Appendix A. Wetland Determination Data Forms – Arid West Region

Project/Site: Yolo Grasslands Regional Park	City/County: Yolo C	County	Sampling Date: 4-30-2010				
Applicant/Owner: Yolo County Parks and Resources Department	nt	State:CA	Sampling	g Point: dp1			
Investigator(s): Helm and Wood	Section, Township, F	Range: 31, Township 8	North, Rai	nge 3 East			
Landform (hillslope, terrace, etc.): Basin	Local relief (concave	e, convex, none): conca	ve	Slope (%): <1			
Subregion (LRR):C - Mediterranean California Lat: Ea	sting: 614552.1	Long: Northing: 42	61532.3	Datum: NAD83			
Soil Map Unit Name: Pescadero silty clay		NWI class	ification: nor	ne			
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes 💿 🛛 No	(If no, explain ir	n Remarks.)				
Are Vegetation Soil or Hydrology significantly	v disturbed? Ar	e "Normal Circumstances	s" present?	Yes 💿 No 🔿			
Are Vegetation Soil or Hydrology naturally pr	oblematic? (If	needed, explain any ans	wers in Rem	arks.)			
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes No	is the Sample	ad Araa					

Hydric Soil Present?	Yes 💽	No 🔘	Is the Sampled Area		
Wetland Hydrology Present?	Yes 💽	No 💿	within a Wetland?	Yes 💿	No 🔿
Remarks:					

	Absolute	Dominant	Indicator	Dominance Test we	orksheet	t:		
Tree Stratum (Plot Size:)	% Cover	Species?	Status	Number of Dominan	t Species	5		
1				That Are OBL, FAC	N, or FA	C:	1	(A)
2			-	Total Number of Dor	minant			
3.				Species Across All S	Strata:		1	(B)
4.				- Dereent of Dominant	t Spacia			
Sapling/Shrub Stratum (Plot Size:	r: %			That Are OBL, FAC	N, or FA	C: 1(0.0%	(A/B)
				Prevalence Index w	vorkshee	et:		
2		·		Total % Cover o	of:	Multi	olv by:	
2						x 1 =	0	
3.			·		15	x 2 -	20	
4: 					15	×2 -	210	
5					/0	x 3 –	210	
I otal Cover	. %			FACU species	15	x 4 =	60	
	(0)	V		UPL species		x 5 =	0	
1. Hordeum marinum ssp. gussoneanum	60	$\frac{\text{Yes}}{1}$		Column Totals:	100	(A)	300	(B)
² . Eryngium vaseyi	10	No	FACW	- Prevalence Inc	dox = B/r	Δ -	2 00	
³ . Bromus hordeaceus	15	No	FACU				5.00	
⁴ . <i>Rumex crispus</i>	5	No	FACW	Hydropnytic vegeta		licators:		
5. Lolium multiflorum	10	No	FAC	X Dominance Les	t is >50%	0		
6.				Prevalence Inde	ex is ≤3.0)'		
7				Morphological A	Adaptation	ns ¹ (Provid n a separat	e supporti te sheet)	ng
8.					drophytic		n ¹ (Evolair)
Total Cover Woody Vine Stratum (Plot Size:)	100%				aropriyio	vegetation)
1.				¹ Indicators of hydric	soil and	l wetland h	ydrology i	nust
2.		·	·	be present.				
Total Cover	: %			Hydrophytic				
% Bare Ground in Herb Stratum 0% % Cover	of Biotic C	Crust () %	Vegetation Present?	Yes 💿	No (0	
Remarks: Lolium multiflorum indicator status of F	AC was g	given by ir	vestigator	s.				

Profile Des	cription: (Describe	to the de	pth needed to document the indicator or confi	irm the absence of indi	icators.)				
Depth	Matrix		Redox Features						
(inches)	Color (moist)	%	$\frac{\text{Color (moist)}}{\text{Moist}} \qquad \frac{\%}{\text{Moist}} \qquad \frac{\text{Type}^1}{\text{Loc}^2}$	Texture ³	Remarks				
0-6"	10 YR 3/2	100		Clay					
6-18"	10 YR 3/3	60	10 YR 4/6 40	Clay					
		·							
			·						
17 0 0			2						
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix. ² Location: PL=Pore Lining, RC=Root Channel, M=Matrix.									
	es: Clay, Slity Clay, S		y, Loam, Sandy Clay Loam, Sandy Loam, Clay L	oam, Silty Clay Loam, S	lit Loam, Silt, Loamy Sand, Sand.				
Hydric Soil	Indicators: (Applicab	le to all L	RRs, unless otherwise noted.)	Indicators for Prot	Indicators for Problematic Hydric Solis:				
	DI (A1) Enimedam (A2)		Sandy Redox (S5)		\square 1 cm Muck (A9) (LRR C)				
	pipedon (AZ)		Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)					
	$\operatorname{use} \operatorname{Sulfide} (A3)$			Reduced Ven	Reduced Verlic (FTo)				
	ad Lavers (A5) (I RR (.)	Depleted Matrix (F3)	Other (Explain	n in Remarks)				
	luck (A9) (LRR D)		Redox Dark Surface (F6)						
	ed Below Dark Surfac	e (A11)	Depleted Dark Surface (F7)						
i 🖂 Thick 🛙	Dark Surface (A12)	· · /	Redox Depressions (F8)						
Sandy	Mucky Mineral (S1)		Vernal Pools (F9)	⁴ Indicators of hydr	ophytic vegetation and				
Sandy	Gleyed Matrix (S4)			wetland hydrol	ogy must be present.				
Restrictive	Layer (if present):								
Type:									
Depth (ii	nches):			Hydric Soil Prese	nt? Yes 💿 🛛 No 🔿				
Remarks:	Investigators observ	ved freq	uent ponding for long duration during the gr	owing season, which	based on criteria for hydric				
ť	his is a hydric soil (USDA	NRCS 1992).	-	-				

HYDROLOGY

Wetland Hydrology Indicators:	Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is sufficient)	Water Marks (B1) (Riverine)
Surface Water (A1) Salt Crust (B11) 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 Plowed So Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks)	Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Roots (C3) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) ills (C6) FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No O Depth (inches): Vo	Vetland Hydrology Present? Yes 💿 No 🔿
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspectio	ns), if available:
Remarks: Investigators observed saturation during the growing season.	

Project/Site: Yolo Grasslands Regional I	City/County: Yolo County			Sampling Date: 4-30-2010			
Applicant/Owner: Yolo County Parks and	t	State	CA S	Sampling P	oint: dp2		
Investigator(s): Helm and Wood	Section, Township	, Range: 31, To	wnship 8 No	rth, Range	e 3 East		
Landform (hillslope, terrace, etc.): Basin	Local relief (conca	ive, convex, none	e): convex		Slope (%): <1		
Subregion (LRR):C - Mediterranean Cali	fornia	Lat: Eas	sting: 614552.1	Long: Nor	thing: 42615	32.3	Datum: NAD83
Soil Map Unit Name: Pescadero silty clay NWI classification: none							
Are climatic / hydrologic conditions on the si	te typical for th	his time of ye	ear?Yes 💿 🛛 N	No 🔿 (If no,	explain in Rer	marks.)	
Are Vegetation Soil or Hydrol	logy	significantly	disturbed?	Are "Normal Circu	umstances" pre	esent? Ye	es 💿 🛛 No 🔿
Are Vegetation Soil or Hydrol	logy	naturally pro	oblematic? (If needed, explai	n any answers	in Remark	s.)
SUMMARY OF FINDINGS - Attac	h site map	showing	sampling poir	nt locations, t	transects, i	mportar	nt features, etc.
Hydrophytic Vegetation Present?	res 🕥	No 💿					
Hydric Soil Present?	res 🔘	No 💿	Is the Sam	pled Area			
Wetland Hydrology Present?	within a We	etland?	Yes 🔿	No 💿			
Remarks:							

	Absolute	Dominant	Indicator	Dominance Test w	orkshee	t:		
Tree Stratum (Plot Size:)	% Cover	Species?	Status	Number of Dominar	nt Specie	s		(•)
1				- I hat Are OBL, FAC	VV, or FA	.C:	1	(A)
2				Total Number of Do	minant			
3				Species Across All	Strata:		2	(B)
4				- Percent of Dominar	nt Species	s		
Sapling/Shrub Stratum (Plot Size:)	: %			That Are OBL, FAC	W, or FA	.C: 50).0 %	(A/B)
1.				Prevalence Index v	workshe	et:		
2.				Total % Cover	of:	Multip	ly by:	-
3.				OBL species		x 1 =	0	
4.				FACW species	3	x 2 =	6	
5.				FAC species	35	x 3 =	105	
Total Cover	%			FACU species	30	x 4 =	120	
Herb Stratum (Plot Size: <u>10' x 10'</u>)				UPL species	32	x 5 =	160	
1. Bromus diandrus	15	No	Not Listed	Column Totals:	100	(A)	391	(B)
2. Lolium multiflorum	5	No	FAC					
3. Bromus hordeaceus	30	Yes	FACU	Prevalence In	dex = B/	A =	3.91	
4. Silybum marianum	2	No	Not Listed	Hydrophytic Veget	ation Inc	dicators:		
5. Rumex crispus	3	No	FACW	Dominance Tes	st is >50%	6		
6. Erodium cicutarium	5	No	Not Listed	Prevalence Ind	ex is ≤3.0	D 1		
7. Avena fatua	30	Yes	Not Listed	Morphological /	Adaptatio	ons ¹ (Provide	e support	ing
8. Hordeum marinum ssp. gussoneanum	10	No	FAC		drophytic		¹ (Evplair	
Woody Vine Stratum (Plot Size: <u>10' x 10'</u>)	100%			¹ Indicators of hydrid	c soil and	d wetland h	(Explain	must
1	·			be present.			, ai ei ei gy	
Z								
% Bare Ground in Herb Stratum0 % % Cover	of Biotic C	Crust () %	Vegetation Present?	Yes ()	No (
Remarks: Lolium multiflorum indicator status of FA	AC was g	iven by in	vestigators					
	C	-	-					

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³ Remarks	
0-18"	10 YR 3/4	60 7	.5 YR 5/6	40			Clay	
³ Soil Textur	es: Clay, Silty Clay, San	on, Rivi= idv Clav.	Loam. Sandy Clay	Location:	PL=Pore	: Lining, R . Clav Loa	RC=Root Channel, M=Matrix. am. Silty Clay Loam. Silt Loam. Silt. Loamy Sand.	Sand.
Histoso Histic E Black H Hydrog Stratifie 1 cm M Deplete Thick D Sandy Sandy Restrictive Type: Depth (ir Remarks:	Indicators: (Applicable t of (A1) Epipedon (A2) distic (A3) en Sulfide (A4) ed Layers (A5) (LRR C) luck (A9) (LRR D) ed Below Dark Surface (A Dark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Layer (if present):	411)	S, unless otherwise Sandy Redo Stripped Ma Loamy Muc Loamy Gley Depleted M Redox Dark Depleted Da Redox Depl Vernal Pool	x (S5) atrix (S6) ky Mineral /ed Matrix (atrix (F3) c Surface (F ark Surface (F ressions (F8) 	(F1) (F2) =6) ∌ (F7) 8)		 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) ⁴ Indicators of hydrophytic vegetation and wetland hydrology must be present. Hydric Soil Present? Yes No (•)	, ,
	DGY							
HYDROLC							Secondary Indicators (2 or more require	d) (b
HYDROLC	vdrology Indicators:							<u> </u>
HYDROLC Wetland Hy Primary Indi	vdrology Indicators: icators (any one indicato	r is suffic	ient)				Water Marks (B1) (Riverine)	
HYDROLC Wetland Hy Primary Indi	ydrology Indicators: icators (any one indicato e Water (A1)	r is suffic	ient) Salt Crust	(B11)			Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)	
HYDROLC Wetland Hy Primary Ind Surface High W	ydrology Indicators: icators (any one indicato Water (A1) 'ater Table (A2)	r is suffic	ient) Salt Crust Biotic Crus	(B11) st (B12)			Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)	<u> </u>
HYDROLC Wetland Hy Primary Ind Surface High W Saturat	ydrology Indicators: icators (any one indicato e Water (A1) fater Table (A2) ion (A3)	r is suffic	ient) Salt Crust Biotic Crus Aquatic In	(B11) st (B12) vertebrates	(B13)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)	
Hydroll Wetland Hy Primary Ind Surface High W Saturat Water N Saturat	ydrology Indicators: icators (any one indicato e Water (A1) later Table (A2) ion (A3) Marks (B1) (Nonriverine	r is suffic	ient) Salt Crust Biotic Crus Aquatic In Hydrogen	(B11) st (B12) vertebrates Sulfide Odd	(B13) or (C1)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2)	

Recent Iron Reduction in Plowed Soils (C6)

Thin Muck Surface (C7)

Depth (inches):

Depth (inches):

Depth (inches):

Other (Explain in Remarks)

Remarks:

Surface Soil Cracks (B6)

Water-Stained Leaves (B9)

Field Observations:

Surface Water Present?

