38/1190 - 25/2/		
Remarks: Ook Bane grand + lea	1 miles	in herb	inger.	

Sampling Point: <u>CP-2</u> \
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7	

Profile Description: (Describe to the dept	n needed to document the indicator or co	onfirm the absence of indicators.)
Depth Matrix	Redox Features	3
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup> Lo	oc <sup>2</sup> <u>Texture</u> <u>Remarks</u>
0-11 10/ R 3/2 100		sandy clay Im
11-24 10/R3/2 100		Sandy In
30 May 100 May		
	<del></del>	
12		
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, CS=Covered or Coated Sa	and Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all L	RRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	<ul><li>Depleted Dark Surface (F7)</li><li>Redox Depressions (F8)</li></ul>	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
Restrictive Layer (if present):		
Type:		
Depth (inches):		Hydric Soil Present? Yes No
Remarks:		-
No Inderic Coll	indicators present	T.
140 11/21/2		
HYDROLOGY		924
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required	check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Salt Crust (B11)	Water Marks (B1) (Riverine)
High Water Table (A2)	Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Sediment Deposits (B2) (Nonriverine)		ng Roots (C3) Dry-Season Water Table (C2)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled So	
Inundation Visible on Aerial Imagery (B7		Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes N	,	<b>y</b>
	lo Depth (inches):	
	lo Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, more	nitoring well, aerial photos, previous inspec	tions), if available:
2000,000 (1000,000 2012 (0000,000 300 300 300 300 300 300 300 300		1
Remarks:		
Normans.		

Project/Site: Climbon Keith Ext.		City/County	:_ R	.v. Сь Sampling Date:
				State: CA Sampling Point: SP-ZZ
Investigator(s): Zocky West Maysa	Flores	Section, To	wnship, Ra	inge:
Landform (hillslope, terrace, etc.): Stream bank				
Subregion (LRR):				
Soil Map Unit Name:				
Are climatic / hydrologic conditions on the site typical for this				
Are Vegetation \( \frac{1}{\psi} \), Soil \( \frac{1}{\psi} \), or Hydrology \( \frac{1}{\psi} \) s				"Normal Circumstances" present? Yes No
Are Vegetation N, Soil N, or Hydrology N r				eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map			1.5	
Hydrophytic Vegetation Present? Yes N Hydric Soil Present? Yes N		Is th	e Sampled	
Wetland Hydrology Present? Yes V N		with	in a Wetlar	nd? Yes No
Remarks:	<u> </u>			
a: 4				6
VEGETATION – Use scientific names of plan	ts.			
Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?		Dominance Test worksheet:
1	_70 00001	Openes:	Otalus	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2.				
3.				Total Number of Dominant Species Across All Strata:  (B)
4	_			
10)	O	= Total Co	ver	Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)
Sapling/Shrub Stratum (Plot size: 10 )	40	\/	ζΛ	
1. Ambrosia psitostarhya 2. Conjum maculatum		<u> </u>	FACU	Prevalence Index worksheet:
3. Salx laeugate	35	- <del>                                     </del>	FACE	
4.			<del>11000</del>	FACW species 50 x2= 100
5.				FAC species x 3 = O
	90	= Total Co	ver	FACU species 120 x4= 480
Herb Stratum (Plot size: 5 )	90	N.	Mali	UPL species 0 x 5 = 0
1. Elymus glaucus		<del></del>	FACU	Column Totals: 170 (A) 530 (B)
2. Polypogon monspeliensis		<del>-N</del>	FACW	Prevalence Index = B/A = 3 . 11
3				Hydrophytic Vegetation Indicators:
4.       5.				→ Dominance Test is >50%
6.				Prevalence Index is ≤3.0¹
7				Morphological Adaptations¹ (Provide supporting
8.				data in Remarks or on a separate sheet)
	90	= Total Cov	/er	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)				The second secon
1	. ——			<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2				
/		= Total Cov		Hydrophytic Vegetation
% Bare Ground in Herb Stratum / O % Cover	of Biotic Cr	rust	)	Present? Yes No
Remarks: 10% BB + Lerf little	er .	51.00		

Sampling	Point:	SP-	22

#### SOIL

Profile Description: (Describe to the dept	th needed to document the indicator or	confirm the absence of indicators.)
Depth Matrix	Redox Features	<del>. 3</del>
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup>	Loc <sup>2</sup> Texture Remarks
0-24 10YR 3/2 100		gndy Im
	<del></del>	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=	-Paduced Matrix CS=Covered or Coated S	Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all		Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	3
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present, unless disturbed or problematic.
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):		unless disturbed of problematic.
1958		
Type:		Hudrin Sail Brananta Van Na
Depth (inches):		Hydric Soil Present? Yes No
Remarks:	ad achoes mossing	
No MORIC SOLL	ndicators present	*
,	*	
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required	t check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Salt Crust (B11)	Water Marks (B1) (Riverine)
High Water Table (A2)	Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along Liv	
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled S	
Inundation Visible on Aerial Imagery (B7		Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes I	No Depth (inches):	
Water Table Present? Yes !		
	No V Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)	10 Depti (inches)	Wedana Hydrology Present: Tes No
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previous inspe	ctions), if available:
Remarks:		

Project/Site: Clinton Keith Ext.		City/County	EN	Sampling Date: 8/20/1
				State: CA Sampling Point: SP - 23
Investigator(s): 200kg Dest, Marisa	Flores	Section, To	wnship, Ra	ange:
Landform (hillslope, terrace, etc.): Aream bed				
Subregion (LRR):				
Soil Map Unit Name:				
Are climatic / hydrologic conditions, on the site typical for this				
Are Vegetation $N$ , Soil $N$ , or Hydrology $N$ si				
Are Vegetation, Soil, or Hydrology n				eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s				
Hydrophytic Vegetation Present? Yes No	0			
Hydric Soil Present? Yes No	o V	1.5 (1.	e Sampled	d Area nd? Yes No
		with	in a wetiar	nd? Yes No
Remarks: Dug a test put downstream t	soil o	slar tu	og app	inx the same.
			0 11	
		2 1		
VEGETATION – Use scientific names of plant	ts.			
Tree Stratum (Plot size: 30 )	Absolute % Cover	Dominant Species?		Dominance Test worksheet:
1. Salv lovering to	20		FALW	Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
2.				
3				Total Number of Dominant Species Across All Strata:  (B)
4.				
102		= Total Co	ver	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size: 10 )	25	V	CAC	(12)
1. Caccharis Salicitalia	35	<del></del>	FAC	Prevalence Index worksheet:
2. Artemisia douglasiona 3. Urtica divica	15	$\overline{}$	FATW	
4. Conium maculatum	5	1	TA CW	1
5.				FAC species x3 =
	90	= Total Co	ver	FACU species x 4 =
Herb Stratum (Plot size: 5 )	7	N	4.01	UPL species x 5 =
1. Mischteldia Incona	-10	14	FACH	Column Totals: (A) (B)
3. Phacelia cicutaria	10	7	UPL	Prevalence Index = B/A =
3. Tracella cicarada		/	UPL	Hydrophytic Vegetation Indicators:
5			-	_/ Dominance Test is >50%
6.				Prevalence Index is ≤3.0¹
7			-	Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
3 S S S S S S S S S S S S S S S S S S S	22	= Total Co	ver	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)				Indicators of hudrin and and and and and
1	<del></del>			<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2		= Total Co	———	Hydrophytic
% Bare Ground in Herb Stratum % % % Cover			vei	Vegetation
	of Biotic Ci	rust		Present? Yes No No
Remarks:				
8 8 9				

Sampling Point: S	-23	,
-------------------	-----	---

-	-		
•	^		
J	v		_

Profile Description: (Describe to the Depth Matrix		x Features			<u></u>
(inches) Color (moist) %		%Type	Loc <sup>2</sup>	Texture	Remarks
0-24 2.54 3/3 100				Imu sand	
200				1	
<del></del>					
					_
			_	·	
	_				**************************************
Type: C=Concentration, D=Depletion,			ated Sand G		PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to	all LRRs, unless other	wise noted.)			roblematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redo			1 cm Muck (	
Histic Epipedon (A2)	Stripped Ma				A10) (LRR B)
Black Histic (A3)		ky Mineral (F1)		Reduced Ve	πις (F18) Material (TF2)
Hydrogen Sulfide (A4)	Loamy Gley Depleted Ma	red Matrix (F2)			in in Remarks)
Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D)		Surface (F6)		00161 (Expla	
Depleted Below Dark Surface (A11)		ark Surface (F7)			
Thick Dark Surface (A12)	1 1	ressions (F8)		3Indicators of hyd	rophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pool	s (F9)		wetland hydro	ogy must be present,
Sandy Gleyed Matrix (S4)				unless disturb	ed or problematic.
Restrictive Layer (if present):					
Type:					
Depth (inches):				Hydric Soil Prese	ent? Yes No 🗡
Depth (inches):	ala colobia	(a) 20	11 5/	Hydric Soil Preso	ent? Yes No
Depth (inches):	neter cobblis	20	"No	Hydric Soil Preso	ent? Yes No V
Depth (inches):  Remarks: large > 2" dian  P(PSEVH.	neter cobblis	@ 20	"No	Hydric Soil Prese	ent? Yes No V
Depth (inches):	reter cobblis	@ 20	", No	Mydric Soil Press	ent? Yes No V
Remarks: large >0" dlan	neter cobblis	20	"No	Hydric Soil Preso	ent? Yes No V
Remarks: large > 0" dian Present.	neter cobblis	© 20	"No	Hydric Soil Preso	ent? Yes No V
YDROLOGY Wetland Hydrology Indicators:			"No	Mydric Sc	oil indicators
YDROLOGY Wetland Hydrology Indicators:	uired; check all that apply	y)	"No	Mydric Sc	Indicators (2 or more required)
YDROLOGY Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestrated)  Surface Water (A1)	uired; check all that apply	y) (B11)	", No	Secondary  Water	Indicators (2 or more required)  Marks (B1) (Riverine)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requirement)	uired; check all that appl Salt Crust Biotic Crus	y) (B11) st (B12)		Secondary Water I	Indicators (2 or more required)  Marks (B1) (Riverine)  ent Deposits (B2) (Riverine)
YDROLOGY Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestrated)  Surface Water (A1)	uired; check all that appl Salt Crust Biotic Crus	y) (B11)		Secondary Water I Sedime	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine)
YDROLOGY Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestrated)  Surface Water (A1)  High Water Table (A2)	uired; check all that apply Salt Crust Biotic Crus Aquatic Inv	y) (B11) st (B12)	)	Secondary  Water M Sedime Drift De	Indicators (2 or more required)  Marks (B1) (Riverine)  ent Deposits (B2) (Riverine)  eposits (B3) (Riverine)  ge Patterns (B10)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requestrated Water (A1) High Water Table (A2) Saturation (A3)	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen ne) Oxidized F	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C' Rhizospheres alo	) ) ng Living Ro	Secondary  Water I  Sedime  Drift De  Drainag  oots (C3) Dry-Se	Indicators (2 or more required)  Marks (B1) (Riverine)  ent Deposits (B2) (Riverine)  eposits (B3) (Riverine)  ge Patterns (B10)  ason Water Table (C2)
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requestion of the primary Indicators (Minimum of the requestion of the requestion of the primary Indicators (Minimum of the requestion of	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized F	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C <sup>2</sup> Rhizospheres alcof Reduced Iron	) ) ng Living Ro (C4)	Secondary  Water I  Sedime  Drift De  Drainag  oots (C3) Dry-Se  Crayfis	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8)
YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestred)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriveri	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen ne) Oxidized R Presence of Recent Iro	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C' Rhizospheres ald of Reduced Iron n Reduction in T	) ) ng Living Ro (C4)	Secondary  Water I  Sedime  Drift De  Drainag  oots (C3) Dry-Se.  Crayfisi  Saturat	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9)
Primary Indicators (minimum of one requestion (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen ne) Oxidized R Presence of Recent Iro	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C <sup>2</sup> Rhizospheres alcof Reduced Iron	) ) ng Living Ro (C4)	Secondary  Water N  Sedime  Drift De  Drainag  oots (C3) Dry-Se  Crayfisi  Saturat Shallov	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9 v Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestrated 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 Imageny  Water-Stained Leaves (B9)	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C' Rhizospheres ald of Reduced Iron n Reduction in T	) ) ng Living Ro (C4) illed Soils (C	Secondary  Water N  Sedime  Drift De  Drainag  oots (C3) Dry-Se  Crayfisi  Saturat Shallov	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators: Primary Indicators (minimum of one region of the primary	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro y (B7) Thin Muck	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C' Rhizospheres alcof Reduced Iron in Reduction in T Surface (C7) blain in Remarks	) ng Living Ro (C4) illed Soils (C	Secondary  Water N  Sedime  Drift De  Drainag  oots (C3) Dry-Se  Crayfisi  Saturat Shallov	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9 v Aquitard (D3)
Remarks:    Argl	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C' Rhizospheres alcof Reduced Iron in Reduction in T Surface (C7) blain in Remarks	) ng Living Ro (C4) illed Soils (C	Secondary  Water N  Sedime  Drift De  Drainag  oots (C3) Dry-Se  Crayfisi  Saturat Shallov	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9 v Aquitard (D3)
Primary Indicators (minimum of one requested by Mater Marks (B1) (Nonriverine)  Surface Water (B2) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro y (B7) Thin Muck	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C' Rhizospheres alc of Reduced Iron in Reduction in T Surface (C7) plain in Remarks ches):	) ) ng Living Ro (C4) illed Soils (C	Secondary  Water N  Sedime  Drift De  Drainag  oots (C3) Dry-Se  Crayfisi  Saturat Shallov	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9 v Aquitard (D3)
Primary Indicators (minimum of one requested by Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imageny Water-Stained Leaves (B9) Field Observations: Surface Water Present? Water Table Present? Yes	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro y (B7) No Depth (inc	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C' Rhizospheres alc of Reduced Iron in Reduction in T Surface (C7) blain in Remarks ches):	) ng Living Ro (C4) illed Soils (C	Secondary  Water N  Sedime  Drift De  Drainag  oots (C3) Dry-Se  Crayfisi  Saturat Shallov	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9 v Aquitard (D3) eutral Test (D5)
Primary Indicators (minimum of one region of the primary Indicators (Maria Indicators (Mari	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro y (B7) Thin Muck Other (Exp No Depth (inc	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C' Rhizospheres alc of Reduced Iron in Reduction in T Surface (C7) blain in Remarks ches):	) ng Living Ro (C4) illed Soils (C	Secondary  Water N Sedime Drift De Drainag Oots (C3) Crayfis Shallov FAC-No	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9 v Aquitard (D3) eutral Test (D5)
Remarks:    Argl   Argle   Argle     Primary Indicators (minimum of one requested	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro y (B7) Thin Muck Other (Exp No Depth (inc	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C' Rhizospheres alc of Reduced Iron in Reduction in T Surface (C7) blain in Remarks ches):	) ng Living Ro (C4) illed Soils (C	Secondary  Water N Sedime Drift De Drainag Oots (C3) Crayfis Shallov FAC-No	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9 v Aquitard (D3) eutral Test (D5)
Remarks:    Argl	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro y (B7) Thin Muck Other (Exp No Depth (inc	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C' Rhizospheres alc of Reduced Iron in Reduction in T Surface (C7) blain in Remarks ches):	) ng Living Ro (C4) illed Soils (C	Secondary  Water N Sedime Drift De Drainag Oots (C3) Crayfis Shallov FAC-No	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9 v Aquitard (D3) eutral Test (D5)
Remarks:    AGAL   AGAL   AGAL     Primary Indicators (minimum of one region of the primary Indicators (Marks (B1) (Nonriverine) of the primary Indicators (B2) (Nonriverine) of the primary Indicators (B3) (Nonriverine) of the primary Indicators (B4)    Primary Indicators (B1) (Nonriverine) of the primary (B3) (Nonriverine) of the primary Indicators (B4)    Primary Indicators (Minimum of one region of the primary Indicators (B4) (Nonriverine) of th	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro y (B7) Thin Muck Other (Exp No Depth (inc	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C' Rhizospheres alc of Reduced Iron in Reduction in T Surface (C7) blain in Remarks ches):	) ng Living Ro (C4) illed Soils (C	Secondary  Water N Sedime Drift De Drainag Oots (C3) Crayfis Shallov FAC-No	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9 v Aquitard (D3) eutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestration (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imageny  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  Saturation Present?  Yes  Signal Stream gauge  Water Table Present?  Yes  Signal Stream gauge	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro y (B7) Thin Muck Other (Exp No Depth (inc	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C' Rhizospheres alc of Reduced Iron in Reduction in T Surface (C7) blain in Remarks ches):	) ng Living Ro (C4) illed Soils (C	Secondary  Water N Sedime Drift De Drainag Oots (C3) Crayfis Shallov FAC-No	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9 v Aquitard (D3) eutral Test (D5)
Primary Indicators (minimum of one requested by the second of the second of Data (stream gauge of Data (stream	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro y (B7) Thin Muck Other (Exp No Depth (inc	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C' Rhizospheres alc of Reduced Iron in Reduction in T Surface (C7) blain in Remarks ches):	) ng Living Ro (C4) illed Soils (C	Secondary  Water N Sedime Drift De Drainag Oots (C3) Crayfis Shallov FAC-No	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9 v Aquitard (D3) eutral Test (D5)
Primary Indicators (minimum of one requirement)  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 Imageny  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Ves  Saturation Present?  Yes  Saturation Present?  Yes  Saturation Present?  Yes  Saturation Present?  Yes  Sincludes capillary fringe)  Describe Recorded Data (stream gauge	uired; check all that apply  Salt Crust Biotic Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro y (B7) Thin Muck Other (Exp No Depth (inc	y) (B11) st (B12) vertebrates (B13 Sulfide Odor (C' Rhizospheres alc of Reduced Iron in Reduction in T Surface (C7) blain in Remarks ches):	) ng Living Ro (C4) illed Soils (C	Secondary  Water N Sedime Drift De Drainag Oots (C3) Crayfis Shallov FAC-No	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9 v Aquitard (D3) eutral Test (D5)

Project/Site: Clinton Keuth Gut Applicant/Owner: RCTD	City	y/County:	Riv. Co	Sampling Date: <u>3/20//</u>
Applicant/Owner: RCTD			State: <u>CA</u>	Sampling Point: Sp- 14
Investigator(s): 2014 Wast Maris	Flores ser	ction, Township, Ran	nge:	v
Landform (hillslope, terrace, etc.):				
Subregion (LRR):				
Soil Map Unit Name:				
Are climatic / hydrologic conditions on the site typical for this ti	me of year?	Yes ✓ No	(If no, explain in Re	marks )
Are Vegetation $\[ \mathcal{N} \]$ , Soil $\[ \mathcal{N} \]$ , or Hydrology $\[ \mathcal{N} \]$ sign				esent? Yes No
Are Vegetation $\stackrel{\mathcal{N}}{-}$ , Soil $\stackrel{\mathcal{N}}{-}$ , or Hydrology $\stackrel{\mathcal{N}}{-}$ nat			eded, explain any answers	
SUMMARY OF FINDINGS – Attach site map sh				
Hydrophytic Vegetation Present? Yes No _	V	-		
Hydric Soil Present? Yes No		Is the Sampled		
Wetland Hydrology Present? Yes No _		within a Wetland	d? Yes	No
Remarks:				
VEGETATION Have described for				¥
VEGETATION – Use scientific names of plants				
1 -1		ominant Indicator pecies? Status	Dominance Test worksl	
1. Sambucus nigra			Number of Dominant Spe That Are OBL, FACW, or	ecies (A)
2.		7 +1.0	The state of the s	
3			Total Number of Dominar Species Across All Strata	nt (Q (B)
4				
	15 =1	Total Cover	Percent of Dominant Spe That Are OBL, FACW, or	cies FAC: <u>33</u> (A/B)
Sapling/Shrub Stratum (Plot size: 10 )	1.	1941		(35)
1. Stephan omeria	1	11 000	Prevalence Index works	
	40 _	Y GACY	Total % Cover of:	
3. Ur Aica dioica 4. Amaranthys albus	<del>2</del> -	N FACU	OBL species	x1=
5. Hrschfeldia incana	15	Y JOE	FAC species	
Souchus asper		Total Cover FAC	FACU species 57	$\begin{array}{c}                                     $
Herb Straturo aprotiste 1111				$\begin{array}{c}                                     $
1. Barcharis emoryli		N FACW	Column Totals: 167	(A) 633 (B)
2Total (	DIEC = G	39		- 10
3			Prevalence Index =	B/A = 3.79
4			Hydrophytic Vegetation	Indicators:
5. Harb Stratum Plotsiz		V	Dominance Test is >	
6. Heliotrophin curvassicum	15	Y FACU	Prevalence Index is ≤	
7. Polyposon monspellensis	20	Y FACW	Morphological Adapta	ations <sup>1</sup> (Provide supporting or on a separate sheet)
8. Bromus madritensis	30 15 = T	Y NOL		ytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size: 35 )	= T	otal Cover		y to vogetation (Explain)
1			<sup>1</sup> Indicators of hydric soil a	nd wetland hydrology must
2.			be present, unless disturb	ed or problematic.
	Ø = T	otal Cover	Hydrophytic	
% Bare Ground in Herb Stratum 35 % Cover of	Biotic Crust	_	Vegetation	N. /
Remarks:	Diotic Grust		Present? Yes_	No
Tomana.				
·				
· ·				
				*

Depth Matrix		Redox F	eatures		the absence of indica	
(inches) Color (moist)	% Cold			pe <sup>1</sup> Loc <sup>2</sup>	Texture	Remarks
0-6 2.5 Y 3/3	100	The state of the s	CLEANE WILLIAM COMMON C	A Marcol ( 12 M Marcol ( 12 M M)		
9.0 1 12						
	(A)					
					<del></del>	
						7 - 1000
Type: C=Concentration, D=Depl				Coated Sand Gr		=Pore Lining, M=Matrix.
lydric Soil Indicators: (Applica	able to all LRRs, i	unless otherwi	se noted.)		Indicators for Probl	ematic Hydric Soils <sup>3</sup> :
Histosol (A1)		Sandy Redox (	S5)		1 cm Muck (A9)	(LRR C)
Histic Epipedon (A2)	_	Stripped Matrix	(S6)		2 cm Muck (A10)	(LRR B)
Black Histic (A3)		Loamy Mucky	Mineral (F1	)	Reduced Vertic	F18)
Hydrogen Sulfide (A4)	<u> </u>	Loamy Gleyed	Matrix (F2)		Red Parent Mate	rial (TF2)
Stratified Layers (A5) (LRR C	<b>)</b>	Depleted Matri	x (F3)		Other (Explain in	Remarks)
1 cm Muck (A9) (LRR D)	21 21	Redox Dark St	rface (F6)			
Depleted Below Dark Surface	e (A11)	Depleted Dark	Surface (F	7)		
Thick Dark Surface (A12)	_	Redox Depress	sions (F8)		3Indicators of hydrop	nytic vegetation and
Sandy Mucky Mineral (S1)		Vernal Pools (F	9)		wetland hydrology	must be present,
Sandy Gleyed Matrix (S4)					unless disturbed o	r problematic.
Restrictive Layer (if present):						
Type: (Prap						1./
Depth (inches):					Hydric Soil Present?	Yes No
Remarks:					, su,	
Shovel ref	15 a @ 6	due to	Dres	ined (50	sence of r	1P-TOA. NO by
(a) indi	contous 0	VECENT	. 1	1		18-106. NO hy
5011 11101		g was an a g				
200	1000					
YDROLOGY			,			
Vetland Hydrology Indicators:		-				797
Primary Indicators (minimum of or	no required: abook	all that apply)			Secondary India	ators (2 or more required)
	ne required, check			W W		AVERGRAND CARDON NY MA
Surface Water (A1)		_ Salt Crust (B*			50 50 000 000 00 00	s (B1) (Riverine)
High Water Table (A2)	_	Biotic Crust (I				eposits (B2) (Riverine)
Caturation (A2)		_ Aquatic Inver	ebrates (B	13)		ts (B3) (Riverine)
Saturation (A3)	4.0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Hydrogen Su	fide Odor (	C1)	_ ✓ Drainage P	atterns (B10)
Saturation (A3) Water Marks (B1) (Nonriveri	ne)					
		Oxidized Rhiz	ospheres a	long Living Roo		Water Table (C2)
Water Marks (B1) (Nonriveri Sediment Deposits (B2) (Nor	nriverine)	Oxidized Rhiz		COLUMN TO THE PROPERTY OF THE		Water Table (C2)
Water Marks (B1) (Nonriveri Sediment Deposits (B2) (Nor Drift Deposits (B3) (Nonriver	nriverine)	Presence of F	Reduced Iro	n (C4)	ots (C3) Dry-Seasor Crayfish Bu	Water Table (C2) rrows (C8)
Water Marks (B1) (Nonriveri Sediment Deposits (B2) (Nor Drift Deposits (B3) (Nonriver Surface Soil Cracks (B6)	nriverine)	Presence of F	Reduced Iro	COLUMN TO THE PROPERTY OF THE	ots (C3) Dry-Seasor Crayfish Bu (5) Saturation \	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9)
Water Marks (B1) (Nonriveri Sediment Deposits (B2) (Nor Drift Deposits (B3) (Nonriver Surface Soil Cracks (B6) Inundation Visible on Aerial In	nriverine)	Presence of F Recent Iron F Thin Muck Su	Reduced Iro eduction in rface (C7)	n (C4) Tilled Soils (C6	ots (C3) Dry-Seasor Crayfish Bu S) Saturation \ Shallow Aq	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9 uitard (D3)
Water Marks (B1) (Nonriveri Sediment Deposits (B2) (Nor Drift Deposits (B3) (Nonriver Surface Soil Cracks (B6) Inundation Visible on Aerial Ir Water-Stained Leaves (B9)	nriverine)	Presence of F	Reduced Iro eduction in rface (C7)	n (C4) Tilled Soils (C6	ots (C3) Dry-Seasor Crayfish Bu (5) Saturation \	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9 uitard (D3)
Water Marks (B1) (Nonriveri Sediment Deposits (B2) (Nor Drift Deposits (B3) (Nonriver Surface Soil Cracks (B6) Inundation Visible on Aerial Ir Water-Stained Leaves (B9)	nriverine) rine) magery (B7)	Presence of F Recent Iron F Thin Muck Su Other (Explai	Reduced Iron reduction in rface (C7) n in Remark	n (C4) Tilled Soils (C6	ots (C3) Dry-Seasor Crayfish Bu S) Saturation \ Shallow Aq	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9 uitard (D3)
Water Marks (B1) (Nonriveri Sediment Deposits (B2) (Nor Drift Deposits (B3) (Nonriver Surface Soil Cracks (B6) Inundation Visible on Aerial In Water-Stained Leaves (B9) Field Observations: Surface Water Present?	nriverine) rine) magery (B7) es No	Presence of F Recent Iron F Thin Muck Su Other (Explai	Reduced Iron reduction in reface (C7) in Remarks):	n (C4) Tilled Soils (C6	ots (C3) Dry-Seasor Crayfish Bu S) Saturation \ Shallow Aq	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9) uitard (D3)
Water Marks (B1) (Nonriveri Sediment Deposits (B2) (Nor Drift Deposits (B3) (Nonriver Surface Soil Cracks (B6) Inundation Visible on Aerial In Water-Stained Leaves (B9)  Field Observations: Surface Water Present?	nriverine) rine) magery (B7)	Presence of F Recent Iron F Thin Muck Su Other (Explai	Reduced Iron reduction in reface (C7) in Remarks):	n (C4) Tilled Soils (C6	ots (C3) Dry-Seasor Crayfish Bu b) Saturation \ Shallow Aq FAC-Neutra	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9) uitard (D3) I Test (D5)
Water Marks (B1) (Nonrivering Sediment Deposits (B2) (Nonrivering Drift Deposits (B3) (Nonrivering Surface Soil Cracks (B6)  Inundation Visible on Aerial In Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Vater Table Present?	nriverine) rine) magery (B7) es No	Presence of F Recent Iron F Thin Muck Su Other (Explai	Reduced Ironeduction in rface (C7) in Remarks):s):s):s):s):s	n (C4) Tilled Soils (C6	ots (C3) Dry-Seasor Crayfish Bu S) Saturation \ Shallow Aq	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9) uitard (D3) I Test (D5)
Water Marks (B1) (Nonrivering Sediment Deposits (B2) (Nonrivering Surface Soil Cracks (B6) Inundation Visible on Aerial In Water-Stained Leaves (B9)  Field Observations: Surface Water Present?  Vater Table Present?  Saturation Present?  Yestincludes capillary fringe)	es No/ es No/ es No/	Presence of F Recent Iron F Thin Muck Su Other (Explain Depth (inched De	Reduced Ironeduction in rface (C7) in in Remarks):s):s):s):s):s):s):s	n (C4) Tilled Soils (C6	ots (C3) Dry-Seasor Crayfish Bu  ii) Saturation \     Shallow Aq     FAC-Neutra  and Hydrology Present	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9) uitard (D3) I Test (D5)
Water Marks (B1) (Nonrivering Sediment Deposits (B2) (Nonrivering Drift Deposits (B3) (Nonrivering Surface Soil Cracks (B6) Inundation Visible on Aerial In Water-Stained Leaves (B9)  Field Observations: Surface Water Present?  Vater Table Present?	es No/ es No/ es No/	Presence of F Recent Iron F Thin Muck Su Other (Explain Depth (inched De	Reduced Ironeduction in rface (C7) in in Remarks):s):s):s):s):s):s):s	n (C4) Tilled Soils (C6	ots (C3) Dry-Seasor Crayfish Bu  ii) Saturation \     Shallow Aq     FAC-Neutra  and Hydrology Present	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9) uitard (D3) I Test (D5)
Water Marks (B1) (Nonrivering Sediment Deposits (B2) (Nonrivering Surface Soil Cracks (B6) Inundation Visible on Aerial In Water-Stained Leaves (B9)  Field Observations: Surface Water Present?  Vater Table Present?  Saturation Present?  Yestincludes capillary fringe)	es No/ es No/ es No/	Presence of F Recent Iron F Thin Muck Su Other (Explain Depth (inched De	Reduced Ironeduction in rface (C7) in in Remarks):s):s):s):s):s):s):s	n (C4) Tilled Soils (C6	ots (C3) Dry-Seasor Crayfish Bu  ii) Saturation \     Shallow Aq     FAC-Neutra  and Hydrology Present	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9 uitard (D3) I Test (D5)
Water Marks (B1) (Nonrivering Sediment Deposits (B2) (Nonrivering Surface Soil Cracks (B6) Inundation Visible on Aerial In Water-Stained Leaves (B9)  Field Observations: Surface Water Present?  Vater Table Present?  Saturation Present?  Yestincludes capillary fringe)	es No/ es No/ es No/	Presence of F Recent Iron F Thin Muck Su Other (Explain Depth (inched De	Reduced Ironeduction in rface (C7) in in Remarks):s):s):s):s):s):s):s	n (C4) Tilled Soils (C6	ots (C3) Dry-Seasor Crayfish Bu  ii) Saturation \     Shallow Aq     FAC-Neutra  and Hydrology Present	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9) uitard (D3) I Test (D5)
Water Marks (B1) (Nonrivering Sediment Deposits (B2) (Nonrivering Sediment Deposits (B3) (Nonrivering Surface Soil Cracks (B6)  Inundation Visible on Aerial In Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Veter Table Present?  Saturation Present?  Veter Table Present?  Sediment	es No/ es No/ es No/	Presence of F Recent Iron F Thin Muck Su Other (Explain Depth (inched De	Reduced Ironeduction in rface (C7) in in Remarks):s):s):s):s):s):s):s	n (C4) Tilled Soils (C6	ots (C3) Dry-Seasor Crayfish Bu  ii) Saturation \     Shallow Aq     FAC-Neutra  and Hydrology Present	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9 uitard (D3) I Test (D5)
Water Marks (B1) (Nonrivering Sediment Deposits (B2) (Nonrivering Sediment Deposits (B3) (Nonrivering Surface Soil Cracks (B6)  Inundation Visible on Aerial In Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Vater Table Present?  Surface Water Present?  Vater Table Present (Saturation Present)  Sescribe Recorded Data (Stream)	es No/ es No/ es No/	Presence of F Recent Iron F Thin Muck Su Other (Explain Depth (inched De	Reduced Ironeduction in rface (C7) in in Remarks):s):s):s):s):s):s):s	n (C4) Tilled Soils (C6	ots (C3) Dry-Seasor Crayfish Bu  ii) Saturation \     Shallow Aq     FAC-Neutra  and Hydrology Present	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9 uitard (D3) I Test (D5)
Water Marks (B1) (Nonrivering Sediment Deposits (B2) (Nonrivering Sediment Deposits (B3) (Nonrivering Surface Soil Cracks (B6)  Inundation Visible on Aerial In Water-Stained Leaves (B9)  ield Observations:  Surface Water Present?  Vater Table Present (Vater Table Present)  Vater Table Present (Vater Table Present)	es No/ es No/ es No/	Presence of F Recent Iron F Thin Muck Su Other (Explain Depth (inched De	Reduced Ironeduction in rface (C7) in in Remarks):s):s):s):s):s):s):s	n (C4) Tilled Soils (C6	ots (C3) Dry-Seasor Crayfish Bu  ii) Saturation \     Shallow Aq     FAC-Neutra  and Hydrology Present	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9 uitard (D3) I Test (D5)
Water Marks (B1) (Nonrivering Sediment Deposits (B2) (Nonrivering Sediment Deposits (B3) (Nonrivering Surface Soil Cracks (B6)  Inundation Visible on Aerial In Water-Stained Leaves (B9)  Water-Stained Leaves (B9)  Water Table Present?  Water Table Present (Water Table Present)  Water Table Present (Water Table Present)	es No/ es No/ es No/	Presence of F Recent Iron F Thin Muck Su Other (Explain Depth (inched De	Reduced Ironeduction in rface (C7) in in Remarks):s):s):s):s):s):s):s	n (C4) Tilled Soils (C6	ots (C3) Dry-Seasor Crayfish Bu  ii) Saturation \     Shallow Aq     FAC-Neutra  and Hydrology Present	Water Table (C2) rrows (C8) /isible on Aerial Imagery (C9 uitard (D3) I Test (D5)

Project/Site: C1ton Keith Ext. City/County: Muri	1. / R. V. Co. Sampling Date: 5/20/12
	State: CA Sampling Point: 5 P-15
Investigator(s): 2 West, M Flores Section, Township, Re	ange:
Landform (hillslope, terrace, etc.): Local relief (concave,	convex, none): Concare Slope (%):
Subregion (LRR):	
Soil Map Unit Name:	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are	"Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic? (If n	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 Is the Sample	- 5
Hydric Soil Present?	×
Wetland Hydrology Present? Yes No within a Wetla	nd? Yes No_/
Remarks:	
•	
VEGETATION – Use scientific names of plants.	
Tree Stratum (Plot size: 30 ) Absolute Dominant Indicator Species? Status	Dominance Test worksheet:
1. Salix aevica 20 Y FACH	Number of Dominant Species That Are OBL, FACW, or FAC:
2.	
3	Total Number of Dominant Species Across All Strata:  (B)
4	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: 10') = Total Cover	That Are OBL, FACW, or FAC: (A/B)
1. brechasis emo-nii 30 X FACL	Prevalence Index worksheet:
2. Votica divices 5 N FAC	Total % Cover of: Multiply by:
3. Adenastona fasciculation 7 V UPL	OBL species x 1 =
4. Hirschfeldin incoma 2 N UPL	FACW species x 2 =
5	FACILIZATION X 3 =
Herb Stratum (Plot size: 5')	FACU species x 4 = UPL species x 5 =
1. Polyporon monspeliers: \$ 20 Y FAW	Column Totals: (A) (B)
2	(,)
3	Prevalence Index = B/A =
4	Hydrophytic Vegetation Indicators:  Dominance Test is >50%
5	Prevalence Index is <3.01
6	Morphological Adaptations <sup>1</sup> (Provide supporting
8.	data in Remarks or on a separate sheet)
<u> _ こ</u> = Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)	1
1	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2 = Total Cover	Hydrophytic
	Vegetation
% Bare Ground in Herb Stratum 60 % Cover of Biotic Crust 2	Present? Yes No No
Remarks:	**
*	

Sampling Point:	SP-W	
Cumping rount.		

#### SOIL

	needed to document the indicator or c	
Depth Matrix (inches) Color (moist) %	Redox Features  Color (moist) % Type¹ L	oc <sup>2</sup> Texture Remarks
0-12 7.5 YR25/2 100		Sady clayloan
		*
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=F	Reduced Matrix, CS=Covered or Coated S	and Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all L		Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histosof (A1) Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
Restrictive Layer (if present):		
Type:	_	_
Depth (inches):		Hydric Soil Present? Yes No
Remarks:		Table 1
No hadric	soil indicators	observed.
3,,,,		
	8.0	
	Sec.	
HYDROLOGY		
Wetland Hydrology Indicators:	check all that anniv)	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;	TOTAL SECTION OF THE	Secondary Indicators (2 or more required)  Water Marks (R1) (Rivering)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)	Salt Crust (B11)	Water Marks (B1) (Riverine)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)	Salt Crust (B11) Biotic Crust (B12)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required:  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Livi</li> </ul>	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)	<ul> <li>Salt Crust (B11)</li> <li>Biotic Crust (B12)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Livi</li> <li>Presence of Reduced Iron (C4)</li> </ul>	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)  ng Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Dills (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Primary Indicators (minimum of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations:	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)  ng Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Dills (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required:  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)  ng Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Dills (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required:  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes N Water Table Present? Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes N Water Table Present? Yes N Saturation Present? Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)  ng Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Dills (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
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Project/Site: Clinton Keith Land Ext. City/County: MUTT	Kta RIVErside Sampling Date: 9/9/13
Applicant/Owner: PCTD	State: CA Sampling Point: $\sqrt{P-2}$
	ange:
Landform (hillslope, terrace, etc.): Flood plain Local relief (concave	
Subregion (LRR): Lat:	Long: Datum:
Soil Map Unit Name:	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No	(If no, explain in Remarks.)
	"Normal Circumstances" present? Yes No
Are Vegetation \( \frac{\lambda}{\lambda} \), Soil \( \frac{\lambda}{\lambda} \), or Hydrology \( \frac{\lambda}{\lambda} \) naturally problematic? (If n	eeded, explain any answers in Remarks.)
${\bf SUMMARY\ OF\ FINDINGS-Attach\ site\ map\ showing\ sampling\ point}$	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?  Remarks:  Yes No  Yes No  Is the Sample within a Wetland Wetland Hydrology Present?	- /
VEGETATION – Use scientific names of plants.	
Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 )	Number of Dominant Species
1	That Are OBL, FACW, or FAC: (A)
3.	Total Number of Dominant Species Across All Strata:  (B)
4	Porcent of Deminant Chasins
Sapling/Shrub Stratum (Plot size: = Total Cover	That Are OBL, FACW, or FAC: 25 (A/B)
1	Prevalence Index worksheet:
2	Total % Cover of:Multiply by:
3	OBL species x1 =
4	FACW species $15$ $x = 36$ FAC species $x = 3$
= Total Cover	FACU species x3 = FACU species
Herb Stratum (Plot size: 5	UPL species $15 \times 5 = 75$
1. Helimitus annus 25 7 FACU	Column rotals. 7 (A) 203 (R)
3. Brown on alensis 20 Y FACU	Prevalence Index = B/A =
4. polyponon monspellinsis 15 Y FACU	
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)
7.5 = Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)	
1	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2	The state of the s
% Bare Ground in Herb Stratum 25 % Cover of Biotic Crust	Hydrophytic Vegetation Present?  Yes No
Remarks:	
	j

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Sampling Point: 5P-24

Profile Description: (Describe to the dept		•
Depth Matrix	Redox Features	2
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup> I	_oc <sup>2</sup> Texture Remarks
0-4 7,5 YR2-5/100		Snotneling
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, CS=Covered or Coated S	and Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all L		Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	1
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
Restrictive Layer (if present):		
Type: Clay hadpan		U-4: 0-115
Depth (inches):		Hydric Soil Present? Yes No /
Remarks:	indicators observe	
Landric CAN	3 W Lay 1 64 10 4 5 1 4 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Mr Addie Dat.	Moreon Oppor	
No vadile soi.	Marcon o para	
No VAGILE SOL	Moreonalo Opportu	
HYDROLOGY		
HYDROLOGY  Wetland Hydrology Indicators:		
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required	; check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  Surface Water (A1)	; check all that apply) Salt Crust (B11)	Secondary Indicators (2 or more required)  Mater Marks (B1) (Riverine)
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HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)	; check all that apply)  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)
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HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes N	; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)  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)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes None of the present	; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) 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)  ing Roots (C3) Dry-Season Water Table (C2)  Crayfish Burrows (C8)  oils (C6) Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes N	; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes None of the present of the	; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes No saturation Present? Yes No saturation Present? Yes No saturation Present? Yes No saturation Present? Yes No secribe Recorded Data (stream gauge, more	; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes None of the present of the	; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) 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)  Ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes No saturation Present? Yes No saturation Present? Yes No saturation Present? Yes No saturation Present? Yes No secribe Recorded Data (stream gauge, more	; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) 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)  Ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes No saturation Present? Yes No saturation Present? Yes No saturation Present? Yes No saturation Present? Yes No secribe Recorded Data (stream gauge, more	; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) 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)  Ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes No saturation Present? Yes No saturation Present? Yes No saturation Present? Yes No saturation Present? Yes No secribe Recorded Data (stream gauge, more	; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) 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)  Ing Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No

Applicant/Owner: RCTD				. Co Sampling Date:
				State: A Sampling Point: 19 · 27
Investigator(s): 2 adem West Marisa				
Landform (hillslope, terrace, etc.): 400 d plain				
Subregion (LRR):	Lat:			Long: Datum:
Soil Map Unit Name:				
Are climatic / hydrologic conditions on the site typical for				
Are Vegetation <u>ト</u> , Soil <u></u> , or Hydrology <u>ト</u>	_ significantl	y disturbed?	Are	"Normal Circumstances" present? Yes No
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>V</u>	_ naturally p	roblematic?	(If n	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	n showin	a samplin	a point l	ocations transects important features of
202 E-1-200		J	9 po	e de la composición de la comp
Hydrophytic Vegetation Present? Yes	No	ls th	e Sample	d Area
Hydric Soil Present? Yes	No _V_	1	in a Wetla	. /
Wetland Hydrology Present? Yes	No			
Remarks:				
VEGETATION – Use scientific names of pla	ants.			
		Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30′)		Species?		
1				Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
2				Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: 10 )		_ = Total Co	ver	That Are OBL, FACW, or FAC: (A/
	.35	Y	FACY	Prevalence Index worksheet:
1. Ambrosia portostachy a 2. Rumex cropus		- <del>'</del>	FAL	
3. Urtica dioica		- <del>-</del> -	FACW	OBL species x 1 = O
4. Brassica nigra		- <del>'</del>	MPL	FACW species 8 x2= 16
5. Eriosen canadensis		- <u>,</u>	FACU	FAC species _ 5 _ x3 = _ (5
Pillicharia pallidosa		_ = Total Co	VERAU	FACU species 120 x4 = 480
Herb Stratum (Plot size: 5 / )	•		VOI	UPL species $15 \times 5 = 75$
1. Malvella leproson	40	<u> </u>	FACU	Column Totals: 148 (A) 586 (E
2. Phalaris canariensis	40	<u> </u>	FACU	5861
3				Prevalence Index = B/A = 148 = 3.9
4				Hydrophytic Vegetation Indicators:
5				Dominance Test is >50%
6	_			Prevalence Index is ≤3.0¹
7				Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size: 30 /	90	_ = Total Co	ver	1 residing to the propriet vegetation (Explain)
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1				be present, unless disturbed or problematic.
L		_ = Total Co		Hydrophytic
		_ = 10(a) Co		Vegetation
/		_		
% Bare Ground in Herb Stratum % Co	ver of Biotic (	Crust		Present? Yes No
% Bare Ground in Herb Stratum % Con				
/				
% Bare Ground in Herb Stratum % Con				

Sampling Point: SP27

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)							
Depth	Matrix		Redo	x Features			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup>	
0-15	10YR 2/2	100		_	100		laamy day
	NATIONAL PROPERTY OF THE PROPE				· V		
1- 0.0				· ——		d Cand Cr	21 postion: DI =Doro Lining M_Matrix
	oncentration, D=Depl					u Sanu Gi	rains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.  Indicators for Problematic Hydric Soils <sup>3</sup> :
300		ible to all Li			su.)		
Histosol	5 7 1 5 1 man of the contract		Sandy Red				1 cm Muck (A9) (LRR C)
	oipedon (A2)		Stripped Ma				2 cm Muck (A10) (LRR B)
	stic (A3)		Loamy Muc				Reduced Vertic (F18)
	n Sulfide (A4)		Loamy Gley		(F2)		Red Parent Material (TF2)
A STATE OF THE PROPERTY OF THE	d Layers (A5) (LRR C	;)	Depleted M				Other (Explain in Remarks)
	ick (A9) (LRR D)		Redox Dark				
	d Below Dark Surface	e (A11)	Depleted Da				31 disabase of heaters to Community
	ark Surface (A12)		Redox Dep		-8)		<sup>3</sup> Indicators of hydrophytic vegetation and
	fucky Mineral (S1)		Vernal Pool	s (F9)			wetland hydrology must be present,
	Gleyed Matrix (S4)		1		Alaman -		unless disturbed or problematic.
l	Layer (if present):						
100 M 1 M 100 M 100 M	clay hardpo	an	_				
Depth (inc	ches): <u>(5</u>						Hydric Soil Present? Yes No
Remarks:		- 6			100 May	{	
	to Marie	CO11 1	noi curbi	s ob	SEVVE	d.	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10 1401						
				E()			
<b>HYDROLO</b>	GY						
Wetland Hy	drology Indicators:						
Primary India	cators (minimum of o	ne required:	check all that appl	v)			Secondary Indicators (2 or more required)
		io roganoa,	Salt Crust				Water Marks (B1) (Riverine)
	Water (A1)			0.0000000000000000000000000000000000000			Sediment Deposits (B2) (Riverine)
	iter Table (A2)		Biotic Crus	-1000Mg16-200000000	- (D40)		
Saturation			Aquatic In				Drift Deposits (B3) (Riverine)
Water M	larks (B1) (Nonriveri	ne)	Hydrogen				Drainage Patterns (B10)
Sedimer	nt Deposits (B2) (Nor	rriverine)	Oxidized F	Rhizosphe	res along	Living Roo	ots (C3) Dry-Season Water Table (C2)
1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	oosits (B3) (Nonriver	ine)	Presence				Crayfish Burrows (C8)
	Soil Cracks (B6)		Recent Iro	n Reduction	on in Tille	d Soils (C6	S) Saturation Visible on Aerial Imagery (C9)
Inundati	on Visible on Aerial II	magery (B7)	Thin Muck	Surface (	C7)		Shallow Aquitard (D3)
Water-S	tained Leaves (B9)		Other (Ex	olain in Re	marks)		FAC-Neutral Test (D5)
Field Obser	vations:						
Surface Water		es No	Depth (in	ches):	-		
Water Table			Depth (in			_	
						—     \w41.	and Hydrology Present? Yes No
Saturation P		es No	Depth (in	cnes):		-   Wette	and hydrology Present? Tes _ P No
(includes car Describe Re	corded Data (stream	gauge, mon	itoring well, aerial	photos, pr	evious ins	pections),	if available:
2000	,	J J. ,		•			5
Remarks:		•	£ 1				
IVEILIGINS.	evaporati	we so	ly on	top o f	501	٠.	
	1-1-	mester la					

Project/Site: Clinton Keith extension		0:1 10	•	an	
					State: A Sampling Point: SP-28
Investigator(s): 7 M					
Landform (hillslope, terrace, etc.): Floodplain					
Subregion (LRR):	_ Lat:				Long: Datum:
Soil Map Unit Name:					NWI classification:
Are climatic / hydrologic conditions on the site typical for this	time of ye	ar? Ye	es _⊻	No_	(If no, explain in Remarks.)
Are Vegetation <a>N</a> , Soil <a>D</a> , or Hydrology <a>D</a> si	gnificantly	disturb	ed?	Are '	"Normal Circumstances" present? Yes No
Are Vegetation $\begin{picture}(10,0)\put(0,0)$	aturally pro	blema	tic?		eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map s					A: 10 POSE DI PERMITENDI DE PROPOSITION DE PROPOSIT
Hydrophytic Vegetation Present? Yes No					
Hydric Soil Present? Yes No				e Sampled	
Wetland Hydrology Present? Yes No			withi	n a Wetlaı	nd? Yes No
Remarks:					
		740			
VEGETATION – Use scientific names of plant					
Tree Stratum (Plot size: 30')	Absolute % Cover				Dominance Test worksheet:
1			- 0.0		Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2.					
3.					Total Number of Dominant Species Across All Strata: (B)
4.					
		= Tota	al Cov	er	Percent of Dominant Species That Are OBL, FACW, or FAC:  (A/B)
Sapling/Shrub Stratum (Plot size: \0 1	21		/	FACY	
1. Erigeron canadensis			7		Prevalence Index worksheet:
2. Helianthus annus 3. Cirsium Vulgare			<del>,</del> -	FACH	
4. Ambrosia osilostachya	A 100 A		<del>/</del> .	FACY	OBL species x 1 = FACW species
5 PLIMON RESOUR	73	-	<del></del> .	FAC	FAC species x2 =
Urtica divica  Herb Stratum (Plot size: 5')	-5	= Tota	ol Cov	rerFALW	FACU species 99 x4 = 396
Herb Stratum (Plot size: 5	<del>- 89</del>	_ 100	ai Cov	Ci	UPL species x5 =
1. Malvella leprosa	15	$\overline{\lambda}$		FACU	Column Totals: 109 (A) 421 (B)
2		-			
3				-	Prevalence Index = B/A = $\frac{4^2/109 \approx 3.86}{100}$
4					Hydrophytic Vegetation Indicators:
5					Dominance Test is >50%
6					Prevalence Index is ≤3.0¹
7					Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8	15				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size: 30		= Tota	al Cov	er	, , , , , , , , , , , , , , , , , , , ,
1					<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2.					be present, unless disturbed or problematic.
		= Tota	al Cov	er	Hydrophytic
% Bare Ground in Herb Stratum % Cover of	of Biotic Cr	rust	9		Vegetation Present? YesNo
Remarks:	J. DIOGO OI	uoi			resNo
Tromand.					

Sampling Point: SP-QB

Depth Matrix		Red	ox Feature:	Time1	Loc <sup>2</sup>	Toytura		Dom!	
(inches) Color (moist)		Color (moist)	%	Type <sup>1</sup>	2000	Texture		Remarks	1
D-34 104R3/2	<u>88 N</u>	18.5/N	_12_	<u> 35 - </u>	MB	1 oany clay	Sout	mineral	in workix
						-			
Type: C=Concentration, D=De	epletion, RM=R	educed Matrix, C	S=Covered	or Coate	d Sand G			=Pore Lining, N	
ydric Soil Indicators: (Appl	icable to all LF			ed.)				ematic Hydric	Soils <sup>3</sup> :
_ Histosol (A1)		Sandy Red	and the same of the same			1 cm M		All and the second seco	
_ Histic Epipedon (A2)		Stripped M		(F4)		2 cm M		- 33	
Black Histic (A3)		Loamy Mu Loamy Gle					ed Vertic (	erial (TF2)	
<ul><li>Hydrogen Sulfide (A4)</li><li>Stratified Layers (A5) (LRF</li></ul>	C)	Depleted N	이번 사람들이 있는데 아이들은 아이를 하는데	(1-2)				Remarks)	
1 cm Muck (A9) (LRR D)	. •)	Redox Dar		F6)		001 (	p.a.ii	omanoj	
Depleted Below Dark Surfa	ice (A11)	Depleted D							
Thick Dark Surface (A12)		Redox Dep				3Indicators	of hydropl	nytic vegetation	and
Sandy Mucky Mineral (S1)		Vernal Poo	ols (F9)				.170	must be prese	nt,
Sandy Gleyed Matrix (S4)						unless di	sturbed o	r problematic.	
lestrictive Layer (if present):									/
Туре:									
								V	NI- V
Depth (inches):	dric s	ibni lio	Cato	(S (	ibser	Hydric Soil	Present?	Tes	No <u>V</u>
Remarks: No M	dric s	oil lindi	Outo	(S (	ibser		Present?	res	NO
Pemarks: No My		oil Indi	Cato	(S (	iloser		Present?	Yes	NO S
YDROLOGY Vetland Hydrology Indicators	s:			(S (	ibser	rved.		100	
YDROLOGY Vetland Hydrology Indicators	s:	check all that app	oly)	(S (	ibser	Secon	dary Indic	ators (2 or mor	e required)
YDROLOGY Vetland Hydrology Indicators rimary Indicators (minimum of Surface Water (A1)	s:	check all that app	oly) t (B11)	(S (	ibser	Secon W	dary Indica ater Mark	ators (2 or mor s (B1) ( <b>Riveri</b> n	e required)
YDROLOGY Vetland Hydrology Indicators Irimary Indicators (minimum of Surface Water (A1) High Water Table (A2)	s:	check all that app Salt Crus Biotic Cru	oly) t (B11) ust (B12)		iloser	Secon  Secon  Secon	dary Indic ater Mark	ators (2 or mor s (B1) (Riverin eposits (B2) (R	e required) e) liverine)
YDROLOGY Vetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3)	s: one required;	check all that app Salt Crus Biotic Cru Aquatic Ir	oly) t (B11) ust (B12) nvertebrate	s (B13)	ibser	Secon W Se Dr	dary Indicater Mark ediment D	ators (2 or mor s (B1) (Riverin eposits (B2) (R ts (B3) (Riverin	e required) e)
YDROLOGY Vetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive	s: one required; o	check all that app Salt Crus Biotic Cru Aquatic Ir Hydroger	oly) t (B11) ust (B12) nvertebrate	s (B13) dor (C1)		Secon  W Se Di	dary Indig ater Mark ediment D rift Deposi rainage Pa	ators (2 or mor s (B1) (Riverin eposits (B2) (R ts (B3) (Riverin atterns (B10)	e required) e) liverine)
YDROLOGY  Vetland Hydrology Indicators  Primary Indicators (minimum of  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonrive  Sediment Deposits (B2) (N	s: one required; one required;	check all that app Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized	oly) t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe	s (B13) dor (C1) res along	Living Roo	Secon  W Se Dr Dr Dts (C3) Dr	dary Indic later Mark ediment D rift Deposi rainage Pa y-Seasor	ators (2 or mor s (B1) (Riverin eposits (B2) (R tts (B3) (Riverin atterns (B10)	e required) e) liverine)
YDROLOGY  Vetland Hydrology Indicators  Primary Indicators (minimum of  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonrive  Sediment Deposits (B2) (Nonrive)  Drift Deposits (B3) (Nonrive)	s: one required; one required;	check all that app Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence	oly) t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe	s (B13) dor (C1) res along d Iron (C4	Living Roo	Secon  W Se Dr Dr Ots (C3) Dr	dary Indig ater Mark ediment D rift Deposi rainage Pa ry-Seasor rayfish Bu	ators (2 or mor s (B1) (Riverin eposits (B2) (Rits (B3) (Riverin atterns (B10) i Water Table (i	e required) (e) (iverine) (ne) (C2)
YDROLOGY  Vetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (Norrive Surface Soil Cracks (B6)	s: one required; ( erine) onriverine) verine)	check all that app Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence	oly)  t (B11)  ust (B12)  nvertebrate  n Sulfide Oo  Rhizosphe  of Reduce  on Reducti	s (B13) dor (C1) res along d Iron (C4 on in Tilled	Living Roo	Secon  W Se Dr Dr Cr Cr Si) Se	dary Indicater Markediment Deposited in Season Taylor Season Taylor Naturation Naturatio	ators (2 or mor s (B1) (Riverin eposits (B2) (R ts (B3) (Riverin atterns (B10) i Water Table ( rrows (C8) /isible on Aeria	e required) (e) (iverine) (ne) (C2)
YDROLOGY  Vetland Hydrology Indicators  Primary Indicators (minimum of  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonrive  Sediment Deposits (B2) (Norrive  Surface Soil Cracks (B6)  Inundation Visible on Aeria	s: one required; of the serine	check all that app Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir	oly)  t (B11)  ust (B12)  nvertebrate  n Sulfide Oo  Rhizosphe  of Reduce  on Reducti  k Surface (	s (B13) dor (C1) res along d Iron (C4 on in Tilled	Living Roo	Secon  W Se Dr Dr Cts (C3) Dr Cts Si St	dary Indicater Markediment Deposited in the properties of the prop	ators (2 or mor s (B1) (Riverin eposits (B2) (R ts (B3) (Riverin atterns (B10) i Water Table (i rrows (C8) /isible on Aeria uitard (D3)	e required) (e) (iverine) (ne) (C2)
YDROLOGY  Vetland Hydrology Indicators  Primary Indicators (minimum of  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonrive  Sediment Deposits (B2) (N  Drift Deposits (B3) (Nonrive  Surface Soil Cracks (B6)  Inundation Visible on Aeria  Water-Stained Leaves (B9)	s: one required; of the serine	check all that app Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir	oly)  t (B11)  ust (B12)  nvertebrate  n Sulfide Oo  Rhizosphe  of Reduce  on Reducti	s (B13) dor (C1) res along d Iron (C4 on in Tilled	Living Roo	Secon  W Se Dr Dr Cts (C3) Dr Cts Si St	dary Indicater Markediment Deposite ainage Paray-Season autoration \aterus attraction \attraction \aterus attraction \attraction \at	ators (2 or mor s (B1) (Riverin eposits (B2) (R ts (B3) (Riverin atterns (B10) i Water Table ( rrows (C8) /isible on Aeria	e required) (e) (iverine) (ne) (C2)
YDROLOGY  Vetland Hydrology Indicators  Primary Indicators (minimum of  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonrive  Sediment Deposits (B2) (N  Drift Deposits (B3) (Nonrive  Surface Soil Cracks (B6)  Inundation Visible on Aeria  Water-Stained Leaves (B9)	s: one required; one required;	check all that app Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Thin Muc	oly)  t (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe of Reduce on Reducti k Surface ( oplain in Re	s (B13) dor (C1) res along d Iron (C4 on in Tilled C7) marks)	Living Roo l) d Soils (C6	Secon  W Se Dr Dr Cts (C3) Dr Cts Si St	dary Indicater Markediment Deposite ainage Paray-Season autoration \aterus attraction \attraction \aterus attraction \attraction \at	ators (2 or mor s (B1) (Riverin eposits (B2) (R ts (B3) (Riverin atterns (B10) i Water Table (i rrows (C8) /isible on Aeria uitard (D3)	e required) (e) (iverine) (ne) (C2)
YDROLOGY  Vetland Hydrology Indicators  Primary Indicators (minimum of  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonrive  Sediment Deposits (B2) (Nounder Marks (B1))  Drift Deposits (B3) (Nonrive  Surface Soil Cracks (B6)  Minundation Visible on Aeria  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?	erine) onriverine) erine) I Imagery (B7)	check all that app Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	t (B11) ust (B12) nvertebrate n Sulfide Or Rhizosphe of Reduce on Reducti k Surface ( xplain in Re	s (B13) dor (C1) res along d Iron (C4 on in Tilled C7) marks)	Living Roo l) d Soils (C6	Secon  W Se Dr Dr Cts (C3) Dr Cts Si St	dary Indicater Markediment Deposite ainage Paray-Season autoration \aterus attraction \attraction \aterus attraction \attraction \at	ators (2 or mor s (B1) (Riverin eposits (B2) (R ts (B3) (Riverin atterns (B10) i Water Table (i rrows (C8) /isible on Aeria uitard (D3)	e required) (e) (iverine) (ne) (C2)
YDROLOGY  Vetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (Nourive Surface Soil Cracks (B6)  Inundation Visible on Aeria Water-Stained Leaves (B9)  Field Observations: Surface Water Present?  Water Table Present?	s: one required; of one	Salt Crus Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	oly)  t (B11)  ust (B12)  nvertebrate  n Sulfide Oc  Rhizosphe  of Reduce  on Reducti  k Surface (  xplain in Re  nches):	s (B13) dor (C1) res along d Iron (C4 on in Tilled C7) marks)	Living Roo i) d Soils (C6	Secon  W Se Dr Dr Ots (C3) Dr Cr Si St FA	dary Indicater Markediment Deposite Teleposite Teleposi	ators (2 or mor s (B1) (Riverin eposits (B2) (Riverin atterns (B10) i Water Table (i rrows (C8) /isible on Aeria uitard (D3) il Test (D5)	e required) (iverine) (ne) (C2) I Imagery (C9)
YDROLOGY  Vetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (Nonrive Surface Soil Cracks (B6) X Inundation Visible on Aeria Water-Stained Leaves (B9) Field Observations: Surface Water Present? Vater Table Present? Saturation Present?	s: one required; of one	check all that app Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	oly)  t (B11)  ust (B12)  nvertebrate  n Sulfide Oc  Rhizosphe  of Reduce  on Reducti  k Surface (  xplain in Re  nches):	s (B13) dor (C1) res along d Iron (C4 on in Tilled C7) marks)	Living Roo i) d Soils (C6	Secon  W Se Dr Dr Cts (C3) Dr Cts Si St	dary Indicater Markediment Deposite Teleposite Teleposi	ators (2 or mor s (B1) (Riverin eposits (B2) (Riverin atterns (B10) i Water Table (i rrows (C8) /isible on Aeria uitard (D3) il Test (D5)	e required) (e) (iverine) (ne) (C2)
YDROLOGY  Vetland Hydrology Indicators  Primary Indicators (minimum of  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonrive  Sediment Deposits (B2) (Nourive  Surface Soil Cracks (B6)  Inundation Visible on Aeria  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Saturation Present?  Saturation Present?	s: one required; of one	check all that app Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	t (B11) ust (B12) nvertebrate n Sulfide Oc Rhizosphe on Reducti k Surface ( xplain in Re nches): nches):	s (B13) dor (C1) res along d Iron (C4 on in Tilled C7) marks)	Living Root) d Soils (C6	Secon   W   Secon   Di	dary Indicater Markediment Deposite Teleposite Teleposi	ators (2 or mor s (B1) (Riverin eposits (B2) (Riverin atterns (B10) i Water Table (i rrows (C8) /isible on Aeria uitard (D3) il Test (D5)	e required) (e) (tiverine) (ne) (C2) I Imagery (C9)
YDROLOGY  Wetland Hydrology Indicators  Primary Indicators (minimum of  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonrive  Sediment Deposits (B2) (Norrive  Surface Soil Cracks (B6)  Inundation Visible on Aeria  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Saturation Present?  Saturation Present?  (includes capillary fringe)  Describe Recorded Data (streat	erine) onriverine) erine) I Imagery (B7)  Yes No Yes No Yes No m gauge, moni	check all that app  Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	bly)  t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe of Reduce on Reducti k Surface ( xplain in Re nches):	s (B13) dor (C1) res along d Iron (C4 on in Tilled C7) marks)	Living Root) d Soils (C6	Secon   W   Secon   Di	dary Indicater Markediment Deposite Teleposite Teleposi	ators (2 or mor s (B1) (Riverin eposits (B2) (Riverin atterns (B10) i Water Table (i rrows (C8) /isible on Aeria uitard (D3) il Test (D5)	e required) (iverine) (ne) (C2) I Imagery (C9)
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YDROLOGY  Vetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (Norrive Surface Soil Cracks (B6) Inundation Visible on Aeria Water-Stained Leaves (B9) Field Observations: Surface Water Present? Vater Table Present? Saturation Present?	erine) onriverine) erine) I Imagery (B7)  Yes No Yes No Yes No m gauge, moni	check all that app  Salt Crus Biotic Cru Aquatic Ir Hydroger Oxidized Presence Recent Ir Thin Muc Other (Ex	bly)  t (B11) ust (B12) nvertebrate n Sulfide Oo Rhizosphe of Reduce on Reducti k Surface ( xplain in Re nches):	s (B13) dor (C1) res along d Iron (C4 on in Tilled C7) marks)	Living Root) d Soils (C6	Secon   W   Secon   Di	dary Indicater Markediment Deposite Teleposite Teleposi	ators (2 or mor s (B1) (Riverin eposits (B2) (Riverin atterns (B10) i Water Table (i rrows (C8) /isible on Aeria uitard (D3) il Test (D5)	e required) (iverine) (ne) (C2) I Imagery (C9)

Project/Site: (Unton Keth Extension		City/County:	RIV	. Co	Sampling Date: 9/9//3
Applicant/Owner: ROD	N		1	State: _ CA	Sampling Point: SP - 29
				ge:	
Landform (hillslope, terrace, etc.): Cloods an					Slope (%): ∠
Subregion (LRR):					
Soil Map Unit Name:					
Are climatic / hydrologic conditions on the site typical for thi					
Are Vegetation $\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$					· · · · · · · · · · · · · · · · · · ·
Are Vegetation N, Soil N, or Hydrology N				eded, explain any answe	
SUMMARY OF FINDINGS – Attach site map				20 (13)	:150
Hydrophytic Vegetation Present? Yes N	10 ×	1	^		
Hydric Soil Present? Yes N	lo X	500 00000 0	Sampled a Wetlan		No ×
Wetland Hydrology Present?  Yes   N	lo	Within	a Wetlan	u: [es	NO
Remarks:					
VEGETATION – Use scientific names of plan	ıts.			300	
4.1		Dominant In		Dominance Test work	sheet:
Tree Stratum (Plot size: 20'	% Cover	Species? S	Status_	Number of Dominant Sp	pecies
1	<del>-</del> ::			That Are OBL, FACW,	or FAC: (A)
1. 2. 3.		-	-	Total Number of Domin	3
3				Species Across All Stra	ta: (B)
7.	D	= Total Cover	r	Percent of Dominant Sp	
Sapling/Shrub Stratum (Plot size: \ \ \ \ \ \ \ \ )	·			That Are OBL, FACW, o	OFFAC (A/E
1. Ambrosia psilostachya	12		<u>FACU</u>	Prevalence Index work	
2. Runex crisque	- 5_	<del></del>	MC	Total % Cover of:	
3. Cirgium Julgare 4. Urtica dioica			FACU	OBL species	$\frac{1}{7} = \frac{1}{34}$
5.	- <del>- 4</del>		11/000	FAC species5	<u>, , , , , , , , , , , , , , , , , , , </u>
	24	= Total Cover		FACU species	
Herb Stratum (Plot size: 5 )		Secretary reserved to the second responsible to the second reserved		UPL species	
1. Mawella leprosa	15		ACU	Column Totals:5	<u>ч</u> (A) <u>177</u> (В)
2. Frankenia salina			AS	Drovolones Index	= B/A = 3.27
3				Hydrophytic Vegetation	S SENSONIO S
<b>4 5</b>				Dominance Test is	
6.				Prevalence Index is	1000000
7			- 1	Morphological Adap	ptations <sup>1</sup> (Provide supporting
8					or on a separate sheet)
	30	= Total Cover		Problematic Hydrop	ohytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:)			-	1 Indicators of budgie sail	and wetland hydrology must
1				be present, unless distu	irbed or problematic.
2		= Total Cover		Hydrophytic	*
× 5 - 0 - 1 - 1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2				Vegetation	×
% Bare Ground in Herb Stratum 70 % Cover			_	Vegetation Present? Yes	No <u>/                                  </u>
Remarks: Area has been burned	, Rom C.	vegeta	stron i	s starting to	grow back
v s		٧	í,	U	V
j.					
			14		