(includes capillary fringe)

Water Table Present?

Saturation Present?

Inundation Visible on Aerial Imagery (B7)

Yes 🔿

Yes 🔿

Yes 🔿

No 💿

No 💿

No 💿

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

 (\bullet)

No

Yes

С

Shallow Aquitard (D3)

FAC-Neutral Test (D5)

Wetland Hydrology Present?

Project/Site: Yolo Grasslands Regional	City/County: Yolo County			Sampling Date: 6-1-2010			
Applicant/Owner: Yolo County Parks an	nd Resource	es Department		State	CA	Sampling F	Point: dp3
Investigator(s): Helm and Rozumowicz	:	Section, Township,	Range: 31, To	wnship 8 No	orth, Rang	e 3 East	
Landform (hillslope, terrace, etc.): Basin I	Local relief (concav	ve, convex, none	e):convex		Slope (%): <1		
Subregion (LRR):C - Mediterranean Ca	lifornia	Lat: East	ting: 614552.1	Long: Nor	thing: 4261:	532.3	Datum: NAD83
Soil Map Unit Name: Marvin silty clay loam NWI classification: none							
Are climatic / hydrologic conditions on the	site typical fo	r this time of yea	ar? Yes 💿 🛛 N	o 🔿 🤅 (lf no	, explain in Re	emarks.)	
Are Vegetation Soil or Hydr	rology	significantly	disturbed? A	re "Normal Circ	umstances" p	resent? Ye	es 💿 🛛 No 🔿
Are Vegetation Soil or Hydr	rology	naturally prol	blematic? (I	f needed, explai	n any answer	s in Remarl	<s.)< td=""></s.)<>
SUMMARY OF FINDINGS - Atta	ch site ma	ap showing	sampling poin	t locations,	transects,	importa	nt features, etc.
Hydrophytic Vegetation Present?	Yes 🔘	No 💽					
Hydric Soil Present?	Yes 🔘	No 💿	Is the Samp	oled Area			
Wetland Hydrology Present?	within a We	tland?	Yes 🔿	No 🖲)		
Remarks:							

	Absolute	Dominant	Indicator	Dominance Test w	orkshee	et:		
Tree Stratum (Plot Size:)	% Cover	Species?	Status	Number of Dominar	nt Specie	s		(a)
1				That Are OBL, FAC	W, or ⊢A	AC:]		(A)
2				Total Number of Do	minant			
3.				Species Across All	Strata:	2	2	(B)
4				- Percent of Dominan	it Specie	S		
Sapling/Shrub Stratum (Plot Size:)	: %			That Are OBL, FAC	W, or FA	AC: 50	.0 %	(A/B)
1.				Prevalence Index v	workshe	et:		
2.				Total % Cover	of:	Multip	y by:	-
3.				OBL species		x 1 =	0	
4.				FACW species	3	x 2 =	6	
5				FAC species	45	x 3 =	135	
Total Cover:	%			FACU species	20	x 4 =	80	
Herb Stratum (Plot Size: 10 X 10)				UPL species	27	x 5 =	135	
1. Lolium multiflorum	35	Yes	FAC	Column Totals:	95	(A)	356	(B)
² . Avena fatua	10	No	Not Listed	- Brovalanco In	dox - R	/A —	2 75	
³ . Bromus hordeaceus	20	Yes	FACU		tetion In	diastera:	5.75	
4. Convolvulus arvensis	10	No	Not Listed					
⁵ . <i>Hemizonia luzulaefolia ssp. luzulaefolia</i>	10	No	FAC		st is >50;	70 0 ¹		
6. Taeniatherum caput-medusae	3	No	Not Listed		exis ≤3.0	U un a 1 (Duau data		
7. Lythrum hyssopifolia	2	No	FACW	data in Rem	arks or c	ons' (Provide on a separate	supportile sheet)	ng
8. <u>Hemizonia fitchii</u>	5	No	Not Listed	Problematic Hv	drophytic	c Vegetation	(Explain)
Woody Vine Stratum (Plot Size:)	95 %			,		3	X P	,
1				¹ Indicators of hydric be present.	c soil and	d wetland hy	drology r	nust
2				-				
l otal Cover:	%			Vegetation				
% Bare Ground in Herb Stratum 5 % % Cover	of Biotic C	Crust () %	Present?	Yes ()	No 🤇	\mathbf{D}	
Remarks: Lolium multiflorum and Hemizonia luzula	aefolia ss	sp. luzulae	efolia indic	ator status of FAC v	vas give	en by invest	tigators.	

Profile Des	cription: (Describe t	o the de	pth needed to docur	nent the	indicator	or confir	m the absence of indicators.)
Depth	Matrix		Redox	x Feature	es		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³ Remarks
0-6"	10 YR 3/2	95	10 YR 3/3	5	С	М	Clay
6-18"	10 YR 2/1	100					Clay
1							
'Type: C=0	Concentration, D=Deple res: Clay Silty Clay S	etion, RM andv Cla	I=Reduced Matrix.	² Locatio	on: PL=Por andv Loan	e Lining, F Clav Loa	RC=Root Channel, M=Matrix. ham Silty Clay Loam Silt Loam Silt Loamy Sand Sand
Hydric Soil	Indicators: (Applicable	a to all I F	Rs unless otherwise	noted)	andy Loan	i, olay 200	Indicators for Problematic Hydric Soils ⁴
				v (95)			$\square 1 \text{ cm Muck } (A9) (I BB C)$
	Fninedon (A2)			x (33) atrix (86)			$\square 2 \text{ cm Muck } (A10) (I \text{ PP B})$
	$\frac{1}{2}$			ky Minor	ol (E1)		Poducod Vortic (E18)
	$\operatorname{HSuc}(AS)$				ar (E1)		Reduced Venic (TT8)
				/ed Matr	X (FZ)		Red Parent Material (TF2)
	ed Layers (A5) (LRR C)	Depleted M	atrix (F3)		Other (Explain in Remarks)
1 cm M	luck (A9) (LRR D)		Redox Dark	Surface	e (F6)		
Deplete	ed Below Dark Surface	(A11)	Depleted D	ark Surfa	ace (F7)		
Thick D	Dark Surface (A12)		Redox Dep	ressions	(F8)		
Sandy	Mucky Mineral (S1)		Vernal Pool	s (F9)			⁴ Indicators of hydrophytic vegetation and
Sandy	Gleyed Matrix (S4)			()			wetland hydrology must be present.
Restrictive	Layer (if present):						
Type:							
Depth (ir	nches):						Hydric Soil Present? Yes O No 💿
Remarks:							
	OGY						
							Secondary Indicators (2 or more regiment)

Wetland Hydrology Indicators:	Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is sufficient)	Water Marks (B1) (Riverine)
Surface Water (A1) Salt Crust (B11)	Sediment Deposits (B2) (Riverine)
High Water Table (A2) Biotic Crust (B12)	Drift Deposits (B3) (Riverine)
Saturation (A3) Aquatic Invertebrates (B13)	Drainage Patterns (B10)
Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2)
Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Livi	ng Roots (C3) 🔲 Crayfish Burrows (C8)
Drift Deposits (B3) (Nonriverine)	Saturation Visible on Aerial Imagery (C9)
Surface Soil Cracks (B6)	Soils (C6) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7)	FAC-Neutral Test (D5)
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 No Depth (inches):	
(includes capillary fringe)	Wetland Hydrology Present? Yes () No (•
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	ctions), if available:
Remarks:	

Project/Site: Yolo Grasslands Regional Park	City/County: Yolo	County	Sampling	Date: 6-1-2010
Applicant/Owner: Yolo County Parks and Resources De	epartment	State:CA	Sampling	Point: dp4
Investigator(s): Helm and Rozumowicz	Section, Township,	Range: 31, Township 8	North, Ran	ge 3 East
Landform (hillslope, terrace, etc.): Basin Rim	Local relief (conca	ve, convex, none): concav	e	Slope (%): <1
Subregion (LRR):C - Mediterranean California	Lat: Easting: 614552.1	Long: Northing: 420	51532.3	Datum: NAD83
Soil Map Unit Name: Marvin silty clay loam		NWI classi	fication: non	e
Are climatic / hydrologic conditions on the site typical for this	time of year? Yes 💿 🛛 N	o (If no, explain in	Remarks.)	
Are Vegetation Soil or Hydrology si	gnificantly disturbed? A	re "Normal Circumstances	" present?	res 💿 🛛 No 🔿
Are Vegetation Soil or Hydrology na	aturally problematic? (I	lf needed, explain any ansv	vers in Rema	rks.)
SUMMARY OF FINDINGS - Attach site map s	howing sampling poin	t locations, transect	s, importa	ant features, etc.
Hydrophytic Vegetation Present? Yes (No				
Hydric Soil Present? Yes Ves No	Is the Samp	oled Area		
Wetland Hydrology Present? Yes 💿 No	🔍 💿 🚽 within a We	etland? Yes () No (

within a Wetland?

Wetland Hydrology Present?
Remarks:

	Absolute	Dominant	Indicator	Dominance Test w	orkshee	et:		
Tree Stratum (Plot Size:)	% Cover	Species?	Status	Number of Dominar	nt Specie	s		(•)
1				- I nat Are OBL, FAC	VV, or FA			(A)
2				Total Number of Do	minant			
3.				Species Across All	Strata:	1		(B)
4				Percent of Dominar	it Specie	S		
Sapling/Shrub Stratum (Plot Size:)	: %			That Are OBL, FAC	W, or FA	AC: 100).0 %	(A/B)
1.				Prevalence Index v	vorkshe	et:		
2.				Total % Cover	of:	Multipl	y by:	
3.				OBL species		x 1 =	0	
4.				FACW species	2	x 2 =	4	
5.				FAC species	85	x 3 =	255	
Total Cover	%			FACU species	10	x 4 =	40	
Herb Stratum (Plot Size: 10' x 10')				UPL species		x 5 =	0	
1. Lolium multiflorum	70	Yes	FAC	Column Totals:	97	(A)	299	(B)
 Eryngium vaseyi var. vaseyi 	2	No	FACW					
^{3.} Bromus hordeaceus	10	No	FACU	Prevalence In	dex = B/	/A =	3.08	
4. Hordeum marinum ssp. gussoneanum	10	No	FAC	Hydrophytic Veget	ation In	dicators:		
5. Hemizonia luzulaefolia ssp. luzulaefolia	5	No	FAC	Dominance Tes	st is >509	%		
6. Convolvulus arvensis	3	No	Not Listed	Prevalence Ind	ex is ≤3.	0 ¹		
7.				Morphological /	Adaptatic	ons ¹ (Provide	supporti	ng
8.					diks of u		(Evalaia	`
Total Cover Woody Vine Stratum (Plot Size:)	100%				arophytic	c vegetation	(Explain)
1.				¹ Indicators of hydrid	soil an	d wetland hy	drology r	nust
2.				be present.				
Total Cover	%			Hydrophytic				
% Bare Ground in Herb Stratum0 % Cover	of Biotic C	Crust () %	Vegetation Present?	Yes 💿	No		
Remarks: Lolium multiflorum and Hemizonia luzul	aefolia ss	p. luzulae	efolia indic	ator status of FAC w	vas give	en by invest	igators.	