Sampling Point: SP 29

	m the absence of indicators.)
Depth Matrix Redox Features	T. day
(inches) Color (moist) % Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	1
0-18 104 R 2/2 100	loamy clay
	· 200
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand G	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2) Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3) Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C) Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)	3
Thick Dark Surface (A12) Redox Depressions (F8)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)  — Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	unless disturbed or problematic.
Restrictive Layer (if present):	
Type: <u>clay hardpan</u>	
Depth (inches):	Hydric Soil Present? Yes No
Remarks:	
No hydric soil indicators observed.	The state of the s
INVERSI COV	
HYDROLOGY	
Wetland Hydrology Indicators:	
	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators:	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)	
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1) High Water Table (A2) Biotic Crust (B12)	Water Marks (B1) (Riverine)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1) Salt Crust (B11)  High Water Table (A2) Biotic Crust (B12)  Saturation (A3) Aquatic Invertebrates (B13)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Ro	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  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)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1) Salt Crust (B11)  High Water Table (A2) Biotic Crust (B12)  Saturation (A3) Aquatic Invertebrates (B13)  Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1)  Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Ro  Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4)  Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1) Salt Crust (B11)  High Water Table (A2) Biotic Crust (B12)  Saturation (A3) Aquatic Invertebrates (B13)  Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1)  Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Ro  Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4)  Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)         Surface Water (A1)       Salt Crust (B11)         High Water Table (A2)       Biotic Crust (B12)         Saturation (A3)       Aquatic Invertebrates (B13)         Water Marks (B1) (Nonriverine)       Hydrogen Sulfide Odor (C1)         Sediment Deposits (B2) (Nonriverine)       Oxidized Rhizospheres along Living Ro         Drift Deposits (B3) (Nonriverine)       Presence of Reduced Iron (C4)         Surface Soil Cracks (B6)       Recent Iron Reduction in Tilled Soils (C         Inundation Visible on Aerial Imagery (B7)       Thin Muck Surface (C7)         Water-Stained Leaves (B9)       Other (Explain in Remarks)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1) Salt Crust (B11) High Water Table (A2) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Ro Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)         Surface Water (A1)       Salt Crust (B11)         High Water Table (A2)       Biotic Crust (B12)         Saturation (A3)       Aquatic Invertebrates (B13)         Water Marks (B1) (Nonriverine)       Hydrogen Sulfide Odor (C1)         Sediment Deposits (B2) (Nonriverine)       Oxidized Rhizospheres along Living Ro         Drift Deposits (B3) (Nonriverine)       Presence of Reduced Iron (C4)         Surface Soil Cracks (B6)       Recent Iron Reduction in Tilled Soils (C         Inundation Visible on Aerial Imagery (B7)       Thin Muck Surface (C7)         Water-Stained Leaves (B9)       Other (Explain in Remarks)         Field Observations:         Surface Water Present?       Yes No Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)         Surface Water (A1)       Salt Crust (B11)         High Water Table (A2)       Biotic Crust (B12)         Saturation (A3)       Aquatic Invertebrates (B13)         Water Marks (B1) (Nonriverine)       Hydrogen Sulfide Odor (C1)         Sediment Deposits (B2) (Nonriverine)       Oxidized Rhizospheres along Living Ro         Drift Deposits (B3) (Nonriverine)       Presence of Reduced Iron (C4)         Surface Soil Cracks (B6)       Recent Iron Reduction in Tilled Soils (C         Inundation Visible on Aerial Imagery (B7)       Thin Muck Surface (C7)         Water-Stained Leaves (B9)       Other (Explain in Remarks)         Field Observations:         Surface Water Present?       Yes       No       Depth (inches):         Water Table Present?       Yes       No       Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)         Surface Water (A1)       Salt Crust (B11)         High Water Table (A2)       Biotic Crust (B12)         Saturation (A3)       Aquatic Invertebrates (B13)         Water Marks (B1) (Nonriverine)       Hydrogen Sulfide Odor (C1)         Sediment Deposits (B2) (Nonriverine)       Oxidized Rhizospheres along Living Ro         Drift Deposits (B3) (Nonriverine)       Presence of Reduced Iron (C4)         Surface Soil Cracks (B6)       Recent Iron Reduction in Tilled Soils (C         Inundation Visible on Aerial Imagery (B7)       Thin Muck Surface (C7)         Water-Stained Leaves (B9)       Other (Explain in Remarks)         Field Observations:         Surface Water Present?       Yes       No       Depth (inches):       Water Table Present?       Water Table Present? <td>Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)</td>	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)         Surface Water (A1)       Salt Crust (B11)         High Water Table (A2)       Biotic Crust (B12)         Saturation (A3)       Aquatic Invertebrates (B13)         Water Marks (B1) (Nonriverine)       Hydrogen Sulfide Odor (C1)         Sediment Deposits (B2) (Nonriverine)       Oxidized Rhizospheres along Living Ro         Drift Deposits (B3) (Nonriverine)       Presence of Reduced Iron (C4)         Surface Soil Cracks (B6)       Recent Iron Reduction in Tilled Soils (C         Inundation Visible on Aerial Imagery (B7)       Thin Muck Surface (C7)         Water-Stained Leaves (B9)       Other (Explain in Remarks)         Field Observations:         Surface Water Present?       Yes       No       Depth (inches):       Water Table Present?       Yes       No       Depth (inches):       Water Table Present?       Yes       No       Depth (inches):       Water Depth (inches):       Water Table Present?       Yes       No       Depth (inches):       Water Depth (inches):       Wate	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)         Surface Water (A1)       Salt Crust (B11)         High Water Table (A2)       Biotic Crust (B12)         Saturation (A3)       Aquatic Invertebrates (B13)         Water Marks (B1) (Nonriverine)       Hydrogen Sulfide Odor (C1)         Sediment Deposits (B2) (Nonriverine)       Oxidized Rhizospheres along Living Ro         Drift Deposits (B3) (Nonriverine)       Presence of Reduced Iron (C4)         Surface Soil Cracks (B6)       Recent Iron Reduction in Tilled Soils (C         Inundation Visible on Aerial Imagery (B7)       Thin Muck Surface (C7)         Water-Stained Leaves (B9)       Other (Explain in Remarks)         Field Observations:         Surface Water Present?       Yes       No       Depth (inches):       Water Table Present?       Water Table Present? <td>Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)</td>	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)         Surface Water (A1)       Salt Crust (B11)         High Water Table (A2)       Biotic Crust (B12)         Saturation (A3)       Aquatic Invertebrates (B13)         Water Marks (B1) (Nonriverine)       Hydrogen Sulfide Odor (C1)         Sediment Deposits (B2) (Nonriverine)       Oxidized Rhizospheres along Living Ro         Drift Deposits (B3) (Nonriverine)       Presence of Reduced Iron (C4)         Surface Soil Cracks (B6)       Recent Iron Reduction in Tilled Soils (C         Inundation Visible on Aerial Imagery (B7)       Thin Muck Surface (C7)         Water-Stained Leaves (B9)       Other (Explain in Remarks)         Field Observations:         Surface Water Present?       Yes       No       Depth (inches):       Wet         Water Table Present?       Yes       No       Depth (inches):       Wet         Saturation Present?       Yes       No       Depth (inches):       Wet	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)         Surface Water (A1)       Salt Crust (B11)         High Water Table (A2)       Biotic Crust (B12)         Saturation (A3)       Aquatic Invertebrates (B13)         Water Marks (B1) (Nonriverine)       Hydrogen Sulfide Odor (C1)         Sediment Deposits (B2) (Nonriverine)       Oxidized Rhizospheres along Living Ro         Drift Deposits (B3) (Nonriverine)       Presence of Reduced Iron (C4)         Surface Soil Cracks (B6)       Recent Iron Reduction in Tilled Soils (C         Inundation Visible on Aerial Imagery (B7)       Thin Muck Surface (C7)         Water-Stained Leaves (B9)       Other (Explain in Remarks)         Field Observations:         Surface Water Present?       Yes       No       Depth (inches):       Wet         Water Table Present?       Yes       No       Depth (inches):       Wet         Saturation Present?       Yes       No       Depth (inches):       Wet         Cincludes capillary fringe)       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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Project/Site: Clinton Keith Extension		City/Coun	ty: MUTT	ieta, Riverside sampling Date: 9/10/13
Applicant/Owner:				State: CA Sampling Point: SP-30
Investigator(s): 20km West, Marisa Flore	es .	Section, T	ownship, Ra	ange:
Landform (hillslope, terrace, etc.): dopressional				
Subregion (LRR):	Lat:			Long: Datum:
Soil Map Unit Name:				
Are climatic / hydrologic conditions on the site typical for th				
Are Vegetation $N$ , Soil $N$ , or Hydrology $N$				"Normal Circumstances" present? Yes No
Are Vegetation $N$ , Soil $N$ , or Hydrology $N$	naturally pro	blematic?		eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	sampli	na point l	ocations, transects, important features, etc.
			g p	The state of the s
Hydrophytic Vegetation Present? Yes X N		ls t	the Sampled	
Hydric Soil Present?  Wetland Hydrology Present?  Yes N		wit	thin a Wetla	nd? Yes NoX
Remarks:				
VEGETATION – Use scientific names of plan	ite		-	
•	NO. 3 (SECONDO)	Dominar	nt Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 301 )	% Cover	Species'	? Status	Number of Dominant Species 2
1				That Are OBL, FACW, or FAC: (A)
3.	-			Total Number of Dominant
4.				Species Across All Strata: (B)
"	0	= Total C	over	Percent of Dominant Species That Are OBL, FACW, or FAC:  (A/B)
Sapling/Shrub Stratum (Plot size: 101 )			200	,
1. Helianthus annuus 2. Xanthum Strumarium	- <u>30</u> 8	<u> </u>	FACY	Prevalence Index worksheet:
3			MIC	
4.				FACW species x 2 =
5		0 22		FAC species x 3 =
Herb Stratum (Plot size: 5')	38	= Total C	over	FACU species x 4 =
1. Malvella Corosa	_30	Y	FAC	UPL species x 5 =
		- <del>y</del>	FACW	Column Totals: (A) (B)
2. Polypogon monspellensis 3. An enworks californica	2	N	OBL	Prevalence Index = B/A =
4			- ——	Hydrophytic Vegetation Indicators:
5				Dominance Test is >50%
6				Prevalence Index is ≤3.0¹
7				Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size: 30 )	87	= Total Co	over	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size: 50		- Total O	ovci	
1				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2/	. ——			The state of the s
% Bare Ground in Herb Stratum / O % Cover		= Total Co	over	Hydrophytic Vegetation
% Bare Ground in Fleib Giratum % Cover	of Biotic Cr	ust		Present? Yes No
Remarks:				,

Profile Desc	ription: (Describe to	o the depth				or confirn	n the absence of indicators.)
Depth	Matrix		Red	ox Feature	S T 1	1 2	Touture
(inches)	Color (moist)	%	Color (moist)	%	iype'	Loc <sup>2</sup>	
0-10	2.54 2.3/1	100					loamy day
4.							
							33.0
						-	
			-				
			-			<del>27 - 12 3</del>	1
<del></del>					ev. — — — — — — — — — — — — — — — — — — —	-	
					·		
	oncentration, D=Deple					d Sand G	
Hydric Soil	Indicators: (Applica	ble to all L			ed.)		Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol	A Second Company of the Company of t		Sandy Red				1 cm Muck (A9) (LRR C)
(7) (8)	oipedon (A2)		Stripped M				2 cm Muck (A10) (LRR B)
Principal Care Care Care Care Care Care Care Care	stic (A3)		Loamy Mu	The second second second			Reduced Vertic (F18)
	n Sulfide (A4)		Loamy Gle		(F2)		Red Parent Material (TF2)
	Layers (A5) (LRR C	)	Depleted N		(EC)		Other (Explain in Remarks)
	ick (A9) (LRR D)	(844)	Redox Dar				
	d Below Dark Surface	(A11)	Depleted D				<sup>3</sup> Indicators of hydrophytic vegetation and
A STATE OF THE STA	ark Surface (A12) lucky Mineral (S1)		Vernal Poo		1 0)		wetland hydrology must be present,
	Bleyed Matrix (S4)		venian oc	)is (i <i>b)</i>			unless disturbed or problematic.
	Layer (if present):	-					
Type:							
Depth (in	chec).						Hydric Soil Present? Yes No 🔀
						200	.,
Remarks:	1 , 14,0	0-1	in Linut	mer N	ncer	hou	
	10 Maric	5011	indicat	UIS U	UBCI	450-	
	(						
				4.00			
HYDROLO	GY						
Wetland Hy	drology Indicators:					100	
Primary India	cators (minimum of or	e required:	check all that app	oly)			Secondary Indicators (2 or more required)
	Water (A1)		Salt Crus				Water Marks (B1) (Riverine)
	iter Table (A2)		X Biotic Cru				Sediment Deposits (B2) (Riverine)
Saturation				nvertebrate	s (B13)		Drift Deposits (B3) (Riverine)
	larks (B1) ( <b>Nonriveri</b> i	10)	Hydroger				Drainage Patterns (B10)
	nt Deposits (B2) (Non					Livina Ro	ots (C3) Dry-Season Water Table (C2)
			Presence				Crayfish Burrows (C8)
100	oosits (B3) (Nonriveri	ne)	Recent Ir				
A TOTAL CONTRACTOR	Soil Cracks (B6)	(DZ)				u Solis (Ci	
A TOTAL CONTRACT OF THE PARTY O	on Visible on Aerial In	nagery (B7)					Shallow Aquitard (D3)
	tained Leaves (B9)		Other (Ex	cpiain in Re	marks)	- To	FAC-Neutral Test (D5)
Field Obser				Saladi • Na Salada • Cara			
Surface Wat		100	o <u> </u>	0000 0000000000000000000000000000000000			
Water Table			o X Depth (ir			ASSESSMENT AND	
Saturation P		s N	o 📈 Depth (ii	nches):		_ Wet	land Hydrology Present? YesX_ No
(includes car	oillary fringe) corded Data (stream (	nauge mor	itoring well serial	nhotos nr	evious ins	nections)	if available:
Describe Re	corded Data (stream)	gauge, mor	illoring well, acrial	priotos, pr	CVIOUS III	pedions,	, ii available.
			Tarker -				
Remarks:							

Project/Site: Clinton Keith Expension	() (	`ity/County	moss.	ieta Riverside sampling pata: 9/10/13
Applicant/Owner: RCTD		only/County	. 110	State: CA Sampling Point: 4p - 31
Investigator(s): Z. WEST, M. FLOYES				nge:
Landform (hillslope, terrace, etc.): _ Channel				
Subregion (LRR):				
Soil Map Unit Name:				NWI classification:
Are climatic / hydrologic conditions on the site typical for the	is time of yea	r? Yes 🔽	No_	(If no, explain in Remarks.)
Are Vegetation N, Soil N, or Hydrology N	significantly d	listurbed?	Are "	"Normal Circumstances" present? Yes V No
Are Vegetation N, Soil N, or Hydrology N	naturally prot	olematic?	(If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing	samplin	g point le	ocations, transects, important features, etc.
Hydric Soil Present?  Wetland Hydrology Present?  Yes X Yes X N	No No	2000 10000	e Sampled in a Wetlar	X
Remarks:  VEGETATION – Use scientific names of plan	nts.			
800 glada (1900 00 00 00 00 00 00 00 00 00 00 00 00		Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30)	% Cover			Number of Dominant Species That Are OBL FACW or FAC:
			1	That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant Species Across All Strata:  (B)
4.				
Sapling/Shrub Stratum (Plot size: 10')	1-7	= Total Co	ver	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
1. Tamar 1x ram 051551ma	25	Y	FAC	Prevalence Index worksheet:
2. Vanthium Strumarium		Ń	FAC	Total % Cover of: Multiply by:
3. The gate was March	22.			OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
Herb Stratum (Plot size:)	47	= Total Co	ver	FACU species x 4 =
1. Heliotropum curvasicum	1-	N	FACU	UPL species x 5 = Column Totals: (A) (B)
2. Tamar X ramos issina	20	У	FAC	Column Totals: (A) (B)
3. Typha dominagnsis	30_		DBL	Prevalence Index = B/A =
4				Hydrophytic Vegetation Indicators:
5				∑ Dominance Test is >50%
6				Prevalence Index is ≤3.0¹
7		<del></del>		Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8	51	= Total Cov	———	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size: 30		- Total Co	VCI	
1				Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2/				
% Bare Ground in Herb Stratum	r of Biotic Cru	= Total Cov ust	ver	Hydrophytic Vegetation Present?  Yes No
Remarks:		211 - 2311 - 452	2	

Profile Des	cription: (Describe t	to the dept	h needed to docur	ment the indicator or	confirm the abs	sence of inc	dicators.)	
Depth	Matrix			x Features	1 - 2 T- 4		B	
(inches)	Color (moist)	<u>%</u>	Color (moist)	·	Loc <sup>2</sup> Text	ure	Remarks	
0-1	543/2	85	5YR 5/8					
1-13	2.54 3/2	100				arse.	sand	
13-15	Gley 2 2.5/58	90	254 4/4	10				1000
	-1107		A .					
			21.55	<del></del>				
1- 0.0			Dadward Matrix Co	C-Cavered or Costed	Sand Crains	2l continu	: PL=Pore Lining, M=M	l otriv
Hydric Soil	Indicators: (Application)	etion, RM=	PRs unless othe	S=Covered or Coated			roblematic Hydric So	
		able to all i					(A9) (LRR C)	
Histoso			Sandy Red Stripped Ma				(A10) (LRR B)	
	pipedon (A2) listic (A3)			cky Mineral (F1)		Reduced Ve		
-	en Sulfide (A4)			yed Matrix (F2)			Material (TF2)	
	d Layers (A5) (LRR C	:)	Depleted M				ain in Remarks)	
	uck (A9) (LRR D)	• 7		k Surface (F6)		` .	,	
	d Below Dark Surface	e (A11)	<del> </del>	ark Surface (F7)				
	ark Surface (A12)	,		ressions (F8)	<sup>3</sup> Indi	cators of hyd	drophytic vegetation an	d
Sandy I	Mucky Mineral (S1)		Vernal Poo	ls (F9)	W	etland hydro	logy must be present,	
Sandy (	Gleyed Matrix (S4)				ur	nless disturb	ed or problematic.	
Restrictive	Layer (if present):		293// 32					
Туре:								
Depth (in	nches):	***				ic Soil Pres		No
Remarks:	. 1	-6	Land or m	alian aller	ing (Chi	norit	Loam Ac	ea meds
	311/8 10 ON	led mo	ALON WILL	interland	hydroli	0941	l loam) Are ndicators Supplemen	Soils
for ny	Trophytic	rice of	or section	5 of the	Avid V	120c	Supplemen	+: "
insert.	W WS MY	a ic pi	00-110	301	1 31		~ / /	,
HYDROLC	OGY			1000 0000 000 000 000 000 000 000 000 0				
Wetland Hy	drology Indicators:							
Primary Indi	cators (minimum of o	ne required	; check all that app	ly)		Secondary	Indicators (2 or more re	equired)
Surface	Water (A1)		Salt Crust	(B11)		X Water	Marks (B1) (Riverine)	
High W	ater Table (A2)		Biotic Cru	st (B12)		∠ Sedime	ent Deposits (B2) (Rive	rine)
Saturati	ion (A3)		Aquatic In	vertebrates (B13)		Drift De	eposits (B3) (Riverine)	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Marks (B1) (Nonriveri	ne)	X Hydrogen	Sulfide Odor (C1)		Draina	ge Patterns (B10)	
Sedime	ent Deposits (B2) (Noi	nriverine)	CO. 100 CO. 10	Rhizospheres along Li	ving Roots (C3)	Dry-Se	ason Water Table (C2)	
( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	posits (B3) (Nonriver		Presence	of Reduced Iron (C4)		Crayfis	h Burrows (C8)	
	Soil Cracks (B6)	: .f.	Recent Iro	on Reduction in Tilled	Soils (C6)	Saturat	tion Visible on Aerial Im	agery (C9)
	ion Visible on Aerial I	magery (B7	7) Thin Muck	Surface (C7)		Shallov	w Aquitard (D3)	SE 181 D AT
1 -	Stained Leaves (B9)	0 , (		plain in Remarks)			eutral Test (D5)	
Field Obser								- N-1 - 2
		es 1	No <u></u> ✓ Depth (in	nches):				
Water Table			No X Depth (in		-		,	
10 C 10 C			No X Depth (in		- Wetland Hyr	drology Pre	sent? Yes	No
Saturation F	pillary fringe)	es ı	VO_XDeptil (iii	ici ies).	. Wettand Hy	arology i ic	3cm: 1c3	
Describe Re	ecorded Data (stream	gauge, mo	nitoring well, aerial	photos, previous inspe	ections), if availa	ble:		
Remarks:		****	W			W.	- 10 10 10 10 10 10 10 10 10 10 10 10 10	250 0 300
Company of the depth of the Co. C.								
228								

Project/site: Clinton Keith Extension	City/Coup	P	in . Co
Applicant/Owner: RCTD			
Investigator(s): Zack West, Mairisa F	Diffes a		State: A Sampling Point: 59-37
Landform (hillslope, terrace, etc.): bank of channe			
Subregion (LRR):	_ Lat:		Long: Datum:
Soil Map Unit Name:			
Are climatic / hydrologic conditions on the site typical for this	s time of year? Yes _	No	(If no, explain in Remarks.)
Are Vegetation $N$ , Soil $N$ , or Hydrology $N$	ignificantly disturbed	? Are '	"Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology r	aturally problematic?	(If ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing sampli	ng point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes ★ N			
Hudrig Soil Propent?	o X	the Sampled	
Wetland Hydrology Present? Yes N	o   win	ının a wetiai	nd? Yes No
Remarks: Bank of French Valley Creek			
VECTATION III a cointific names of plan			
VEGETATION – Use scientific names of plan			T-2
Tree Stratum (Plot size: 20)	Absolute Dominar  % Cover Species	nt Indicator ? Status	Dominance Test worksheet:
1 4	7 5 10		Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
2			\
3			Total Number of Dominant Species Across All Strata:  (B)
4	·		
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	= Total C	over	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size: \( \frac{10}{} \)	0 > V	_^ .	37 C.C. SERVICE SECURITION SECURI
1. tomarix ramosissima		FAC	Prevalence Index worksheet:
2. Helianthus annuus		FACU FACU	Total % Cover of: Multiply by:
3. Ambrosia psilostachya 4. Erigeron canadensis			OBL species x 1 = FACW species x 2 =
5. Urrica dioica	2 N	FACW	FAC species x 3 =
	UY = Total C		FACU species x 4 =
Herb Stratum (Plot size: 5 )			UPL species x 5 =
1. Typha domingensis	20 <u>y</u>	08L	Column Totals: (A) (B)
2. Pulypagion Monspeliensis	12 N	FAC	
3. Helwtropum urvassicim	<u> </u>	GACU	Prevalence Index = B/A =
4			Hydrophytic Vegetation Indicators:
5			✓ Dominance Test is >50%
6			<ul> <li>Prevalence Index is ≤3.0¹</li> <li>Morphological Adaptations¹ (Provide supporting</li> </ul>
7	· ——		data in Remarks or on a separate sheet)
8	40 = Total C		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size: 30)		OVEI	A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5
1,			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2			be present, unless disturbed or problematic.
	= Total C	over	Hydrophytic
% Bare Ground in Herb Stratum	of Biotic Crust	0	Present? Yes No
Remarks:	***		

Sampling	Point:	SP-	32

_	-	-	_
c	^		
-			

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, Cs=Covered or Coated Sand Grains.   O_2xxx, S3rd						, commi	the absence of indicat	,
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.	Depth (inches)	Color (moist) %	Color (moist)	x Features %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
1*Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. 2*Location: PL=Pore Lining, M=Matrix, Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histos (A) Sardy Redox (S5)	20040						· · · · · · · · · · · · · · · · · · ·	rtemano
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)   Indicators for Problematic Hydric Soils*:	0-24	2.5 1 3/2 100					10001107 33/10	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)		-						
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)								
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)   Indicators for Problematic Hydric Soils*:   Histosol (A1)								
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)								
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)   Indicators for Problematic Hydric Soils*:   Histosol (A1)								A
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)			-				<del></del>	
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)		. I <del> </del>						
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)  Histosol (A1)								
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 Perit (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks)  1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A21) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Present (Satisface (F7)) Sandy Mucky Mineral (S1) Vernal Pools (F9) Present (Satisface (F7)) Sandy Gleyed Matrix (S4) Vernal Pools (F9) Wetland Hydrology must be present, unless disturbed or problematic.  Restrictive Layer (if present): Type: Depth (inches):  Type: Depth (inches): Surface Water (A1) Salt Crust (B12) Sediment Deposits (B2) (Riverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C8) Dry-Season Water Table (C2) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C8) Saturation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Surface Water Present? Yes No Depth (inches): Wettand Hydrology Present? Yes No Depth (inc	<sup>1</sup> Type: C=C	concentration, D=Depletion, RM=	Reduced Matrix, CS	S=Covered	or Coate	d Sand Gr	rains. <sup>2</sup> Location: PL	
Histic Epipedon (A2)	<b>Hydric Soil</b>	Indicators: (Applicable to all	LRRs, unless other	wise note	ed.)			
Black Histic (A3)	Histosol	I (A1)						
Hydrogen Sulfide (A4)		500 Th	57 - 17 (57.45)					
Siratified Layers (A5) (LRR C)		` '						
1 cm Muck (A9) (LRR D)					(F2)			
Depleted Below Dark Surface (A11)	A CONTRACTOR SAME TO CO		The same of the sa		F6)		Other (Explain In	Notifians)
Thick Dark Surface (A12)	A CONTRACTOR OF THE PROPERTY O							
Sandy Mucky Mineral (S1)	47						3Indicators of hydroph	nytic vegetation and
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present): Type: Depth (inches):  Remarks:  No World Soil Indicators: Primary Indicators (innimum of one required; check all that apply) Secondary Indicators (2 or more required state of the s					-,			
Restrictive Layer (if present): Type: Depth (inches): No Work soil Present? Yes No Yes Yes No Yes Yes No Yes Yes No Yes Yes No Y	The Contract of the Contract o			` ,				
Remarks:  No MCC Soil Present? Yes No Methand Hydric Soil Present? Yes No Methand Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Secondary Indicators (2 or more required surface (2 or more required surface (3 or more required surface (3 or more required surface (41) Salt Crust (B11) Sediment Deposits (B2) (Riverine)  High Water Table (A2) Soil Crust (B12) Sediment Deposits (B2) (Riverine)  Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10)  Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2)  Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8)  Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3)  Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5)  Field Observations:  Surface Water Present? Yes No Depth (inches):  Saturation Present? Yes No Depth (inches):  Saturation Present? Yes No Depth (inches):  Saturation Present? Yes No Depth (inches):  Observible Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:								
Wetland Hydrology Indicators:   Primary Indicators (minimum of one required; check all that apply)   Secondary Indicators (2 or more required	Type:							
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Salt Crust (B11)  Water Marks (B1) (Riverine)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Riverine)  Mater Marks (B1) (Nonriverine)  Sediment Deposits (B3) (Riverine)  Drift Deposits (B3) (Riverine)  Sediment Deposits (B3) (Riverine)  Drift Deposits (B3) (Riverine)  Drift Deposits (B3) (Nonriverine)  Sediment Deposits (B3) (Riverine)  Drift Deposits (B3) (Nonriverine)  Presence of Reduced Iron (C4)  Drift Deposits (B3) (Nonriverine)  Presence of Reduced Iron (C4)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (B7)  Thin Muck Surface (C7)  Shallow Aquitard (D3)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  FAC-Neutral Test (D5)  Field Observations:  Surface Water Present? Yes No Depth (inches):  Water Table Present? Yes No Depth (inches):  Water Table Present? Yes No Depth (inches):  Water Table Present? Yes No Depth (inches):  Saturation Present? Yes No Depth (inches):  Wetland Hydrology Present? Yes No Depth (inches):  Includes capillary fringe)	Depth (in	nches):					Hydric Soil Present?	Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Riverine)  Sediment Deposits (B2) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Sediment Deposits (B3) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Sediment Deposits (B3) (Nonriverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Nonriverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Nonriverine)  Presence of Reduced Iron (C4)  Surface Soil Cracks (B6)  Recent Iron Reduction in Tilled Soils (C6)  Saturation Visible on Aerial Imagery (B7)  Thin Muck Surface (C7)  Shallow Aquitard (D3)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  FAC-Neutral Test (D5)  Field Observations:  Water Table Present?  Yes No Depth (inches):  Water Table Present?  Yes No Depth (inches):  Wetland Hydrology Present? Yes No Copt (includes) (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Remarks:	-	•	1				7/15
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Riverine)  Mater Marks (B1) (Nonriverine)  Sediment Deposits (B3) (Riverine)  Sediment Deposits (B3) (Nonriverine)  Sediment Deposits (B3) (Nonriverine)  Sediment Deposits (B3) (Nonriverine)  Presence of Reduced Iron (C4)  Surface Soil Cracks (B6)  Recent Iron Reduction in Tilled Soils (C6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  Field Observations:  Surface Water Present?  Yes No Depth (inches):  Water Table Present?  Yes No Depth (inches):  Saturation Present?  Yes No Depth (inches):  Wetland Hydrology Present? Yes No Depth (inches):  (Includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	1	10 hydric soil in	dicators	Opser	N69.			
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)       Secondary Indicators (2 or more required)	. , ,	9- 1.1						
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)       Secondary Indicators (2 or more required applicators (B1)         Saturation (A3)       Aquatic Invertebrates (B12)       Dirit Deposits (B2) (Riverine)       Dry-Season Water Table (C2)       Dry-Season Water Table (C2) <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>								
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; check all that apply)       Secondary Indicators (2 or more required)		)CV			81 W			17
Primary Indicators (minimum of one required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Biotic Crust (B12)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Biotic Crust (B12)  Sediment Deposits (B3) (Riverine)  Water Marks (B1) (Nonriverine)  Biotic Crust (B12)  Sediment Deposits (B3) (Riverine)  Drift Deposits (B3) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Presence of Reduced Iron (C4)  Surface Soil Cracks (B6)  Recent Iron Reduction in Tilled Soils (C6)  Saturation Visible on Aerial Imagery  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  Field Observations:  Surface Water Present?  Yes No Depth (inches):  Saturation Present?  Yes No Depth (inches):  Saturation Present?  Yes No Depth (inches):  Sediment Deposits (B3) (Riverine)  Sediment Deposits (B3) (Riverine)  Drift Deposits (B3) (Riverine)  Drift Deposits (B3) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B2) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B2) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B2) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B2) (Riverine)  Drift Deposits (B2) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B2) (Riverine)								
Surface Water (A1)	-	1 (7.7)	l, abask all that appl				Socondon India	ators (2 or more required)
High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Riverine) Sediment Deposits (B3) (Riverine) Sediment Deposits (B3) (Riverine) Sediment Deposits (B3) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B3) (Nonriverine) Sufface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present?  Wetland Hydrology Present? Yes No Depth (inches): Saturation Present?  Yes No Depth (inches): Sediment Deposits (B3) (Riverine) Drift Deposits (B3) (Pical Self Self Self Self Self Self Self Sel								
Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	-							
Water Marks (B1) (Nonriverine)	- 1 <del></del> 1 1 <del></del> 1		The state of the s		(D40)			
Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5)	Townson to the	na al Mariano na anti-						
Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Vater-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Surface Water Present? Yes No Depth (inches): Vater Table Present? Yes No Depth (inches): Ves No Ves No Present? Yes No Ves _	40 mm	The second of th						CAS-407-408-405-10-405-40-50-405-40
Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Vater-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Vater Test (D5) Vater Table Present? Yes No Depth (inches): Vater Table Present? Yes No	( <del>-1</del> )				_	-	personal distriction of the second second	No. 100
Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Saturation Present? Yes No Saturation Present? Yes	D-:# D-	posits (B3) (Nonriverine)						
Water-Stained Leaves (B9)  Other (Explain in Remarks)  FAC-Neutral Test (D5)  Field Observations:  Surface Water Present? Yes No Depth (inches):  Water Table Present? Yes No Depth (inches):  Saturation Present? Yes No Depth (inches):  (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			Recent Iro			d Soils (Ct	St. Control of the second	/isible on Aerial Imagery (C9)
Field Observations:  Surface Water Present? Yes No / Depth (inches):  Water Table Present? Yes No / Depth (inches):  Saturation Present? Yes No / Depth (inches):  (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surface		an a second second second second		(7)			
Surface Water Present? Yes No Depth (inches):  Water Table Present? Yes No Depth (inches):  Saturation Present? Yes No Depth (inches):  (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surface Inundat	ion Visible on Aerial Imagery (B	7) Thin Muck	THE RESIDENCE			All and the second seco	
Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches):	Surface Inundati Water-S	ion Visible on Aerial Imagery (B Stained Leaves (B9)	7) Thin Muck	THE RESIDENCE		_	All and the second seco	
Saturation Present? Yes NoV _ Depth (inches): Wetland Hydrology Present? Yes NoV _ (includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surface Inundati Water-S	ion Visible on Aerial Imagery (B Stained Leaves (B9) rvations:	7) Thin Muck Other (Exp	olain in Re	marks)	T	All and the second seco	
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surface Inundati Water-S	ion Visible on Aerial Imagery (B' Stained Leaves (B9) rvations: ter Present? Yes	7) Thin Muck Other (Exp No/ Depth (in	olain in Re	marks)		All and the second seco	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surface Inundati Water-S Field Obser Surface Wat	ion Visible on Aerial Imagery (B'Stained Leaves (B9)  rvations: ter Present?  Present?  Yes	7) Thin Muck Other (Exp No Depth (in No Depth (in )	olain in Re	marks)		All and the second seco	I Test (D5)
	Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation F	ion Visible on Aerial Imagery (B' Stained Leaves (B9)  rvations: ter Present? Yes Present? Yes	7) Thin Muck Other (Exp No Depth (in No Depth (in )	olain in Re ches): ches):	marks)	_	FAC-Neutra	I Test (D5)
Remarks:	Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	ion Visible on Aerial Imagery (B' Stained Leaves (B9) rvations: ter Present? Yes Present? Yes Present? Yes pillary fringe)	7) Thin Muck Other (Exp No/ Depth (in- No/ Depth (in-	ches): ches):	marks)	_ Wetl	FAC-Neutra	I Test (D5)
Remarks:	Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	ion Visible on Aerial Imagery (B' Stained Leaves (B9) rvations: ter Present? Yes Present? Yes Present? Yes pillary fringe)	7) Thin Muck Other (Exp No V Depth (in-	ches): ches):	marks)	_ Wetl	FAC-Neutra	I Test (D5)
	Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca Describe Re	ion Visible on Aerial Imagery (B' Stained Leaves (B9) rvations: ter Present? Yes Present? Yes Present? Yes pillary fringe)	7) Thin Muck Other (Exp No V Depth (in-	ches): ches):	marks)	_ Wetl	FAC-Neutra	I Test (D5)
	Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca Describe Re	ion Visible on Aerial Imagery (B' Stained Leaves (B9) rvations: ter Present? Yes Present? Yes Present? Yes pillary fringe)	7) Thin Muck Other (Exp No V Depth (in-	ches): ches):	marks)	_ Wetl	FAC-Neutra	I Test (D5)
	Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca Describe Re	ion Visible on Aerial Imagery (B' Stained Leaves (B9) rvations: ter Present? Yes Present? Yes Present? Yes pillary fringe)	7) Thin Muck Other (Exp No V Depth (in-	ches): ches):	marks)	_ Wetl	FAC-Neutra	I Test (D5)
	Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca Describe Re	ion Visible on Aerial Imagery (B' Stained Leaves (B9) rvations: ter Present? Yes Present? Yes Present? Yes pillary fringe)	7) Thin Muck Other (Exp No V Depth (in-	ches): ches):	marks)	_ Wetl	FAC-Neutra	I Test (D5)
	Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca Describe Re	ion Visible on Aerial Imagery (B' Stained Leaves (B9) rvations: ter Present? Yes Present? Yes Present? Yes pillary fringe)	7) Thin Muck Other (Exp No V Depth (in-	ches): ches):	marks)	_ Wetl	FAC-Neutra	I Test (D5)

Project/Site: Clinton Keith Extension		City/County	. Q	IV. Co Sampling Date: 9/18/3
Applicant/Owner: RCTD		Only/ County	•	State: A Sampling Point: SP-33
Investigator(s): Zack west Marisa				
Landform (hillslope, terrace, etc.): top of slope				
#				Long: Datum:
Soil Map Unit Name:				
Are climatic / hydrologic conditions on the site typical for thi			6702	
Are Vegetation $N$ , Soil $N$ , or Hydrology $N$				"Normal Circumstances" present? Yes Vo
Are Vegetation N, Soil N, or Hydrology N				peded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map				SUPPLIES CONTROL SUPPLIES STATE AND
Hydrophytic Vegetation Present? YesXN	do.			
Hydric Soil Present? Yes N	VX	20000000	e Sampled	Total Control
Wetland Hydrology Present? Yes N		with	in a Wetlar	nd? Yes NoX_
Remarks:				
VEGETATION – Use scientific names of plan	nts			
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft )		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3	<del>-</del>			Species Across All Strata: (B)
4-	-	= Total Co		Percent of Dominant Species That Are OBL. FACW. or FAC: 50 (A/B)
Sapling/Shrub Stratum (Plot size: 1027		, - Total Co		(100)
1. thrschfeldia incana		<del>-</del>	UPL	Prevalence Index worksheet:
2. Nicohana glauca		7	FAC	Total % Cover of: Multiply by:
3. Ambrosia osilostachya		- <del>y</del>	FACU	OBL species x1 = X
4. Chenopodium album 5. Helianthus annuus	- <del>- g</del>		FACU	FACW species $45$ $x2 = 120$ FAC species $45$ $x3 = 135$
<u></u>	(ok	= Total Co		FACU species x 4 = y 1
Herb Stratum (Plot size: 5f+		1/		UPL species 15 x5= 75
1. Frankenia salina	60	<u>y</u>	FALW	Column Totals: 143 (A) 422. (B)
2. Distichlis Spirata		N	FAC	Prevalence Index = B/A =2.95
3				Hydrophytic Vegetation Indicators:
4.       5.				Dominance Test is >50%
6.		-		Prevalence Index is ≤3.0¹
7.				Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
W. d. V. Otalan (Distance 225)	<u>- 90</u>	= Total Cov	ver	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size: 3DF4				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1				be present, unless disturbed or problematic.
	0	= Total Cov	/er	Hydrophytic
% Bare Ground in Herb Stratum _ 之○ % Cove	r of Biotic Cr			Vegetation ~
Remarks:	- OI DIOUG CI	uot		Present? Yes No
Terrano.				

	00	22
Sampling Point:	SP-	20

Profile Description: (Describe to the Depth Matrix		x Features			2
(inches) Color (moist) %	Color (moist)	% Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
034 104R 2/2 100				clay ban	
		***			
		. —— ——			
		· <del></del>			
<sup>1</sup> Type: C=Concentration, D=Depletion,	RM=Reduced Matrix, CS	S=Covered or Coa	ted Sand G	rains. <sup>2</sup> Location:	: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to	all LRRs, unless other	wise noted.)		Indicators for P	roblematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Red			1 cm Muck (	(A9) (LRR C)
Histic Epipedon (A2)	Stripped Ma				A10) (LRR B)
Black Histic (A3)		ky Mineral (F1)		Reduced Ve	
Hydrogen Sulfide (A4)		red Matrix (F2)			Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted M				ain in Remarks)
1 cm Muck (A9) (LRR D)		Surface (F6)			
Depleted Below Dark Surface (A11)		ark Surface (F7)			
Thick Dark Surface (A12)		ressions (F8)		3Indicators of hyd	drophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pool				logy must be present,
Sandy Gleyed Matrix (S4)				unless disturb	ed or problematic.
Restrictive Layer (if present):					
Type:					
Depth (inches):				Hydric Soil Pres	ent? Yes No>
- 1 1 1 - 1 - 1 - 1					
Remarks:		*		1	
Remarks:	: Notare	placery	9		
No hydric soil	indicators	observe	6		
No hydric soil	indicators	observe	d		
No hydric soil	indicators	observe	6		
No hydric soil	indicators	observe	6		
No hydric soil	indicators	observe	d		
No Mydric Soil  HYDROLOGY  Wetland Hydrology Indicators:			d		Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	uired; check all that appl	y)	ld	Secondary	Indicators (2 or more required)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required)  Surface Water (A1)	uired; check all that appl	y) (B11)	d	Secondary  — Water I	Indicators (2 or more required) Marks (B1) (Riverine)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required in the surface Water (A1)  High Water Table (A2)	uired; check all that appl Salt Crust Biotic Crus	y) (B11) st (B12)		Secondary  Water I  Sedime	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestrated Water (A1)  High Water Table (A2)  Saturation (A3)	uired; check all that appl Salt Crust Biotic Crus Aquatic In	y) (B11) st (B12) vertebrates (B13)	7-7	Secondary  Water I  Sedime	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required in the second	uired; check all that appl Salt Crust Biotic Crus Aquatic In Hydrogen	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1)		Secondary  Water I Sedime Drift De	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required in the second	uired; check all that appl Salt Crust Biotic Crus Aquatic In Hydrogen ne) Oxidized F	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon	g Living Roo	Secondary  Water I Sedime Drift De Drainag	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required in the second	uired; check all that appl Salt Crust Biotic Crust Aquatic In Hydrogen ne) Oxidized F	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (	g Living Roo C4)	Secondary  Water I  Sedime  Drift De  Drainag  ots (C3)  Crayfis	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) h Burrows (C8)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestrated Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)	uired; check all that appl Salt Crust Biotic Crust Aquatic In Hydrogen ne) Oxidized F Presence Recent Iro	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (in	g Living Roo C4)	Secondary  Water I  Sedime  Drift De  Drainag  ots (C3) Dry-Se  Crayfis  Saturat	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required in the second	uired; check all that appl  Salt Crust Biotic Crust Aquatic In Hydrogen ne) Oxidized F Presence Recent Iro	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (	g Living Roo C4)	Secondary  Water I  Sedime  Drift De  Drainag  ots (C3) Dry-Se  Crayfis  Saturat  Shallov	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (6
Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestrated Mater (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)	uired; check all that appl  Salt Crust Biotic Crust Aquatic In Hydrogen  ne) Cxidized F Presence Recent Iro	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (in	g Living Roo C4)	Secondary  Water I  Sedime  Drift De  Drainag  ots (C3) Dry-Se  Crayfis  Saturat  Shallov	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (
Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestrated Mater (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  Water-Stained Leaves (B9)	uired; check all that appl  Salt Crust Biotic Crust Aquatic In Hydrogen  ne) Cxidized F Presence Recent Iro	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alor of Reduced Iron (on Reduction in Til	g Living Roo C4)	Secondary  Water I  Sedime  Drift De  Drainag  ots (C3) Dry-Se  Crayfis  Saturat  Shallov	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (6
Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestrated Mater (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 Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes	uired; check all that appl  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro y (B7) Thin Muck Other (Exp	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alor of Reduced Iron (on Reduction in Til s Surface (C7) plain in Remarks)	g Living Roo C4) led Soils (Co	Secondary  Water I  Sedime  Drift De  Drainag  ots (C3) Dry-Se  Crayfis  Saturat  Shallov	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (6
Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestrated Mater (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 Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes	uired; check all that appl  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro y (B7) Thin Muck Other (Exp	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alor of Reduced Iron (on Reduction in Til s Surface (C7) plain in Remarks)	g Living Roo C4) led Soils (Co	Secondary  Water I  Sedime  Drift De  Drainag  ots (C3) Dry-Se  Crayfis  Saturat  Shallov	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (6
Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestrated Mater (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 Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes	uired; check all that appl  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro y (B7) Thin Muck Other (Exp	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alor of Reduced Iron (on Reduction in Til s Surface (C7) plain in Remarks)	g Living Roo C4) led Soils (Co	Secondary  Water I  Sedime  Drift De  Drainag  ots (C3) Dry-Se  Crayfis  Saturat  Shallov  FAC-No	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (6 v Aquitard (D3) eutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one requested Sourface 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  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes  Water Table Present? Yes  Saturation Present? Yes  [includes capillary fringe]	uired; check all that appl  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc y (B7) No X Depth (in No X Depth (in	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Til s Surface (C7) plain in Remarks) ches):	g Living Roo C4) led Soils (Co	Secondary  Water I  Sedime  Drift De  Drainag  ots (C3) Dry-Se  Crayfis  Saturat  FAC-No	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (6 v Aquitard (D3) eutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestrated Mater (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 Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes	uired; check all that appl  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc y (B7) No X Depth (in No X Depth (in	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Til s Surface (C7) plain in Remarks) ches):	g Living Roo C4) led Soils (Co	Secondary  Water I  Sedime  Drift De  Drainag  ots (C3) Dry-Se  Crayfis  Saturat  FAC-No	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (6 v Aquitard (D3) eutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestions)  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  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes  Water Table Present? Yes  Saturation Present? Yes  Saturation Present? Yes  [includes capillary fringe]	uired; check all that appl  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc y (B7) No X Depth (in No X Depth (in	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Til s Surface (C7) plain in Remarks) ches):	g Living Roo C4) led Soils (Co	Secondary  Water I  Sedime  Drift De  Drainag  ots (C3) Dry-Se  Crayfis  Saturat  FAC-No	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (6 v Aquitard (D3) eutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestions)  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  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes  Water Table Present? Yes  Saturation Present? Yes  Saturation Present? Yes  [includes capillary fringe]	uired; check all that appl  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc y (B7) No X Depth (in No X Depth (in	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Til s Surface (C7) plain in Remarks) ches):	g Living Roo C4) led Soils (Co	Secondary  Water I  Sedime  Drift De  Drainag  ots (C3) Dry-Se  Crayfis  Saturat  FAC-No	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (6 v Aquitard (D3) eutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestions)  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  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	uired; check all that appl  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc y (B7) No X Depth (in No X Depth (in	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Til s Surface (C7) plain in Remarks) ches):	g Living Roo C4) led Soils (Co	Secondary  Water I  Sedime  Drift De  Drainag  ots (C3) Dry-Se  Crayfis  Saturat  FAC-No	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (6 v Aquitard (D3) eutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one requestions)  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  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes  Water Table Present? Yes  Water Table Present? Yes  Saturation Present? Yes  (includes capillary fringe)  Describe Recorded Data (stream gauge	uired; check all that appl  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc y (B7) No X Depth (in No X Depth (in	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Til s Surface (C7) plain in Remarks) ches):	g Living Roo C4) led Soils (Co	Secondary  Water I  Sedime  Drift De  Drainag  ots (C3) Dry-Se  Crayfis  Saturat  FAC-No	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (6 v Aquitard (D3) eutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one requirement)  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  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  Saturation Present? Yes  (includes capillary fringe)  Describe Recorded Data (stream gauge	uired; check all that appl  Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc y (B7) No X Depth (in No X Depth (in	y) (B11) st (B12) vertebrates (B13) Sulfide Odor (C1) Rhizospheres alon of Reduced Iron (on Reduction in Til s Surface (C7) plain in Remarks) ches):	g Living Roo C4) led Soils (Co	Secondary  Water I  Sedime  Drift De  Drainag  ots (C3) Dry-Se  Crayfis  Saturat  FAC-No	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (6 or Aquitard (D3) eutral Test (D5)

WETLAND DETERMINATION DATA FORM - Arid West Region Keith Ext. City/County: Musical Riv. Co. Sampling Date: 16/11/13 Applicant/Owner: 1 C T State: CA Sampling Point: SP-34 Section, Township, Range: \_\_\_\_ Investigator(s): 2 Wes Landform (hillslope, terrace, etc.): 5tream ban \_\_\_\_\_ Lat:\_\_\_\_\_\_\_ Datum:\_\_\_\_\_ Subregion (LRR): NWI classification: \_\_\_\_ Soil Map Unit Name: Are climatic / hydrologic conditions on the site typical for this time of year? Yes No \_\_\_\_\_ (If no, explain in Remarks.) Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes \_\_\_\_\_ No Are Vegetation \_\_\_\_\_\_, Soil \_\_\_\_\_\_, or Hydrology \_\_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Yes \_\_\_\_\_ No \_\_\_\_\_ Hydrophytic Vegetation Present? Is the Sampled Area X\_\_\_ No \_\_\_\_ Hydric Soil Present? within a Wetland? Yes × No \_\_\_\_\_ Wetland Hydrology Present? Remarks: VEGETATION – Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: (A) Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species \_\_\_\_ = Total Cover 100 % \_ (A/B) That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: \_ Prevalence Index worksheet: Total % Cover of: Multiply by: 3. OBL species \_\_\_\_\_ x1= \_\_\_\_\_ FACW species \_\_\_\_ x 2 = \_\_ FAC species \_\_\_\_ x3= FACU species \_\_\_\_\_ x 4 = \_\_\_\_ \_\_\_\_\_ = Total Cover UPL species \_\_\_ x 5 = \_\_ Column Totals: \_\_\_\_\_ (A) \_\_\_\_\_ (B) Prevalence Index = B/A = \_\_\_\_\_ Hydrophytic Vegetation Indicators: ✓ Dominance Test is >50% Prevalence Index is ≤3.0¹ \_\_\_ Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) TO = Total Cover 301 Woody Vine Stratum (Plot size: <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. \_\_\_\_\_ = Total Cover Hydrophytic Vegetation % Cover of Biotic Crust \_\_\_\_\_\_ % Bare Ground in Herb Stratum Present? Remarks:

Profile Des	cription: (Describe t	o the dep	th needed to docum	ent the i	ndicator o	r confirn	n the absence of indic	ators.)
Depth	Matrix			Features	<del>-</del> 1	1 - 2	T- 1	D
(inches)	$\frac{\text{Color (moist)}}{2.5 \text{ V }^{3/2}}$	0-1	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>		Remarks
0-10	<u> </u>	93	5/R4/6		<u>C.</u>	<u> </u>	sandy loan	3/
6-9	2.5 4 3/2	73	54R9/6		<u> </u>	<u>M</u>	sandy clay loan	20/2 gravel
9-16	25/3/2	93	54R4/6	$\overline{}$	<u> </u>	M	sandy clay loa	2
	A				-	-		
	8					-		1
	## ***********************************		· · · · · · · · · · · · · · · · · · ·					_
-	<u> </u>						2	
¹Type: C=C	oncentration, D=Depl	etion, RM	=Reduced Matrix, CS	=Covered	or Coated	Sand G		PL=Pore Lining, M=Matrix. blematic Hydric Soils³:
		ible to all	LRRs, unless other		a.)			
Histoso	r (A1) pipedon (A2)		Sandy Redo				1 cm Muck (A9 2 cm Muck (A1	
	istic (A3)		Loamy Muck		(F1)		Reduced Verti	
	en Sulfide (A4)		Loamy Gleye				Red Parent Ma	
	d Layers (A5) (LRR C	)	Depleted Ma				Other (Explain	
100	uck (A9) (LRR D)		Redox Dark		F6)			
Deplete	d Below Dark Surface	(A11)	Depleted Da	rk Surfac	e (F7)		0	
Thick D	ark Surface (A12)		Redox Depre	essions (F	<del>-</del> 8)			phytic vegetation and
	Mucky Mineral (S1)		Vernal Pools	(F9)				y must be present,
	Gleyed Matrix (S4)		4				unless disturbed	or problematic.
The second secon	Layer (if present):							
Type:							Economic and the same areas and	
Depth (in	ches):			- 25			Hydric Soil Presen	t? Yes No
Remarks:	7							
HYDROLO	GY				*			
	drology Indicators:							
		ne require	d; check all that apply	)			Secondary Inc	dicators (2 or more required)
		ie require	10.000 100.000 100.000					
	Water (A1)		Salt Crust (	V manage of the same				rks (B1) (Riverine) Deposits (B2) (Riverine)
N	ater Table (A2)		Biotic Crust		- (D43)			
Saturati			Aquatic Inv					osits (B3) (Riverine)
	Marks (B1) (Nonriveri	D4999509	Hydrogen S		- E	totale De		Patterns (B10)
	nt Deposits (B2) (Nor		21 - 12 OHOUSES - 1 ON				ots (C3) Dry-Seas	
	posits (B3) (Nonriver	ine)	Presence o				Crayfish I	
	Soil Cracks (B6)		Recent Iron			Soils (Ci		1 Visible on Aerial Imagery (C9)
	ion Visible on Aerial I	magery (B					Shallow A	
	Stained Leaves (B9)		Other (Exp	lain in Re	marks)		FAC-Neu	tral Test (D5)
Field Obser				1 12				
Surface War			No Depth (inc					
Water Table		S _ (S)	No <u>×</u> Depth (inc					
Saturation F		es	No Y Depth (inc	hes):		_   Wet	land Hydrology Prese	nt? Yes <u> </u>
(includes ca	pillary fringe)	naune m	onitoring well, aerial p	hotos pr	evious insi	pections)	if available:	
Describe Ke	Johnson Data (Strediti	guuye, III	ormorning won, acriai p	, pr		- 5040110/,	,	
Demarks								
Remarks:		10.						
100								
								(ii)

WETLAND DETERMINATION DATA FORM - Arid West Region \_ City/County: Mucceta/Rivico Sampling Date: 10/11/13 Applicant/Owner: \_ R State: <u>CA</u> Sampling Point: <u>SP-35</u> MFlore5 Section, Township, Range: West Investigator(s): \_\_\_\_\_\_ Landform (hillslope, terrace, etc.): Flood alkin Local relief (concave, convex, none): Local relief (concave, convex, none): Long: \_\_\_\_\_\_ Datum: Subregion (LRR): \_\_ Lat: NWI classification: Soil Map Unit Name: \_ Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_\_ No \_\_\_\_\_ (If no, explain in Remarks.) Are Vegetation \_\_\_\_, Soil \_\_\_\_, or Hydrology \_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION - Use scientific names of plants. Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: (A) Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: Multiply by: 1 OBL species \_\_\_\_\_ x 1 = \_\_\_\_ N FACW species \_\_\_\_ x 2 = FAC species \_\_\_\_ x 3 = = Total Cover FACU species \_\_\_\_\_ x 4 = \_\_\_\_ Herb Stratum (Plot size: UPL species x 5 = Column Totals: \_\_\_\_\_ (A) \_\_\_\_ (B) FACE 30 Prevalence Index = B/A = Hydrophytic Vegetation Indicators: ➤ Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 95 = Total Cover Woody Vine Stratum (Plot size: 1Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. \_\_\_\_\_ = Total Cover Hydrophytic Vegetation S \_ % Cover of Biotic Crust \_ 0 % Bare Ground in Herb Stratum \_ Present?

Profile Description: (Describe to the dep	oth needed to docum	ent the ir	ndicator	or confirm	the absence of in	ndicators.)
Depth Matrix		Features				
(inches) Color (moist) %	Color (moist)	%	_Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-20 107 12/2 100						
						-
<sup>1</sup> Type: C=Concentration, D=Depletion, RM	=Reduced Matrix, CS	=Covered	or Coate	d Sand Gr	ains. <sup>2</sup> Locatio	n: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all	LRRs, unless other	wise note	ed.)		Indicators for	Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redo	x (S5)			1 cm Muck	(A9) (LRR C)
Histic Epipedon (A2)	Stripped Ma					(A10) (LRR B)
Black Histic (A3)	Loamy Mucl				Reduced V	3
Hydrogen Sulfide (A4)	Loamy Gley		(F2)			t Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Ma				Other (Exp	lain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark					,
Depleted Below Dark Surface (A11)	Depleted Da				3Indiantes of b	udraphytic vacatation and
Thick Dark Surface (A12)	Redox Depr		-8)			ydrophytic vegetation and ology must be present,
Sandy Mucky Mineral (S1)	Vernal Pools	s (F9)			was the state of t	bed or problematic.
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):					driicas distai	bed of problematic.
Type:					Hydric Soil Pro	sent? Yes No ×
Remarks: No hydric						
					· · ·	a de la companya del companya de la companya del companya de la co
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of one require	ed; check all that apply	/)			Secondar	y Indicators (2 or more required)
Surface Water (A1)	Salt Crust	(B11)			Water	r Marks (B1) (Riverine)
High Water Table (A2)	Biotic Crus	t (B12)			Sedin	nent Deposits (B2) (Riverine)
Saturation (A3)	Aquatic Inv	ertebrate:	s (B13)		Drift [	Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen	Sulfide Oc	dor (C1)		Drain	age Patterns (B10)
Sediment Deposits (B2) (Nonriverine)	Oxidized F	hizosphei	res along	Living Roo	ots (C3) Dry-S	Season Water Table (C2)
Drift Deposits (B3) (Nonriverine)	Presence	of Reduce	d Iron (C	4)	Crayf	ish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iro	n Reductio	on in Tille	d Soils (Ce	6) Satur	ation Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (E	37) Thin Muck	Surface (	C7)		Shalle	ow Aquitard (D3)
Water-Stained Leaves (B9)	Other (Exp	lain in Re	marks)	*	FAC-	Neutral Test (D5)
Field Observations:						
Surface Water Present? Yes	No _ > Depth (inc	ches):				
STOREGISTED CONTROL OF THE STOREGISTED CONTROL O	No X Depth (inc					
	No × Depth (inc			1 1000000000000000000000000000000000000	and Hydrology Pr	resent? Yes No X
Saturation Present? Yes (includes capillary fringe)	Depti (iii	Ji ies)		_   ""	ana nyarology r r	030III. 103 NO <u>/</u>
Describe Recorded Data (stream gauge, m	onitoring well, aerial p	photos, pre	evious ins	spections),	if available:	
Remarks:						
*						

Project/Site: Clinton Kerth Extension City/County: MUY	rieta, Riverside Sampling Date: 10/11/13
Applicant/Owner: KCTD	State: CA Sampling Point: 5P-36
- INTOCA AL ENGLE	ange:
Landform (hillslope, terrace, etc.): Hoodplain de plessive Local relief (concave,	
1	Long: Datum:
	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _	14.10
	"Normal Circumstances" present? Yes No
.)	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point	N
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes X No	~
Wetland Hydrology Present? Yes No within a Wetla	nd? Yes No
Remarks:	
VEGETATION – Use scientific names of plants.	
Absolute Dentirent Indicates	Dominance Test worksheet:
Tree Stratum (Plot size: 5 () % Cover Species? Status	Number of Dominant Species
1. Tombrix rumosissima 15 Y FAL	That Are OBL, FACW, or FAC:(A)
2	Total Number of Dominant
3	Species Across All Strata:(B)
4	Percent of Dominant Species 3/- / 01/
Sapling/Shrub Stratum (Plot size: 10')	Percent of Dominant Species That Are OBL, FACW, or FAC: 3/5 = 60% (A/B)
1. VIOLICA d. D.CE TO Y FAC	Prevalence Index worksheet:
2. Flelinthus annus 20 Y DACU	Total % Cover of: Multiply by:
3. Ambrosia psilostachen 10 N TALV	OBL species x 1 =
4. Cirsium volgare 2 N FACU 5. Hirschfeldin invano 2 N UPL	FACW species x 2 =
, , , , , , , ,	FAC species x 3 = FACU species x 4 =
Herb Stratum (Plot size:	UPL species v 5 =
1. Frankenia Salina 40 x FACU.	Column Totals: (A) (B)
2 Malvella leprosa 20 y FACU	2 20 20 20 20 20 20 20 20 20 20 20 20 20
3. Polypergon manspelleris 5 N FACUS	Prevalence Index = B/A =
4. April J. Doine Curvession 1 N FACU	Hydrophytic Vegetation Indicators:  Dominance Test is >50%
9	Prevalence Index is ≤3.0¹
7	Morphological Adaptations¹ (Provide supporting
8.	data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size: / 30') = Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
woody vine Stratum (1 lot size.	1
1	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
- Total Cover	Hydrophytic
= Total Cover	Vegetation
% Bare Ground in Herb Stratum 7.9 % Cover of Biotic Crust	Present? Yes No No
Remarks:	

OIL rofile Description: (Describe to the de	epth needed to document the indicator or co	nfirm the absence	Sampling Point: $\underline{SP-36}$ of indicators.)		
Depth Matrix	Redox Features Color (moist) % Type <sup>1</sup> Loc	2 Touture	Domonto		
nches) Color (moist) %	Color (moist) % Type' Loc		Remarks		
0-24 10/R 3/2	A BANKA A AND THE SET OF COLUMN STORY OF THE SET OF THE	loan	7 % salt concentrat		
			-		
ydric Soil Indicators: (Applicable to a	M=Reduced Matrix, CS=Covered or Coated Sar	d Grains. <sup>2</sup> Loc	cation: PL=Pore Lining, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :		
Histosol (A1)	Sandy Redox (S5)		fluck (A9) (LRR C)		
Histic Epipedon (A2)	Stripped Matrix (S6)		fluck (A10) (LRR B)		
Black Histic (A3)	Loamy Mucky Mineral (F1)		ed Vertic (F18)		
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Pa	arent Material (TF2)		
_ Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other	(Explain in Remarks)		
_ 1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)				
_ Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	31-414	of handrank, dis an analytical and		
Thick Dark Surface (A12)	Redox Depressions (F8)		of hydrophytic vegetation and		
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Vernal Pools (F9)		wetland hydrology must be present, unless disturbed or problematic.		
estrictive Layer (if present):		4,11030 0	starbed or problematic.		
Type: Depth (inches): emarks:	d or column alkaliant	81 01	Present? Yes No		
Depth (inches):	d as saline-alkaline ( jetation and wetland per section s of the	Hydric Soil Chino Sil Marolani L Mid We	Present? Yes No No  A Loam Avea mea indicators. Soils st Supplement.		
Depth (inches):emarks: Shis in area mappe for hydrophylic ver inferred as wydric  (DROLOGY	d as saline-alkalinel persection sof the	81 01	+ Loam). Area mea		
Depth (inches): emarks:  Soils in area mappe For hydrophytic Ver inferred as hydric	d as saline-alkalinel letation and wetland per section s of the	81 01	+ Loam). Area mee		
Depth (inches):emarks: Shis in area mappe for hydrophylic ver inferred as wydric  (DROLOGY	ed; check all that apply)	Chino sil	Loans) Avea mee incicators. Soils of Supplement.		
Depth (inches):emarks:  Suls in Clear Tipe  Conferred Additional C	ed; check all that apply)  Salt Crust (B11)	Chino sil	A LOGIN) Ayea med incicators. Soils st Supplement.		
emarks:  Sufficient of the property of the pro	ed; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)	Chino sil	Avea medicators. Soils s		
Depth (inches):emarks:  Suls in Green Turble  For hydrology  The control of	ed; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)	Chino sil	Avea med Avea med Stroptement- Indicators (2 or more required) Auter Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine)		
Depth (inches):  emarks:  Sussing Credition (Control of the Control of the Contro	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Chino sil	Idary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)		
Depth (inches):emarks:  CDROLOGY  Tetland Hydrology Indicators: rimary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living	Secon  Secon  Secon  D  Roots (C3)	Aday Indicators (2 or more required)  Aday Indicators (2 or more required)  Atter Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)		
Depth (inches):  emarks:  Correction of the property of the pr	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4)	Secon  Secon  Secon  D  Roots (C3)  C	Idary Indicators (2 or more required)  //ater Marks (B1) (Riverine)  rediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  rayfish Burrows (C8)		
Depth (inches):  emarks:  Correct Corr	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils	Secon  Secon  Secon  D  Roots (C3)  C S  C C6)  S	indericators (2 or more required)  Adary Indicators (2 or more required)  Adarty Indicat		
Depth (inches):  permarks:  CONTROLOGY  Tetland Hydrology Indicators:  rimary Indicators (minimum of one require)  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 (1)	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7)	Secon   West   Secon   West   Secon   Secon   Con	Adary Indicators (2 or more required)  Adary Indicators (2 or more required)  Adaret Marks (B1) (Riverine)  Adaret Marks (B1)		
Depth (inches):  emarks:  CDROLOGY  Tetland Hydrology Indicators: rimary Indicators (minimum of one require)  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 ( Water-Stained Leaves (B9)	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils	Secon   West   Secon   West   Secon   Secon   Con	indericators (2 or more required)  Adary Indicators (2 or more required)  Adarty Indicat		
Depth (inches):  emarks:  Sus in Creative Performance	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Secon   West   Secon   West   Secon   Secon   Con	dary Indicators (2 or more required)  Atter Marks (B1) (Riverine)  rediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)		
emarks:  CDROLOGY  Tetland Hydrology Indicators: rimary Indicators (minimum of one require 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 (Water-Stained Leaves (B9)  Teld Observations:  urface Water Present?  Yes	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches):	Secon   West   Secon   West   Secon   Secon   Con	dary Indicators (2 or more required)  Atter Marks (B1) (Riverine)  rediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)		
Depth (inches):	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): No Depth (inches):	Chino SIL Mino SIL Mi	adary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  rediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ny-Season Water Table (C2)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)  AC-Neutral Test (D5)		
Depth (inches):	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): No Depth (inches):	Secon  Secon  No Secon	dary Indicators (2 or more required)  Atter Marks (B1) (Riverine)  ediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ry-Season Water Table (C2)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C9)  hallow Aquitard (D3)		
Depth (inches):  emarks:  CDF CONTROLOGY  Tetland Hydrology Indicators:  cimary Indicators (minimum of one require)  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 (includes Capillary fringe)	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): No Depth (inches):	Secon  Secon  No Secon	adary Indicators (2 or more required)  Vater Marks (B1) (Riverine)  rediment Deposits (B2) (Riverine)  rift Deposits (B3) (Riverine)  rainage Patterns (B10)  ny-Season Water Table (C2)  rayfish Burrows (C8)  aturation Visible on Aerial Imagery (C8)  hallow Aquitard (D3)  AC-Neutral Test (D5)		

Arid West - Version 2.0

Project/Site: Clintan Keith Extinsion City/County: My	Cilta / Diville Sampling Date: 10/04/13
Applicant/Owner: L(TD)	State: CA Sampling Point: SP-37
Investigator(s): Z U . 5 M Flore 5 Section, Township, Ra	ange:
Landform (hillslope, terrace, etc.): Local relief (concave,	convex, none): Concess Slope (%): 4
Subregion (LRR): Lat:	Long: Datum:
	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X	
-1 -1	"Normal Circumstances" present? Yes X No
	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point I	ocations, transects, important features, etc.
Hydrophytic Vegetation Present?  Yes No	
Hydric Soil Present? Yes No X	
Wetland Hydrology Present? Yes No within a Wetla	nd? Yes No
Remarks:	
-	
VEGETATION – Use scientific names of plants.	
Absolute Dominant Indicator Tree Stratum (Plot size:	Dominance Test worksheet:
1	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2	Total Number of Dominant
3	Species Across All Strata: (B)
4	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: = Total Cover	That Are OBL, FACW, or FAC: (A/B)
1. Brassica vigra 20 Y UPL	Prevalence Index worksheet:
2. Malifotis ixdicus 20 / FALL	
3. Son chus clore cous 10 N UPL	OBL species x1 = x1=
5. Holian hus convis 5 N FALU	FACW species(0() x 2 =1\(\) x 3 =3 0
(05 = Total Cover	FACU species 40 x4= 160
Herb Stratum (Plot size:)	UPL species 20 x5= 100
1. Polypopen morapelionsis 60 Y FACU 2. Mariella leprosa 15 N FACU	Column Totals: 136 (A) 110 (B)
3 The rest of PACO	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 = Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)	
1	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2	
## Bare Ground in Herb Stratum ## Cover of Biotic Crust ### Cover of Biotic Crust ### ### ### ########################	Hydrophytic Vegetation Present? Yes No
Remarks:	L
15% base ground with Juff in	herb stratum.
	altra de la companya

Sampling	Point:	5	P-	3.	7

^	-			
•	u	1	ı	

1000 HAND	ription: (Describe t	o the depth				or confirm	the absence	of indicator	's.)
Depth (inches)	Matrix Color (moist)	<del></del> _	Color (moist)	ox Feature %	SType <sup>1</sup>	Loc²	Texture		Remarks
0-16	107R2/2	<del>7</del> 7	COIOI (MOIOI)	- ~	-1100			24	July concentral
0 10	TUTRIL		- <u> </u>	- —				016	JIM & CONCENTION
					<u> </u>				
				<del>-</del>	-				
/	· · · · · · · · · · · · · · · · · · ·								
				_					
					2007				
1T	oncentration, D=Depl	otion DM-D	aduced Matrix C	S-Covered	d or Coate	ad Sand Gr	rains <sup>2</sup> l or	eation: PI =F	ore Lining, M=Matrix.
	ndicators: (Applica					o Garia Gr			natic Hydric Soils <sup>3</sup> :
		Die to un Ei	Sandy Red		,			luck (A9) (LI	
Histosol	ipedon (A2)		Stripped M					/luck (A10) (L	
Black His			Loamy Mu		L(F1)			ed Vertic (F1	
	n Sulfide (A4)		Loamy Gle					arent Materia	
	Layers (A5) (LRR C	)	Depleted N	-				(Explain in R	
1 (g	ck (A9) (LRR D)	5 "	Redox Dar		(F6)		111	1	unananana (Selent S. Sert S.
TO THE RESERVE TO THE PARTY OF	Below Dark Surface	(A11)	Depleted D						
	rk Surface (A12)		Redox Dep	oressions (	F8)		3Indicators	of hydrophyt	ic vegetation and
Sandy M	ucky Mineral (S1)		Vernal Poo	ols (F9)					ust be present,
Sandy G	leyed Matrix (S4)		- 11		T.		unless d	isturbed or p	roblematic.
Restrictive L	ayer (if present):								
Type:									
Depth (inc	thes):						Hydric Soil	Present?	Yes No
Remarks:			d.			1			
No	hydric so	21/ /4/	arcators	ONS	ye has	C4 ·			
	-1								
11)/DDOI 0									
HYDROLO			Marie 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	///					Was Walle
	Irology Indicators:								F
Primary Indic	ators (minimum of or	ne required;	,						ors (2 or more required)
Surface \	Water (A1)		✓ Salt Crus		e15 ~	jæa K			(B1) (Riverine)
High Wa	ter Table (A2)		Biotic Cru	ust (B12)					osits (B2) (Riverine)
Saturation	on (A3)		Aquatic li	nvertebrate	s (B13)		D	rift Deposits	(B3) (Riverine)
Water M	arks (B1) (Nonriveri	ne)	Hydroger		COS 1989			rainage Patt	
Sedimen	t Deposits (B2) (Non	riverine)	Oxidized	Rhizosphe	res along	Living Roo	ots (C3) D	ry-Season V	Vater Table (C2)
Drift Dep	osits (B3) (Nonriver	ine)	Presence	of Reduce	ed Iron (C	4)	c	rayfish Burro	ows (C8)
✓ Surface:	Soil Cracks (B6)		Recent Ir	on Reduct	on in Tille	ed Soils (Ce	6) S	aturation Vis	ible on Aerial Imagery (C9)
Inundatio	on Visible on Aerial Ir	nagery (B7)	Thin Muc	k Surface	(C7)		s	hallow Aquita	ard (D3)
Water-St	ained Leaves (B9)		Other (E)	cplain in Re	emarks)		F	AC-Neutral 1	est (D5)
Field Observ	vations:								
Surface Water		es No	Depth (ii	nches):		1			
Water Table			Depth (ii						
Saturation Pr			Depth (ii			—   Wetl	and Hydrolog	v Present?	Yes No
(includes cap	illary fringe)						2000. 38000	y 1 1000mer	···-
Describe Rec	corded Data (stream	gauge, moni	itoring well, aerial	l photos, pi	evious in	spections),	if available:		
Remarks:						100	1.00		

Project/Site: Clinton Kcith Rond Ex	tas in cityl	County: MURT	ieta, Riverside Sampling Date: 9/9/13
Applicant/Owner: RCTD			State: CA Sampling Point: 5 P-38
Investigator(s): Z Wast M Flor	4 h Sacti	on Township Do	ngo:
Landform (hillslope, terrace, etc.): Basin	Loca	al relief (concave, o	convex, none): CONCAV & Slope (%);
			Long: Datum:
Soil Map Unit Name:			
Are climatic / hydrologic conditions on the site typical for this			(If no, explain in Remarks.)
Are Vegetation N, Soil N, or Hydrology N s	significantly distu	rbed? Are "	'Normal Circumstances" present? Yes No
Are Vegetation $N$ , Soil $N$ , or Hydrology $N$ r	naturally problem	atic? (If ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing san	npling point k	ocations, transects, important features, etc.
Hydric Soil Present? Yes N Wetland Hydrology Present? Yes N	0	Is the Sampled within a Wetlan	
Remarks:			
	2		
VEGETATION – Use scientific names of plan			
Tree Stratum (Plot size: 30 )	Absolute Don <u>% Cover</u> Spe	ninant Indicator cies? Status	Dominance Test worksheet:  Number of Dominant Species
1	· · · · · · · · · · · · · · · · · · ·		That Are OBL, FACW, or FAC: (A)
3.			Total Number of Dominant \ Species Across All Strata: (B)
4.	·		
Sapling/Shrub Stratum (Plot size: 10'	= To	tal Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
1			Prevalence Index worksheet:
2			Total % Cover of: Multiply by:
3			OBL species x 1 =
4			FACW species x 2 =
5		tal Cauca	FACUL procion x 3 =
Herb Stratum (Plot size: 5')	= 10	tal Cover	FACU species x 4 = UPL species x 5 =
1. Pluchen odorata	35_	Y FACW	Column Totals: (A) (B)
2. Palegonum aviculare		V FACW	
3. Taxarix ramos5:55,m		N FAC	Prevalence Index = B/A =  Hydrophytic Vegetation Indicators:
5			Dominance Test is >50%
6			Prevalence Index is ≤3.0¹
7			Morphological Adaptations¹ (Provide supporting
8			data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size: 30 )	40 = Tot	tal Cover	
1			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2.			be present, unless disturbed or problematic.
	= Tot	tal Cover	Hydrophytic Vegetation
/	of Biotic Crust _	60_	Present? Yes No
Remarks:			

Profile Desc	cription: (Describe to	the depth i	needed to docur	nent the i	ndicator	or confirm	the absence of	f indicators.)	
Depth	Matrix			x Feature					
(inches)	Color (moist)		Color (moist)	_%_	_Type <sup>1</sup>	_Loc <sup>2</sup>	Texture	Remarks	
0-4	7.5 YR 2.5/3	100_		Ø			lean To	vely som	
									·
	<del></del>			•				105	7
								-	
									S
1T C-C	oncentration, D=Deple	tion DM=Do	duced Matrix Co	S=Covere	d or Coate	d Sand Gr	raine <sup>2</sup> l ocat	tion: PL=Pore Lining, M	-Matrix
Hydric Soil	Indicators: (Applicat	ole to all I R	Rs. unless othe	rwise not	ed.)	u Sanu Si		or Problematic Hydric S	
Histosol		JIC to all Liv	Sandy Red		ou.,			ick (A9) (LRR C)	
	pipedon (A2)		Stripped Ma					ck (A10) (LRR B)	
	istic (A3)		Loamy Muc	12 2	l (F1)			Vertic (F18)	
	en Sulfide (A4)		Loamy Gley	ed Matrix	(F2)			ent Material (TF2)	
	d Layers (A5) (LRR C)		Depleted M	atrix (F3)			Other (E	xplain in Remarks)	
	uck (A9) (LRR D)		Redox Dark						
	d Below Dark Surface	(A11)	Depleted D				3, ,,		
	ark Surface (A12)		Redox Dep		F8)			hydrophytic vegetation	Second Se
	Mucky Mineral (S1)		Vernal Poo	IS (F9)				drology must be presen turbed or problematic.	ι,
	Gleyed Matrix (S4)  Layer (if present):						unices dist	turbed or problematic.	- 19
	Her clo	1							
,	•	1 4	<del></del>				Hydric Soil P	resent? Yes	$_{No}$ $ imes$
Depth (in	cnes):							resent: res	NO
Remarks:	No hadring	601	) indo	ntar	6	200	\		A. I.
	2.			0-, 0-		0 26 1 6	1. 0.		70017
									**
HYDROLO	GY								
Wetland Hy	drology Indicators:								
Primary Indi	cators (minimum of one	e required; c	heck all that app	y)			Second:	ary Indicators (2 or more	required)
Surface	Water (A1)		Salt Crust	(B11)			Wa	ter Marks (B1) (Riverine	e)
High Wa	ater Table (A2)		Biotic Cru	st (B12)				diment Deposits (B2) (Ri	
Saturati	on (A3)		Aquatic In	vertebrate	es (B13)		Drif	t Deposits (B3) (Riverin	e)
✓ Water N	Marks (B1) (Nonriverin	e)	Hydrogen	Sulfide O	dor (C1)		Dra	inage Patterns (B10)	
Sedime	nt Deposits (B2) (None	riverine)	Oxidized I	Rhizosphe	res along	Living Roo	ots (C3) Dry	-Season Water Table (C	(2)
Drift De	posits (B3) (Nonriveria	ne)	Presence	of Reduce	ed Iron (C4	1)	Cra	yfish Burrows (C8)	
Surface	Soil Cracks (B6)		Recent Iro	n Reduct	on in Tille	d Soils (Ce	5) Sat	uration Visible on Aerial	Imagery (C9)
Inundat	ion Visible on Aerial Im	agery (B7)	Thin Mucl	Surface	(C7)			allow Aquitard (D3)	
Water-S	Stained Leaves (B9)		Other (Ex	plain in Re	emarks)		FAC	C-Neutral Test (D5)	
Field Obser									
Surface Wat	ter Present? Yes	s No	Depth (in	ches):		_			
Water Table	Present? Yes	s No	Depth (in	ches):					1000
Saturation P	Present? Yes	s No	Depth (in	ches):		_ Wetl	and Hydrology I	Present? Yes 🗡	No
(includes ca	pillary fringe) corded Data (stream g		,			- 1	if available:		
Describe Re	corded Data (stream g	auge, monit	oning well, aerial	ριτοιος, βι	CVIOUS IIIS	pecii0118),	ii available.		
						-1			
Remarks:									
									4