Profile Des	scription: (Describe t	o the de	pth needed to docun	nent the	e indicator	or confir	rm the absence of indicators.)		
Depth Matrix Redox Features									
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³ Remarks		
0-5"	10 YR 3/2	94	10 YR 3/3	6	C	М	Clay		
5-18"	10 YR 2/1	80	10 YR 3/3	20	C	M	Clay		
¹ Type: C=0	Concentration, D=Depl	etion, RM	/=Reduced Matrix.	² Locatio	on: PL=Por	e Lining, F	RC=Root Channel, M=Matrix.		
³ Soil Textur	es: Clay, Silty Clay, S	andy Cla	y, Loam, Sandy Clay	Loam, S	Sandy Loan	n, Clay Lo	bam, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, Sa	nd.	
Hydric Soil	Indicators: (Applicable	e to all L	RRs, unless otherwise	noted.)			Indicators for Problematic Hydric Soils:		
	DI (A1) Eninadan (A2)		Sandy Redox	(S5) triv (S6)	`		1 cm Muck (A9) (LRR C)		
	Lippedon (AZ)			uix (So) rol (E1)		Reduced Vertic (F18)		
	$\operatorname{Histic}(A3)$				iar (F1)				
	jeri Suilide (A4)		Loarny Gley		IX (FZ)		Coth an (Fundain in Demondue)		
	ed Layers (A5) (LRR C	.)		aurix (Fo) - (FC)				
		(Redox Dark	Surface	е (но)				
Deplete	ed Below Dark Surface	e (A11)	Depleted Da	ark Surfa	ace (F7)				
Thick L	Dark Surface (A12)		X Redox Depr	essions	s (F8)		4		
Sandy	Mucky Mineral (S1)		Vernal Pools	s (F9)			⁴ Indicators of hydrophytic vegetation and		
Sandy	Gleyed Matrix (S4)						wetland hydrology must be present.		
Restrictive	Layer (if present):								
Type:									
Depth (ii	nches):						Hydric Soil Present? Yes No		
Remarks:									
HYDROLO	DGY								
Wetland H	ydrology Indicators:						Secondary Indicators (2 or more required)		
Primary Ind	licators (any one indica	ator is su	fficient)				Water Marks (B1) (Riverine)		
Surface Water (A1) Salt Crust (B11) Sediment Deposits (B2) (Riverin						Sediment Deposits (B2) (Riverine)			

Fillinally indicators (any one						Water Marks (DT) (INVertine)
Surface Water (A1)			Salt Crust (B11)		\Box	Sediment Deposits (B2) (Riverine)
High Water Table (A2)			Biotic Crust (B12)		\Box	Drift Deposits (B3) (Riverine)
Saturation (A3)			Aquatic Invertebrates (B13)		X	Drainage Patterns (B10)
Water Marks (B1) (Non	riverine)		Hydrogen Sulfide Odor (C1)		$\overline{\mathbf{X}}$	Dry-Season Water Table (C2)
Sediment Deposits (B2)	(Nonriverine	e) 🗌	Oxidized Rhizospheres along L	iving Roots (C3))	Crayfish Burrows (C8)
Drift Deposits (B3) (Non	riverine)		Presence of Reduced Iron (C4)		Ē	Saturation Visible on Aerial Imagery (C9)
Surface Soil Cracks (B6)		Recent Iron Reduction in Plowe	d Soils (C6)	П	Shallow Aquitard (D3)
X Inundation Visible on Ae	rial Imagery	(B7)	Thin Muck Surface (C7)		П	FAC-Neutral Test (D5)
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):			Barrow to Mar O Mar O
(includes capillary fringe)				wetland Hy	aroid	bgy Present? Yes (• No ()
Describe Recorded Data (sti	eam gauge,	monitoring	well, aerial photos, previous insp	ections), if availa	able:	
Remarks: Dry-season wate	er table obse	erve in ne	arby soil pit.			

Project/Site: Yolo Grasslands Regional Park	City/County: Yolo C	ounty	Sampling	Date: 6-1-2010
Applicant/Owner: Yolo County Parks and Resources Departme	ent	State:CA	Sampling	Point: dp5
Investigator(s): Helm and Rozumowicz	Section, Township, F	Range: 31, Township 8	North, Ran	nge 3 East
Landform (hillslope, terrace, etc.): Basin Rim	Local relief (concave	e, convex, none): concav	ve .	Slope (%): <1
Subregion (LRR):C - Mediterranean California Lat: Ea	asting: 614552.1	Long: Northing: 42	61532.3	Datum: NAD83
Soil Map Unit Name: Marvin silty clay loam		NWI class	ification: non	e
Are climatic / hydrologic conditions on the site typical for this time of y	year? Yes 💿 🛛 No	(If no, explain in	Remarks.)	
Are Vegetation Soil or Hydrology significant	ly disturbed? Are	e "Normal Circumstances	" present?	Yes 💿 No 🔿
Are Vegetation Soil or Hydrology naturally p	problematic? (If	needed, explain any ans	wers in Rema	arks.)
SUMMARY OF FINDINGS - Attach site map showing	g sampling point	locations, transect	s, import	ant features, etc.
Hydrophytic Vegetation Present? Yes No No				

riyaropriyao vegetation riesent.					
Hydric Soil Present?	Yes 💽	No 💿	Is the Sampled Area		
Wetland Hydrology Present?	Yes 💽	No 🌀	within a Wetland?	Yes 💿	No 🔿
Remarks:					

	Absolute	Dominant	Indicator	Dominance Test w	orkshee	t:		
Tree Stratum (Plot Size:)	% Cover	Species?	Status	Number of Dominar	nt Specie	s	•	(•)
1				- That Are OBL, FAC	vv, or ⊢A	.C:	3	(A)
2		·		_ Total Number of Do	minant			
3				Species Across All	Strata:		3	(B)
4				 Percent of Dominar 	nt Specie	S		
Sapling/Shrub Stratum (Plot Size:)	: %			That Are OBL, FAC	W, or FA	.C: 10	0.0%	(A/B)
1.				Prevalence Index	workshe	et:		
2.				Total % Cover	of:	Multip	oly by:	_
3.				OBL species	20	x 1 =	20	
4.				FACW species	38	x 2 =	76	
5.				FAC species	30	x 3 =	90	
Total Cover	%			FACU species		x 4 =	0	
Herb Stratum (Plot Size: 10 X 10)				UPL species	2	x 5 =	10	
1. Lolium multiflorum	30	Yes	FAC	Column Totals:	90	(A)	196	(B)
² . Eryngium vaseyi var. vaseyi	15	Yes	FACW		day - D	· -	2 10	
3. Hemizonia fitchii	2	No	Not Listed	Prevalence in		A =	2.18	
4. Lythrum hyssopifolia	15	Yes	FACW	Hydrophytic Vege	tation In	dicators:		
5. Downingia insignis	10	No	OBL	X Dominance Te	st is >50%	%		
6. Navarretia leucocephala ssp. leucocephala	8	No	OBL	Prevalence Ind	ex is ≤3.()'		
7. Deschampsia danthanoides	7	No	FACW	Morphological /	Adaptatio	ons' (Provid In a senarat	e support e sheet)	ng
8. Veronica peregrina ssp. xalapensis	3	No	OBL		dronhytic		¹ (Explair	n)
Total Cover Woody Vine Stratum (Plot Size:)	90 %				arophytic	vegetation		.,
1.				¹ Indicators of hydri	c soil and	d wetland h	ydrology	must
2.				be present.				
Total Cover	%			Hydrophytic				
% Bare Ground in Herb Stratum 10% % Cover	of Biotic C	Crust0) %	Present?	Yes 🖲	No (D	
Remarks: Lolium multiflorum status of FAC was gi	ven by ir	vestigator	s.					

Profile Des	cription: (Describe to	o the de	pth needed to do	cument the	indicator	or confir	rm the absence of indicators.)			
Depth	Matrix		Re	dox Feature	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³ Remarks			
0-6"	10 YR 4/1	95	10 YR 4/3	5	<u>C</u>	M	Clay			
6-18"	10 YR 3/1	80	10 YR 3/2	20	<u>C</u>	M	Silt Clay			
¹ Type: C=C	Concentration, D=Deple	etion, RM	Reduced Matrix.	² Locatio	n: PL=Por	e Lining, F	RC=Root Channel, M=Matrix.			
³ Soil Textur	es: Clay, Silty Clay, S	andy Cla	y, Loam, Sandy C	lay Loam, S	andy Loan	n, Clay Lo	bam, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, Sand.			
Hydric Soil	Indicators: (Applicable	e to all LF	RRs, unless otherw	/ise noted.)			Indicators for Problematic Hydric Soils:			
Histosc	ol (A1)		Sandy Re	edox (S5)			1 cm Muck (A9) (LRR C)			
Histic E	pipedon (A2)		Stripped	Matrix (S6)			2 cm Muck (A10) (LRR B)			
Black Histic (A3)					al (F1)		Reduced Vertic (F18)			
Hydrog	en Sulfide (A4)		Loamy C	Bleyed Matri	ix (F2)		Red Parent Material (TF2)			
Stratifie	ed Layers (A5) (LRR C)	Depleted	d Matrix (F3)		Other (Explain in Remarks)			
1 cm M	uck (A9) (LRR D)		Redox D	ark Surface	e (F6)					
Deplete	ed Below Dark Surface	(A11)	Depleted	d Dark Surfa	ace (F7)					
Thick D	ark Surface (A12)		Redox D	epressions	(F8)					
Sandy	Mucky Mineral (S1)		🗙 Vernal P	ools (F9)			⁴ Indicators of hydrophytic vegetation and			
Sandy	Gleyed Matrix (S4)						wetland hydrology must be present.			
Restrictive	Layer (if present):									
Type:										
Depth (Ir	icnes):						Hydric Soll Present? Yes No			
Remarks:										
HYDROLO	DGY									
Wetland Hy	drology Indicators:						Secondary Indicators (2 or more required)			
Primary Indicators (any one indicator is sufficient)						Water Marks (B1) (Riverine)				
Surface Water (A1)						Sediment Deposits (B2) (Riverine)				

Wetland Hydrology Indicators:		Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is sufficient)		Water Marks (B1) (Riverine)
Surface Water (A1)	Salt Crust (B11)	Sediment Deposits (B2) (Riverine)
High Water Table (A2)	Biotic Crust (B12)	Drift Deposits (B3) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	X Drainage Patterns (B10)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	X Dry-Season Water Table (C2)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along Livi	ng Roots (C3) Crayfish Burrows (C8)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Saturation Visible on Aerial Imagery (C9)
Surface Soil Cracks (B6)	Recent Iron Reduction in Plowed	Soils (C6) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	
Field Observations:		
Surface Water Present? Yes O No 💿	Depth (inches):	
Water Table Present? Yes O No 💿	Depth (inches):	
Saturation Present? Yes No (includes capillary fringe)	Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring	g well, aerial photos, previous inspec	tions), if available:
Remarks: Dry-season water table observe in no	earby soil pit.	
	•	
US Army Corps of Engineers		

Project/Site: Yolo Grasslands Regional Park	City/County: Yol	o County	Sampling	Date: 6-1-2010
Applicant/Owner: Yolo County Parks and Resources D	Department	State:CA	Sampling	Point: dp6
Investigator(s): Helm and Rozumowicz	Section, Townshi	ip, Range: 31, Township 8	North, Ran	ige 3 East
Landform (hillslope, terrace, etc.): Basin	Local relief (cond	cave, convex, none): concav	/e	Slope (%): <1
Subregion (LRR): C - Mediterranean California	Lat: Easting: 614552.1	Long: Northing: 42	61532.3	Datum: NAD83
Soil Map Unit Name: Pescadero silty clay		NWI class	ification: non	e
Are climatic / hydrologic conditions on the site typical for thi	s time of year? Yes 💿	No (If no, explain in	Remarks.)	
Are Vegetation Soil or Hydrology	significantly disturbed?	Are "Normal Circumstances	" present?	Yes 💿 No 🔿
Are Vegetation Soil or Hydrology	naturally problematic?	(If needed, explain any ans	wers in Rema	arks.)
SUMMARY OF FINDINGS - Attach site map	showing sampling po	int locations, transect	ts, importa	ant features, etc.
Hydrophytic Vegetation Present? Yes 💿 N	lo 🔘			
Hydric Soil Present? Yes 🝙 N	lo 🦳 🕴 Is the Sar	npled Area		

Wetland Hydrology Present?	Yes 💿	No 🔵	within a Wetland?	Yes 💿	No 🔿
Remarks:			·		

	Absolute	Dominant	Indicator	Dominance Test v	vorkshee	t:		
Tree Stratum (Plot Size:)	% Cover	Species?	Status	Number of Domina	nt Specie	s		
1				That Are OBL, FAC	CW, or FA	C:	2	(A)
2		-		Total Number of Do	ominant			
3.				Species Across All	Strata:		3	(B)
4.				- Dereent of Demine	nt Crocio			
Total Cove	r: %			That Are OBL. FAC	CW. or FA	s C:	667%	(A/B)
Sapling/Shrub Stratum (Plot Size:)				,	,		00.7 /0	()
1.				Prevalence Index	workshe	et:		
2.				Total % Cover	of:	Mu	ultiply by:	_
3.				OBL species		x 1 =	0	
4.				FACW species	5	x 2 =	10	
5.				FAC species	60	x 3 =	180	
Total Cover	. %			FACU species	25	x 4 =	100	
Herb Stratum (Plot Size: <u>10' x 10'</u>)				UPL species		x 5 =	0	
1. Lolium multiflorum	30	Yes	FAC	Column Totals:	90	(A)	290	(B)
² . Hordeum marinum ssp. gussoneanum	30	Yes	FAC					
^{3.} Rumex crispus	2	No	FACW	Prevalence Ir	1 dex = B/	A =	3.22	
4. Eryngium vaseyi var. vaseyi	3	No	FACW	Hydrophytic Vege	etation Inc	dicators		
5. Bromus hordeaceus	25	Yes	FACU	X Dominance Te	st is >50%	6		
6.				Prevalence Inc	lex is ≤3.0	O^1		
7.				Morphological	Adaptatio	ons ¹ (Prov	vide support	ing
8.					larks or o	n a sepa	rate sneet)	
Total Cover	90 %				yaropnytic	c vegetai	tion (Explai	1)
Woody Vine Stratum (Plot Size:)	,,,,,			1				
1				Indicators of hydri	ic soil and	d wetland	d hydrology	must
2								
Total Cover	: %			Hydrophytic				
% Bare Ground in Herb Stratum 10% % Cover	of Biotic C	Crust 0	%	Vegetation Present?	Yes 🖲	N	• ()	
Remarks: Lolium multiflorum indicator status of FA	AC was g	iven by in	vestigators					
	_	-	-					