Project/Site: Clinton Koth Extension	City/County: MUY	(1849 RYCKSCSampling Date: 1/9/14
Applicant/Owner: KCTD		State: CA Sampling Point: SP-39
	_ Section, Township, Ra	. 1
Landform (hillslope, terrace, etc.): CYCCK 100+10W		
Subregion (LRR): Lat:		Long: Datum:
Soil Map Unit Name:	\ /	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of y		(If no, explain in Remarks.)
Are Vegetation N, Soil N, or Hydrology N significantly		"Normal Circumstances" present? Yes No
Are Vegetation M_, Soil N_, or Hydrology N_ naturally p	roblematic? (If ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing	g sampling point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	I- 41- 0I	
Hydric Soil Present? Yes No	Is the Sampled within a Wetlan	V
	. Within a Wetlan	NO
Remarks:		
, and the second		
VEGETATION – Use scientific names of plants.		
Tree Stratum (Plot size: 30 ( Absolute % Cove	Dominant Indicator Species? Status	Dominance Test worksheet:
1. Salix 19510/PPIS 75	1	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant
3		Species Across All Strata: (B)
4		Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: \\O'\)	_ = Total Cover	That Are OBL, FACW, or FAC:
1		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species x 1 =
4		FACW species
5	= Total Cover	FAC species x 3 = FACU species x 4 =
Herb Stratum (Plot size: 5	Harry S. C. Charles C.	UPL species x5 =
1. Bromus dianaris 15	Y UPL	Column Totals: 90 (A) 225 (B)
2		225/. 2 4
3		
4		Hydrophytic Vegetation Indicators: Dominance Test is >50%
5		Prevalence Index is ≤3.0¹
7.		Morphological Adaptations <sup>1</sup> (Provide supporting
8		data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size: 30 )	_ = Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1		be present, unless disturbed or problematic.
	_ = Total Cover	Hydrophytic
% Bare Ground in Herb Stratum <u>65</u> % Cover of Biotic 0	Crust O	Vegetation Present? Yes No No
Remarks:	TWO SEASON STATES OF THE SEASO	100/2
I		

SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Color (moist) % Type<sup>1</sup> Loc<sup>2</sup> (inches) Color (moist) Texture loamy sand <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils<sup>3</sup>: Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) \_\_ Sandy Redox (S5) \_\_\_ 1 cm Muck (A9) (LRR C) \_\_\_ Histosol (A1) \_ 2 cm Muck (A10) (LRR B) \_\_\_ Histic Epipedon (A2) Stripped Matrix (S6) \_\_\_ Loamy Mucky Mineral (F1) Reduced Vertic (F18) \_\_\_ Black Histic (A3) \_\_\_ Hydrogen Sulfide (A4) \_\_ Loamy Gleyed Matrix (F2) Red Parent Material (TF2) \_\_ Depleted Matrix (F3) Stratified Layers (A5) (LRR C) Other (Explain in Remarks) \_\_\_ Redox Dark Surface (F6) 1 cm Muck (A9) (LRR D) \_\_\_ Depleted Dark Surface (F7) Depleted Below Dark Surface (A11) <sup>3</sup>Indicators of hydrophytic vegetation and Thick Dark Surface (A12) Redox Depressions (F8) \_\_ Sandy Mucky Mineral (S1) \_\_\_ Vernal Pools (F9) wetland hydrology must be present, Sandy Gleyed Matrix (S4) unless disturbed or problematic. Restrictive Layer (if present): Type: Depth (inches): Hydric Soil Present? Yes Remarks: No hydric soil indicators observed. **HYDROLOGY** 

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1) Salt Crust (B11)	Water Marks (B1) (Riverine)
High Water Table (A2) Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
Saturation (A3) Aquatic Invertebrates (B13)	Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1)	✓ Drainage Patterns (B10)
Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Livir	ng Roots (C3) Dry-Season Water Table (C2)
Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6) Recent Iron Reduction in Tilled So	ils (C6) Saturation Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9) Other (Explain in Remarks)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	
Water Table Present? Yes No Depth (inches):	~/
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspect	tions), if available:
Remarks:	
, , , , , , , , , , , , , , , , , , ,	

Applicant/Owner: RCTD  Investigator(s): 7 West, A Parra  Landform (hillslope, terrace, etc.): Channel  Subregion (LRR): Channel  Soil Map Unit Name: Are climatic / hydrologic conditions on the site typical for Are Vegetation N, Soil N, or Hydrology N  Are Vegetation N, Soil N, or Hydrology N	Lat: this time of ye _ significantly _ naturally pro	Section, Township, Ra Local relief (concave,  ar? Yes No _ disturbed? Are oblematic? (If no	convex, none):
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  Yes  Yes	No <u>×</u>	Is the Sampled within a Wetlan	
Remarks:			
VEGETATION – Use scientific names of pla	ants.		
Tree Stratum (Plot size: 50)	Absolute	Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 00)  1. SA/IX \QSI 0\PS	<u>% Cover</u> ∂O	Species? Status	Number of Dominant Species
1. SAILX USIDIEPIS		Y FACW	That Are OBL, FACW, or FAC: (A)
2.			Total Number of Dominant
3		<del></del>	Species Across All Strata: (B)
4.	90	= Total Cover	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:		= Total Cover	That Are OBL, FACW, or FAC: 50% (A/B)
1			Prevalence Index worksheet:
2			Total % Cover of: Multiply by:
3.			OBL species x 1 =
	100 000		FACW species 80 x2= \60
5.			FAC species x 3 =
٦١		= Total Cover	FACU species x 4 =
Herb Stratum (Plot size: 5			UPL species 10 x 5 = 50
1. Bromus diandrus	_ 10_	Y UTL	Column Totals: 90 (A) 210 (B)
2			
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
8			data in Remarks or on a separate sheet)
20'	_10	= Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size: 30')			10.00
1			<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2	<del></del>		
40	Y	= Total Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cov	er of Biotic Cr	ust	Present? Yes No
Remarks:			

Sampling Point: SP-40

	needed to document the indicator or c	op met men product i ver men neder i men kommende i in i samme ne disensi product. ✓
Depth Matrix (inches) Color (moist) %	Redox Features  Color (moist)  % Type¹ L	oc <sup>2</sup> Texture Remarks
	Color (moist) % Type L	
23 104R 3/3 100		learny sard
5 00100000 D = 0.000 00 000		
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=R	advect Matrix CS=Covered or Coated S	and Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LR		Indicators for Problematic Hydric Soils <sup>3</sup> :
5 3 3 3 3 3	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histosol (A1) Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
Restrictive Layer (if present):		
Туре:	<u> </u>	
Depth (inches):	<del></del>	Hydric Soil Present? Yes No X
Remarks:		
No hydric soil in	L'ORDINE TROCOUR	
	ISILAILA DI COUTTI	
110 1101.0 0011 11	isituius hearii.	
110 110 0011 111	Marchia Diegoni.	
	iological blegging	
HYDROLOGY	iological blegging	
HYDROLOGY  Wetland Hydrology Indicators:		
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of	check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the control of the co	check all that apply) Salt Crust (B11)	Water Marks (B1) (Riverine)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the control of the co	check all that apply) Salt Crust (B11) Biotic Crust (B12)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the control of the co	check all that apply) Salt Crust (B11)	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the control of the co	check all that apply) Salt Crust (B11) Biotic Crust (B12)	Water Marks (B1) (Riverine)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the control of the co	check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livir	Water Marks (B1) (Riverine)  X Sediment Deposits (B2) (Riverine)  X Drift Deposits (B3) (Riverine)  X Drainage Patterns (B10)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the control of the co	check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livin  Presence of Reduced Iron (C4)	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the control of the co	check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livir	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the control of the co	check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livin  Presence of Reduced Iron (C4)	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the control of the co	check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livir  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Sc	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the control of the co	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the control of the co	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the content of the co	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the second	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the second	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes X No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; 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 (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes X No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the second	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes X No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of the second	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes X No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of a 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 No water Table Present? Yes No (includes capillary fringe)  Describe Recorded Data (stream gauge, monitical description)	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes X No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of a 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 No water Table Present? Yes No (includes capillary fringe)  Describe Recorded Data (stream gauge, monitical description)	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes X No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; of a 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 No water Table Present? Yes No (includes capillary fringe)  Describe Recorded Data (stream gauge, monitical description)	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes X No

Project/Site: (1: den Keith Red Ext.	City	//County:	Murri	eta Riverside Sampling Date: 1/15/17
and the same of th				State: CA Sampling Point: 5P-4.
Investigator(s): A. PARPA, 2. WEST				nge:
Landform (hillslope, terrace, etc.): + PYVACP				
				Long: Datum:
Soil Map Unit Name:				
Are climatic / hydrologic conditions on the site typical for this time			-	10 No. 10
Are Vegetation $N$ , Soil $N$ , or Hydrology $N$ significant				Normal Circumstances" present? Yes No
Are Vegetation N, Soil N, or Hydrology N natural	illy proble	matic?	(If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	wing sa	mpling	point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No				
Hydric Soil Present? Yes X			Sampled	
Wetland Hydrology Present? Yes No		Withii	n a Wetlan	d? Yes No No
Remarks:				
2				
VEGETATION – Use scientific names of plants.				
	olute Do	ominant		Dominance Test worksheet:
1. 5 6 1 × 165, ple pis			FALLY	Number of Dominant Species That Are OBL, FACW, or FAC:5 (A)
2				
3				Total Number of Dominant Species Across All Strata:
4				Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: 10')	0_=1	Total Cov	er	That Are OBL, FACW, or FAC: (A/B)
1. U. toon diesen	5	Y	FAC	Prevalence Index worksheet:
2. Thaties involvisly men 1	5	7	FAL	Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
Horb Stratum (Blat size: 5	<u>:</u> O=T	Total Cov	er	FACU species x 4 =
1. Anamopsis in formia	45	Y	OBL	UPL species x 5 = Column Totals: (A) (B)
2. Frankinin spline 5	55	<u> </u>	FAW	(A)(B)
3				Prevalence Index = B/A =
4				Hydrophytic Vegetation Indicators:
5				Dominance Test is >50%
6				<ul> <li>Prevalence Index is ≤3.0¹</li> <li>Morphological Adaptations¹ (Provide supporting</li> </ul>
7				data in Remarks or on a separate sheet)
0	0 = T	otal Cove		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size: 50)		otal oove	-	
1				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2				
		otal Cove	er	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cover of Bio	otic Crust			Present? Yes No No
Remarks:				

Depth (inches) Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks  O 32 7.5 YR³/ 100  ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Mathydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	
1 Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.  2 Location: PL=Pore Lining, M=Matrix, M=Matr	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Ma	
	triy
Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C)	1.5
Histic Epipedon (A2)  Stripped Matrix (S6)  Z cm Muck (A10) (LRR B)	
Black Histic (A3)  Loamy Mucky Mineral (F1)  Reduced Vertic (F18)	
Black Holds (16) Estatis Intersty Miles (17) Red Parent Material (TF2)	
Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks)	
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)	
Thick Dark Surface (A12) Redox Depressions (F8)   3Indicators of hydrophytic vegetation and	
Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present,	
Sandy Gleyed Matrix (S4) unless disturbed or problematic.	10
Restrictive Layer (if present):	
Type:	
Depth (inches): No	·
Remarks: Soils in accommodal as suline -alkaline (Chinos:	111
	1 1 bohm
were miche ter modiobrotion and meterny property	NAGO
indivators, sails inferred as hadre per Section 5 of the Ar	370
( all im eat	· 0 W
HYDROLOGY	
Wetland Hydrology Indicators:	
Primary Indicators (minimum of one required; check all that apply)  Secondary Indicators (2 or more required)	uired)
Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine)	
High Water Table (A2)  Biotic Crust (B12)  Sediment Deposits (B2) (Riveri	ne)
✓ Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine)	
Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10)	
Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2)	
Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8)	
Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Ima	gery (C9)
Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3)	200
Field Observations:	
Surface Water Present? Yes X No Depth (inches): 4	
Water Table Present? Yes Yes Depth (inches): 15	
Saturation Present? Yes $\checkmark$ No Depth (inches): Wetland Hydrology Present? Yes N	n
(includes capillary fringe)	<u> </u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

Project/Site: (1: ~ on Keith Doc.	) E x d Cityle	Sauntin Murr	ieta linorcido
Applicant/Owner: PCTD	2 2 74 T. City/C	bounty: 191011	State: CA Sampling PointSP-42
Investigator(s): A Parra, 2 Wist	Conti	on Toumahin Da	State: Sampling Points P L
Landform (hillslope, terrace, etc.):	Section	on, rownsnip, Ra	ange:
Subregion (I BB):	Loca	relier (concave,	convex, none): Slope (%):
Subregion (LRR):			
Soil Map Unit Name:			NWI classification:
Are climatic / hydrologic conditions on the site typical for this	time of year? Y		
Are Vegetation N, Soil N, or Hydrology N sign			"Normal Circumstances" present? Yes No
Are Vegetation N, Soil N, or Hydrology N na			eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	howing sam	npling point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes You			
Hydric Soil Present? Yes No		Is the Sampled	and the state of t
Wetland Hydrology Present? Yes No		within a Wetlan	nd? Yes No
Remarks:			
-			
VEGETATION – Use scientific names of plants	e		
		inant Indicator	Dominance Test worksheet:
	% Cover Spec		Number of Dominant Species
1			That Are OBL, FACW, or FAC:(A)
2			Total Number of Dominant
3			Species Across All Strata: (B)
4			Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: 10 )	= Tot	al Cover	That Are OBL, FACW, or FAC: 75 (A/B)
1. Urtich dioich	15	Y FAL	Prevalence Index worksheet:
2. Nicotiana slavea	15	Y FAC	Total % Cover of: Multiply by:
3. Holianthus, annus	<u> 2 N</u>	U FACU	OBL species x 1 =
4. Hirschteldin inchan	20	Y UPL	FACW species x 2 =
5			FAC species x 3 =
Herb Stratum (Plot size: O)	<u>52</u> = Tot		FACU species x 4 =
1. Frankenik Salina	50	Y FALL	UPL species x 5 =
2. Distictling spicata	5 N		Column Totals: (A) (B)
3			Prevalence Index = B/A =
4			Hydrophytic Vegetation Indicators:
5			→ Dominance Test is >50%
6			Prevalence Index is ≤3.0¹
7		<del></del>	Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8	55 = Tota		Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size: 30 '	= 10ta	al Cover	, , , , , , , , , , , , , , , , , , ,
1			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2			be present, unless disturbed or problematic.
·	= Tota	al Cover	Hydrophytic
% Bare Ground in Herb Stratum <u> </u>	f Biotic Crust	d	Vegetation Present? Yes No
Remarks:		7	

-		
	u	

Sampling Point: SP-42

Depth Mat			x Features	1 , 2		
(inches) Color (mois		Color (moist)		Loc <sup>2</sup>	Clay Colw	Remarks
0-28 JOYR 3/1	99				ciard Lorda	salene concretion
0-28		N85/N	4			Salevic constension
				_	-	· · · · · · · · · · · · · · · · · · ·
						·
Type: C=Concentration, D=				ated Sand C	Brains. <sup>2</sup> L	ocation: PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (Ap	plicable to all L	.RRs, unless othe	rwise noted.)			s for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)		Sandy Red				Muck (A9) (LRR C)
Histic Epipedon (A2)		Stripped M				Muck (A10) (LRR B)
Black Histic (A3)			cky Mineral (F1)			iced Vertic (F18)
Hydrogen Sulfide (A4)			yed Matrix (F2)			Parent Material (TF2)
Stratified Layers (A5) (L		Depleted M			_X Othe	r (Explain in Remarks)
1 cm Muck (A9) (LRR D	5	and the second s	k Surface (F6)			
Depleted Below Dark St			ark Surface (F7)		3Indiantor	s of hydrophytic vegetation and
Thick Dark Surface (A12		Vernal Poo	ressions (F8)			d hydrology must be present,
Sandy Mucky Mineral (S	150	vernai Poo	115 (ГЭ)			disturbed or problematic.
Sandy Gleyed Matrix (S Restrictive Layer (if preser					T T T T T T T T T T T T T T T T T T T	distarbed of problematic.
823						
						82
·· ——					Undria Ca	il Brosont? Von No X
Depth (inches):			present		Hydric So	il Present? Yes No _X
Depth (inches):Remarks: No Moric So			iresent.		Hydric So	il Present? Yes No _X
Depth (inches):	il indic		present		Hydric So	il Present? Yes No _X
Depth (inches):  Remarks:  No hydric so  YDROLOGY  Wetland Hydrology Indicat	il indic	ators p				il Present? Yes NoX
Depth (inches):  Remarks:  No hydric so  YDROLOGY  Wetland Hydrology Indicate  Primary Indicators (minimum	il indic	'at ovs P	ly)		Sec	ondary Indicators (2 or more required)
Depth (inches):	il indic	check all that app	ly) i (B11)		Sec.	ondary Indicators (2 or more required) Water Marks (B1) ( <b>Riverine</b> )
Depth (inches):	il indic	check all that app Salt Crust Biotic Cru	ly) t (B11) st (B12)		Sec.	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3)	indicors:	check all that app Salt Crust Biotic Cru Aquatic In	ly) t (B11) lst (B12) nvertebrates (B13)		Sec.	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Primary Indicators (minimum  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (None	ors: of one required	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen	ly) t (B11) lst (B12) nvertebrates (B13) s Sulfide Odor (C1	)	<u>Sec</u>	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2)	cors: n of one required	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized	ly) t (B11) ist (B12) nvertebrates (B13) i Sulfide Odor (C1 Rhizospheres aloi	) ng Living Ro	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)
Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2) Drift Deposits (B3) (None	cors: n of one required riverine) (Nonriverine) uriverine)	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence	ly) t (B11) st (B12) nvertebrates (B13) s Sulfide Odor (C1 Rhizospheres alor	) ng Living Ro (C4)	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) Crayfish Burrows (C8)
Primary Indicators (Minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2) Drift Deposits (B3) (None Surface Soil Cracks (B6)	cors: n of one required riverine) (Nonriverine) nriverine)	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized It Presence Recent In	ly)  It (B11)  Ist (B12)  Invertebrates (B13)  I Sulfide Odor (C1  Rhizospheres alou  of Reduced Iron on Reduction in Ti	) ng Living Ro (C4)	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8)
Primary Indicators (minimum Surface Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2) Drift Deposits (B3) (None Surface Soil Cracks (B6) Inundation Visible on As	riverine) (Nonriverine) (riverine) (nonriverine) (riverine)	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized In Presence Recent Iro	ly) it (B11) list (B12) overtebrates (B13) it Sulfide Odor (C1 Rhizospheres alor of Reduced Iron of on Reduction in Tick Surface (C7)	) ng Living Ro (C4) lled Soils (C	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2) Drift Deposits (B3) (None Surface Soil Cracks (B6) Inundation Visible on Act Water-Stained Leaves (	riverine) (Nonriverine) (riverine) (nonriverine) (riverine)	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized In Presence Recent Iro	ly)  It (B11)  Ist (B12)  Invertebrates (B13)  I Sulfide Odor (C1  Rhizospheres alou  of Reduced Iron on Reduction in Ti	) ng Living Ro (C4) lled Soils (C	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8)
Primary Indicators (minimum Surface Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2) Drift Deposits (B3) (None Surface Soil Cracks (B6) Inundation Visible on As Water-Stained Leaves (Field Observations:	riverine) (Nonriverine) iriverine) (nonriverine) prial Imagery (B7	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent Irc Thin Mucl	ly) t (B11) ist (B12) invertebrates (B13) i Sulfide Odor (C1 Rhizospheres alor of Reduced Iron on Reduction in Ti k Surface (C7) iplain in Remarks)	) ng Living Ro (C4) lled Soils (C	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Primary Indicators (minimum Surface Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2) Drift Deposits (B3) (None Surface Soil Cracks (B6) Inundation Visible on As Water-Stained Leaves (Field Observations:	cors: nof one required (Nonriverine) (Nonriverine) priverine) (Priverine)	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent Iro Thin Mucl Other (Ex	ly)  It (B11)  Ist (B12)  Invertebrates (B13)  It Sulfide Odor (C1)  Rhizospheres alor  If Reduced Iron (In the Control of In the Control of Iron (In the Control of In the Control of Iron (In the Control of In the Control of In the Control of Iron (In the Control of In the Control of In the Control of Iron (In the Control of In the Control of In the Control of Iron (In the Control of In the Control of In the Control of Iron (In the Control of In the Control of In the Control of Iron (In the Control of In the Control of In the Control of Iron (In the Control of In the Control of In the Control of Iron (In the Control of In the Control of In the Control of Iron (In the Control of In the Control of In the Control of Iron (In the Control of In th	) ng Living Ro (C4) lled Soils (C	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches):	riverine) (Nonriverine) iriverine) (Nonriverine) iriverine) (Honoriverine)	check all that app Salt Crust Biotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent Iro Thin Mucl Other (Ex	ly)  It (B11)  Ist (B12)  Invertebrates (B13)  I Sulfide Odor (C1  Rhizospheres alor  of Reduced Iron  on Reduction in Ti  k Surface (C7)  Iplain in Remarks)  Inches):  Inches):	) ng Living Ro (C4) lled Soils (C	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Primary Indicators (minimum Surface Water Table Posits (B3) (Non Surface Soil Cracks (B6) Inundation Visible on Act Water Stained Leaves (Field Observations:  Depth (inches):  Primary Indicators (minimum Surface Water Table (A2)  Saturation (A3)  Water Marks (B1) (Non Sediment Deposits (B3) (Non Surface Soil Cracks (B6) Inundation Visible on Act Water-Stained Leaves (Field Observations:  Surface Water Present?  Water Table Present?	riverine) (Nonriverine) iriverine) (Nonriverine) iriverine) (Honoriverine)	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent Iro Thin Mucl Other (Ex	ly)  It (B11)  Ist (B12)  Invertebrates (B13)  I Sulfide Odor (C1  Rhizospheres alor  of Reduced Iron  on Reduction in Ti  k Surface (C7)  Iplain in Remarks)  Inches):  Inches):	) ng Living Ro (C4) lled Soils (C	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches):  Remarks:  No Moric So  YDROLOGY  Wetland Hydrology Indicate  Primary Indicators (minimum  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (None  Sediment Deposits (B2)  Drift Deposits (B3) (None  Surface Soil Cracks (B6)  Inundation Visible on Ae  Water-Stained Leaves ( Field Observations:  Surface Water Present?  Water Table Present?  Saturation Present?  Saturation Present?	cors: nof one required  riverine) (Nonriverine) nriverine) ) erial Imagery (B7 B9)  Yes N Yes N	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent Iro Thin Mucl Other (Ex	ly)  It (B11)  Ist (B12)  Invertebrates (B13)  It Sulfide Odor (C1)  Rhizospheres alor  It of Reduced Iron (In the Control of In the Control of In the Control of Interest (In the Control of In the Control of Interest (In the Control of In	) ng Living Ro (C4) lled Soils (C	Secondary 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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches):	cors: nof one required  riverine) (Nonriverine) nriverine) ) erial Imagery (B7 B9)  Yes N Yes N	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent Iro Thin Mucl Other (Ex	ly)  It (B11)  Ist (B12)  Invertebrates (B13)  It Sulfide Odor (C1)  Rhizospheres alor  It of Reduced Iron (In the Control of In the Control of In the Control of Interest (In the Control of In the Control of Interest (In the Control of In	) ng Living Ro (C4) lled Soils (C	Secondary 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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches):  Remarks:  No NOCC SO  Wetland Hydrology Indicate Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (None Sediment Deposits (B2) Drift Deposits (B3) (None Surface Soil Cracks (B6 Inundation Visible on Act Water-Stained Leaves ( Field Observations: Surface Water Present? Water Table Present? Water Table Present? (includes capillary fringe) Describe Recorded Data (street)	riverine) (Nonriverine) (riverine) (nonriverine) (riverine) (nonriverine) (nonriverine	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent Irc Thin Mucl Other (Ex	ly)  It (B11)  Ist (B12)  Invertebrates (B13)  It Sulfide Odor (C1)  Rhizospheres alor  It on Reduced Iron (It on Reduced Iron (It on Reduced Iron)  It on Reduction in Tick Surface (C7)  Inches):	) ng Living Ro (C4) lled Soils (C	Secondary 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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Primary Indicators (minimum Surface Water Table (A2) Drift Deposits (B3) (Non Surface Soil Cracks (B6 Inundation Visible on Act Water Table Present? Cincludes capillary fringe) Describe Recorded Data (streeps)	riverine) (Nonriverine) (riverine) (nonriverine) (riverine) (nonriverine) (nonriverine	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent Irc Thin Mucl Other (Ex	ly)  It (B11)  Ist (B12)  Invertebrates (B13)  It Sulfide Odor (C1)  Rhizospheres alor  It on Reduced Iron (It on Reduced Iron (It on Reduced Iron)  It on Reduction in Tick Surface (C7)  Inches):	) ng Living Ro (C4) lled Soils (C	Secondary 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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Primary Indicators (minimum Surface Water Table Cracks (B6) Inundation Visible on Activation Present?  Water Table Present?  Water Table Present?  Water Table Present?  Water Table Present?  Saturation Present?	riverine) (Nonriverine) (riverine) (nonriverine) (riverine) (nonriverine) (nonriverine	check all that app Salt Crust Biotic Cru Aquatic In Hydrogen Oxidized Presence Recent Iro Thin Mucl Other (Ex	ly)  It (B11)  Ist (B12)  Invertebrates (B13)  It Sulfide Odor (C1)  Rhizospheres alor  It on Reduced Iron (It on Reduced Iron (It on Reduced Iron)  It on Reduction in Tick Surface (C7)  Inches):	) ng Living Ro (C4) lled Soils (C	Secondary 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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site: Clinton Keitl Road	Ex City/County: Muy	rieta, Riverside Sampling Date: 1/15/14
Applicant/Owner: RCTD		State: CA Sampling Point: SP - 43
Investigator(s): A Parca Z west	Section, Township, F	Range:
Landform (hillslope, terrace, etc.): Floodplain	depression relief (concave	e, convex, none): Con Cave Slope (%): 21
		Long: Datum:
Soil Map Unit Name:		NWI classification:
Are climatic / hydrologic conditions on the site typical for		
Are Vegetation $N$ , Soil $N$ , or Hydrology $N$	significantly disturbed?	e "Normal Circumstances" present? Yes No
Are Vegetation N, Soil N, or Hydrology N		11 ST
		needed, explain any answers in Remarks.)  locations, transects, important features, etc.
Hydric Soil Present? Yes X	No Is the Sample No within a Wetl	504564 (1.155644466622)
VEGETATION – Use scientific names of plants	ants.	
- 20'	Absolute Dominant Indicator	
Tree Stratum (Plot size: 30')	% Cover Species? Status	-   Number of Dominant Species ,
1		That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant
4.		Species Across All Strata: (B)
Sapling/Shrub Stratum (Plot size: 10'	= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
1. Runge Ulibers		Prevalence Index worksheet:
2. Vitigan diaica	5 N FAL	Total % Cover of: Multiply by:
3		OBL species x 1 =
4		FACW species x 2 =
5		FAC species x 3 =
Herb Stratum (Plot size: 5 ')	_ <i>80</i> = Total Cover	FACU species x 4 =
1.		UPL species x 5 =
2.		Column Totals: (A) (B)
3.		Prevalence Index = B/A =
4		Hydrophytic Vegetation Indicators:
5		✓ Dominance Test is >50%
6		Prevalence Index is ≤3.0¹
7		Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8		Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot∘size: 30 ′	= Total Cover	vesternation (Explain)
1		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
-	= Total Cover	Hydrophytic
% Bare Ground in Herb Stratum 20 % Cov	ver of Biotic Crust	Vegetation Present?  Yes No
Remarks:		100
		I

Profile Description: (Describe to the depth needed to document the indicator of	or confirm the absence of indicators.)
Depth Matrix Redox Features	
(inches) Color (moist) % Color (moist) % Type <sup>1</sup>	Loc <sup>2</sup> Texture Remarks
0-6 7.57 (27 100	Clambour 1
8-24 1.5 YR1.5% (50)	Clan bom
8-24 7.54RV.52 40 8	Sad Joan
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coate	d Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1) Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2) Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3) Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C) Depleted Matrix (F3)	∴ Other (Explain in Remarks)
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)	1.
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)	3 Indicators of hydrophytic vocatation and
Thick Dark Surface (A12) — Redox Depressions (F8)  Sandy Mucky Mineral (S1) Vernal Pools (F9)	<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present,
Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4)	unless disturbed or problematic.
Restrictive Layer (if present):	
Type:	
Depth (inches):	Hydric Soil Present? Yes X No
Remarks: Soil in area mapped as saline-a	Ikaline (chino: silt Loan)
Area meets for hydrophytic vegetation	
incicators, soils inferred as morio per	section & of the Aria West
supplement.	
HYDRÓLOGY	
Wetland Hydrology Indicators:	
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1) Salt Crust (B11)	Water Marks (B1) (Riverine)
High Water Table (A2) Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
Saturation (A3) Aquatic Invertebrates (B13)	Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1)	_★ Drainage Patterns (B10)
Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along	Living Roots (C3) Dry-Season Water Table (C2)
Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4	4) Crayfish Burrows (C8)
✓ Surface Soil Cracks (B6)   ✓    — Recent Iron Reduction in Tilled  — Recent Iron Recent Iron Reduction in Tilled  — Recent Iron Recent Iron Reduction in Tilled  — Recent Iron Recent Iron Recent Iron Recent Iron Reduction in Tilled  — Recent Iron Recent Iron Recent Iron Recent Iron Reduction Iron Recent Iron Recen	d Soils (C6) Saturation Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9) Other (Explain in Remarks)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	_
Water Table Present? Yes No Depth (inches):	_  _/
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No No
(includes capillary fringe)	noctions) if available:
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous ins	pections), if available.
Remarks:	

Project/Site: Chaton Kaith Bas	J Ext.	City/County: Morr	ieta / Riv. Co Sampling Date: 1/15/11
Applicant/Owner: ACTD			State: Sampling Point: $\leq P - 44$
Investigator(s): A Part of 2			ange:
Landform (hillslope, terrace, etc.): Book 510 p	ę .	Local relief (concave.	convex. none): ( 6 > 1   Slone (%): 2
Subregion (LRR):			Long: Datum:
Soil Map Unit Name:			NWI classification:
Are climatic / hydrologic conditions on the site typical for thi			
Are Vegetation $\[ \frac{N}{N} \]$ , Soil $\[ \frac{N}{N} \]$ , or Hydrology $\[ \frac{N}{N} \]$			"Normal Circumstances" present? Yes X No
Are Vegetation N, Soil N, or Hydrology N			
SUMMARY OF FINDINGS – Attach site map			eeded, explain any answers in Remarks.)
			, , , , , , , , , , , , , , , , , , , ,
Hydrophytic Vegetation Present? Yes N Hydric Soil Present? Yes N	X	Is the Sample	<b>\</b>
Wetland Hydrology Present? Yes N		within a Wetla	nd? Yes No <del>X</del>
Remarks:			
VEGETATION – Use scientific names of plan	101/1012011		
Tree Stratum (Plot size: 30'		Dominant Indicator Species? Status	Dominance Test worksheet:
1			Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2.			
3			Total Number of Dominant Species Across All Strata:
4			(-,
Sapling/Shrub Stratum (Plot size:		= Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
1. C: rsium vulaar	35	Y FACU	Prevalence Index worksheet:
2. Marrobium volcare	20	Y FACU	Total % Cover of: Multiply by:
3. Hirschfeldin intana	20	Y UPL	OBL species x 1 =
4. Ambrosin psilostachyn	_5	V FACU	FACW species x 2 =
5			FAC species $20 \times 3 = 60$
Herb Stratum (Plot size:	<u>80</u> :	= Total Cover	FACU species $(a0)$ $x4 = 240$ UPL species $90$ $x5 = 450$
1. Schismus barbatus	70	Y UPL	N CONTRACTOR OF THE PROPERTY O
2. Runex (c. spus	20	Y FAC	()
3			Prevalence Index = B/A = $\frac{750}{170}$ = $\frac{5}{5}$
4			Hydrophytic Vegetation Indicators:
5	·		Dominance Test is >50%
6			Prevalence Index is ≤3.0¹
7			Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8	90		Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:)	:	= Total Cover	
1			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2.			be present, unless disturbed or problematic.
		= Total Cover	Hydrophytic
% Bare Ground in Herb Stratum % Cover	of Biotic Cru	ıst ( )	Vegetation Present? Yes No
Remarks:			100 110