Profile Des	cription: (Describe t	to the de	pth needed to docum	ent the	e indicator	or confir	rm the absence of indicators.)		
Depth	Matrix		Redox	Feature	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³ Remarks		
0-1"	10 YR 2/1	100					Clay		
1-12+"	10 YR 4/1	60	10 YR 3/2	40	С	PL	Silt Clay		
						·			
¹ Type: C=C	oncentration, D=Depl	etion, RN	1=Reduced Matrix.	² Locatio	on: PL=Por	e Lining, F	RC=Root Channel, M=Matrix.		
[°] Soil Texture	es: Clay, Silty Clay, S	Sandy Cla	y, Loam, Sandy Clay I	_oam, S	andy Loam	n, Clay Lo	bam, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, Sand.		
Hydric Soil I	ndicators: (Applicabl	e to all Ll	RRs, unless otherwise	noted.)			Indicators for Problematic Hydric Soils:		
	ninedon (A2)		Sandy Redox	(55) triv (96)			$\square 2 \text{ cm Muck } (A9) (LRR C)$		
Black H	listic (A3)			w Mine	ral (F1)				
	an Sulfide (ΔA)			ed Matr	ix (F2)		Red Parent Material (TE2)		
	d Lavers (A5) (I RR C	•)		atrix (F3)		Other (Explain in Remarks)		
	uck (A9) (I RR D)	•)	Redox Dark	Surface	/ e (F6)				
	d Below Dark Surface	e (A11)		rk Surfa	ace (F7)				
	ark Surface (A12)	,,,,,,,		essions	(F8)				
	Mucky Mineral (S1)		Vernal Pools	s (F9)	(10)		⁴ Indicators of hydrophytic vegetation and		
Sandy (Gleyed Matrix (S4)			, (1 0)			Indicators of hydrophytic vegetation and wetland hydrology must be present.		
Restrictive	Layer (if present):								
Type:									
Depth (in	iches):						Hydric Soil Present? Yes 💿 No 🔿		
Remarks:									
HYDROLC	J GY								
Wetland Hy	drology Indicators:						Secondary Indicators (2 or more required)		
Primary Indi	cators (any one indica	ator is su	ficient)				Water Marks (B1) (Riverine)		

Primary indicators (any one indicator	r is sufficient)				water Marks (BT) (Riverine)
Surface Water (A1)		Salt Crust (B11)			Sediment Deposits (B2) (Riverine)
High Water Table (A2)		Biotic Crust (B12)			Drift Deposits (B3) (Riverine)
Saturation (A3)		Aquatic Invertebrates (B13)			Drainage Patterns (B10)
Water Marks (B1) (Nonriverine)) 🗍	Hydrogen Sulfide Odor (C1)			Dry-Season Water Table (C2)
Sediment Deposits (B2) (Nonriv	iving Roots (C3)		Crayfish Burrows (C8)		
Drift Deposits (B3) (Nonriverine)		Saturation Visible on Aerial Imagery (C9)		
Surface Soil Cracks (B6)		Recent Iron Reduction in Plow	ed Soils (C6)		Shallow Aquitard (D3)
x Inundation Visible on Aerial Ima	gery (B7)	Thin Muck Surface (C7)			FAC-Neutral Test (D5)
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 (includes capillary fringe)	○ No ●	Depth (inches):	Wetland Hyd	drol	ogy Present? Yes 💿 No 🔿
Describe Recorded Data (stream ga	uge, monitoring	well, aerial photos, previous insp	pections), if availa	able:	
Remarks:					

Project/Site: Yolo Grasslands Region		City/County: Yolo (County	Sampl	Sampling Date: 6-1-2010		
Applicant/Owner: Yolo County Parks	and Resource	es Departmer	nt	State:C	A Sampl	ling Point: dp7	
Investigator(s): Helm and Rozumowi	cz		Section, Township,	Range: 31, Towr	ship 8 North, F	Range 3 East	
Landform (hillslope, terrace, etc.): Basin	ı		Local relief (concave, convex, none): convex Slope (%):				
Subregion (LRR): C - Mediterranean C	California	Lat: Ea	- sting: 614552.1	Long: Northi	ng: 4261532.3	Datum: NAD83	
Soil Map Unit Name: Pescadero silty	clay			NV	/I classification: n	none	
Are climatic / hydrologic conditions on th	ne site typical fo	r this time of y	rear? Yes 💿 🛛 No	o (If no, ex	plain in Remarks	s.)	
Are Vegetation Soil or H	ydrology	significantly	y disturbed? A	re "Normal Circum	stances" present'	? Yes 💿 🛛 No 🔿	
Are Vegetation Soil or H	ydrology	naturally pr	roblematic? (If	f needed, explain a	ny answers in Re	emarks.)	
SUMMARY OF FINDINGS - At	tach site ma	ap showing	g sampling point	t locations, tra	nsects, impo	ortant features, etc.	
Hydrophytic Vegetation Present?	Yes 🔘	No 💿					
Hydric Soil Present?	Yes 🔘	No 💿	Is the Samp	led Area			
Wetland Hydrology Present?	Yes 🕥	No 💿	within a We	tland?	Yes 🔿 N	• •	
Remarks:							

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot Size:)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: () (A)
2				Total Number of Dominant
3	·			_ Species Across All Strata: 2 (B)
4				 Percent of Dominant Species
Sapling/Shrub Stratum (Plot Size:)	r: %			That Are OBL, FACW, or FAC: 0.0% (A/B)
1.				Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3.				OBL species x 1 = 0
4.				FACW species x 2 = 0
5.				FAC species $30 \times 3 = 90$
Total Cover	. %			FACU species 45 x 4 = 180
Herb Stratum (Plot Size: 10' x 10')				UPL species 25 x 5 = 125
1. Bromus hordeaceus	45	Yes	FACU	Column Totals: 100 (A) 395 (B
² . Hordeum marinum ssp. gussoneanum	15	No	FAC	Provolonce Index = P/A = 2.05
³ . Avena fatua	25	Yes	Not Listed	Hudrenbutie Veretetien Indicatore:
4. Lolium multiflorum	10	No	FAC	Hydrophytic vegetation indicators:
5. Lactuca serriola	5	No	FAC	Dominance Test is >50%
6				Prevalence index is \$3.0
7				data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation ¹ (Explain)
Total Cover	100%			
				¹ Indicators of hydric soil and wetland hydrology must
2				be present.
Z	. 0/2			
	. /0			Vegetation
% Bare Ground in Herb Stratum 10 % % Cover	of Biotic C	Crust () %	Present? Yes () No (•
Remarks: Lolium multiflorum indicator status of FA	AC was g	iven by in	vestigators	S.

Profile Des	cription: (Describe to	o the dep	oth needed to docum	ent the	indicator	or confiri	m the absence of indicators.)
Depth	Matrix		Redox	Feature	es Turra 1	1.2.2	Tautura ³ Demodus
(incnes)		<u>%</u>		<u>%</u>	iype ·		
0-14+"	<u>10 YR 3/1</u>	50	<u>10 YR 3/2</u>	50	C	<u>M</u>	Silty Clay
							·
						·	
					·		·
1				2		· <u> </u>	
³ Soil Toxtur	Concentration, D=Deple	etion, RM	=Reduced Matrix.	Locatio	on: PL=Por	e Lining, F	RC=Root Channel, M=Matrix.
	Indicators: (Applicable		Ps unloss otherwise	noted)	anuy Luan	i, Clay Luc	Indicators for Problematic Hydric Soils
Histosc	(A1)		Sandy Redox	(S5)			\square 1 cm Muck (A9) (LRR C)
Histic E	Epipedon (A2)		Stripped Ma	trix (S6)			\square 2 cm Muck (A10) (LRR B)
Black H	listic (A3)		Loamy Muck	y Miner	al (F1)		Reduced Vertic (F18)
Hydrog	en Sulfide (A4)		Loamy Gley	ed Matri	x (F2)		Red Parent Material (TF2)
Stratifie	ed Layers (A5) (LRR C)	Depleted Ma	atrix (F3))		Other (Explain in Remarks)
1 cm M	luck (A9) (LRR D)		Redox Dark	Surface	e (F6)		
Deplete	ed Below Dark Surface	(A11)	Depleted Da	rk Surfa	ace (F7)		
Thick D	Dark Surface (A12)		Redox Depr	essions	(F8)		
Sandy	Mucky Mineral (S1)		Vernal Pools	s (F9)			⁴ Indicators of hydrophytic vegetation and
Sandy	Gleyed Matrix (S4)						wetland hydrology must be present.
Restrictive	Layer (if present):						
Type:							
Depth (ir	nches):						Hydric Soil Present? Yes 🔿 No 💿
Remarks:							
HYDROLU	JGY						
Wetland Hy	vdrology Indicators:						Secondary Indicators (2 or more required)
Primary Ind	icators (any one indica	tor is suff	ïcient)				Water Marks (B1) (Riverine)
Surface	e Water (A1)		Salt Crust (B11)			Sediment Deposits (B2) (Riverine)
High W	/ater Table (A2)		Biotic Crus	t (B12)			Drift Deposits (B3) (Riverine)
Saturat	tion (A3)		Aquatic Inv	ertebrat	es (B13)		Drainage Patterns (B10)
Water I	Marks (B1) (Nonriverir	ne)	Hydrogen S	Sulfide C	Ddor (C1)		Dry-Season Water Table (C2)

Wetland Hydrology Indicators:	Secondary Indicators (2 or more required)			
Primary Indicators (any one indicator is sufficient)	Water Marks (B1) (Riverine)			
Surface Water (A1) Salt Crust (B11)	Sediment Deposits (B2) (Riverine)			
High Water Table (A2) Biotic Crust (B12)	Drift Deposits (B3) (Riverine)			
Saturation (A3) Aquatic Invertebrates (B13)	Drainage Patterns (B10)			
Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2)			
Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Crayfish Burrows (C8)			
Drift Deposits (B3) (Nonriverine)	Saturation Visible on Aerial Imagery (C9)			
Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6)	Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7)	FAC-Neutral Test (D5)			
Water-Stained Leaves (B9) Other (Explain in Remarks)	_			
Field Observations:				
Surface Water Present? Yes No No Depth (inches):				
Water Table Present? Yes No No Depth (inches):				
Saturation Present? Yes No Depth (inches):				
(includes capillary fringe) Wetland H	ydrology Present? Yes () No (●			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if avail				
Remarks:				

Project/Site: Yolo Grasslands Regional Park		City/County: Yold	Sampling Date: 6-1-2010			
Applicant/Owner: Yolo County Parks and Res	ources Departmen	t	State:CA	Sampling	g Point: dp8	
Investigator(s): Helm and Rozumowicz		Section, Township	o, Range: 31, Township 8	North, Rai	nge 3 East	
Landform (hillslope, terrace, etc.): Basin		Local relief (concave, convex, none): concave Slope (%)				
Subregion (LRR):C - Mediterranean California Lat: Easting: 614552.1 Long: Northing: 4261532.3 Datum						NAD83
Soil Map Unit Name: Pescadero silty clay			NWI classi	fication: nor	ne	
Are climatic / hydrologic conditions on the site typi	ical for this time of ye	ear?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 pro	oblematic?	(If needed, explain any answ	vers in Rem	arks.)	
SUMMARY OF FINDINGS - Attach sit	e map showing	sampling poi	nt locations, transect	s, import	ant featu	res, etc.
Hydrophytic Vegetation Present? Yes	No No					
Hvdric Soil Present? Yes	No 🕥	Is the Sam	nled Area			

Hydric Soil Present?	Yes 💽	No 🔘	Is the Sampled Area			
Wetland Hydrology Present?	Yes 💽	No 🔘	within a Wetland?	Yes 🖲)	No 🔿
Remarks:						

	Absolute	Dominant	Indicator	Dominance Test worksho	eet:		
Iree Stratum (Plot Size:)	% Cover	Species?	Status	Number of Dominant Spec	ies		
1			·	That Are OBL, FACW, or F -	AC:	3	(A)
2				Total Number of Dominant			
3				Species Across All Strata:		3	(B)
4.				Percent of Dominant Spec	ies		
Sapling/Shrub Stratum (Plot Size:)	r: %			That Are OBL, FACW, or F	00.0 %	(A/B)	
1.				Prevalence Index worksh	eet:		
2.				Total % Cover of:	Mul	tiply by:	
3.		·		OBL species 33	x 1 =	33	
4.				FACW species 30	x 2 =	60	
5				FAC species 17	x 3 =	51	
Total Cover	. 0/0			FACU species	x 4 =	0	
Herb Stratum (Plot Size: 10' x10')	. 70			UPL species	x 5 =	0	
1. Eryngium vaseyi var. vaseyi	30	Yes	FACW	Column Totals: 80	(A)	144	(B)
2. Hordeum marinum ssp. gussoneanum	15	Yes	FAC				
3. Lasthenia glaberrima	5	No	OBL	Prevalence Index =	B/A =	1.80	
4. Plagiobothrys stipitatus	5	No	OBL	Hydrophytic Vegetation	ndicators:		
5. Psilocarphus brevissimus var. brevissimus	5	No	OBL	Dominance Test is >5	0%		
6. Lolium multiflorum	15	Yes	FAC	Frevalence Index is ≤	3.0 ¹		
7. Veronica peregrina ssp. xalapensis	3	No	OBL	Morphological Adapta	tions ¹ (Provi	de support	ing
8. Downingia insignis	2	No	OBL	data in Remarks or	on a separ	ate sheet)	
Woody Vine Stratum (Plot Size:)	80 %			- Problematic Hydrophy	tic Vegetation	on' (Explai	ר)
1.				¹ Indicators of hydric soil a	nd wetland	hydrology	must
2.				be present.			
Total Cover	: %			Hydrophytic			
% Bare Ground in Herb Stratum% % Cover	of Biotic C	Crust () %	Present? Yes (No No	0	
Remarks: Lolium multiflorum indicator status of FA	AC was g	iven by in	vestigators	·			

Profile Des	cription: (Describe	to the depth	needed to docur	nent the	indicator	or confirm	n the absence of indicators.)
Depth	Matrix		Redo	x Features	S		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³ Remarks
0-14+"	10 YR 4/1	100					Silty Clay
		·					
		·					
$\frac{1}{1}$ Type: C=C	Concentration D-Den	letion RM-R	duced Matrix	² L ocation		Lining P(
³ Soil Textur	es: Clay Silty Clay	Sandy Clay L	am Sandy Clay	Location	ndy Loam	Clay Loai	m Silty Clay Loam Silt Loam Silt Loamy Sand Sand
Hydric Soil	Indicators: (Applicab	le to all I RRs	unless otherwise	noted)		, olay Loai	Indicators for Problematic Hydric Soils ⁴
Histoso	l (A1)	io to un Linto,	Sandy Redo	x (S5)			\square 1 cm Muck (A9) (LRR C)
Histic E	Epipedon (A2)		Stripped Ma	atrix (S6)			2 cm Muck (A10) (LRR B)
Black H	listic (A3)		Loamy Muc	ky Minera	al (F1)		Reduced Vertic (F18)
Hydrog	en Sulfide (A4)		Loamy Gley	yed Matrix	(F2)		Red Parent Material (TF2)
Stratifie	ed Layers (A5) (LRR (C)	Depleted M	atrix (F3)			Other (Explain in Remarks)
1 cm M	uck (A9) (LRR D)		Redox Dark	Surface	(F6)		
	ed Below Dark Surface	e (A11)	Depleted Da	ark Surfac	ce (F7)		
	Dark Surface (A12)			ressions (F8)		
Sandy	Mucky Mineral (S1)		X Vernal Pool	ls (F9)			Indicators of hydrophytic vegetation and
Destrictive	Gleyed Matrix (54)						
Turner	Layer (if present):						
Type:							
Depth (ir	nches):						Hydric Soil Present? Yes (•) No ()
Remarks:							
)GY						
Wetland L							Secondary Indicators (2 or more required)
	anology mulcators.	otor io oufficio	.4)				Water Marka (P1) (Bivarina)
	icators (any one indic	ator is sufficie		(544)			
	e Water (A1)		Salt Crust	(B11)			Sediment Deposits (B2) (Riverine)
	ater Table (A2)			st (B12)			Drift Deposits (B3) (Riverine)
	ion (A3)	• 、		vertebrate	es (B13)		Drainage Patterns (B10)
	viarks (B1) (Nonriver	ine)	Hydrogen	Sulfide O	aor (C1)		Ury-Season Water Table (C2)
Sedime	ent Deposits (B2) (No i	nriverine)	Oxidized F	≺hizosphe	eres along	Living Roo	ots (C3) Crayfish Burrows (C8)

Presence of Reduced Iron (C4)

Thin Muck Surface (C7)

Depth (inches):

Depth (inches):

Depth (inches):

Other (Explain in Remarks)

Recent Iron Reduction in Plowed Soils (C6)

Remarks:

X

Drift Deposits (B3) (Nonriverine)

Inundation Visible on Aerial Imagery (B7)

Yes 🔿

Yes 🔿

Yes 🔿

No 💿

No 🜔

No 💿

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

X Surface Soil Cracks (B6)

Field Observations: Surface Water Present?

Water Table Present?

(includes capillary fringe)

Saturation Present?

Water-Stained Leaves (B9)

 \bullet

Yes

 \bigcirc

No

Saturation Visible on Aerial Imagery (C9)

Shallow Aquitard (D3)

FAC-Neutral Test (D5)

Wetland Hydrology Present?

Project/Site: Yolo Grasslands Regional Park	City/County: Yolo	County	Sampling Date: 6-1-2010	
Applicant/Owner: Yolo County Parks and Resources Depa	artment	State:CA	Sampling P	oint: dp9
Investigator(s): Helm and Rozumowicz	Section, Township	, Range: 31, Township 8	North, Rang	e 3 East
Landform (hillslope, terrace, etc.): Basin	Local relief (conca	ave, convex, none): concav	e	Slope (%): <1
Subregion (LRR):C - Mediterranean California	Lat: Easting: 614552.1	Long: Northing: 420	51532.3	Datum: NAD83
Soil Map Unit Name: Pescadero silty clay		NWI classi	fication: none	
Are climatic / hydrologic conditions on the site typical for this tir	ne of year? Yes 💿 🛛 N	No 🔿 (If no, explain in	Remarks.)	
Are Vegetation Soil or Hydrology sign	ificantly disturbed?	Are "Normal Circumstances	" present? Ye	es 💿 🛛 No 🔿
Are Vegetation Soil or Hydrology natu	ırally problematic? (If needed, explain any answ	vers in Remark	(s.)
SUMMARY OF FINDINGS - Attach site map she	owing sampling poir	nt locations, transect	s, importar	nt features, etc.
Hydrophytic Vegetation Present? Yes 💿 No (
Hydric Soil Present? Yes 💿 No (Is the Sam	pled Area		

Hydric Soil Present?	Yes 💽	No 🔘	Is the Sampled Area		
Wetland Hydrology Present?	Yes 🜘	No 💿	within a Wetland?	Yes 💿	No 🔿
Remarks:					

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot Size:)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4				 Percent of Dominant Species
Conling/Chrish Stratum (Diet Size)	r: %			That Are OBL, FACW, or FAC: 66.7 % (A/B)
Saping/Shrub Stratum (Plot Size)				Provolonce Index worksheet
1.				Total % Cover of:
2				
3.				
4.				FACW species $x 2 = 0$
5				FAC species $75 \times 3 = 225$
Total Cover	: %			FACU species $20 \times 4 = 80$
	4.5	V		UPL species $5 \times 5 = 25$
Lolium multiflorum	45	$\frac{\text{Y es}}{\text{W}}$	FAC	Column Totals: 100 (A) 330 (B)
2. Hordeum marinum ssp. gussoneanum	30	Yes	FAC	- Prevalence Index = $B/A = -3.30$
³ . Bromus hordeaceus	20	Yes	FACU	Hydrophytic Vogetation Indicators:
4. Hemizonia fitchii	5	No	Not Listed	
^{5.} Lactuca serriola	trace	No	Not Listed	Dominiance rest is >50%
6				Prevalence index is ≤3.0
7				data in Remarks or on a separate sheet)
8				Problematic Hydrophytic Vegetation ¹ (Explain)
Total Cover	· 100%			
				¹ Indicators of hydric soil and wetland hydrology must
1				be present.
Z				- Hydrophytic
	: %			Vegetation
% Bare Ground in Herb Stratum% Cover	of Biotic C	Crust () %	Present? Yes No
Remarks: Lolium multiflorum indicator status of FA	AC was g	iven by in	vestigators	5.

(inches)	Color (moist)	0/_	Color (moist)	%		1 002	Texture ³	Pemarks
							Texture	Temarks
0-14+"	<u>10 YR 4/2</u>	97	10 YR 4/3	3	<u>RM</u>	PL	Silty Clay	
Type: C=C			Reduced Matrix					=Matrix
Soil Texture	es: Clay, Silty Clay, S	andy Clay	Loam, Sandy Clay	Loam, S	Sandy Loam	n, Clay Loa	am, Silty Clay Loam,	Silt Loam, Silt, Loamy Sand, Sand
Histoso Histic E Black H Hydrog Stratifie 1 cm M Deplete Thick D Sandy (Cestrictive Type: Depth (in Remarks:	I (A1) pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) (LRR C uck (A9) (LRR D) ed Below Dark Surface ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Layer (if present):) (A11)	(s, unless otherwise Sandy Redo Stripped Ma Loamy Muc Loamy Gley Depleted M X Redox Dark Depleted D Redox Dep Vernal Pool	x (S5) atrix (S6) ky Mine ved Matr atrix (F3 s Surface ark Surfa ressions s (F9)) ral (F1) ix (F2) i) e (F6) ace (F7) (F8)		Indicators for Pr 1 cm Muck 2 cm Muck Reduced Va Red Parent Other (Expl ⁴ Indicators of hy wetland hydr Hydric Soil Pres	Additional and the present.
)GY						Socondary	Indicators (2 or more required)
Primary Indi	cators (any one indica	itor is suffi	cient)				Water	Marks (B1) (Riverine)
	Water (A1) ater Table (A2) ion (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Non posits (B3) (Nonriver Soil Cracks (B6) ion Visible on Aerial Ir	ne) riverine) ine) nagery (B7	Serit) Salt Crust Solution Sol	(B11) st (B12) vertebra Sulfide (Rhizosph of Reduc n Reduc Surface	tes (B13) Odor (C1) neres along ced Iron (C- ction in Plov e (C7)	Living Ro 4) ved Soils (Vvater Vvater Sedim Drift D Draina Dry-Se ots (C3) Crayfis Satura (C6) FAC-N	ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) eason Water Table (C2) sh Burrows (C8) tion Visible on Aerial Imagery (C9) w Aquitard (D3) eutral Test (D5)

Water Table Present?	Yes 🔿	No 💽	Depth (inches):		
Saturation Present?	Yes 🔿	No 💽	Depth (inches):	Wetland Undralagy Dresart?	Vaa
(includes capillary fringe)				wetland Hydrology Present?	res
Describe Descrided Date (stre		monitoring	vall aarial shataa srayiaya isasaa	tiona) if availables	

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

Remarks:

 (\bullet)

0

No

Project/Site: Yolo Grasslands Regio	nal Park		City/County: Yolo (County	Sa	Sampling Date: 6-1-2010			
Applicant/Owner: Yolo County Parks	s and Resourc	es Department	t	State:	CA Sa	ampling Po	pint: dp10		
Investigator(s): Helm and Rozumow	icz		Section, Township,	Range: 31, Tov	nship 8 Nort	th, Range	3 East		
Landform (hillslope, terrace, etc.): Basi	n Rim		Local relief (concav	e, convex, none)	: convex	Slope (%): <1			
Subregion (LRR):C - Mediterranean	California	Lat: Eas	ting: 614552.1	Long: Nort	hing: 4261532.3 Datum: NAD83				
Soil Map Unit Name: Marvin silty cla	ay loam			Ν	IWI classification	on: none			
Are climatic / hydrologic conditions on t	he site typical fo	or this time of ye	ar? Yes 💿 🛛 No	o (lf no,	explain in Rem	arks.)			
Are Vegetation Soil or H	lydrology	significantly	disturbed? A	re "Normal Circu	mstances" pres	sent? Ye	s 💿 No 🔿		
Are Vegetation Soil or H	lydrology	naturally pro	blematic? (If	needed, explain	any answers i	n Remark	s.)		
SUMMARY OF FINDINGS - A	ttach site m	ap showing	sampling point	t locations, t	ransects, in	nportan	t features, etc.		
Hydrophytic Vegetation Present?	Yes 🔘	No 💿							
Hydric Soil Present?	Yes 🔘	No 💿	Is the Samp	led Area					
Wetland Hydrology Present?	Yes 🔘	No 💿	within a Wet	land?	Yes 🔿	No 💿			
Remarks:									