Depth							the absence of	
(inches)	Matrix Color (moist)	%	Redo Color (moist)	x Features %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
(inches)	101/R 3/1		Color (moist)		Турс	LOC	sandy clay	Kemarks
<u>D-20</u>	(DA12 -11	100					16ahr	
	» <del></del>							
			(T) (T) (T)					
<sup>1</sup> Type: C=C	oncentration, D=De	pletion, RM=I	Reduced Matrix, CS	S=Covered	or Coate	d Sand Gr		on: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applie	cable to all L	RRs, unless other	rwise note	ed.)		Indicators for	r Problematic Hydric Soils <sup>3</sup> :
Histosol			Sandy Red				1 cm Mud	k (A9) (LRR C)
	pipedon (A2)		Stripped Ma	Commence of the Commence of th			2 cm Muc	k (A10) (LRR B)
	istic (A3)		Loamy Muc	ky Minera	(F1)		Reduced	Vertic (F18)
	en Sulfide (A4)		Loamy Gley				Red Pare	nt Material (TF2)
	d Layers (A5) (LRR	C)	Depleted M	2				plain in Remarks)
	uck (A9) (LRR D)	7	Redox Dark		F6)		•	•
- CALLESTAN SCOPAGE	d Below Dark Surface	ce (A11)	Depleted D					*
	ark Surface (A12)	,	Redox Dep				3Indicators of	hydrophytic vegetation and
<del></del>	Mucky Mineral (S1)		Vernal Pool					drology must be present,
	Gleyed Matrix (S4)			()				urbed or problematic.
	Layer (if present):					***		
	Layer (ii processy)							
Type:							Undeia Call Da	esent? Yes No X
Depth (in	iches):		<del>-</del>				nyuric Soil Pr	esentr res No /\
Remarks:	200 111	5 0 0 PM	las alacat	~ l-	1111	1 / 0-	a sil a	0 00 11.1.1.10
Linesi	old colone	s enu	JOHN THOO	UT	16	KIOM	FOU SOL	face. No hydric
Soll	indicators							
IYDROLO	)GY							
	OGY rdrology Indicators	:						
Wetland Hy			check all that appl	ly)			Seconda	ry Indicators (2 or more required)
Wetland Hy Primary Indi	drology Indicators cators (minimum of							
Wetland Hy Primary Indi	rdrology Indicators cators (minimum of Water (A1)		Salt Crust	(B11)			Wate	er Marks (B1) (Riverine)
Wetland Hy Primary India Surface High Wa	rdrology Indicators cators (minimum of Water (A1) ater Table (A2)		Salt Crust	(B11) st (B12)	e (B13)		Wate	er Marks (B1) (Riverine) ment Deposits (B2) (Riverine)
Wetland Hy Primary India Surface High Wa Saturati	rdrology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3)	one required	Salt Crust Biotic Crus Aquatic In	(B11) st (B12) vertebrate			Wate Sedi Drift	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine)
Wetland Hy Primary India Surface High Wa Saturati Water M	rdrology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive	one required	Salt Crust Biotic Crust Aquatic In Hydrogen	(B11) st (B12) vertebrate Sulfide Od	dor (C1)		Wate Sedi Drift Drain	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10)
Wetland Hy Primary India Surface High Wa Saturati Water M Sedime	edrology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive int Deposits (B2) (No	one required: rine) onriverine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F	(B11) st (B12) vertebrate Sulfide Oo Rhizosphe	dor (C1) res along		Wate Sedi Drift Drain ots (C3) Dry-	er Marks (B1) (Riverine) Iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) Inage Patterns (B10) Season Water Table (C2)
Wetland Hy Primary India Surface High Wa Saturati Water M Sedime	rdrology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive	one required: rine) onriverine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F	(B11) st (B12) vertebrate Sulfide Oo Rhizosphe of Reduce	dor (C1) res along d Iron (C4	1)	Wate Sedi Drift Drain ots (C3) Dry Cray	er Marks (B1) (Riverine) Iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) Inage Patterns (B10) Season Water Table (C2) Infish Burrows (C8)
Wetland Hy Primary India Surface High Wa Saturati Water M Sedime Drift De	edrology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive int Deposits (B2) (No	one required: rine) onriverine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F	(B11) st (B12) vertebrate Sulfide Oo Rhizosphe of Reduce	dor (C1) res along d Iron (C4	1)	Wate Sedi Drift Drain ots (C3) Dry Cray	er Marks (B1) (Riverine) Iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) Inage Patterns (B10) Season Water Table (C2)
Wetland Hy Primary India Surface High Wa Saturati Water M Sedime Drift De Surface	rdrology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive nt Deposits (B2) (Nonrive	one required: rine) onriverine) erine)	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) st (B12) evertebrate Sulfide Oc Rhizosphe of Reduce on Reduction	dor (C1) res along d Iron (C4 on in Tille	1)	Wate Sedi Drift Drain ots (C3) Dry Cray S) Satu	er Marks (B1) (Riverine) Iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) Inage Patterns (B10) Season Water Table (C2) Infish Burrows (C8)
Wetland Hy Primary India Surface High Wa Saturati Water M Sedime Drift De Surface Inundati	rdrology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive int Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial	one required: rine) onriverine) erine) Imagery (B7	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) st (B12) evertebrate Sulfide Oc Rhizosphe of Reduce on Reduction	dor (C1) res along d Iron (C4 on in Tilled C7)	1)	Wate Sedi Drift Drain ots (C3) Cray Cray S) Satu Shal	er Marks (B1) ( <b>Riverine</b> ) Iment Deposits (B2) ( <b>Riverine</b> ) Deposits (B3) ( <b>Riverine</b> ) Inage Patterns (B10) Season Water Table (C2) Infish Burrows (C8) Iration Visible on Aerial Imagery (C9)
Wetland Hy Primary India Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S	rdrology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive int Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9)	one required: rine) onriverine) erine) Imagery (B7	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(B11) st (B12) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti c Surface (	dor (C1) res along d Iron (C4 on in Tilled C7)	1)	Wate Sedi Drift Drain ots (C3) Cray Cray S) Satu Shal	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) uration Visible on Aerial Imagery (C9)
Primary India Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S	rdrology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive int Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations:	one required: rine) onriverine) erine) Imagery (B7	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Ex	(B11) st (B12) overtebrate Sulfide Oc Rhizosphe of Reduce on Reducti c Surface ( plain in Re	dor (C1) res along d Iron (C4 on in Tilled C7) marks)	d Soils (C6	Wate Sedi Drift Drain ots (C3) Cray Cray S) Satu Shal	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) uration Visible on Aerial Imagery (C9)
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Wetland Hy Primary India Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P	rdrology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive int Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations: ter Present? Present?	rine) Dinriverine) erine) Imagery (B7	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp	(B11) st (B12) evertebrate Sulfide Oc Rhizosphe of Reduce on Reducti c Surface ( plain in Re eches): aches):	dor (C1) res along d Iron (C4 on in Tilled C7) marks)	d Soils (C6	Wate Sedi Drift Drain ots (C3) Cray Cray S) Satu Shal FAC	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) uration Visible on Aerial Imagery (C9)
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Wetland Hy Primary India Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	rdrology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive int Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations: ter Present? Present? Present? pillary fringe) ecorded Data (strear	rine) conriverine) erine) Imagery (B7 Yes N Yes N Yes N m gauge, mon	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Thin Muck Other (Exp	(B11) st (B12) evertebrate Sulfide Or Rhizosphe of Reduce on Reducti x Surface ( plain in Re eches): eches): photos, pr	dor (C1) res along d Iron (C4 on in Tiller C7) marks) evious ins	Wetle	Wate Sedi Drift Drain ots (C3) Dry- Satu Shal FAC  and Hydrology P	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) aration Visible on Aerial Imagery (C9) Ilow Aquitard (D3)Neutral Test (D5)
Wetland Hy Primary India Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca	rdrology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive int Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations: ter Present? Present? Present? pillary fringe) ecorded Data (strear	rine) conriverine) erine) Imagery (B7 Yes N Yes N Yes N m gauge, mon	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Thin Muck Other (Exp	(B11) st (B12) evertebrate Sulfide Or Rhizosphe of Reduce on Reducti x Surface ( plain in Re eches): eches): photos, pr	dor (C1) res along d Iron (C4 on in Tiller C7) marks) evious ins	Wetle	Wate Sedi Drift Drain ots (C3) Dry- Satu Shal FAC  and Hydrology P	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) aration Visible on Aerial Imagery (C9) Ilow Aquitard (D3)Neutral Test (D5)
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Wetland Hy Primary India Surface High Wa Saturati Water N Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes call	rdrology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive int Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations: ter Present? Present?	rine) conriverine) erine) Imagery (B7 Yes N Yes N Yes N m gauge, mon	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Thin Muck Other (Exp	(B11) st (B12) evertebrate Sulfide Or Rhizosphe of Reduce on Reducti x Surface ( plain in Re eches): eches): photos, pr	dor (C1) res along d Iron (C4 on in Tiller C7) marks) evious ins	Wetle	Wate Sedi Drift Drain ots (C3) Dry- Satu Shal FAC  and Hydrology P	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) aration Visible on Aerial Imagery (C9) Ilow Aquitard (D3)Neutral Test (D5)
Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca Describe Re	rdrology Indicators cators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonrive int Deposits (B2) (No posits (B3) (Nonrive Soil Cracks (B6) ion Visible on Aerial Stained Leaves (B9) rvations: ter Present? Present? Present? pillary fringe) ecorded Data (strear	rine) conriverine) erine) Imagery (B7 Yes N Yes N Yes N m gauge, mon	Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Thin Muck Other (Exp	(B11) st (B12) evertebrate Sulfide Or Rhizosphe of Reduce on Reducti x Surface ( plain in Re eches): eches): photos, pr	dor (C1) res along d Iron (C4 on in Tiller C7) marks) evious ins	Wetle	Wate Sedi Drift Drain ots (C3) Dry- Satu Shal FAC  and Hydrology P	er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) aration Visible on Aerial Imagery (C9) Ilow Aquitard (D3)Neutral Test (D5)

Project/Site: Clinton Kenth Extension	() City	County MAV	1411, RIVEYSIDE Sampling Date: 1/15/14
Applicant/Owner: PCTD	City/	County. 1 101 1	State: Sampling Point: SP - 45
Investigator(s): A.P. W.A. Z. WEST	Sec		ange: Sampling Point: _SP(S
Landform (hillslope, terrace, etc.): Ploudplain (No	THE STORE	al relief (concave	convey popol: CONCAVP Clara (V)
Subregion (LRR):	6		Long: Datum:
Soil Map Unit Name:	Lat		NWI classification:
Are climatic / hydrologic conditions on the site typical for thi	s time of year?		
Are Vegetation $N$ , Soil $N$ , or Hydrology $N$			
Are Vegetation N, Soil N, or Hydrology N			"Normal Circumstances" present? Yes No eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map			10 March 1 Mar
Hydrophytic Vegetation Present? Yes N Hydric Soil Present? Yes N		Is the Sampleo	1/
Wetland Hydrology Present? Yes N		within a Wetlan	nd? Yes No
Remarks:			
VEGETATION – Use scientific names of plan	te	•	
		minant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30)		ecies? Status	Number of Dominant Species
1			That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
3			Species Across All Strata: (B)
+-	= T	otal Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:
Sapling/Shrub Stratum (Plot size: 10')			(10)
1. Holianthy annus	30_	Y FACU	Prevalence Index worksheet:
	- 15 _	N JOF	Total % Cover of: Multiply by:
4. Transit romosission	15 -	TO OPL	OBL species x 1 = FACW species 25
5.		TAC	FAC species x3 =
to 1	75 = To	otal Cover	FACU species 30 x4 = \20
Herb Stratum (Plot size:			UPI species 30 v5= 150
1. Frankenia salina		Y FACW	Column Totals: <u>85</u> (A) <u>320</u> (B)
2.			Prevalence Index = B/A = 32985 - 3.76
3			Hydrophytic Vegetation Indicators:
5			Dominance Test is >50%
6			Prevalence Index is ≤3.0¹
7			Morphological Adaptations <sup>1</sup> (Provide supporting
8			data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot-size: 30 )	= To	otal Cover	Problematic Hydrophytic Vegetation (Explain)
1.			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2.			be present, unless disturbed or problematic.
,	= To	otal Cover	Hydrophytic
% Bare Ground in Herb Stratum % Cover	of Biotic Crust	0	Vegetation Present? Yes No _X
Remarks:			
300-00-00-00-00-00-00-00-00-00-00-00-00-		al system	

#### SOIL

Profile Description: (Describe to the depth		TO THE STATE OF TH
Depth Matrix	Redox Features  Color (moist) % Type¹ Lo	oc <sup>2</sup> Texture Remarks
(inches) Color (moist) %		
0-15 2.57 3/3 100		Sandy Lacon
20		
	<u> </u>	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=R	educed Matrix, CS=Covered or Coated Sa	and Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all Li	RRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
Restrictive Layer (if present):		
Type:	_	
Depth (inches):		Hydric Soil Present? Yes No
	6	
I Wall far I I want		
No Maric 2011 Mon	cotors present.	
1/10 Way 2011 11104	and present.	
	carors presern.	
HYDROLOGY	and present.	
HYDROLOGY  Wetland Hydrology Indicators:	V	
HYDROLOGY	V	Secondary Indicators (2 or more required)
HYDROLOGY  Wetland Hydrology Indicators:	V	Water Marks (B1) (Riverine)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required):	check all that apply)	
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required:  Surface Water (A1)	check all that apply) Salt Crust (B11)	Water Marks (B1) (Riverine)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)	check all that apply)  Salt Crust (B11)  Biotic Crust (B12)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)	check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)	<ul><li>Water Marks (B1) (Riverine)</li><li>Sediment Deposits (B2) (Riverine)</li><li>Drift Deposits (B3) (Riverine)</li></ul>
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required:  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)	check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livir	<ul> <li>Water Marks (B1) (Riverine)</li> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> </ul>
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)	check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livir  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Sc	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)	check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livir  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Sc	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations:	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required:  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes No	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required:  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes No	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes No Saturation Present? Yes No Saturat	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required:  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes Notes Notes (B4) Saturation Present? Yes Notes (B4) Saturation Present? Yes Notes (B4)	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required;  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present? Yes No year of the present?	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required:  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes Notes No	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required:  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes Notes No	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required:  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes Notes No	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required:  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes Notes No	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required:  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)  Field Observations: Surface Water Present? Yes Notes No	check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No

Project/Site: Climby Kith Extens	on	Citv/Cour	itv: Mileri	iela RIVERSISE Sampling Date: 15/14
Applicant/Owner:			,	State: Sampling Point: SP - 4 (
Investigator(s): 17 THE Z. WEST		Section.	Township, Ra	ange:
	deoressi	⊉ocal reli	ef (concave.	convex, none): CONCAIL Slope (%):
Subregion (LRR):				Long: Datum:
Soil Map Unit Name:				NWI classification:
Are climatic / hydrologic conditions on the site typical for t	his time of ve	ar? Yes		
Are Vegetation N, Soil N, or Hydrology N				"Normal Circumstances" present? Yes No
Are Vegetation N, Soil N, or Hydrology				eeded, explain any answers in Remarks.)
				ocations, transects, important features, etc.
	No			
	No	0.000	the Sampled thin a Wetlar	~
	No	WI	umi a vvetiai	res No
Remarks:				
VEGETATION – Use scientific names of pla	nts.			
Tree Stratum (Plot size: 30')	Absolute % Cover		nt Indicator ? Status	Dominance Test worksheet:
1. Ignarix ramosissima	70 COVE	Species	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:(A)
2.	The second secon			
3				Total Number of Dominant Species Across All Strata:  (B)
4				
Sapling/Shrub Stratum (Plot size: 10 )	_5_	= Total C	over	Percent of Dominant Species That Are OBL, FACW, or FAC:  (A/B)
1. Heliannus annus	40	4	FACU	Prevalence Index worksheet:
2. Urtica dioica	20	4	FAC	Total % Cover of: Multiply by:
3				OBL species x 1 =
4				FACW species x 2 =
5				FAC species x 3 =
Herb Stratum (Plot size: 5/	_60	= Total C	over	FACU species x 4 =
1. Poly pogron monspellensis	(J)	4	FACW	UPL species x 5 =
2. ARUM	20	7		Column Totals: (A) (B)
3. Maluella leprosa	20	4	FAC	Prevalence Index = B/A =
4.				Hydrophytic Vegetation Indicators:
5				∑ Dominance Test is >50%
6				Prevalence Index is ≤3.0¹
7		_		Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8	100			Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size:)	100	= Total C	over	
1.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2				be present, unless disturbed or problematic.
/	_	= Total C	over	Hydrophytic
% Bare Ground in Herb Stratum % Cove	er of Biotic Cr	ust		Vegetation Present? Yes No
Remarks:				,
5000 - 001 to 0 2 00 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				

	116
Sampling Point:	Sp10

Profile Description: (Describe to the dept	th needed to document the ind	icator or confirm	n the absence	of indicators.)
Depth <u>Matrix</u>	Redox Features		_	
(inches) Color (moist) %	Color (moist) %	Type <sup>1</sup> Loc <sup>2</sup>	Texture	Remarks
0-25 104R 2/1 95			clay loam	<u> </u>
N8.5/N 5				salt concretion
	-			
			21	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, CS=Covered of	r Coated Sand G	Indicators	ation: PL=Pore Lining, M=Matrix.  for Problematic Hydric Soils <sup>3</sup> :
Hydric Soil Indicators: (Applicable to all		,		e de verse en recesso en 150
Histosol (A1)	Sandy Redox (S5)			luck (A9) (LRR C) luck (A10) (LRR B)
Histic Epipedon (A2)	Stripped Matrix (S6)	:4\		ed Vertic (F18)
Black Histic (A3)	Loamy Mucky Mineral (F Loamy Gleyed Matrix (F)			arent Material (TF2)
Hydrogen Sulfide (A4)     Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	2)		Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6	Y	<u></u> other (	Explain in Normano)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (	•		
Thick Dark Surface (A12)	Redox Depressions (F8)		3Indicators	of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)		wetland l	hydrology must be present,
Sandy Gleyed Matrix (S4)			unless di	sturbed or problematic.
Restrictive Layer (if present):				
Type:				20
Depth (inches):			Hydric Soil	Present? Yes 🔀 No
	ac action alle	eline (N	hinn e	It loam). Area
soil in area mapped	as salme-alke	1 + We	Haial	ndrology indicator
meets for hidroigh		n 5 0f.		
soils inferred as my	iric per usection	11 3 04	the Ar	id West Supplement
HYDROLOGY	0.10-10-			
Wetland Hydrology Indicators:				
Primary Indicators (minimum of one required	i; check all that apply)		<u>Secon</u>	dary Indicators (2 or more required)
Surface Water (A1)	Salt Crust (B11)		w	/ater Marks (B1) (Riverine)
High Water Table (A2)	Biotic Crust (B12)			ediment Deposits (B2) (Riverine)
Saturation (A3)	Aquatic Invertebrates (	B13)	D	rift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor	(C1)	D	rainage Patterns (B10)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres	along Living Ro	ots (C3) D	ry-Season Water Table (C2)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced I	ron (C4)	c	rayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction	in Tilled Soils (C	6) S	aturation Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B7	7) Thin Muck Surface (C7	")	s	hallow Aquitard (D3)
Water-Stained Léaves (B9)	Other (Explain in Rema	arks)	F/	AC-Neutral Test (D5)
Field Observations:				
0.00 0.00	No Depth (inches):			
	No Depth (inches):	1		
Saturation Present? Yes X	10 Topin (memor).		land Hydrology	Present? Yes X_ No
(includes capillary fringe)	Deput (mones):	""	and riyarolog	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, previ	ous inspections),	if available:	
Remarks:			***	-
	2000 000 000			

Project/Site: Clinton Koth Extensi	On City/County	Murrieta Riversp	Sampling Date: VI5/14
Applicant/Owner: RCTD		State: CA	Sampling Point: SP - 47
Investigator(s): A-PARRA, Z.WEST		vnship, Range:	
Landform (hillslope, terrace, etc.):			
Subregion (LRR):C	- 1		
Soil Map Unit Name:		Long:NWI classifi	ication:
Are climatic / hydrologic conditions on the site typical for	this time of year? Yes X		
Are Vegetation N, Soil N, or Hydrology N	significantly disturbed?		present? Yes No
Are Vegetation N, Soil N, or Hydrology N		(If needed, explain any answ	AN SCHEDUCKS FORMAN COMMING
SUMMARY OF FINDINGS – Attach site ma			to the Conference of the State
	1/		
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes	No 🗡	Sampled Area	<b>~</b>
	No withi	n a Wetland? Yes	No
Remarks:			
VEGETATION – Use scientific names of pla	ante		
VEGETATION - Ose scientific fiames of pla	Absolute Dominant	Indicator Deminance Test week	
Tree Stratum (Plot size: 30 )	% Cover Species?		
1. Tamarix ramosissima	50 1	That Are OBL, FACW,	or FAC: (A)
2		I Total Number of Domi	nant 1
3		Species Across All Stra	
4	- <u>C D</u> <u>- </u>	Percent of Dominant S	species 400/
Sapling/Shrub Stratum (Plot size:	<u>50</u> = Total Cov	That Are OBL, FACW,	or FAC: 50% (A/B)
1. Helianthus annus	10 Y :	ACU Prevalence Index wo	rksheet:
2. NYTICA dioica	<del></del>	FAC Total % Cover of:	Multiply by:
3. Melilotus sp.	157	FACU OBL species	x1=
4		FACW species	$x^2 = \frac{x^2}{5}$
5.	= Total Cov		
Herb Stratum (Plot size: 5		UPL species	
1		Column Totals:	×5 =
2			1951
3.		Prevalence Index	( = B/A =
4		Hydrophytic Vegetati Dominance Test is	In the Indian realized and the Control of the Contr
5. 6.		Prevalence Index i	
7		Morphological Ada	aptations <sup>1</sup> (Provide supporting
8.		data in Remark	s or on a separate sheet)
	= Total Cov	er Problematic Hydro	phytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)		1	
1.		be present, unless distr	il and wetland hydrology must urbed or problematic.
2			
	= Total Cov	Vegetation	
	ver of Biotic Crust	Present? Ye	es No <u>X</u>
Remarks:			

Sampling Point	SP-47

Profile Description: (Describe to the de	pth needed to document the indicator or confir	m the absence of indicators.)
Depth Matrix	Redox Features Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	- Toytura Demorts
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks SUNCY Clay
0-32 10 yR 2/1 100		lian
	·	
	·	
		2
'Type: C=Concentration, D=Depletion, RM	M=Reduced Matrix, CS=Covered or Coated Sand C	Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :
Hydric Soil Indicators: (Applicable to a		
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) Loamy Gleyed Matrix (F2)	Reduced Vertic (F18)  Red Parent Material (TF2)
Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
Restrictive Layer (if present):		
Type:		
Depth (inches):		Hydric Soil Present? Yes No X
Demorka		
lice and de	Lucian Distance	
140 NAGRIG 2011	indicators present.	
21 2	1	
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one requir	ed; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Salt Crust (B11)	Water Marks (B1) (Riverine)
High Water Table (A2)	Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
X Saturation (A3)	Aguatic Invertebrates (B13)	Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Sediment Deposits (B2) (Nonriverine		and properties the second seco
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled Soils (0	
Inundation Visible on Aerial Imagery (	42 3 A 25 C C C C C C C C C C C C C C C C C C	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	FAC-Neutral Test (D5)
Field Observations:	Other (Explain in Remarks)	
	No X Depth (inches):	
SACRETON CONTROL CONTROL CONTROL SECTION CONTROL CONTR		
Water Table Present? Yes	No Depth (inches):	X
Saturation Present? Yes X		tland Hydrology Present? Yes No
(includes capillary fringe)	No Depth (inches): \( \begin{array}{cccccccccccccccccccccccccccccccccccc	
(includes capillary fringe)		
(includes capillary fringe)  Describe Recorded Data (stream gauge, n	No Depth (inches): \( \begin{array}{cccccccccccccccccccccccccccccccccccc	
(includes capillary fringe)	No Depth (inches): \( \begin{array}{cccccccccccccccccccccccccccccccccccc	
(includes capillary fringe)  Describe Recorded Data (stream gauge, n	No Depth (inches): \( \begin{array}{cccccccccccccccccccccccccccccccccccc	
(includes capillary fringe)  Describe Recorded Data (stream gauge, n	No Depth (inches): \( \begin{array}{cccccccccccccccccccccccccccccccccccc	
(includes capillary fringe)  Describe Recorded Data (stream gauge, n	No Depth (inches): \( \begin{array}{cccccccccccccccccccccccccccccccccccc	

Project/Site: C1. no Kzith Romi	) E L Cinuc	Sounds Murris	eta kubrcide	Samuellan Date: 1/15/10
Applicant/Owner: RCTD			41	Sampling Date: 1713/11
Investigator(s): A-Parra Z West			nge:	_ Sampling Point: St = F 6
Landform (hillslope, terrace, etc.): Howhard C		l relief (concers	approx pana): Ost Co	3110
Subregion (LRR):	1			
	Lat:		-0.0 1000 MV	Datum:
Soil Map Unit Name:		/	NWI classifi	
Are climatic / hydrologic conditions on the site typical for Are VegetationN_, SoilN_, or HydrologyN_				. /
				present? Yes No
Are Vegetation N, Soil N, or Hydrology N			eded, explain any answe	
SUMMARY OF FINDINGS – Attach site ma	p showing san	npling point le	ocations, transects	s, important features, etc.
Hydrophytic Vegetation Present? Yes	No ×			
Hydric Soil Present? Yes	The state of the s	Is the Sampled		No ×
Wetland Hydrology Present? Yes	No	within a Wetlar	10 ? Yes	No
Remarks:				
VEGETATION – Use scientific names of pla	ante			
		ninant Indicator	Dominance Test work	kshoot.
Tree Stratum (Plot size: 39)	% Cover Spe		Number of Dominant S	
1			That Are OBL, FACW,	or FAC: (A)
2			Total Number of Domir	nant
3			Species Across All Stra	
4			Percent of Dominant S	pecies
Sapling/Shrub Stratum (Plot size: 10 )	=10	tal Cover	That Are OBL, FACW,	or FAC: 50 (A/B)
1. Ustica d'oica	<u> </u>	Y FAL	Prevalence Index wor	rksheet:
2. Mrlilot. 5	N	V FALU	Total % Cover of:	Multiply by:
3. Cirsium vulbare	20`	Y FAW	OBL species	x1=
4. Hirochteldin incun		) UPL		x2=
5		to conten	To accomplish Control (Control Control	00 x3= 140
Herb Stratum (Plot size:	<u>95</u> = To	tal Cover		x4 = 10%
1.			UPL species	x5= 40
2.			Column Totals:	,,
3.			Prevalence Index	c = B/A = 3.65
4			Hydrophytic Vegetation	
5			Dominance Test is	
6		· · · · · · · · · · · · · · · · · · ·	Prevalence Index i	
7			Morphological Ada	ptations <sup>1</sup> (Provide supporting s or on a separate sheet)
8		Control of the Contro	The second secon	phytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size: 30 )	= Tot	al Cover		prijate regetation (Explain)
1			<sup>1</sup> Indicators of hydric soi	il and wetland hydrology must
2.			be present, unless distr	
/	= Tot	al Cover	Hydrophytic	
% Bare Ground in Herb Stratum \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	er of Biotic Crust _	0	Vegetation Present? Ye	s No
Remarks:		/ / / / / / / / / / / / / / / / / / /	10	

Profile Description: (Describe to the de  Depth Matrix	pth needed to document the indicator or concepts Redox Features		•
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup> Le	oc <sup>2</sup> Texture	Remarks
N-12 10 3/3 100		Loanel	
6-34 10 YR 2/2 100			
6-34 10 1K-12 100		Clay Isan	K
		*	
			· · · · · · · · · · · · · · · · · · ·
			9
17 O Commenter D. Doubling D.	A-D-dured Matrix CC-Covered or Costed Sc	and Crains 21	postion: DI =Doro Lining M=Metrix
Hydric Soil Indicators: (Applicable to all	M=Reduced Matrix, CS=Covered or Coated Sa		s for Problematic Hydric Soils <sup>3</sup> :
			354
Histosol (A1)	Sandy Redox (S5)		Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)		Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)		Iced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)		Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other	r (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)		
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	3Indiant	s of hydrophytic vegetation and
Thick Dark Surface (A12)	Redox Depressions (F8) Vernal Pools (F9)		s of nydrophytic vegetation and dhydrology must be present,
Sandy Mucky Mineral (S1)	Vernal Pools (F9)		disturbed or problematic.
Sandy Gleyed Matrix (S4)		uniess	disturbed of problematic.
Restrictive Layer (if present):		1	· ·
<del></del>			
Type:		U. dela Ca	11 B 11. X
Depth (inches):		Hydric So	il Present? Yes No
Depth (inches):	indicators present		il Present? Yes No _
Depth (inches):	indicators present		il Present? Yes No <u>×</u>
Depth (inches):  Remarks:  No hydric Soil  HYDROLOGY	indicators present		il Present? Yes No <u>X</u>
Depth (inches):  Remarks:  No hydric Soil  HYDROLOGY  Wetland Hydrology Indicators:	1		
Depth (inches):  Remarks:  No hydric Soil  HYDROLOGY	1		ondary Indicators (2 or more required)
Depth (inches):  Remarks:  No hydric Soil  HYDROLOGY  Wetland Hydrology Indicators:	1	Seco	
Primary Indicators (Minimum of one require  Surface Water (A1)  High Water Table (A2)	ed; check all that apply)	Seco	ondary Indicators (2 or more required)
Depth (inches):  Remarks:  No hydric Soil  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one require  Surface Water (A1)  High Water Table (A2)	ed; check all that apply) Salt Crust (B11)	Seco	ondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Depth (inches):  Remarks:  NO NYOTIC SOIL  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one require  Surface Water (A1)  High Water Table (A2)  Saturation (A3)	ed; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)	Second —	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (inches):  Remarks:  NO NYOTIC SOIL  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one require  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)	ed; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)	Second —	ondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Pepth (inches):  Remarks:  No Nydric Soil  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one require  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir	Secondary 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)
Pepth (inches):  Remarks:  NO MYOTIC SOIL  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required and source (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4)	Secondary 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) Crayfish Burrows (C8)
Pepth (inches):  Remarks:  No Nyoric Soil  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one require  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)	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc	Secondary 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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Pepth (inches):  Remarks:  No Nydric Soil  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one require)  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 (Inches 1)	ed; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  ) Oxidized Rhizospheres along Livir  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Sc  B7) Thin Muck Surface (C7)	Secondary 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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches):  Remarks:  NO NYOTE SOIL  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one require)  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 (Inches)  Water-Stained Leaves (B9)	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc	Secondary 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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Depth (inches):  Remarks:  NO NYOTIC SOIL  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required and source 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 (Inches water water (B9))  Field Observations:	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc B7) Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary 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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inches):  Remarks:  NO NYOTIC SOIL  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required and second and	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc B7) Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches):	Secondary 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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Pepth (inches):  Remarks:  NO NYOTIC SOIL  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one require)  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 (Inches Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  Water Table Present?	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc B7) Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): Depth (inches):	ng Roots (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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Pepth (inches):  Remarks:  No Nyoric Soil  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one require)  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 (Inches)  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes  Water Table Present?  Yes  Saturation Present?	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc B7) Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches):	ng Roots (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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Pepth (inches):  Remarks:  NO NYOTIC SOIL  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required and second and	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc B7) Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): No Depth (inches):	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches):  Remarks:  NO NYOTIC SOIL  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required and second and	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc B7) Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): Depth (inches):	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Primary Indicators (minimum of one require 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 (Indicator Visible on Aerial Imagery (Indicator Visible Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, Indicators)	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc B7) Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): No Depth (inches):	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Pepth (inches):  Remarks:  NO NYOTIC SOIL  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required and second and	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc B7) Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): No Depth (inches):	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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Per location (Inches):  Remarks:  NO NACC SOLL  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one required of the second of the s	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc B7) Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): No Depth (inches):	Secondary 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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Per location (Inches):  Remarks:  No Mydric Soil  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one require)  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 (Inches Water Present?  Water Table Present?  Water Table Present?  Yes  Saturation Present?  Yes  Yes  Saturation Present?  Yes  (includes capillary fringe)  Describe Recorded Data (stream gauge, note)	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc B7) Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): No Depth (inches):	Secondary 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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Per location (Inches):  Remarks:  No Mydric Soil  HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one require)  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 (Inches Water Present?  Water Table Present?  Water Table Present?  Yes  Saturation Present?  Yes  Yes  Saturation Present?  Yes  (includes capillary fringe)  Describe Recorded Data (stream gauge, note)	ed; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc B7) Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): No Depth (inches):	Secondary 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) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site: Minton Leith Extencion	City/Cour	ntv: Mill	18ta, PNPSIDE Sampling Date: 1/15/14
Applicant/Owner: PMD			State: CA Sampling Point: 5 P 4 9
Investigator(s): A. MARA Z WEST	Section,	Township, Ra	inge:
Landform (hillslope, terrace, etc.): Ploaplain denes			
Subregion (LRR):	Lat:		Long: Datum:
Soil Map Unit Name:			NWI classification:
Are climatic / hydrologic conditions on the site typical for this ti			
Are Vegetation N, Soil N, or Hydrology N sign		•	"Normal Circumstances" present? Yes No
Are Vegetation W, Soil W, or Hydrology N nati			eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map sh			
Hydrophytic Vegetation Present? Yes No _	Is		,
The second contract of	1.5	the Sampled	
Wetland Hydrology Present? Yes No _	wi	thin a Wetlar	nd? Yes No
Remarks:	-		
VEGETATION – Use scientific names of plants			
	Absolute Domina	nt Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	6 Cover Species		Number of Dominant Species
1			That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
3.			Species Across All Strata: (B)
16.1	= Total C	Cover	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: 10 -			That Are OBL, FACW, or FAC: (A/B)
1. Ideligathics was -	60 7	FALU	Prevalence Index worksheet:
2. Molilation		FACO	Total % Cover of: Multiply by:
3			OBL species x 1 = FACW species \( \frac{1}{0} \) \( \text{x} \) 2 = \( \frac{1}{0} \) \( \text{0} \)
4			FAC species x3 =
	75 = Total C	Cover	FACU species
Herb Stratum (Plot size: 5 )			UPL species x 5 =
1. +01. 000 00 500 00 500 CHING		FACU	Column Totals: 175 (A) 500 (B)
2. Frankinin salina		FALL	Prevalence Index = B/A = 2.85
3			Hydrophytic Vegetation Indicators:
5			Dominance Test is >50%
6		2400 101 23 340 0300	✓ Prevalence Index is ≤3.0¹
7			Morphological Adaptations <sup>1</sup> (Provide supporting
8			data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size:)	100 = Total C	over	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2.		_	be present, unless disturbed or problematic.
	= Total C	over	Hydrophytic
% Bare Ground in Herb Stratum % Cover of	Biotic Crust	2	Vegetation Present? Yes No
Remarks:			NO
and the second s			

SOIL			ď.						Camping rount.	// \
Profile Desc	ription: (Describe	to the depth	needed to docur	nent the i	ndicator o	or confir	m the abse	ence of indica	itors.)	
Depth	Matrix			x Feature	S1	. 2				
(inches)	Color (moist)	· <u> </u>	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>			Remarks	
0-25	10 YR 2/2	100					cay la	am_		
							34.5			
	<u> </u>									
31										
				-			-			
	-						-			
						·	_			
¹Type: C=Co	oncentration, D=Dep	letion, RM=R	educed Matrix, CS	S=Covered	or Coate	d Sand G	Grains.	<sup>2</sup> Location: Pl	_=Pore Lining, M=	Matrix.
	Indicators: (Applic								lematic Hydric S	
Histosol			Sandy Red		35W		1	cm Muck (A9)	(LRR C)	
	oipedon (A2)		Stripped Ma				-	cm Muck (A10		
	stic (A3)		Loamy Muc		I (F1)			educed Vertic		
	n Sulfide (A4)		Loamy Gley					ed Parent Mat		
	Layers (A5) (LRR	C)	Depleted M					ther (Explain i		
	ick (A9) (LRR D)	- /	Redox Dark		(F6)			2 01 E	. e g . 95 <b>.6</b>	
	d Below Dark Surfac	e (A11)	Depleted Da							
	ark Surface (A12)	, ,	Redox Dep				3Indica	ators of hydrop	hytic vegetation a	nd
	lucky Mineral (S1)		Vernal Pool						must be present,	
	Gleyed Matrix (S4)						unle	ess disturbed o	or problematic.	
	Layer (if present):									100
Type:									\	
Depth (inc	ches):		<del></del>				Hydric	Soil Present	? Yes	No
Remarks:			-		1. 1.1					Λ 🐠
The State of the S	0/00 1	1-1-01	IN2 20	100-0	ilkali	ne 1	(Chill	OSIH	LOCKYI),	Arter
Soils	in area w	NAFRO	La Mode	Antin	in al	N	MATIA	und hill	- Minim	indian
Meets	Los WK	MOLLAND	ALC ACOL	CONT	AL CA	-0-6	The	Arid	INFOCTU &	11000
Soils	INTERAGG C	(2 MAG	as Sal	Sec. 11	011	20,	. ,	A 1 6 6 000	44001	oppui
LIVEROLO	OV.									
HYDROLO										
	drology Indicators:						12			
Primary India	cators (minimum of c	ne required;						•	cators (2 or more	
Surface	Water (A1)		✓ Salt Crust	(B11)			_	Water Mar	ks (B1) (Riverine)	
High Wa	iter Table (A2)		Biotic Crus	st (B12)			<u></u>	Sediment [	Deposits (B2) (Riv	erine)
Saturation	on (A3)		Aquatic In	vertebrate	s (B13)		_	Drift Depos	sits (B3) (Riverine	)
	larks (B1) (Nonriver	ine)	Hydrogen	Sulfide O	dor (C1)		_	Drainage F	Patterns (B10)	
	nt Deposits (B2) (No		Oxidized F			Living Ro	oots (C3)	Dry-Seaso	n Water Table (C2	2)
	oosits (B3) (Nonrive		Presence				• • •	Crayfish B		ś.
	Soil Cracks (B6)		Recent Iro			B rest mest asses	26)		Visible on Aerial I	magery (C9)
	on Visible on Aerial	Imagen/ (R7)	Thin Muck				/		uitard (D3)	
		imagery (D7)	Other (Ex	and the second of the second	W-1000 - 1		-	- W 255 A 195	al Test (D5)	
	tained Leaves (B9)		Other (EX	Jiaiii iii Ke	illains)			_ 1 AO-Neuti	ai rest (D5)	
Field Obser			×							
Surface Water		'es No	<del></del>			-				
Water Table			Depth (in			<del></del> -			✓	
Saturation Pr		es 💢 No	Depth (in	ches):′	25	We	tland Hydr	ology Presen	t? Yes X	No
(includes car	oillary fringe) corded Data (stream	aguag moni	toring well serial	nhotos nr	avious ins	nections)	) if availabl	Θ.		
Describe Rei	corded Data (Stream	i gauge, mon	toring wen, aenar	priotos, pr	evious iris	pedions	), ii avallabi	<b>.</b>		
Remarks:										