Absolute	Dominant	Indicator	Dominance Test	workshee	et:		
<u>% Cover</u>	Species?	<u>Status</u>	Number of Domina That Are OBL, FA	ant Specie CW, or FA	s C:	1	(A)
			_ Total Number of D	ominant			
			Species Across Al	I Strata:	-	3	(B)
			- Percent of Domina	ant Specie	s		
er: %			That Are OBL, FA	CW, or FA	C: 33	8.3 %	(A/B)
			Prevalence Index	workshe	et:		
			Total % Cove	r of:	Multip	ly by:	-
			OBL species		x 1 =	0	
			FACW species		x 2 =	0	
			FAC species	30	x 3 =	90	
er: %			FACU species	30	x 4 =	120	
			UPL species	40	x 5 =	200	
40	Yes	Not Listed	Column Totals:	100	(A)	410	(B)
30	Yes	FAC	- Drevelance I	ndau – D	/A _	4 10	
30	Yes	FACU	Prevalence	ndex = B/	A =	4.10	
Trace	No	FAC	Hydrophytic Veg	etation In	dicators:		
			Dominance I	est is >50%	% - 1		
			Prevalence In	dex is ≤3.0	0'		
			Morphologica	l Adaptatic	ons' (Provide on a separate	e supporti	ing
				ludrophytic	Voqotation	¹ (Evoloin	•)
er: 100%				iyuropriyud	vegetation	(Lxpiaii)	1)
			¹ Indicators of hyd	ric soil and	d wetland hy	/drology i	must
			be present.				
er: %			- Hydrophytic				
r of Piotio (Cruct (Vegetation	Vec O	No. G		
		<u>) %</u>	Present?	res ()	NO (9	
AC was g	iven by in	vestigators	5.				
	Absolute % Cover % Cover	Absolute % Cover Dominant Species? Species? Species? Species? Species? <tr< td=""><td>Absolute Dominant Indicator % Cover Species? Status Species? Status er: % 40 Yes ser: % 30 Yes FAC 30 Yes FAC 30 Yes FAC 30 Yes FAC 97: 100% er: % er of Biotic Crust 0 % AC was given by investigators</td><td>Absolute % Cover Dominant Species? Indicator Status Dominance Test Number of Domina That Are OBL, FA </td><td>Absolute Dominant Indicator % Cover Species? Status Wumber of Dominant Specie Total Number of Dominant Specie Image: Species? Status Image: Species? Status</td><td>Absolute % Cover Dominant Indicator Species? Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Image: Species? Total Number of Dominant Species That Are OBL, FACW, or FAC: Image: Species Species</td><td>Absolute % Cover Dominant Indicator Species? Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 Image: Species? Total Number of Dominant Species That Are OBL, FACW, or FAC: 1 Image: Species? Total Number of Dominant Species That Are OBL, FACW, or FAC: 3 Image: Species Yes Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3 % Image: Species Yes Not Listed Multiply by: 0 Image: Species X 1 = 0 0 X 1 = 0 Image: Species X 2 = 0 0 FACW species X 2 = 0 Image: Species Yes Not Listed FACU Species 30 X 4 = 120 Image: Species Yes FAC Prevalence Index = B/A = 4.10 Image: Species FAC Prevalence Index is >50% Prevalence Index is >50% Prevalence Index is >50% Image: Species Image: Species Image: Species Image: Species Image: Species Image: Species Image: Species FAC Image: Species Image: Species Image: Species Image: Species Image: Species <</td></tr<>	Absolute Dominant Indicator % Cover Species? Status Species? Status er: % 40 Yes ser: % 30 Yes FAC 30 Yes FAC 30 Yes FAC 30 Yes FAC 97: 100% er: % er of Biotic Crust 0 % AC was given by investigators	Absolute % Cover Dominant Species? Indicator Status Dominance Test Number of Domina That Are OBL, FA	Absolute Dominant Indicator % Cover Species? Status Wumber of Dominant Specie Total Number of Dominant Specie Image: Species? Status Image: Species? Status	Absolute % Cover Dominant Indicator Species? Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Image: Species? Total Number of Dominant Species That Are OBL, FACW, or FAC: Image: Species	Absolute % Cover Dominant Indicator Species? Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 Image: Species? Total Number of Dominant Species That Are OBL, FACW, or FAC: 1 Image: Species? Total Number of Dominant Species That Are OBL, FACW, or FAC: 3 Image: Species Yes Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3 % Image: Species Yes Not Listed Multiply by: 0 Image: Species X 1 = 0 0 X 1 = 0 Image: Species X 2 = 0 0 FACW species X 2 = 0 Image: Species Yes Not Listed FACU Species 30 X 4 = 120 Image: Species Yes FAC Prevalence Index = B/A = 4.10 Image: Species FAC Prevalence Index is >50% Prevalence Index is >50% Prevalence Index is >50% Image: Species Image: Species Image: Species Image: Species Image: Species Image: Species Image: Species FAC Image: Species Image: Species Image: Species Image: Species Image: Species <

Profile Des	cription: (Describe t	to the depth	needed to docu	nent the i	ndicator	or confirm	n the absence of indicators.)
Depth	Matrix		Redo	x Features	6		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³ Remarks
0-12+"	10 YR 3/2	100					Silty Clay
				·			
				·			
				· ·			
				·			
¹ Type: C=0	Concentration, D=Depl	etion, RM=F	Reduced Matrix.	² Location	: PL=Pore	e Lining, R	C=Root Channel, M=Matrix.
³ Soil Textur	es: Clay, Silty Clay, S	andy Clay,	_oam, Sandy Clay	Loam, Sa	ndy Loam	, Clay Loa	am, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, Sand.
Hydric Soil	Indicators: (Applicabl	e to all LRR	s, unless otherwise	noted.)			Indicators for Problematic Hydric Soils:
Histoso	ol (A1)		Sandy Redo	x (S5)			1 cm Muck (A9) (LRR C)
Histic E	Epipedon (A2)		Stripped Ma	atrix (S6)			2 cm Muck (A10) (LRR B)
	Histic (A3)		Loamy Muc	ky Minera	I (⊢1)		Reduced Vertic (F18)
Hydrog	jen Sulfide (A4)		Loamy Gley	ed Matrix	(⊦2)		Red Parent Material (TF2)
	ed Layers (A5) (LRR C	;)	Depleted M	atrix (F3)	(= 0)		Other (Explain in Remarks)
1 cm IV	luck (A9) (LRR D)		Redox Dark	Surface ((F6)		
	ed Below Dark Surface	e (A11)	Depleted D	ark Surfac	xe (⊢7)		
	Dark Surface (A12)		Redox Dep	ressions (F8)		4
Sandy	Mucky Mineral (S1)		Vernal Poo	ls (F9)			Indicators of hydrophytic vegetation and
Sandy	Gleyed Matrix (S4)						wetland hydrology must be present.
Restrictive	Layer (if present):						
Type:							
Depth (ii	nches):						Hydric Soil Present? Yes 🔿 No 💿
Remarks:							
HYDROLO	DGY						
Wetland H	vdrology Indicators:						Secondary Indicators (2 or more required)
Primary Ind	icators (any one indica	ator is suffici	ent)				Water Marks (B1) (Riverine)
	e Water (A1)			(B11)			Sediment Denosits (B2) (Riverine)
	$/$ ator Table (Δ 2)			(B12)			
	tion (A2)			vortobroto	c (P12)		
	(D1) (D3)	n o)			dor(C1)		$\Box Dr_{4}Season Water Table (C2)$

Wetland Hydrology Indicators:		Secondary Indicators (2 or more required)			
Primary Indicators (any one indicator is sufficient)		Water Marks (B1) (Riverine)			
Surface Water (A1)	Salt Crust (B11)	Sediment Deposits (B2) (Riverine)			
High Water Table (A2)	Biotic Crust (B12)	Drift Deposits (B3) (Riverine)			
Saturation (A3)	Aquatic Invertebrates (B13)	Drainage Patterns (B10)			
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2)			
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along Living	Roots (C3) 🗍 Crayfish Burrows (C8)			
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Saturation Visible on Aerial Imagery (C9)			
Surface Soil Cracks (B6)	Recent Iron Reduction in Plowed So	ils (C6) Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7)	FAC-Neutral Test (D5)			
Water-Stained Leaves (B9)	Other (Explain in Remarks)				
Field Observations:					
Surface Water Present? Yes O No 💿	Depth (inches):				
Water Table Present? Yes O No 💿	Depth (inches):				
Saturation Present? Yes No •	Depth (inches):	Vetland Hydrology Present? Yes 🔿 No 🔎			
Describe Recorded Data (stream gauge, monitoring	g well, aerial photos, previous inspectio	ns), if available:			
Remarks:					

Project/Site: Yolo Grasslands Regional Park	City/County: Yolc	o County Sampling Date: 6-1-201							
Applicant/Owner: Yolo County Parks and Resources Depa	artment	State:CA	Sampling Point: dp11						
Investigator(s): Helm and Rozumowicz	Section, Township	o, Range: 31, Township 8 N	Jorth, Range 3 East						
Landform (hillslope, terrace, etc.): Alluvium fan	Local relief (conca	ave, convex, none): convex	Slope (%): <1						
Subregion (LRR):C - Mediterranean California	at: Easting: 614552.1	Long: Northing: 426	1532.3 Datum: NAD83						
Soil Map Unit Name: Brentwood silty clay loam, 0 to 2 pe	Soil Map Unit Name: Brentwood silty clay loam, 0 to 2 percent slopes NWI classification: none								
Are climatic / hydrologic conditions on the site typical for this tin	ne of year? Yes 💿 🛛 I	No (If no, explain in F	Remarks.)						
Are Vegetation Soil or Hydrology signi	ificantly disturbed?	Are "Normal Circumstances"	present? Yes 💿 No 🔿						
Are Vegetation Soil or Hydrology natu	rally problematic?	(If needed, explain any answe	ers in Remarks.)						
SUMMARY OF FINDINGS - Attach site map sho	owing sampling poin	nt locations, transects	, important features, etc.						
Hydrophytic Vegetation Present? Yes Ves No (
Hydric Soil Present? Yes 💿 No 🌘	Is the Sam	pled Area							
Wetland Hydrology Present? Yes No (📄 👘 within a W	etland? Yes 🖲	No 🔿						

Remarks:

	Absolute	Dominant	Indicator	Dominance Test w	orkshee	et:		
Tree Stratum (Plot Size:)	% Cover	Species?	Status	Number of Dominar	nt Specie	es		
1				That Are OBL, FAC	W, or FA	AC: 1		(A)
2				Total Number of Do	minant			
3			· <u> </u>	_ Species Across All \$	Strata:	1		(B)
4				 Percent of Dominan 	t Specie	S		
Sapling/Shrub Stratum (Plot Size:)	er: %			That Are OBL, FAC	W, or FA	AC: 100	0.0%	(A/B)
1.				Prevalence Index v	vorkshe	et:		
2.				Total % Cover of	of:	Multipl	y by:	-
3.				OBL species		x 1 =	0	
4.				FACW species	6	x 2 =	12	
5.				FAC species	93	x 3 =	279	
Total Cove	r: %			FACU species		x 4 =	0	
Herb Stratum (Plot Size: <u>10' x 10'</u>)				UPL species		x 5 =	0	
¹ . Lolium multiflorum	80	Yes	FAC	Column Totals:	99	(A)	291	(B)
 Eryngium vaseyi var. vaseyi 	5	No	FACW			· •	• • • •	
³ . Lactuca serriola	3	No	FAC	Prevalence Inc	dex = B	/A =	2.94	
4. Hordeum marinum ssp. gussoneanum	10	No	FAC	Hydrophytic Veget	ation In	dicators:		
5. Rumex crispus	1	No	FACW	X Dominance Tes	st is >50°	%		
6. Lythrum hyssopifolia	1	No	FACW	× Prevalence Inde	ex is ≤3.	0'		
7.				data in Rem	Adaptatio	ons' (Provide	supporti	ng
8.					dronhyti	c Vegetation ¹	(Evolain	<u>۱</u>
Total Cove	r: 100%				uropriyu	c vegetation	(Lxpiairi)
(Plot Size:)				¹ Indicators of hydric	s soil an	d wetland by	drology r	nuet
1				be present.	5 5011 all		urology i	nust
2								
I otal Cove	r: %			Vegetation				
% Bare Ground in Herb Stratum <u>%</u> % Cove	r of Biotic C	Crust () %	Present?	Yes 🖲	No C)	
Remarks: Lolium multiflorum indicator status of F.	AC was g	iven by in	vestigators	5.				

Profile Des	cription: (Describe to	the depth ne	eded to docun	nent the	indicator	or confirm	n the absence of i	ndicators.)			
Depth	Matrix		Redox	Feature	es						
(inches)	Color (moist)	% Co	lor (moist)	%	Type ¹	Loc ²	Texture ³	Remarks			
0-14"	10 YR 3/1	80 10 Y	R 3/2	20	С	М	Silty Clay				
					·	·					
						·					
						·					
						·					
	·										
¹ Type: C=C	Concentration, D=Depleti	on, RM=Redu	ced Matrix.	² Locatio	on: PL=Por	e Lining, R	C=Root Channel, N	M=Matrix.			
[°] Soil Textur	es: Clay, Silty Clay, San	idy Clay, Loar	n, Sandy Clay	Loam, S	andy Loam	n, Clay Loa	am, Silty Clay Loam	n, Silt Loam, Silt, Loamy Sand, Sand.			
Hydric Soil I	ndicators: (Applicable to	o all LRRs, un	less otherwise	noted.)			Indicators for P	Problematic Hydric Soils:			
	l (A1)	Ļ	Sandy Redo	(S5)				(A9) (LRR C)			
	pipedon (AZ)	Ļ		ky Minor) (E1)			(A10) (LRR B) (ortio (E18)			
	en Sulfide (A4)	Ļ		ed Matri	ix (F2)			nt Material (TE2)			
	d Lavers (A5) (LRR C)	F	Depleted Ma	atrix (F3)		Other (Explain in Remarks)				
	uck (A9) (LRR D)		Redox Dark	Surface	, e (F6)			,			
Deplete	ed Below Dark Surface (A	A11) 📙	Depleted Da	ark Surfa	ace (F7)						
Thick D	ark Surface (A12)		Redox Depr	ressions	(F8)						
Sandy I	Mucky Mineral (S1)	Σ	Vernal Pool	s (F9)			⁴ Indicators of h	ydrophytic vegetation and			
Sandy (Gleyed Matrix (S4)						wetland hyd	drology must be present.			
Restrictive	Layer (if present):										
Type:											
Depth (ir	iches):						Hydric Soil Pre	esent? Yes 💿 🛛 No 🔿			
Remarks:							-				
HYDROLC	OGY										
Wetland Hy	drology Indicators:						Secondar	y Indicators (2 or more required)			
Primary Indi	cators (any one indicato	r is sufficient)					Wate	r Marks (B1) (Riverine)			
Surface	Water (A1)		Salt Crust	(B11)			Sedir	nent Deposits (B2) (Riverine)			
High W	ater Table (A2)		Biotic Crus	st (B12)			Drift [Deposits (B3) (Riverine)			
Saturat	ion (A3)		Aquatic Inv	/ertebra	tes (B13)		Drain	age Patterns (B10)			
Water N	/larks (B1) (Nonriverine)	Hydrogen	Sulfide (Odor (C1)		Dry-S	Season Water Table (C2)			
Sedime	nt Deposits (B2) (Nonri v	verine)	Oxidized F	Rhizosph	eres along	Living Ro	ots (C3) 🗍 Crayf	fish Burrows (C8)			
Drift De	posits (B3) (Nonriverine	e)	Presence of	of Reduc	ced Iron (C	4)	Satur	ation Visible on Aerial Imagery (C9)			
X Surface	Soil Cracks (B6)		Recent Iro	n Reduc	tion in Plov	ved Soils (C6) 🗍 Shallo	ow Aquitard (D3)			
Inundat	ion Visible on Aerial Ima	gery (B7)	Thin Muck	Surface	e (C7)		FAC-I	Neutral Test (D5)			
Water-S	Stained Leaves (B9)		Other (Exp	lain in F	Remarks)						
Field Obse	rvations:										

Surface Water Present?

(includes capillary fringe)

Water Table Present?

Saturation Present?

Remarks:

Yes 🔿

Yes 🔿

Yes 🔿

No 💿

No 💿

No 💿

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

Depth (inches):

Depth (inches):

Depth (inches):

 (\bullet)

O

No

Wetland Hydrology Present? Yes

Project/Site: Yolo Grasslands Regional Park	City/County: Yolo Co	ounty	Sampling	g Date: 6-1-2010
Applicant/Owner: Yolo County Parks and Resources Department	nt	State:CA	Sampling	g Point: dp12
Investigator(s): Helm and Rozumowicz	Section, Township, Ra	ange: 31, Township 8	8 North, Rai	nge 3 East
Landform (hillslope, terrace, etc.): Alluvium fan	Local relief (concave,	convex, none): conve	х	Slope (%): <1
Subregion (LRR):C - Mediterranean California Lat: Ea	sting: 614552.1	Long: Northing: 42	261532.3	Datum: NAD83
Soil Map Unit Name: Brentwood silty clay loam, 0 to 2 percent	slopes	NWI class	sification: not	ne
Are climatic / hydrologic conditions on the site typical for this time of ye	ear?Yes 💿 🛛 No ((If no, explain ii	n Remarks.)	
Are Vegetation Soil or Hydrology Significantly	v disturbed? Are	"Normal Circumstance	s" present?	Yes 💿 No 🔿
Are Vegetation Soil or Hydrology naturally pr	oblematic? (If n	eeded, explain any ans	wers in Rem	arks.)
SUMMARY OF FINDINGS - Attach site map showing	sampling point l	ocations, transec	ts, import	ant features, etc.
Hydrophytic Vegetation Present? Yes No •		1.0		

Hydric Soil Present? Wetland Hydrology Present?	Yes 💽 Yes 🕥	No 🔘 No 💿	Is the Sampled Area within a Wetland?	Yes 💿	No ()
Remarks:					

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot Size:)	% Cover	Species?	Status	Number of Dominant Species	
1				That Are OBL, FACW, or FAC: 0 (A)	
2				Total Number of Dominant	
3				Species Across All Strata: 2 (B)	
4				 Percent of Dominant Species 	
Total Cove Sapling/Shrub Stratum (Plot Size:)	r: %			That Are OBL, FACW, or FAC: 0.0 % (A/B	3)
1.				Prevalence Index worksheet:	
2.		·		Total % Cover of: Multiply by:	
3				- OBL species $x = 0$	
4				FACW species $x 2 = 0$	
5				$= \begin{bmatrix} FAC \text{ species} & 13 & x 3 = 39 \end{bmatrix}$	
CTotal Cove	0/_			$= \begin{bmatrix} FACU \text{ species} & 50 & x4 = 200 \end{bmatrix}$	
Herb Stratum (Plot Size: 10' x 10')	. /0			UPL species $40 \times 5 = 200$	
1. Avena fatua	30	Yes	Not Listed	$\begin{array}{c} 1 \\ 1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 2 \\ 2$	в)
2. Bromus hordeaceus	50	Yes	FACU	$\begin{bmatrix} 103 \\ 103 \end{bmatrix}$ (A) $\begin{bmatrix} 439 \\ 139 \end{bmatrix}$ (A)	5)
3. Lolium multiflorum	10	No	FAC	Prevalence Index = B/A = 4.26	
4. Phalaris paradoxa		No	FAC	Hydrophytic Vegetation Indicators:	
5. Vicia sativa	10	No	Not Listed	Dominance Test is >50%	
6. Rumex crispus	$-\frac{10}{2}$	No	FACW	Prevalence Index is ≤3.0 ¹	
7.				Morphological Adaptations ¹ (Provide supporting	
8.				data in Remarks or on a separate sheet)	
Total Cove	105.04			Problematic Hydrophytic Vegetation ¹ (Explain)	
Woody Vine Stratum (Plot Size:)	105%				
1.				¹ Indicators of hydric soil and wetland hydrology mus	;t
2.				be present.	
Total Cove	: %			Hydrophytic	
% Bare Ground in Herb Stratum % % Cover	r of Biotic C	Crust (%	Vegetation Present? Yes No •	
Remarks: Lolium multiflorum and Phalaris paradox	a indicato	or status o	f FAC was	s given by investigators.	
1					

Profile Des	cription: (Describe t	o the dept	h needed to docun	nent the	e indicator	or confirm	n the absence of indicators.)			
Depth	Matrix		Redox	Feature	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³ Remarks			
0-16"	10 YR 4/1	60 1	0 YR 4/2	40	С	М	Silty Clay Loam			
					·	·				
						·				
					·					
					·	·				
						·				
	Concentration D-Dan			21 +: -						
³ Soil Textur	s: Clay Silty Clay S	ellon, Rivi-	Loam Sandy Clay I	Locatio	on: PL=Por	e Lining, K Clav Loa	am Silty Clay Loam Silt Loam Silt Loamy Sand	1 Sand		
	Indicators: (Applicabl	o to all I PE		noted)	andy Loan		Indicators for Problematic Hydric Soils			
			Sandy Redox	(\$5)			\square 1 cm Muck (A9) (LRR C)			
Histic E	Epipedon (A2)		Stripped Ma	trix (S6))		2 cm Muck (A10) (LRR B)			
Black H	listic (A3)		Loamy Mucl	ky Miner	ral (F1)		Reduced Vertic (F18)			
Hydrog	en Sulfide (A4)		Loamy Gley	ed Matri	ix (F2)		Red Parent Material (TF2)			
Stratifie	ed Layers (A5) (LRR C	;)	Depleted Ma	atrix (F3)		Other (Explain in Remarks)			
1 cm M	uck (A9) (LRR D)		Redox Dark	Surface	e (F6)					
	ed Below Dark Surface	e (A11)	Depleted Da	rk Surfa	ace (F7)					
	Dark Surface (A12)		X Redox Depr		(F8)		⁴ Indicators of hydrophytic vocatation and			
Sandy i	Gleved Matrix (S4)		Vernai Pools	s (F9)			wetland bydrology must be present			
Pestrictive	Laver (if present):									
Tupo	Layer (il present).									
Denth (in	h).							~		
Deptn (Ir	icnes):						Hydric Soil Present? Fes • No ()		
Remarks:										
)GY									
Wotland H	drology Indicators						Secondary Indicators (2 or more requir	od)		
	iostoro (onv ono indio	tor in ouffi	iont)				Water Marks (P1) (Piverine)	eu)		
		ator is sume						、 (
	e vvater (A1)		Salt Crust	(B11)			Sediment Deposits (B2) (Riverine)		
	ater Table (A2)			ι (B12)						
	viarks (B1) (Nonriveri	ne)		Suitiae (Linda - D	Dry-Season Water Table (C2)			
	ent Deposits (B2) (Nor	iriverine)		nizosph	ieres along			(

Wetland Hydrology Indicators:		Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is sufficient)		Water Marks (B1) (Riverine)
Surface Water (A1)	Salt Crust (B11)	Sediment Deposits (B2) (Riverine)
High Water Table (A2)	Biotic Crust (B12)	Drift Deposits (B3) (Riverine)
Saturation (A3)	Aquatic Invertebrates (B13)	Drainage Patterns (B10)
Water Marks (B1) (Nonriverine)	Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2)
Sediment Deposits (B2) (Nonriverine)	Oxidized Rhizospheres along Living Ro	oots (C3) 🗍 Crayfish Burrows (C8)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Saturation Visible on Aerial Imagery (C9)
Surface Soil Cracks (B6)	Recent Iron Reduction in Plowed Soils	(C6) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Thin Muck Surface (C7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Other (Explain in Remarks)	
Field Observations:		
Surface Water Present? Yes O No 💿	Depth (inches):	
Water Table Present? Yes O No 💿	Depth (inches):	
Saturation Present? Yes No (Depth (inches):	
(includes capillary fringe)	We	tland Hydrology Present? Yes () No (•
Describe Recorded Data (stream gauge, monitoring	y well, aerial photos, previous inspections)), if available:
Remarks:		

Project/Site: Yolo Grasslands Regional Park	City/County: Yolo	City/County: Yolo County Sampling				
Applicant/Owner: Yolo County Parks and Resources Dep	partment	State:CA	Sampling Point: dp13			
Investigator(s): Helm and Wood	Section, Township,	Range: 31, Township 8 No	orth, Range 3 East			
Landform (hillslope, terrace, etc.): Basin Rim	Local relief (conca	ve, convex, none): Concave	Slope (%): <1			
Subregion (LRR):C - Mediterranean California	Lat: Easting: 614552.1	Long: Northing: 4261	532.3 Datum: NAD83			
Soil Map Unit Name: Marvin silty clay loam		NWI classifica	ation: none			
Are climatic / hydrologic conditions on the site typical for this til	me of year? Yes 💿 🛛 N	o 🔿 (If no, explain in Re	emarks.)			
Are Vegetation Soil or Hydrology sigr	nificantly disturbed? A	Are "Normal Circumstances" p	resent? Yes 💿 No 🔿			
Are Vegetation Soil or Hydrology natu	urally problematic? (I	If needed, explain any answer	s in Remarks.)			
SUMMARY OF FINDINGS - Attach site map sh	owing sampling poin	t locations, transects,	important features, etc.			
Hydrophytic Vegetation Present? Yes (No						
Hydric Soil Present? Yes 💿 No	Is the Samp	oled Area				
Wetland Hydrology Present? Yes No	within a We	etland? Yes 🖲	No 🔿			

Remarks:

	Absolute	Dominant	Indicator	Dominance Test wo	orkshee	et:		
Tree Stratum (Plot Size:)	% Cover	Species?	Status	Number of Dominant	Specie	s		(•)
1				- That Are OBL, FACM	v, or FA			(A)
2				Total Number of Dom	ninant			
3.				Species Across All S	trata:	1		(B)
4				Percent of Dominant	Specie	s		
Sapling/Shrub Stratum (Plot Size:)	r: %			That Are OBL, FACW	V, or FA	C: 100).0%	(A/B)
1.				Prevalence Index w	orkshe	et:		
2.				Total % Cover of	f:	Multipl	y by:	
3.				OBL species	1	x 1 =	1	
4.				FACW species	2	x 2 =	4	
5.				FAC species	96	x 3 =	288	
Total Cover	: %			FACU species		x 4 =	0	
Herb Stratum (Plot Size: <u>10' x 10'</u>)				UPL species		x 5 =	0	
1. Lolium multiflorum	90	Yes	FAC	Column Totals:	99	(A)	293	(B)
2. Hemizonia luzulaefolia ssp. luzulaefolia	5	No	FAC	- Duration to d		1.0	2.06	
3. Juncus bufonius	2	No	FACW	Prevalence Ind	ex = B/	A =	2.96	
4. Psilocarphus brevissimus var. brevissimus	1	No	OBL	Hydrophytic Vegeta	tion In	dicators:		
5. Trifolium depauperatum var. depauperatum	1	No	FAC	X Dominance Test	is >50%	% - 1		
6. Trifolium wormskioldii	1	No	FACW	× Prevalence Inde	x is ≤3.	0'		
7.				Morphological A	daptatic	ons' (Provide	supportir	ng
8.					rophyti	Negetation ¹	(Evolain	`
Total Cover Woody Vine Stratum (Plot Size:)	100%				lopnyu	o vegetation	(Explain)
1.				¹ Indicators of hydric	soil and	d wetland hy	drology r	nust
2.				be present.				
Total Cover	: %			Hydrophytic Vegetation				
% Bare Ground in Herb Stratum% % Cover	of Biotic C	Crust) %	Present?	Yes 💿	No (
Remarks: Lolium multiflorum and Hemizonia luzul	aefolia ss	p. luzulae	folia indic	ator status of FAC wa	as give	en by invest	igators.	