Project/Site: Clinton Keith Fith	MOON city/cr	ounty: MW (	reta RNOISIde Sampling Date	: V15/1
Applicant/Owner: RCTD			State: A Sampling Point	
Investigator(s): A.PARPA, 2.WEST	Section	n, Township, Ra	inge:	
Landform (hillslope, terrace, etc.): flood plain de	pressionocal	relief (concave,	convex, none): _Concave s	Slope (%): 4
Subregion (LRR):				
			NWI classification:	ater is consultation and a second
Are climatic / hydrologic conditions on the site typical for the				
Are Vegetation N, Soil N, or Hydrology			"Normal Circumstances" present? Yes	/ No
Are Vegetation , Soil , or Hydrology ,			eeded, explain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map				features, etc.
Hydrophytic Vegetation Present? Yes	No X			
Hydric Soil Present? Yes Yes	No X	Is the Sampled	. /	
Wetland Hydrology Present?		within a Wetla	nd? Yes No	
Remarks:				
VECETATION Lies ecientific names of plan				
VEGETATION – Use scientific names of plan				
Tree Stratum (Plot size: 30)	Absolute Doming Speci		Dominance Test worksheet:  Number of Dominant Species	
1			That Are OBL, FACW, or FAC:	(A)
2			Total Number of Dominant	
3.			Species Across All Strata:	(B)
4			Percent of Dominant Species	
Sapling/Shrub Stratum (Plot size:	= Tota	al Cover	That Are OBL, FACW, or FAC: 50	O (A/B)
1. Sigeron canadensis	<u> 75 Y</u>	FACU	Prevalence Index worksheet:	
2. Heriannus annus	20 Y	[ FACE)	Total % Cover of: Multip	ply by:
3. Urrica Moica	<u> </u>	FR	OBL species x 1 =	
4			FACW species x 2 =	
5	- 100		FAC species x 3 =	15
Herb Stratum (Plot size:)	<u>\ \ 0 \                              </u>	l Cover	FACU species95 x4 =	
1.			UPL species x 5 = Column Totals: OO (A)	
2				395 (B)
3			Prevalence Index = B/A = 395	160 = 3.95
4			Hydrophytic Vegetation Indicators:	
5			Dominance Test is >50%	
6			Prevalence Index is ≤3.0¹	TO NAMES
7			Morphological Adaptations¹ (Providence data in Remarks or on a separat	e supporting
8		10	Problematic Hydrophytic Vegetation	98
Woody Vine Stratum (Plot size: 30 /)	= lota	l Cover	_ , , , , , , , , , , , , , , , , , , ,	( P )
1			<sup>1</sup> Indicators of hydric soil and wetland hyd	drology must
2.			be present, unless disturbed or problem	atic.
	= Tota	l Cover	Hydrophytic	. ,
% Bare Ground in Herb Stratum % Cove	er of Biotic Crust	0	Vegetation Present? Yes No	Χ
Remarks:			110	
8				

Sampling Point: SP-50

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.	Remarks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.    Payoric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)   Indicators	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.    Sandy Redox (S5)	va
Histosol (A1) Sandy Redox (S5) 1 1 on Histic Epipedon (A2) Stripped Matrix (S6) 2 c on Black Histic (A3) Loamy Mucky Mineral (F1) Red Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Red Stratified Layers (A5) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Redox Derk Surface (A12) Redox Derpessions (F8) Indicator wettan sandy Gleyed Matrix (S4) (LRR D) Redox Derpessions (F8) Indicator Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland Hydric Sestrictive Layer (if present):  Type: Depth (inches): Hydric Solid Indicators (minimum of one required; check all that apply) Security (Indicators (minimum of one required; check all that apply) Security (Indicators (Minimum of One Indicators (Min	N
Histosol (A1) Sandy Redox (S5) 1 1 on Histic Epipedon (A2) Stripped Matrix (S6) 2 c on Histic Epipedon (A2) Stripped Matrix (S6) 2 c on Histic Epipedon (A2) Stripped Matrix (S6) 2 c on Histic Epipedon (A2) Stripped Matrix (S6) 2 c on Histic (A3) Loamy Mucky Mineral (F1) Red (A4) Redox Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Redox Stratified Layers (A5) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Redox Dark Surface (A12) Redox Depressions (F8) Indicator Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland Hydric Setrictive Layer (if present):  Type: Depth (inches): Hydric Setrictive Layer (if present): Type: Between the pools (F9) Redox Depth (Inches): Redox D	-
Histosol (A1) Sandy Redox (S5) 1 1 on Histic Epipedon (A2) Stripped Matrix (S6) 2 c on Histic Epipedon (A2) Stripped Matrix (S6) 2 c on Histic Epipedon (A2) Stripped Matrix (S6) 2 c on Histic (A3) Loamy Mucky Mineral (F1) Red (A4) Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Red (A2) Stratified Layers (A5) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Redox Dark Surface (A12) Redox Depressions (F8) Indicator (A11) Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland Hydric Septrative Layer (if present):  Type:	-
Histosol (A1) Sandy Redox (S5) 1 1 on Histic Epipedon (A2) Stripped Matrix (S6) 2 c on Histic Epipedon (A2) Stripped Matrix (S6) 2 c on Histic Epipedon (A2) Stripped Matrix (S6) 2 c on Histic Epipedon (A2) Stripped Matrix (S6) 2 c on Histic (A3) Loamy Mucky Mineral (F1) Red (A4) Redox Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Redox Stratified Layers (A5) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Redox Dark Surface (A12) Redox Depressions (F8) Indicator Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland Hydric Setrictive Layer (if present):  Type: Depth (inches): Hydric Setrictive Layer (if present): Type: Between the pools (F9) Redox Depth (Inches): Redox D	
Histosol (A1) Sandy Redox (S5) 1 1 on Histic Epipedon (A2) Stripped Matrix (S6) 2 c on Black Histic (A3) Loamy Mucky Mineral (F1) Red Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Red Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other 1 or months (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Redox Derk Surface (A12) Redox Derk Surface (F9) Depleted Below Dark Surface (A13) Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland Hydric Sestrictive Layer (if present):  Type: Depth (inches): Hydric Solit India Cott Of Solit Cotts (B13) Aquatic Invertebrates (B13) Aquatic Invertebrat	ocation: PL=Pore Lining, M=Matrix.
Histosol (A1) Sandy Redox (S5) 1 cm Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Black Histic (A3) Loamy Mucky Mineral (F1) Red Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Red Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Othe 1 cm Muck (A9) (LRR D) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Depleted Dark Surface (F6) Depleted Below Dark Surface (A12) Redox Depressions (F8) Vernal Pools (F9) Wetland Hydrold (S1) Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland Hydrold (S2) Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland Hydrold (S2) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sestrictive Layer (if present):  Type: Depth (inches): Depth (inches): Depth (inches): Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Dirit Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Depth (inches): Urface Water Present? Yes No Depth (inches): Urface Water Present? Yes No Depth (inches): Wetland Hydrold Stream gauge, monitoring well, aerial photos, previous inspections), if available: Secribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	s for Problematic Hydric Soils <sup>3</sup> :
Histic Epipedon (A2)  Black Histic (A3)  Loamy Mucky Mineral (F1)  Red Hydrogen Sulfide (A4)  Stratified Layers (A5) (LRR C)  Depleted Matrix (F2)  Thick Dark Surface (A11)  Depleted Dark Surface (F6)  Depleted Below Dark Surface (A11)  Depleted Dark Surface (F7)  Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Sandy Mucky Mineral (S1)  Sandy Gleyed Matrix (S4)  Sestrictive Layer (if present):  Type:  Depth (inches):  Hydric Si  Frimary Indicators (minimum of one required; check all that apply)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Drift Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Drift Deposits (B4) (Nonriverine)  Drift Deposits (B4) (Nonriverine)	Muck (A9) (LRR C)
Black Histic (A3)	Muck (A10) (LRR B)
Stratified Layers (A5) (LRR C)	uced Vertic (F18)
Stratified Layers (A5) (LRR C)	Parent Material (TF2)
1 cm Muck (A9) (LRR D)	r (Explain in Remarks)
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) 3Indicator Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland Sandy Gleyed Matrix (S4) Unless (Bestrictive Layer (if present):  Type: Depth (inches): Hydric Soll Molicators:  Permarks: Depth (inches): Surface Water (A1) Salt Crust (B11) Salt Crust (B11) Salt Crust (B12) Salt Crust (B12) Salturation (A3) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Aquatic Invertebrates (B13) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Crack (B6) Recent Iron Reduction in Tilled Soils (C6) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Depth (inches): Salturation Present? Yes No Depth (inches): Wetland Hydrole (Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available: Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available: Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Thick Dark Surface (A12)	
Sandy Mucky Mineral (S1)	s of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type:	d hydrology must be present,
Process   Proc	disturbed or problematic.
Type:	*
Depth (inches):	
VPROLOGY  Vetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Serimary Indicators (minimum of one required; check all that apply)  Serimary Indicators (minimum of one required; check all that apply)  Serimary Indicators (minimum of one required; check all that apply)  Serimary Indicators (minimum of one required; check all that apply)  Serimary Indicators (minimum of one required; check all that apply)  Serimary Indicators (minimum of one required; check all that apply)  Serimary Indicators (minimum of one required; check all that apply)  Serimary Indicators (B1)  Serimary Indicators (B12)  Serimary Indicators (B13)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Sediment Deposits (B2) (Nonriverine)  Oxidized Rhizospheres along Living Roots (C3)  Presence of Reduced Iron (C4)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Thin Muck Surface (C7)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  Field Observations:  Surface Water Present?  Yes No Depth (inches):  Serimary Indicators  Wetland Hydrological (Inches):  Serimary Indicators  Serimar	il Present? Yes No X
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required; check all that apply)  Secured Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water Stained Leaves (B9)  Water Present?  Yes  No  Depth (inches):  Saturation Present?  Yes  No  No  No  Depth (inches):  Saturation Present?  Yes  No  No  No  Depth (inches):  No  Wetland Hydrole  No  No  No  No  No  No  No  No  No  N	
Primary Indicators (minimum of one required; check all that apply)  Sec Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Drift Deposits (B2) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9)  Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Saturation (Passible All that apply) Sec Self Crust (B11) Aquatic Invertebrates (B13) Aquatic Invertebrates (B12) Aquatic Invertebr	
Surface Water (A1) Salt Crust (B11) Salt Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Sediment Deposits (B2) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)  Field Observations:  Field Observations:  Field Present? Yes No Depth (inches):  Field Observations Present? Yes No Popth (inches):  Field Observations Present? Yes Present Present Present Present Present Present Present Present Present	
Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks) Sield Observations:  Surface Water Present? Yes No Depth (inches): Bepth (inches): Bepth (inches): Depth (inches): Bepth (inches): Be	ondary Indicators (2 or more required)
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) Other (Explain in Remarks)  Ield Observations: Surface Water Present? Surface Water Present	
Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  Water Table Present?  Yes No Depth (inches):  Sediment Deposits (B2) (Nonriverine)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Soils (C6)  Thin Muck Surface (C7)  Other (Explain in Remarks)  Depth (inches):  Sediment Deposits (B2) (Nonriverine)  Wetland Hydrole (Inches):  Sediment Deposits (B2) (Nonriverine)  Depth (inches):  Wetland Hydrole (Inches):  Sediment Deposits (B2) (Nonriverine)  Depth (inches):  Sediment Deposits (B2) (Nonriverine)  Depth (inches):  Sediment Deposits (B3)  Sediment Deposits (B3)  Deposition Out (B4)  Sediment Deposits (B3)  Sediment Deposits (B4)  Sediment Deposits (	Water Marks (B1) (Riverine)
Water Marks (B1) (Nonriverine)	Sediment Deposits (B2) (Riverine)
Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Thin Muck Surface (C7)  Water Stained Leaves (B9)  Other (Explain in Remarks)  Water Table Present?  Ves No Depth (inches):  Surface Water Present?	
Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B7)  Water-Stained Leaves (B9)  Other (Explain in Remarks)  Field Observations:  Surface Water Present?  Ves No Depth (inches):  Saturation Present? Yes No Depth (inches):  Saturation Present?  Yes No Depth (inches):  Surface Water Present?  Yes No Depth (inches):  Wetland Hydrold (inches):  Surface Water Present?  Yes No Depth (inches):  Surface Water Present Present?  Yes No Depth (inches):  Surface Water Present Present?  Yes No Depth (inches):  Surfac	Drift Deposits (B3) (Riverine)
Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Thin Muck Surface (C7) Other (Explain in Remarks)  Field Observations: Surface Water Present? Ves No Depth (inches): Surface (C7)  Wetland Hydrology Ves No Depth (inches): Surface (C7)  Water Table Present? Ves No Depth (inches): Surface Water Present	
Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks) Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Baturation Present? Yes No Depth (inches): Wetland Hydrold includes capillary fringe) Wetland Surface Water Table Present? Yes No Depth (inches): Wetland Hydrold includes Capillary fringe)	Drift Deposits (B3) (Riverine)
Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks) Similar (Explain in Remarks)	Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2)
Water-Stained Leaves (B9)  Other (Explain in Remarks)  Field Observations:  Surface Water Present? Yes No Depth (inches):  Water Table Present? Yes No Depth (inches):  Saturation Present? Yes No Depth (inches):  Seturation Present? Yes No Dep	Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Field Observations:  Surface Water Present? Yes NoX Depth (inches):  Water Table Present? Yes NoX Depth (inches):  Saturation Present? Yes NoX Depth (inches):  Seturation Present? Yes NoX Depth (inches):  Wetland Hydrological Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Surface Water Present? Yes NoX Depth (inches):  Water Table Present? Yes NoX_ Depth (inches):  Saturation Present? Yes NoX_ Depth (inches): Wetland Hydrological includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Vater Table Present?  Yes No Depth (inches): Baturation Present?  Yes No Depth (inches): Wetland Hydrological Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Saturation Present? Yes No Depth (inches): Wetland Hydrological includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3)
includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
	Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Remarks:	Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Remarks:	Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
	Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
	Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
	Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
	Drift Deposits (B3) ( <b>Riverine</b> ) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site: Clinton KOHN EXTENSIO	)/\ City/	County: Marri	eta Riverside Sampling Date: 1/15/14
Applicant/Owner: KTD			State: CP Sampling Point: 5P-51
Investigator(s): A PARPA 7. WEST	Sect	ion. Township. Ra	ange:
Landform (hillslope, terrace, etc.): 2000plain de	pressial	al relief (concave,	convex, none): CONCAVE Slope (%): 41
Subregion (LRR):			Long: Datum:
Soil Map Unit Name:			NWI classification:
Are climatic / hydrologic conditions on the site typical for this	s time of year?		
Are Vegetation N, Soil N, or Hydrology N s			"Normal Circumstances" present? Yes No
Are Vegetation N, Soil N, or Hydrology N n			eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	650 W	30 200	The state of the s
Hydrophytic Vegetation Present? Yes X	0		
	0	Is the Sampled	
Wetland Hydrology Present? Yes X	o	within a Wetlar	nd? Yes No
Remarks:			
VEGETATION – Use scientific names of plant	ts.		
		minant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover Spe	ecies? Status	Number of Dominant Species
1	<del></del>		That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
4			Species Across All Strata: (B)
	= To	otal Cover	Percent of Dominant Species 2/5 = 40 % (A/B)
Sapling/Shrub Stratum (Plot size: \\ \)	10	\aa	,
1. Xanthum strumarium		) FAC	Prevalence Index worksheet:
2. <u>Helianthus annuals</u> 3. Meliatus ap	20	TARCO FACILI	Total % Cover of: Multiply by:
3. 100 100 05 CA	<u> </u>	1 THEO	OBL species x 1 = FACW species 2 x 2 = 120
5	· · · · · · · · · · · · · · · · · · ·		FAC species $\frac{3}{2}$ $\frac{12}{2}$ $\frac{12}{2}$
	95 = TO	otal Cover	FACU species 30 x4 = 120
Herb Stratum (Plot size:		I SACUL	UPL species\\\ \sqrt{5}
1. Frankenia salina	20	7 FALW	Column Totals: 170 (A) 510 (B)
2. Polypagan monspellensis	40	FACW	Prevalence Index = B/A = $\frac{500}{170}$ = 3
3. Schild mus barbatus	15	1 UPL	
4			Hydrophytic Vegetation Indicators:  Dominance Test is >50%
5 6			Prevalence Index is ≤3.0¹
7			Morphological Adaptations¹ (Provide supporting
8			data in Remarks or on a separate sheet)
	75 = To	tal Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size)			11. P. A. S.
1			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2		tol Course	Hydrophytic
W2 0 11 11 12 1		tal Cover	Vegetation
	of Biotic Crust _		Present? Yes No No
Remarks:			
			ø.

Sampling Point: 5P-51

Depth Matrix	ne depth needed to document the indicator or Redox Features	
(inches) Color (moist)	% Color (moist) % Type <sup>1</sup>	Loc <sup>2</sup> Texture Remarks
0-3 10 yr 7/2 16	oo	clay loam
3-8 10 YR 3/2 10	00	sand
		2 2
Type: C=Concentration, D=Depletion	n, RM=Reduced Matrix, CS=Covered or Coated	Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> :
	to all LRRs, unless otherwise noted.)	1-7
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B) Reduced Vertic (F18)
Black Histic (A3) Hydrogen Sulfide (A4)	<ul><li>Loamy Mucky Mineral (F1)</li><li>Loamy Gleyed Matrix (F2)</li></ul>	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	, , , , , , , , , , , , , , , , , , , ,
Depleted Below Dark Surface (A		
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
Restrictive Layer (if present):		
Type:		~
Depth (inches):		Hydric Soil Present? Yes No
For hydrophytic	reactation and wetlar	(Chino Sitt Loam) Area Meets and hydrology indicators soil Arid West Supplement
IYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one re	equired; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Salt Crust (B11)	Water Marks (B1) (Riverine)
High Water Table (A2)	∑ Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	
Sediment Deposits (B2) (Nonrive	erine) Oxidized Rhizospheres along Liv	ving Roots (C3) Dry-Season Water Table (C2)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled S	Soils (C6) Saturation Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imag	ery (B7) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	FAC-Neutral Test (D5)
Field Observations:	16	
Surface Water Present? Yes _	No Depth (inches):	
Water Table Present? Yes	No Depth (inches): 6	
Saturation Present? Yes _	No Depth (inches): Surface	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gau	ige, monitoring well, aerial photos, previous inspe	ections), if available:
Remarks:		
Kemana.		

Project/Site: Clinton Keith Extens	SON_ City/	County: Murri	eta, Riversile sampling Date: V15/14
Applicant/Owner: PCTD			State: <u>CA</u> Sampling Point: <u>SP-5-2</u>
Investigator(s): A. PARRA 2. VIEST			ange:
Landform (hillslope, terrace, etc.): foodplain depr	256100 Loc	al relief (concave,	convex, none): Concave Slope (%):
Subregion (LRR):			
			NWI classification:
Are climatic / hydrologic conditions on the site typical for thi	s time of year?	Yes No _	(If no, explain in Remarks.)
Are Vegetation N, Soil N, or Hydrology N,	significantly distu	irbed? Are	"Normal Circumstances" present? Yes No
Are Vegetation $N$ , Soil $N$ , or Hydrology $N$	naturally problem		eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing sai	mpling point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present?	lo		
	lo	Is the Sampled	
The state of the s	lo	within a Wetlan	nd? Yes <u> </u>
Remarks:			
VEGETATION III a salantifia nama a full-	4-		
VEGETATION – Use scientific names of plan			15
Tree Stratum (Plot size:)		minant Indicator ecies? Status	Dominance Test worksheet:
1			Number of Dominant Species That Are OBL, FACW, or FAC:  (A)
2			Total Number of Dominant
3			Species Across All Strata: (B)
4			Percent of Dominant Species of
Sapling/Shrub Stratum (Plot size:	= To	otal Cover	Percent of Dominant Species $3/5 = 60$ (A/B)
1. He harmas annivis	15	Y FACU	Prevalence Index worksheet:
2. VITICA Lipica	15	FAC	
3. Hirschfeldig incang	15	Y UPL	OBL species x 1 =
4. Circium IIVIGARE	5 1	J FACU	FACW species x 2 =
5			FAC species x 3 =
5	_50_ = To	otal Cover	FACU species x 4 =
Herb Stratum (Plot size:)	20	Y FROW	UPL species x 5 =
1. Frankena salina 2. Polypogon monspeliensis		T TROV	Column Totals: (A) (B)
,			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
8			data in Remarks or on a separate sheet)
	75 = To	otal Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
1			be present, unless disturbed or problematic.
	= Tc	otal Cover	Hydrophytic
% Bare Ground in Herb Stratum % Cover	- 10	C	Vegetation
% Bare Ground in Herb Stratum % Cover	of Biotic Crust _		Present? Yes No
Remarks: 25% DAYE GLOUNG COVEYER	1 los col	+ CHUST.	
7210 part 2000 10401d	2 1/1	27	

Profile Descr	ription: (Describe t	to the depth	needed to document the indicator or	confirm the absence of i	ndicators.)	
Depth	Matrix (maint)	<del>%</del>	Redox Features  Color (moist) % Type <sup>1</sup>	Loc <sup>2</sup> Texture	Remarks	
(inches)	Color (moist)		Color (moist) % Type¹ _		Remarks	
0-27	10 th 3/3	100		clay loarn		
		100 ATTE				
					-	
		· · · · · · · · · · · · · · · · · · ·				
Type: C=Co	oncentration, D=Depl	etion, RM=Re	educed Matrix, CS=Covered or Coated	Sand Grains. <sup>2</sup> Locatio	n: PL=Pore Lining, M=Matrix.	
			Rs, unless otherwise noted.)	Indicators for	Problematic Hydric Soils <sup>3</sup> :	
Histosol (	(A1)		Sandy Redox (S5)	1 cm Muck	(A9) (LRR C)	
Histic Ep	pipedon (A2)		Stripped Matrix (S6)	2 cm Muck	(A10) (LRR B)	
Black His			Loamy Mucky Mineral (F1)	Reduced \		
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)		t Material (TF2)	
	Layers (A5) (LRR C	<b>;</b> )	Depleted Matrix (F3)	Cther (Exp	lain in Remarks)	
311 70 - 310 70 - 310 70 70 70 70 70 70 70 70 70 70 70 70 70	ck (A9) (LRR D)	(444)	Redox Dark Surface (F6)			
	i Below Dark Surface ark Surface (A12)	(A11)	<ul><li>Depleted Dark Surface (F7)</li><li>Redox Depressions (F8)</li></ul>	3Indicators of h	ydrophytic vegetation and	
	lucky Mineral (S1)		Vernal Pools (F9)		wetland hydrology must be present,	
- 100 SEA	leyed Matrix (S4)				unless disturbed or problematic.	
The second contract of the second	ayer (if present):					
T						
Type:						
	ches):		_	Hydric Soil Pre	sent? Yes <u> </u>	
Depth (inc			_			
Depth (inc		rd as	Saline-alkaline (Ch			
Depth (inc		rd as	Saline-alkaline (Ch			
Depth (inc		red as	Saline-alkaline (Ch and wetland hydrol of the Avid We			
Depth (inc Remarks: Spils in Haroph 25 Mg	area mas 1410 Vegeta oric per	red as	Saline-alkaline (Charles wetland hydrol 5 of the Avid We			
Depth (inc Remarks: SPIS IN PAYOPN AS MAR	area mag 1410 vegeta 10tic per	red as Ition co section	Saline - alkaline (Ch and wetland hydrol s of the Avid We			
Depth (inc Remarks: SPIS IN HAYOPW AS WHAT YDROLOG Wetland Hyd	area mas whic vegeta aric per GY drology Indicators:			ino sitt loam loay indicate st suppleme	Area meets for ers. Soils inferra	
Depth (inc Remarks: Privary) YDROLOG Wetland Hyd	area mas Aric vegeta aric per drology Indicators: eators (minimum of or		heck all that apply)	ino sitt loam loay indicate st suppleme	Area meets for sys. Soils inferro	
Depth (inc Remarks: Payoph AS Mayoph YDROLOG Vetland Hyd Primary Indica Surface V	GY  dricy Indicators:  eators (minimum of or  Water (A1)		theck all that apply)  X Salt Crust (B11)	ino sitt loam loay indicate st suppleme Secondan	y Indicators (2 or more required)	
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Depth (inc Remarks: PLAYOPW AS WYDROLOG Wetland Hyd Primary Indica Surface W High Wat X Saturatio	GY  drology Indicators: eators (minimum of or Water (A1) ter Table (A2) on (A3)	ne required; o	heck all that apply)  X Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Secondar — Secondar — Water — Drift I	y Indicators (2 or more required) or Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine)	
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Depth (inc Remarks: Playoph YDROLOG Wetland Hyd Primary Indica Surface W High Wat Saturatio Water Ma Sediment	GY  drology Indicators: eators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveria to Deposits (B2) (Nonriveria	ne required; o ne) nriverine)	heck all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv	Secondar Secondar Water Sedin Drift I Drain Ving Roots (C3) Dry-S	y Indicators (2 or more required) marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2)	
Primary Indicates Saturation Water Marson Sediment Drift Deport	GY drology Indicators: eators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveria the Deposits (B2) (Nonriveria sosits (B3) (Nonriveria	ne required; o ne) nriverine)	Sheck all that apply)  X Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4)	Secondary  Secondary  Water  Sedin  Drift D  Aring Roots (C3)  Crayfi	y Indicators (2 or more required)  Marks (B1) (Riverine)  ment Deposits (B2) (Riverine)  Deposits (B3) (Riverine)  age Patterns (B10)  eason Water Table (C2)  sh Burrows (C8)	
Primary Indicated Water Mater	GY  drology Indicators: eators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveria th Deposits (B2) (Non cosits (B3) (Nonriveria Soil Cracks (B6)	ne required; o ne) nriverine) ine)	Sheck all that apply)  X Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	Secondary  Secondary  Secondary  Water  Sedin  Drift I  Drain  Ving Roots (C3)  Crayfi  Soils (C6)  Satura	y Indicators (2 or more required)  Marks (B1) (Riverine)  Ment Deposits (B2) (Riverine)  Ment Deposits (B3) (Riverine)  Meason Water Table (C2)  Mish Burrows (C8)  Mation Visible on Aerial Imagery (	
Primary Indicators  Saturation  Water Masses  Surface	GY  drology Indicators: eators (minimum of or Water (A1) ter Table (A2) on (A3) earks (B1) (Nonriverient to Deposits (B2) (Nonriverient posits (B3) (Nonriverient Soil Cracks (B6) on Visible on Aerial In	ne required; o ne) nriverine) ine)	Sheck all that apply)  X Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7)	Secondary  Secondary	y Indicators (2 or more required) or Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) attion Visible on Aerial Imagery ( ow Aquitard (D3)	
Primary Indicator  Sediment  Surface Water Ma  Sediment  Drift Depo	GY  drology Indicators: eators (minimum of or Water (A1) ter Table (A2) on (A3) earks (B1) (Nonriverient to Deposits (B2) (Nonriverient posits (B3) (Nonriverient Soil Cracks (B6) on Visible on Aerial In tained Leaves (B9)	ne required; o ne) nriverine) ine)	Sheck all that apply)  X Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	Secondary  Secondary	y Indicators (2 or more required)  Marks (B1) (Riverine)  Ment Deposits (B2) (Riverine)  Ment Deposits (B3) (Riverine)  Meason Water Table (C2)  Mish Burrows (C8)  Mation Visible on Aerial Imagery (Marks)	
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Primary Indication  Saturation  Water Mater Mate	GY  drology Indicators: eators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveria th Deposits (B2) (Non iosits (B3) (Nonriver Soil Cracks (B6) on Visible on Aerial In tained Leaves (B9) vations: er Present?	ne required; one) nriverine) ine) magery (B7)	Sheck all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary  Secondary  Secondary  Water  Sedin  Drift I  X Drain  Ving Roots (C3)  Crayfi  Soils (C6)  Shallo	y Indicators (2 or more required) or Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) attion Visible on Aerial Imagery (bow Aquitard (D3)	
Pepth (incomercial control con	GY  drology Indicators: eators (minimum of or Water (A1) ter Table (A2) on (A3) arks (B1) (Nonriveri at Deposits (B2) (Non cosits (B3) (Nonriveri Soil Cracks (B6) on Visible on Aerial In tained Leaves (B9) vations: er Present? Yes	ne required; one) nriverine) ine) magery (B7)	sheck all that apply)  X Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Secondary  Secondary  Secondary  Water  Sedin  Drift I  X Drain  Ving Roots (C3)  Crayfi  Soils (C6)  Shallo	y Indicators (2 or more required or Marks (B1) (Riverine) Deposits (B3) (Riverine) Deposits (B3) (Riverine) Deposits (B4) (Riverine) Deposits (B5) (Riverine) Deposits (B6) (Riverine) Deposits (B6) (Riverine) Deposits (B7) (Riverine) Deposits (B8) (Riverine) Deposits (B8) (Riverine) Deposits (B10) Deposits	

Remarks:

WETLAND DETERMINATION DATA FORM - Arid West Region MURICELA RIVERSIDE SAMPLING Date: 1/15 State: Sampling Point: Applicant/Owner: Investigator(s): \_ \_\_ Section, Township, Range: \_\_\_\_ Landform (hillslope, terrace, etc.): Podbalan Jenessian Local relief (concave, convex, none): Concave Slope (%): Long: Subregion (LRR): Datum: Soil Map Unit Name: \_ \_\_\_\_ NWI classification: \_\_\_ Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_\_ No \_\_\_\_\_ (If no, explain in Remarks.) Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation N, Soil N, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION - Use scientific names of plants. Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: 1. Hirschteldia icana. Prevalence Index worksheet: 2. Helianthus annus Multiply by: 3. Circium Vuladre OBL species \_ x1=\_ FACW species FAC species = Total Cover FACU species Herb Stratum (Plot size; 135 UPL species 1. Schismus Column Totals: Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** \_\_\_ Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 85\_ = Total Cover 30 Woody Vine Stratum (Plot size: <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. = Total Cover Hydrophytic Vegetation 15 % Bare Ground in Herb Stratum % Cover of Biotic Crust Present? Remarks:

Sampling Point: 59-53

F 22 23 224			confirm the absence of indicators.)
Depth Color	Matrix %	Redox Features  Color (moist) % Type <sup>1</sup> L	.oc <sup>2</sup> Texture Remarks
	12 S/2 100	Color (molety 70 1450	( ) (
0 11	100		sundy lonn
			3 9 VASSY
		Reduced Matrix, CS=Covered or Coated S	
Hydric Soil Indicator	s: (Applicable to all I	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)		Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A	<del>1</del> 2)	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) (I	LRR D)	Redox Dark Surface (F6)	
Depleted Below D	Park Surface (A11)	Depleted Dark Surface (F7)	•
Thick Dark Surfac	e (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Min		Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Ma			unless disturbed or problematic.
Restrictive Layer (if p	present):		
Туре:			
Depth (inches):	*		Hydric Soil Present? Yes No
Remarks:			
HYDROLOGY		ndicators present.	The second secon
Wetland Hydrology I	ndicators:		
	nimum of one required	t check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A		Salt Crust (B11)	
			Water Marks (B1) (Riverine)
High Water Table	(A2)	Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
High Water Table Saturation (A3)	(A2)	Biotic Crust (B12) Aquatic Invertebrates (B13)	Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
		Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Saturation (A3) Water Marks (B1)		Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Saturation (A3) Water Marks (B1)	(Nonriverine) ts (B2) (Nonriverine)	Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Saturation (A3) Water Marks (B1) Sediment Deposit	(Nonriverine) ts (B2) (Nonriverine) o) (Nonriverine)	Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi	Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  ng Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)
Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3) Surface Soil Crac	(Nonriverine) ts (B2) (Nonriverine) o) (Nonriverine)	Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc	Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  ng Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)
Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Surface Soil Crac	(Nonriverine) is (B2) (Nonriverine) i) (Nonriverine) iks (B6) on Aerial Imagery (B7	Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7)	Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  ng Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)
Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Surface Soil Crac Inundation Visible Water-Stained Le	(Nonriverine) is (B2) (Nonriverine) i) (Nonriverine) iks (B6) on Aerial Imagery (B7	Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc	Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3 Surface Soil Cract Inundation Visible Water-Stained Let Field Observations:	(Nonriverine) is (B2) (Nonriverine) i) (Nonriverine) iks (B6) is on Aerial Imagery (B7 aves (B9)	Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)	Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3) Surface Soil Crace Inundation Visible Water-Stained Le. Field Observations: Surface Water Presen	(Nonriverine) ts (B2) (Nonriverine) t) (Nonriverine) tks (B6) to on Aerial Imagery (B7 aves (B9)	Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)	Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Surface Soil Crac Inundation Visible Water-Stained Le. Field Observations: Surface Water Present Water Table Present?	(Nonriverine) is (B2) (Nonriverine) i) (Nonriverine) iks (B6) on Aerial Imagery (B7 aves (B9)  it? Yes N	Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Dils (C6)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3 Surface Soil Crace Inundation Visible Water-Stained Le. Field Observations: Surface Water Present Water Table Present? Saturation Present?	(Nonriverine) ts (B2) (Nonriverine) th (B2) (Nonriverine) th (Nonriverine) th (B6) to on Aerial Imagery (B7) taves (B9) tr? Yes N Yes N	Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)	Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Surface Soil Crace Inundation Visible Water-Stained Lee Field Observations: Surface Water Present Water Table Present? (includes capillary fring	(Nonriverine) Is (B2) (Nonriverine) Is (B2) (Nonriverine) Is (B6) Is on Aerial Imagery (B7 In aves (B9) In Yes No Yes	Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livi  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled So  Thin Muck Surface (C7)  Other (Explain in Remarks)  No  Depth (inches):  Depth (inches):	Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Surface Soil Crace Inundation Visible Water-Stained Lee Field Observations: Surface Water Present Water Table Present? (includes capillary fring	(Nonriverine) Is (B2) (Nonriverine) Is (B2) (Nonriverine) Is (B6) Is on Aerial Imagery (B7 In aves (B9) In Yes No Yes	Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)  Depth (inches): Depth (inches):	Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3) Surface Soil Crace Inundation Visible Water-Stained Lee Field Observations: Surface Water Present Water Table Present? Saturation Present? (includes capillary fring Describe Recorded Date	(Nonriverine) ts (B2) (Nonriverine) ts (B2) (Nonriverine) tks (B6) to on Aerial Imagery (B7 aves (B9) tt? Yes N Yes N ge) ata (stream gauge, mo	Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): Depth (inches): No Depth (inches): Initoring well, aerial photos, previous inspec	Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3) Surface Soil Crace Inundation Visible Water-Stained Lee Field Observations: Surface Water Present Water Table Present? Saturation Present? (includes capillary fring Describe Recorded Date	(Nonriverine) ts (B2) (Nonriverine) ts (B2) (Nonriverine) tks (B6) to on Aerial Imagery (B7 aves (B9)  tt? Yes N Yes N ge) ata (stream gauge, mo	Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): Depth (inches): No Depth (inches): Initoring well, aerial photos, previous inspec	Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3) Surface Soil Crace Inundation Visible Water-Stained Lee Field Observations: Surface Water Present Water Table Present? Saturation Present? (includes capillary fring Describe Recorded Date	(Nonriverine) ts (B2) (Nonriverine) ts (B2) (Nonriverine) tks (B6) to on Aerial Imagery (B7 aves (B9)  tt? Yes N Yes N ge) ata (stream gauge, mo	Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livi  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled So  Thin Muck Surface (C7)  Other (Explain in Remarks)  No  Depth (inches):  Depth (inches):	Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3) Surface Soil Crace Inundation Visible Water-Stained Lee Field Observations: Surface Water Present Water Table Present? Saturation Present? (includes capillary fring Describe Recorded Date	(Nonriverine) ts (B2) (Nonriverine) ts (B2) (Nonriverine) tks (B6) to on Aerial Imagery (B7 aves (B9)  tt? Yes N Yes N ge) ata (stream gauge, mo	Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): Depth (inches): No Depth (inches): Initoring well, aerial photos, previous inspec	Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3) Surface Soil Crace Inundation Visible Water-Stained Lee Field Observations: Surface Water Present Water Table Present? Saturation Present? (includes capillary fring Describe Recorded Date	(Nonriverine) ts (B2) (Nonriverine) ts (B2) (Nonriverine) tks (B6) to on Aerial Imagery (B7 aves (B9)  tt? Yes N Yes N ge) ata (stream gauge, mo	Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): Depth (inches): No Depth (inches): Initoring well, aerial photos, previous inspec	Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No

WETLAND DETERMINATION DATA FORM - Arid West Region MCS Sampling Date: 1/15/14 NSION\_ City/County: Mary 1 Pta Project/Site: \_ Sampling Point: SP-Applicant/Owner: A PARKA Investigator(s): \_ Section, Township, Range: Landform (hillslope, terrace, etc.): Floodplain depression Local relief (concave, convex, none): Con cave Subregion (LRR): \_\_\_\_\_ Long: \_\_ Datum: Soil Map Unit Name: \_\_\_ NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes V No \_\_\_\_\_ (If no, explain in Remarks.) Are Vegetation N, Soil N, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Yes -No Remarks: VEGETATION - Use scientific names of plants. Absolute Dominant Indicator **Dominance Test worksheet:** Tree Stratum (Plot size: % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: (B) Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: Prevalence Index worksheet: Total % Cover of: **OBL** species **FACW** species FAC species 45 = Total Cover FACU species Herb Stratum (Plot size: UPL species Column Totals: Prevalence Index = B/A = 3 **Hydrophytic Vegetation Indicators:** Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 30 = Total Cover <sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic = Total Cover Vegetation 60 % Bare Ground in Herb Stratum % Cover of Biotic Crust \_\_\_ Present? Remarks:

"	

Sampling Point: SP- 5 4

Profile Descr	iption: (Describe	to the depth	needed to docur	nent the i	ndicator	or confirm	m the absence of indicators.)
Depth .	Matrix			x Features		1 . 2	Tartan Barata
(inches)	Color (moist)		Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks
0-24	10 yr 2/2	<u> 100 _ </u>					day loam
							<u> </u>
· · · · · · · · · · · · · · · · · · ·							
·						<del></del>	
17	nantration D-Day	alatian DM-D	aduand Matrix CS	S-Coveres	Lor Coato	d Sand G	Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
	ncentration, D=De ndicators: (Applie					u Sanu G	Indicators for Problematic Hydric Soils <sup>3</sup> :
El proposi en sono		able to all Liv			.u.,		1 cm Muck (A9) (LRR C)
Histosol (	pedon (A2)		Sandy Red Stripped Ma				2 cm Muck (A10) (LRR B)
Black His			Loamy Muc		(F1)		Reduced Vertic (F18)
	Sulfide (A4)		Loamy Gley				Red Parent Material (TF2)
	Layers (A5) (LRR	C)	Depleted M		(/		Other (Explain in Remarks)
(10) - 100 may -	k (A9) (LRR D)		Redox Dark		F6)		
Depleted	Below Dark Surface	ce (A11)	Depleted D	ark Surfac	e (F7)		
Thick Dar	k Surface (A12)		Redox Dep	ressions (F	-8)		<sup>3</sup> Indicators of hydrophytic vegetation and
A STATE OF THE PARTY OF THE PAR	ucky Mineral (S1)		Vernal Poo	s (F9)			wetland hydrology must be present,
	eyed Matrix (S4)						unless disturbed or problematic.
Restrictive La	ayer (if present):						
	State of the state		_				
Depth (inch	nes):	10,000	_				Hydric Soil Present? Yes X No
Remarks:		and ar	A alixin	ilavli	OF IP	Lam	sitt loam). Area weeks for
Sile	in area mo	phon w	1 Southern	of property	volon	Am in	adicators sois information
Maroh	which hear	TRAILMI	1 Mellow	y 1100	A CALL	1	
hydric		tion 5	of the	HIId	MASS	1 2	ipp terrend.
	•						
HYDROLOG	SY				W 3000		
Wetland Hydi	rology Indicators	:					
Primary Indica	ators (minimum of	one required; o	heck all that appl	y)			Secondary Indicators (2 or more required)
Surface V	Vater (A1)		Salt Crust				Water Marks (B1) (Riverine)
High Wate	er Table (A2)		→ Biotic Crus	st (B12)			Sediment Deposits (B2) (Riverine)
Saturation	n (A3)		Aquatic In	vertebrate	s (B13)		Drift Deposits (B3) (Riverine)
Water Ma	rks (B1) (Nonrive	rine)	Hydrogen	Sulfide Oc	for (C1)		Drainage Patterns (B10)
Sediment	Deposits (B2) (No	onriverine)				•	oots (C3) Dry-Season Water Table (C2)
Drift Depo	osits (B3) (Nonrive	erine)	Presence	of Reduce	d Iron (C4	1)	Crayfish Burrows (C8)
Surface S	Soil Cracks (B6)		Recent Iro	n Reduction	on in Tille	d Soils (Ce	
Inundation	n Visible on Aerial	Imagery (B7)	Thin Muck	Surface (	C7)		Shallow Aquitard (D3)
Water-Sta	ained Leaves (B9)		Other (Exp	olain in Re	marks)		FAC-Neutral Test (D5)
Field Observa	ations:	***************************************	,				
Surface Water	r Present?	res No		ches):			
Water Table P	Present?	/es No	Depth (in	ches):		_	-
Saturation Pre		resNo	X Depth (in	ches):	1470	_ Weti	tland Hydrology Present? Yes No
(includes capil	llary fringe)						
Describe Reco	orded Data (stream	n gauge, monit	oring well, aerial	photos, pre	evious ins	pections),	, if available:
				<u> </u>			
Remarks:			100				

Project/Site: CLINTON KEITH EXTENSION County: MUR	HETA, HVEKSIDGampling Date: 1/15/14
Applicant/Owner: KCTD	State: CH Sampling Point: Sp 55
Investigator(s): A. PARIZA Z. WEST Section, Township, Ra	nge:
Landform (hillslope, terrace, etc.): Acadplain depression Local relief (concave,	convex, none): CONCAVE Slope (%): 4
	Long: Datum:
	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No	
	"Normal Circumstances" present? Yes No
Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point leading to the state of the state o	ocations, transects, important features, etc.
Hydrophytic Vegetation Present?  Yes No Is the Sampled	
Hydric Soil Present? Yes No	
Wetland Hydrology Present? Yes No within a Wetlan	nd? Yes No
Remarks:	
,	
VEGETATION – Use scientific names of plants.	
Tree Stratum (Plot size: /30') Absolute Dominant Indicator % Cover Species? Status	Dominance Test worksheet:
Tree Stratum (Plot size:	Number of Dominant Species
	That Are OBL, FACW, or FAC:(A)
2	Total Number of Dominant
3	Species Across All Strata: (B)
= Total Cover	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:)	That Are OBL, FACW, or FAC: 20 (A/B)
1. EVIGETON CONCOLONGIS 15 Y FALL	Prevalence Index worksheet:
2. Dirayum Vylace 10 N UPL	Total % Cover of: Multiply by:
3. Hirschfelder = cona 5 N UPL	OBL species x 1 =
4. Chenopodium allum 15 Y FACU	FACW species
5. Helianthus angus 20 Y FACU	FAC species x 3 =
	FACU species $50 \times 4 = 200$
1. Pol pol on mon 40 clares 55 Y FALV	UPL species
	Column Totals: 150 (A) 445 (B)
	Prevalence Index = B/A = \( \subseteq \text{9 (a}
3	Hydrophytic Vegetation Indicators:
4	Dominance Test is >50%
5	Prevalence Index is ≤3.0¹
7	Morphological Adaptations¹ (Provide supporting
8	data in Remarks or on a separate sheet)
- Zo' = Total Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size: 30 = Total Cover	
1	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
2	be present, unless disturbed or problematic.
= Total Cover	Hydrophytic
% Bare Ground in Herb Stratum	Vegetation Present? Yes No
Remarks:	100
Tomano.	

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J	u	ı	ᆫ	

Sampling Point: SP-55

Depth	Matrice			20	confirm the a	
(inches)	Matrix Color (moist)	% Color	Redox Feature (moist) %	Type <sup>1</sup> L	_oc² Tex	xture Remarks
0-26	11 10 10	(01)				( loam)
0-20	10 11- 12					
	-					
				_	<u> </u>	
1						21
	oncentration, D=Deplet					<sup>2</sup> Location: PL=Pore Lining, M=Matrix. dicators for Problematic Hydric Soils <sup>3</sup> :
	Indicators: (Applicab			tea.)	IIIC	
Histosol			Sandy Redox (S5)		1	1 cm Muck (A9) (LRR C)
	pipedon (A2)		Stripped Matrix (S6)		_	2 cm Muck (A10) (LRR B)
Black His			Loamy Mucky Miner		-	Reduced Vertic (F18)
	n Sulfide (A4)	(d)	Loamy Gleyed Matrix		$\overline{}$	Red Parent Material (TF2)  Other (Explain in Remarks)
	Layers (A5) (LRR C)		Depleted Matrix (F3) Redox Dark Surface		_	Citiei (Explain in Remarks)
the same of the sa	ick (A9) ( <b>LRR D</b> ) d Below Dark Surface (		Depleted Dark Surfa			
# <del>10</del>	ark Surface (A12)		Redox Depressions		3Inc	dicators of hydrophytic vegetation and
	lucky Mineral (S1)	\$4	Vernal Pools (F9)	(1 0)		wetland hydrology must be present,
	Gleyed Matrix (S4)		verrial r colo (i c)			unless disturbed or problematic.
	_ayer (if present):					
	ayor ( processy.					
Type:	-h-a-\-				Hvd	Iric Soil Present? Yes No
Depth (inc			<u> </u>			
Soils Soils	lufeurg as	hydric	on and n	ietland ion e	that	of bay inclicators. The Hip West Supplem
IVDDOLO	CV					
		Q.				
Wetland Hyd	drology Indicators:	an antimode phones of	all that annly		5 - 5.00	Socondany Indicators (2 or more required)
Wetland Hyd Primary Indic	drology Indicators: cators (minimum of one	required; check a				Secondary Indicators (2 or more required)
Wetland Hyd Primary Indic Surface	drology Indicators: cators (minimum of one Water (A1)	required; check a	Salt Crust (B11)		2.09	Water Marks (B1) (Riverine)
Wetland Hyd Primary Indic Surface 1 High Wa	drology Indicators: cators (minimum of one Water (A1) der Table (A2)	required; check &	Salt Crust (B11) Biotic Crust (B12)			Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Primary Indic Surface High Wa Saturatio	drology Indicators: eators (minimum of one Water (A1) tter Table (A2) on (A3)	<u> </u>	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrate			Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Wetland Hyd Primary Indio Surface Wight Wa Saturatio Water M	drology Indicators: cators (minimum of one Water (A1) hter Table (A2) on (A3) arks (B1) (Nonriverine	<u>×</u> – – – – – – – – – – – – – – – – – – –	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrate Hydrogen Sulfide C	Odor (C1)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
Wetland Hyd Primary Indio Surface Wight Wa Saturatio Water M	drology Indicators: eators (minimum of one Water (A1) tter Table (A2) on (A3)	)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C Oxidized Rhizospho	Odor (C1) eres along Livi	ing Roots (C3	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
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Wetland Hyd Primary Indic Surface V High Wa Saturatio Water M Sediment Drift Dep	drology Indicators: cators (minimum of one Water (A1) der Table (A2) on (A3) carks (B1) (Nonriverine dt Deposits (B2) (Nonri	)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrat Hydrogen Sulfide C Oxidized Rhizospho	Odor (C1) eres along Livi ed Iron (C4)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)
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Wetland Hyd Primary Indic Surface ' High Wa Saturatic Water M Sediment Drift Dep	drology Indicators: cators (minimum of one Water (A1) Inter Table (A2) In (A3) Iarks (B1) (Nonriverine Int Deposits (B2) (Nonri Interiorist (B3) (Nonriverine Soil Cracks (B6) In Visible on Aerial Imatained Leaves (B9)	verine) e) sgery (B7)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrate Hydrogen Sulfide C Oxidized Rhizosphe Presence of Reduct Recent Iron Reduct Thin Muck Surface	Odor (C1) eres along Livi ed Iron (C4) tion in Tilled So (C7)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
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Primary Indice Surface Water M Sediment Drift Dep Surface Inundation Water-St Field Observ Surface Water Table	drology Indicators: cators (minimum of one Water (A1) on (A3) carks (B1) (Nonriverine on Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Ima tained Leaves (B9) vations: er Present? Yes Present? Yes	e)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrate Hydrogen Sulfide C Oxidized Rhizospho Presence of Reduct Recent Iron Reduct Thin Muck Surface Other (Explain in R  Depth (inches): Depth (inches):	Odor (C1) eres along Livi ed Iron (C4) tion in Tilled So (C7) emarks)	oils (C6)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hyd Primary Indic Surface Water M Sedimen Drift Dep Surface Inundatio Water-St Field Observ Surface Water Water Table Saturation Pr (includes cap	drology Indicators: cators (minimum of one Water (A1) ater Table (A2) on (A3) carks (B1) (Nonriverine at Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Ima tained Leaves (B9) vations: er Present? Present? Yes resent? Yes resent? Yes	No   X   No   X	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrate Hydrogen Sulfide C Oxidized Rhizospho Presence of Reduct Recent Iron Reduct Thin Muck Surface Other (Explain in R  Depth (inches): Depth (inches): Depth (inches):	Odor (C1) eres along Livi eed Iron (C4) tion in Tilled So (C7) emarks)	oils (C6)  Wetland H	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hyd Primary Indic Surface Water M Sedimen Drift Dep Surface Inundatio Water-St Field Observ Surface Water Water Table Saturation Pr (includes cap	drology Indicators: cators (minimum of one Water (A1) of (A2) on (A3) arks (B1) (Nonriverine of Deposits (B2) (Nonri cosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Ima tained Leaves (B9) vations: er Present? Present? Yes resent? Yes	No   X   No   X	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrate Hydrogen Sulfide C Oxidized Rhizospho Presence of Reduct Recent Iron Reduct Thin Muck Surface Other (Explain in R  Depth (inches): Depth (inches): Depth (inches):	Odor (C1) eres along Livi eed Iron (C4) tion in Tilled So (C7) emarks)	oils (C6)  Wetland H	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hyd Primary Indic Surface Water M Sedimen Drift Dep Surface Inundatio Water-St Field Observ Surface Water Water Table Saturation Pr (includes cap	drology Indicators: cators (minimum of one Water (A1) ater Table (A2) on (A3) carks (B1) (Nonriverine at Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Ima tained Leaves (B9) vations: er Present? Present? Yes resent? Yes resent? Yes	No   X   No   X	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrate Hydrogen Sulfide C Oxidized Rhizospho Presence of Reduct Recent Iron Reduct Thin Muck Surface Other (Explain in R  Depth (inches): Depth (inches): Depth (inches):	Odor (C1) eres along Livi eed Iron (C4) tion in Tilled So (C7) emarks)	oils (C6)  Wetland H	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hyd Primary Indic Surface Water M Sedimen Drift Dep Surface Inundatio Water-St Field Observ Surface Water Water Table Saturation Pr (includes cap	drology Indicators: cators (minimum of one Water (A1) ater Table (A2) on (A3) carks (B1) (Nonriverine at Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Ima tained Leaves (B9) vations: er Present? Present? Yes resent? Yes resent? Yes	No   X   No   X	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrate Hydrogen Sulfide C Oxidized Rhizospho Presence of Reduct Recent Iron Reduct Thin Muck Surface Other (Explain in R  Depth (inches): Depth (inches): Depth (inches):	Odor (C1) eres along Livi eed Iron (C4) tion in Tilled So (C7) emarks)	oils (C6)  Wetland H	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hyd Primary Indic Surface Water M. Sediment Drift Dep Surface Inundation Water-St Field Observ Surface Water Table Saturation Pr (includes cap	drology Indicators: cators (minimum of one Water (A1) ater Table (A2) on (A3) carks (B1) (Nonriverine at Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Ima tained Leaves (B9) vations: er Present? Present? Yes resent? Yes resent? Yes	No   X   No   X	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrate Hydrogen Sulfide C Oxidized Rhizospho Presence of Reduct Recent Iron Reduct Thin Muck Surface Other (Explain in R  Depth (inches): Depth (inches): Depth (inches):	Odor (C1) eres along Livi eed Iron (C4) tion in Tilled So (C7) emarks)	oils (C6)  Wetland H	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hyd Primary Indic Surface Water M. Sediment Drift Dep Surface Inundation Water-St Field Observ Surface Water Table Saturation Pr (includes cap	drology Indicators: cators (minimum of one Water (A1) ater Table (A2) on (A3) carks (B1) (Nonriverine at Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Ima tained Leaves (B9) vations: er Present? Present? Yes resent? Yes resent? Yes	No   X   No   X	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrate Hydrogen Sulfide C Oxidized Rhizospho Presence of Reduct Recent Iron Reduct Thin Muck Surface Other (Explain in R  Depth (inches): Depth (inches): Depth (inches):	Odor (C1) eres along Livi eed Iron (C4) tion in Tilled So (C7) emarks)	oils (C6)  Wetland H	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hyd Primary Indic Surface Water M. Sediment Drift Dep Surface Inundation Water-St Field Observ Surface Water Table Saturation Pr (includes cap	drology Indicators: cators (minimum of one Water (A1) ater Table (A2) on (A3) carks (B1) (Nonriverine at Deposits (B2) (Nonriverine cosits (B3) (Nonriverine Soil Cracks (B6) on Visible on Aerial Ima tained Leaves (B9) vations: er Present? Present? Yes resent? Yes resent? Yes	No   X   No   X	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrate Hydrogen Sulfide C Oxidized Rhizospho Presence of Reduct Recent Iron Reduct Thin Muck Surface Other (Explain in R  Depth (inches): Depth (inches): Depth (inches):	Odor (C1) eres along Livi eed Iron (C4) tion in Tilled So (C7) emarks)	oils (C6)  Wetland H	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site: CLINION YOTH EXTENSION	City	County: MURPA	ETA, RIVERSIDE Sampling Date: 1/14/
Applicant/Owner: KCTD			State: <u>CA</u> Sampling Point: <u>5P-56</u>
Investigator(s): A. PARPA, Z. WEST	Sec	tion, Township, Ra	inge:
Landform (hillslope, terrace, etc.): Ylodgikin	16 64622 Jugoc	al relief (concave,	convex, none): CAMCALE Slope (%): L
Subregion (LRR):	Lat:		Long: Datum:
Soil Map Unit Name:			NWI classification:
Are climatic / hydrologic conditions on the site typical for the			2000 No. 100 Ed 100 No.
Are Vegetation N, Soil N, or Hydrology N			"Normal Circumstances" present? Yes No
Are Vegetation N, Soil N, or Hydrology N			eeded, explain any answers in Remarks.)
			ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No _X_	lo the Samulad	14
Hydric Soil Present? Yes		Is the Sampled within a Wetlar	
Wetland Hydrology Present? Yes X	No	Within a Wellan	id: TesNo
Remarks:			
			2
VEGETATION - Use scientific names of pla	nts.		
Tree Stratum (Plot size: 36')		minant Indicator ecies? Status	Dominance Test worksheet:
1	70 COVEL Sp	edes: Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2			
3.			Total Number of Dominant Species Across All Strata: (B)
4			1-1
Sapling/Shrub Stratum (Plot size: 15 )	= T	otal Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: \(\frac{1}{3} = \frac{33%}{6}\) (A/B)
1. HELIGIMATUS CHIMUS		Y FARU	Prevalence Index worksheet:
2. Hivschteldia icana	60	JOPE	Total % Cover of: Multiply by:
3. Yulicaria paludosa	10	N FAC	OBL species x 1 =
4			FACW species x 2 = 80
5			FACUS PROCESS 20 x3 = 30
Herb Stratum (Plot size: 5	<u></u>	otal Cover	1 ACO species
1. Polypagon monspeliensis	_ 40 <u> </u>	Y FACW	120 1100
2.			
3			Prevalence Index = B/A = 490/130 - 3.7
4			Hydrophytic Vegetation Indicators:
5	300		Dominance Test is >50%
6.			Prevalence Index is ≤3.0¹
7			Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
8	- <del>40</del> = T	otal Cover	Problematic Hydrophytic Vegetation¹ (Explain)
Woody Vine Stratum (Plot size: 30'	<del></del> -11	otal Cover	
1			¹Indicators of hydric soil and wetland hydrology must
2			be present, unless disturbed or problematic.
	= T	otal Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum % Cove	er of Biotic Crust		Present? Yes No
Remarks:		0.4.950	
8			
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CO	ı	
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Sampling Point: 59-56

Depth Matrix (inches) Color (moist) %	Redox Features Color (moist) % Type <sup>1</sup> Lo	c <sup>2</sup> Texture Remarks
0-23 10 YR 2/2 100		clay loam
0 25 0 10 10	<u></u>	
<del></del>		
Type: C=Concentration, D=Depletion,	RM=Reduced Matrix, CS=Covered or Coated Sal	nd Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (Applicable to	all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)  Redox Dark Surface (F6)	Other (Explain in Remarks)
<ul><li>1 cm Muck (A9) (LRR D)</li><li>Depleted Below Dark Surface (A11</li></ul>		
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
Restrictive Laver (if present):		
Type: Clay hard part.		
Donth (inches): 23		
Depth (inches): 23  Remarks: Pan at Pan at	23. No hydric soil	Hydric Soil Present? Yes No
Remarks:	23" No hydric soil	
Remarks: Clay hard pan of	23. No hydric soil	
YDROLOGY Vetland Hydrology Indicators:		indicators present.
Primary Indicators:	uired; check all that apply)	Secondary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators:  Surface Water (A1)	uired; check all that apply) Salt Crust (B11)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)
YDROLOGY Vetland Hydrology Indicators:  Surface Water (A1) High Water Table (A2)	uired; check all that apply) Salt Crust (B11) Biotic Crust (B12)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)
YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (minimum of one reg  Surface Water (A1)  High Water Table (A2)  Saturation (A3)	uired; check all that apply)  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)
YDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one reg  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)	uired; check all that apply)  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)
YDROLOGY  Vetland Hydrology Indicators:  Primary Indicators (minimum of one reg  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)	uired; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  ine) Oxidized Rhizospheres along Living	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  Roots (C3)  Dry-Season Water Table (C2)
Primary Indicators:  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Drift Deposits (B3) (Nonriverine)	uired; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) ine) Oxidized Rhizospheres along Living 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)  Roots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)
Primary Indicators (minimum of one regression (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	uired; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  ine)  Oxidized Rhizospheres along Living  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Soil	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  g Roots (C3) Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Is (C6) Saturation Visible on Aerial Imagery (C9)
Primary Indicators (minimum of one regular 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 Imager	uired; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  ine) Oxidized Rhizospheres along Living  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Soil  y (B7) Thin Muck Surface (C7)	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  g Roots (C3) Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Is (C6) Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Primary Indicators (minimum of one regular 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 Imager Water-Stained Leaves (B9)	uired; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  ine)  Oxidized Rhizospheres along Living  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Soil	Secondary Indicators (2 or more required)  Water Marks (B1) (Riverine)  Sediment Deposits (B2) (Riverine)  Drift Deposits (B3) (Riverine)  Drainage Patterns (B10)  g Roots (C3) Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Is (C6) Saturation Visible on Aerial Imagery (C9)
Primary Indicators (minimum of one red 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 Imager Water-Stained Leaves (B9) Field Observations:	uired; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) ine) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil y (B7) Thin Muck Surface (C7) 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)  g Roots (C3) Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Is (C6) Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Primary Indicators (minimum of one red 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 Imager Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes	uired; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil y (B7) Thin Muck Surface (C7) 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)  g Roots (C3) Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Is (C6) Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Primary Indicators (minimum of one red 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 Imager Water-Stained Leaves (B9) Field Observations: Surface Water Present?  Ves Water Table Present?	uired; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil y (B7) Thin Muck Surface (C7) 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)  g Roots (C3) Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Primary Indicators (minimum of one regressions)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imager Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  Saturation Present?  Yes  Saturation Present?	uired; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil y (B7) Thin Muck Surface (C7) 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)  g Roots (C3) Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Is (C6) Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)
Primary Indicators (minimum of one regression (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Water-Stained Leaves (B9) Field Observations: Surface Water Present? Ves Saturation Present? Seturation Present?	uired; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil y (B7) Thin Muck Surface (C7) 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)  GRoots (C3) Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Primary Indicators (minimum of one regressions)  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 Imager  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Ves  Saturation Present? Yes  Saturation Present? Yes  Saturation Present? Yes  Saturation Present? Yes  Secribe Recorded Data (stream gauge	uired; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) ine) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil y (B7) Thin Muck Surface (C7) 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)  GRoots (C3) Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Primary Indicators (minimum of one regressions)  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 Imager  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Ves  Saturation Present? Yes  Saturation Present? Yes  Saturation Present? Yes  Saturation Present? Yes  Secribe Recorded Data (stream gauge	uired; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) ine) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil y (B7) Thin Muck Surface (C7) 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)  GRoots (C3) Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Primary Indicators (minimum of one regressions)  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 Imager  Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Ves  Saturation Present? Yes  Saturation Present? Yes  Saturation Present? Yes  Saturation Present? Yes  Secribe Recorded Data (stream gauge	uired; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) ine) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil y (B7) Thin Muck Surface (C7) 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)  g Roots (C3) Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)
Primary Indicators (minimum of one regression (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imager Water-Stained Leaves (B9) Field Observations: Surface Water Present? Ves Saturation Present? Seturation Present?	uired; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) ine) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil y (B7) Thin Muck Surface (C7) 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)  GRoots (C3)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (CS)  Shallow Aquitard (D3)  FAC-Neutral Test (D5)

Project/Site: Clinton Keth Extens	16N City/	County: Mily	TICHA RINEYSICESampling Date: 1/16/14
Applicant/Owner: RCIV			State: CA Sampling Point: Sp-57
Investigator(s): A. PARRA, Z. WEST	Sect	ion, Township, Ra	ange:
Landform (hillslope, terrace, etc.): Hoodplain De	DY CSSION LOCA	al relief (concave,	convex, none): Concave Slope (%):
Subregion (LRR): C	Lat:		Long: Datum:
Soil Map Unit Name:			NWI classification:
Are climatic / hydrologic conditions on the site typical for the	nis time of year? \		
Are Vegetation, Soil, or Hydrology	significantly distu	rbed? Are	"Normal Circumstances" present? Yes X
Are Vegetation N, Soil N, or Hydrology			eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing sar		locations, transects, important features, etc.
Hydrophytic Vegetation Present?	No		.8
<b>N</b>	No	Is the Sample	The state of the s
Wetland Hydrology Present? Yes	No	within a Wetla	nd? Yes No No
Remarks:			
VEGETATION – Use scientific names of plan	nts.		
		ninant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30')	% Cover Spe	cies? Status	Number of Dominant Species
	<u> </u>	FACH	That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
3			Species Across All Strata: (B)
4.	(O) = To	tal Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:
Sapling/Shrub Stratum (Plot size: 10 )		lai Covei	That Are OBL, FACW, or FAC:
1. Tamarix ramosissima	_ 30 ;	FAC	Prevalence Index worksheet:
2. Helanthus amous	<u> 5 1</u>	FACU	Total % Cover of: Multiply by:
3. Xcinthium Strumarium 4. Apium	- 5 - 1	1 HC	OBL species x 1 =
5. Ambrosia sylistada	- 10 - 1	FACU	FAC species x 2 =
VYTICA DIOICA	10.75 = To	tal Cover	FAC species x 3 = FACU species x 4 =
Herb Stratum (Plot size: 6)			UPL species x 5 =
1. Animopsis californious	15	Y OBL	Column Totals: (A) (B)
2. Juneus' mexicanus		Y FACW	
3			Prevalence Index = B/A =
4			Hydrophytic Vegetation Indicators:  X Dominance Test is >50%
5			Prevalence Index is ≤3.0¹
6			Morphological Adaptations¹ (Provide supporting)
8			data in Remarks or on a separate sheet)
	35 = To	tal Cover	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
Woody Vine Stratum (Plot size:)			1
1			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2			
65		tal Cover	Hydrophytic Vegetation
	r of Biotic Crust _		Present? Yes No
Remarks:			
8			

C	1	ı	
J	u	ı	_

Sampling Point: 5P-57

Profile Description: (Describe to the depth	needed to document the indicator or	confirm the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup>	Loc <sup>2</sup> Texture Remarks
5-16 104R2/1 100		clay locum
1		Cond Crains 21 postions DI - Dave Linius Manhatris
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=R Hydric Soil Indicators: (Applicable to all LR	Ps. unless otherwise noted )	Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.  Indicators for Problematic Hydric Soils <sup>3</sup> :
20 107-008		1 cm Muck (A9) (LRR C)
Histosol (A1)	Sandy Redox (S5) Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Histic Epipedon (A2) Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	_ * * * * * * * * * * * * * * * * * * *
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
Restrictive Layer (if present):		110
Type:	<del>_</del>	2 3 1 2
Depth (inches):	_	Hydric Soil Present? Yes No
hydrophytic vegetation of hydric per section	and wetland hid	mno sitt loam) free meets for rology indicators. Soils inferred vect Supplement
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; of	check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Salt Crust (B11)	Water Marks (B1) (Riverine)
High Water Table (A2)	Biotic Crust (B12)	Sediment Deposits (B2) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	X Drift Deposits (B3) (Riverine)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	∠ Drainage Patterns (B10)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along Liv	ing Roots (C3) Dry-Season Water Table (C2)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Tilled S	oils (C6) Saturation Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes X No	Depth (inches):	
Water Table Present? Yes X	Depth (inches): 16	
	Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monit	foring well aerial photos previous inspe	ctions) if available:
Describe Necorded Data (Stream gauge, month	torning well, derial priotoe, proviode mope	
Remarks:		
The state of the s		
I .		

Project/Site:CLINTON_Keth Extension Applicant/Owner:	Section Sectio	on, Township, Ra I relief (concave,  'es No_ bed? Are	State: State: Sampling Point: Sp-58  Inge: Convex, none): CONCAVE Slope (%): L  Long: Datum: Datum: (If no, explain in Remarks.)  "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology SUMMARY OF FINDINGS - Attach site map			eeded, explain any answers in Remarks.) ocations, transects, important features, etc.
Hydrophytic Vegetation Present?  Hydric Soil Present?  Wetland Hydrology Present?  YesI	No <u>×</u>	Is the Sampled within a Wetlan	I Area
Remarks:			
VEGETATION – Use scientific names of plan	nts.		
Tree Stratum (Plot size: 30 / 1 2 3 4 4.	Absolute Don Spe	ninant Indicator cies? Status	Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC:  Total Number of Dominant Species Across All Strata:  (B)
Sapling/Shrub Stratum (Plot size: 10 1 )  1. RUMPY CLISPUS  2. AMDIOSIA  3. 4.	5 1		Percent of Dominant Species         That Are OBL, FACW, or FAC:         O %         (A/B)           Prevalence Index worksheet:
5	55	tal Cover  FACU UPL	FAC species $5$ $\times 3 = 15$ FACU species $35$ $\times 4 = 140$ UPL species $5$ $\times 5 = 25$ Column Totals: $45$ (A) $180$ (B)  Prevalence Index = B/A = $180/45 = 40$
5			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)
% Bare Ground in Herb Stratum % Cove	= Tot er of Biotic Crust _	ial Cover	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Hydrophytic Vegetation Present? Yes No

Sampling	Point:	5p-	58

	Redox Features	
Depth Matrix (inches) Color (moist) %	Color (moist) % Type¹ Loc	2 Texture Remarks
0-22 104R2/2 100		Clay loam
1012		
Type: C=Concentration, D=Depletion, RM:	=Reduced Matrix, CS=Covered or Coated San	
Hydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12)	Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
Restrictive Layer (if present):		
Type:	<del></del>	Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No _<
	nciculous present.	
W-7-01-00V		
•		
Wetland Hydrology Indicators:		
Wetland Hydrology Indicators:		Secondary Indicators (2 or more required)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required  Surface Water (A1)		Water Marks (B1) (Riverine)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require	d; check all that apply)	
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	d; check all that apply) Salt Crust (B11) Biotic Crust (B12)	Water Marks (B1) (Riverine)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one require)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)	d; check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	<ul><li>Water Marks (B1) (Riverine)</li><li>Sediment Deposits (B2) (Riverine)</li></ul>
Wetland Hydrology Indicators:  Primary Indicators (minimum of one require)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)	d; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)	<ul> <li>Water Marks (B1) (Riverine)</li> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> </ul>
Wetland Hydrology Indicators:  Primary Indicators (minimum of one require)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)	d; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living	<ul> <li>Water Marks (B1) (Riverine)</li> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> <li>Roots (C3)</li> <li>Dry-Season Water Table (C2)</li> </ul>
Wetland Hydrology Indicators:  Primary Indicators (minimum of one require)  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)	d; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living Presence of Reduced Iron (C4)	<ul> <li>Water Marks (B1) (Riverine)</li> <li>Sediment Deposits (B2) (Riverine)</li> <li>Drift Deposits (B3) (Riverine)</li> <li>Drainage Patterns (B10)</li> <li>Roots (C3)</li> <li>Dry-Season Water Table (C2)</li> <li>Crayfish Burrows (C8)</li> </ul>
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)	d; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Soils	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) S (C6) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (B	d; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Soils  7) Thin Muck Surface (C7)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one require)  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)	d; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Soils	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one require)  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:	d; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils 7) Thin Muck Surface (C7) Other (Explain in Remarks)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one require)  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:	d; check all that apply)  Salt Crust (B11)  Biotic Crust (B12)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Living  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Soils  7) Thin Muck Surface (C7)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (Bay Water-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Yes	d; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (Baydater-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?	d; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators:  Primary Indicators (minimum of one required Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1) (Nonriverine)  Sediment Deposits (B2) (Nonriverine)  Drift Deposits (B3) (Nonriverine)  Surface Soil Cracks (B6)  Inundation Visible on Aerial Imagery (Baydater-Stained Leaves (B9)  Field Observations:  Surface Water Present?  Water Table Present?  Yes  Saturation Present?	d; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
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 Saturation Present? Yes (includes capillary fringe)	d; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches):	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
Wetland Hydrology Indicators:  Primary Indicators (minimum of one require)  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)	d; check all that apply)  Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils 7) Thin Muck Surface (C7) Other (Explain in Remarks)  No Depth (inches): No	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No
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# Appendix D Site Photographs



Photo 1

Date: 08-01-2013

Feature: Drainage 2-Warm Springs Creek

Direction: Northwest

Description:

Downstream view of

SP-2.



Photo 2

Date: 08-01-2013

Feature: Drainage 2-Warm Springs Creek

Direction: East

Description:

Upstream view of SP-1.