Profile Des	cription: (Describe t	o the dep	oth needed to docum	ent the	e indicator	or confirm	m the absence of indicators.)	
Depth	Matrix		Redox	Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³ Remarks	
0-16"	7.5 YR 3/2	80	7.5 YR 2/0	20	RM	М	Clay	
					·			
							· ·	
					·			
							·	
¹ Type: C=C	Concentration, D=Deple	etion, RM	=Reduced Matrix.	² Locatio	on: PL=Por	e Lining, R	RC=Root Channel, M=Matrix.	
³ Soil Textur	es: Clay, Silty Clay, S	andy Clay	/, Loam, Sandy Clay I	₋oam, S	andy Loam	n, Clay Loa	am, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, S	and.
Hydric Soil	Indicators: (Applicable	e to all LR	Rs, unless otherwise	noted.)			Indicators for Problematic Hydric Soils:	
Histosc	ol (A1)		Sandy Redox	(S5)			1 cm Muck (A9) (LRR C)	
Histic E	Epipedon (A2)		Stripped Ma	trix (S6)			2 cm Muck (A10) (LRR B)	
Black H	Histic (A3)		Loamy Muck	ky Miner	ral (F1)		Reduced Vertic (F18)	
Hydrog	jen Sulfide (A4)		Loamy Gley	ed Matr	ix (F2)		Red Parent Material (TF2)	
Stratifie	ed Layers (A5) (LRR C)	Depleted Ma	atrix (F3)		Other (Explain in Remarks)	
🗌 1 cm M	luck (A9) (LRR D)		X Redox Dark	Surface	e (F6)			
Deplete	ed Below Dark Surface	(A11)	X Depleted Da	irk Surfa	ace (F7)			
Thick D	Dark Surface (A12)		Redox Depr	essions	(F8)			
Sandy	Mucky Mineral (S1)		Vernal Pools	s (F9)			⁴ Indicators of hydrophytic vegetation and	
Sandy	Gleyed Matrix (S4)						wetland hydrology must be present.	
Restrictive	Layer (if present):							
Type:								
Depth (ir	nches):						Hydric Soil Present? Yes No	
Remarks:								
HYDROLO	DGY							
Wetland Hy	vdrology Indicators:						Secondary Indicators (2 or more required)
Primary Ind	icators (any one indica	tor is suff	icient)				Water Marks (B1) (Riverine)	-
	a Water (Δ1)		Salt Cruet /	(B11)			Sediment Denosits (B2) (Piverine)	
	ator Table (A2)			(011) + (012)				
	(A2)			ι (⊡ I∠) 				
	lion (A3)		Aquatic Inv	ertebra	ies (B13)		Drainage Patterns (B10)	

Wetland Hydrology Indicators:	Secondary Indicators (2 or more required)
Primary Indicators (any one indicator is sufficient)	Water Marks (B1) (Riverine)
Surface Water (A1) Salt Crust (B11)	Sediment Deposits (B2) (Riverine)
High Water Table (A2) Biotic Crust (B12)	Drift Deposits (B3) (Riverine)
Saturation (A3)	Drainage Patterns (B10)
Water Marks (B1) (Nonriverine)	Dry-Season Water Table (C2)
Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along I	_iving Roots (C3) Crayfish Burrows (C8)
Drift Deposits (B3) (Nonriverine)) Saturation Visible on Aerial Imagery (C9)
Surface Soil Cracks (B6) Recent Iron Reduction in Plow	ed Soils (C6) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7)	FAC-Neutral Test (D5)
Water-Stained Leaves (B9) Other (Explain in Remarks)	_
Field Observations:	
Surface Water Present? Yes O No O Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Underland Breast 2 Vac. O. No. O
(includes capillary fringe)	wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous ins	bections), ir available:
Remarks:	

Project/Site: Yolo Grasslands Regional Park		City/County: Yolo (County	Sampling Date: 6-18-2010				
Applicant/Owner: Yolo County Parks and Res	sources Departmen	t	State	CA	Sampling F	Point: dp14		
Investigator(s): Helm and Wood		Section, Township, Range: 31, Township 8 North, Range 3 East						
Landform (hillslope, terrace, etc.): Basin Rim		Local relief (concav	e, convex, non	e): Concave		Slope (%): <1		
Subregion (LRR):C - Mediterranean California	aLat: Eas	sting: 614552.1	Long: Not	rthing: 4261:	532.3	Datum: NAD83		
Soil Map Unit Name: Marvin silty clay loam				NWI classifica	ation: none			
Are climatic / hydrologic conditions on the site typ	vical for this time of ye	ear? Yes 💿 🛛 No) (If no	, explain in Re	emarks.)			
Are Vegetation Soil or Hydrology	significantly	disturbed? A	re "Normal Circ	umstances" p	resent? Ye	es 💿 🛛 No 🔿		
Are Vegetation Soil or Hydrology	naturally pro	oblematic? (If	needed, expla	in any answer	s in Remar	(s.)		
SUMMARY OF FINDINGS - Attach sit	te map showing	sampling point	locations,	transects,	importa	nt features, etc.		
Hydrophytic Vegetation Present? Yes (No 💿							
Hydric Soil Present? Yes (No 💿	Is the Samp	led Area					
Wetland Hydrology Present? Yes	No 🕥	within a Wet	land?	Yes 🔿	No 🖲)		
Remarks:								

	Absolute	Dominant	Indicator	Dominance Test	workshee	t:		
Tree Stratum (Plot Size:)	% Cover	Species?	Status	Number of Domina	ant Specie	s		(•)
1				That Are OBL, FA	CW, or FA	C:	1	(A)
2				Total Number of D	ominant			
3.				Species Across Al	l Strata:		2	(B)
4				Percent of Domina	ant Species	S		
Sapling/Shrub Stratum (Plot Size:)	: %			That Are OBL, FA	CW, or FA	C:	50.0 %	(A/B)
1.				Prevalence Index	workshe	et:		
2.				Total % Cove	r of:	Mul	tiply by:	_
3.				OBL species		x 1 =	0	
4.				FACW species		x 2 =	0	
5.				FAC species	40	x 3 =	120	
Total Cover	%			FACU species	10	x 4 =	40	
Herb Stratum (Plot Size: 10' X 10')				UPL species	50	x 5 =	250	
1. Lolium multiflorum	40	Yes	FAC	Column Totals:	100	(A)	410	(B)
2. Avena fatua	40	Yes	Not Listed	- Dural and	D/	•	4.10	
3. Convolvulus arvensis	5	No	Not Listed	Prevalence I	ndex = B/	A =	4.10	
4. Bromus hordeaceus	10	No	FACU	Hydrophytic Veg	etation Inc	dicators:		
5. <u>Hemizonia fitchii</u>	5	No	Not Listed	Dominance I	est is >50%	6 - 1		
6				Prevalence In	dex is ≤3.0)'		
7		-		Morphologica	l Adaptatio marks or o	ns' (Provi n a senar	ide support ate sheet)	ing
8.					lydronhytic	Vegetati	on ¹ (Evolair	n)
Total Cover	100%				ryaropriyac	vegetati		')
				¹ Indicators of hydr	ric soil and	h wetland	hydrology	must
1				be present.		wedana	nyarology	maor
Z	0/			Hydrophytic				
	. %			Vegetation				
% Bare Ground in Herb Stratum% % Cover	of Biotic C	Crust 0	%	Present?	Yes 🔿	No	\odot	
Remarks: Lolium multiflorum indicator status of FA	C was g	iven by in	vestigators	•				

Profile Des	scription: (Describe to	the depth n	eeded to docur	nent the i	ndicator	or confirm	the abse	nce of ir	dicators.)		
Depth	Matrix		Redox	x Features	; 1			3			
(inches)	Color (moist)	<u> </u>	olor (moist)	%	I ype '	Loc ²	lexture	<u> </u>		Remark	(S
0-16"	7.5 YR 3/2	80									
¹ Type: C=0	Concentration, D=Deple	tion, RM=Rec	luced Matrix.	² Location	: PL=Pore	Lining, RC	=Root Ch	nannel, N	I=Matrix.		
³ Soil Textur	res: Clay, Silty Clay, Sa	ndy Clay, Loa	am, Sandy Clay	Loam, Sai	ndy Loam	, Clay Loar	n, Silty Cla	ay Loam,	Silt Loam,	Silt, Loamy	Sand, Sand.
Hydric Soil	Indicators: (Applicable	to all LRRs, u	Inless otherwise	noted.)			Indicat	ors for P	roblematic I	Hydric Soils	4 5:
Histoso	ol (A1)		Sandy Redo	x (S5)			10	cm Muck	(A9) (LRR	C)	
Histic E	Epipedon (A2)		Stripped Ma	atrix (S6)			20	m Muck	(A10) (LRF	R B)	
Black H	Histic (A3)		Loamy Muc	ky Mineral	I (F1)			educed V	ertic (F18)		
	gen Suitide (A4)		Loamy Gley	/ed Matrix	(F2)			ed Parent	Material (1	F2)	
	ed Layers (A5) (LRR C)			allix (FS) Surface (E6)			ner (⊏xpi	an in Rema	arks)	
	ed Below Dark Surface	(Δ11)		ark Surface	го) о (F7)						
	Dark Surface (A12)	(,,,,)		ressions (F	=8)						
Sandy	Mucky Mineral (S1)	·	Vernal Pool	s (F9)	0)		⁴ Indica	tors of hy	drophytic v	egetation a	und
Sandy	Gleyed Matrix (S4)	l		0 (1 0)			wet	land hydi	rology must	be present	t.
Restrictive	E Layer (if present):							-			
Type:											
Depth (i	nches):		_				Hydric	Soil Pres	sent? Ye	s 🔿	No 💿
Remarks:	·						-			~	~
HYDROLO	OGY										
Wetland H	ydrology Indicators:						S	econdary	Indicators	(2 or more	required)
Primary Ind	licators (any one indicat	or is sufficient	t)				[Water	Marks (B1)	(Riverine))
Surface	e Water (A1)		Salt Crust	(B11)			Γ	Sedim	ent Deposi	ts (B2) (Riv	verine)
High W	/ater Table (A2)		Biotic Crus	st (B12)				Drift D	eposits (B3) (Riverine	e)
Satura	tion (A3)		Aquatic Inv	vertebrates	s (B13)		Ē	_ Draina	age Patterns	s (B10)	
Water	Marks (B1) (Nonriverin	e)	Hydrogen	Sulfide Oc	dor (C1)			Dry-Se	eason Wate	er Table (C2	2)
Sedime	ent Deposits (B2) (Nonr	iverine)	Oxidized F	Rhizospher	res along	Living Root	is (C3) 🗍	Crayfi	sh Burrows	(C8)	
Drift De	eposits (B3) (Nonriveri r	ne)	Presence	of Reduce	d Iron (C4	4)		_ │ Satura	ation Visible	on Aerial I	magery (C9)
님								=			5 7 ()

X Surface Soil Cracks (B6) Recent Iron Reduction in Plowed Soils (C6) Shallow Aquitard (D3) FAC-Neutral Test (D5) 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): Saturation Present? Depth (inches): Yes 🔿 No 💿 Wetland Hydrology Present? (\bullet) \bigcirc Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: