APPENDIX H

Jurisdictional Delineation Forms

Project/Site: Campo Wind	City/County: C	ampo/San Diego	Sampling Date: 7/12/18 & 9/2		
Applicant/Owner: Various		_	State:CA	Sampling Point: DS 1a	
Investigator(s): L. Mobley, C. Amoaku, P. Schuyler		Section, Town	ship, Range:		
Landform (hillslope, terrace, etc.): hillslope		Local relief (co	Local relief (concave, convex, none): None SI		
Subregion (LRR):C - Mediterranean California	Lat:	_	Long:	 Datum:	
Soil Map Unit Name:			NWI c	assification:	
Are climatic / hydrologic conditions on the site typical for	this time of	year?Yes 💿	No (If no, expla	in in Remarks.)	
Are Vegetation Soil or Hydrology	significant	tly disturbed?	Are "Normal Circumstar	nces" present? Yes 💿 No 🔿	
Are Vegetation Soil or Hydrology	naturally p	problematic?	(If needed, explain any	answers in Remarks.)	
SUMMARY OF FINDINGS - Attach site map	p showin	g sampling p	oint locations, trans	ects, important features, etc.	
Hydrophytic Vegetation Present? Yes	No 🔘				
Hvdric Soil Present? Yes	No 🦳	le tho S	ampled Area		

nyaropnyao vogotation robont.						
Hydric Soil Present?	Yes 💿	No 🔘	Is the Sampled Area			
Wetland Hydrology Present?	Yes 💿	No 💿	within a Wetland?	Yes (•	No 🔿
Remarks: Seep on hillslope approx	kimately 20'x2	0' in size. Surroun	ding area is upland.			

	Absolute	Dominant	Indicator	Dominance Test w	orksheet	:		
Tree Stratum (Use scientific names.)	% Cover	Species?	Status	Number of Dominar	nt Species			
1				That Are OBL, FAC	W, or FAC	2: 2		(A)
2.				Total Number of Do	minant			
3.				Species Across All	Strata:	7		(B)
4.				Borcont of Dominar	t Spacias			
Total Cove	r: %			That Are OBL, FAC	W, or FAC	28 (6 %	(A/B)
Sapling/Shrub Stratum						20.0		. ,
1. Quercus ×acutidens	10	Yes	Not Listed	Prevalence Index	workshee	t:		
2 Arctostaphylos pungens	5	Yes	Not Listed	Total % Cover	of:	Multiply	by:	-
³ .Ceanothus leucodermis	5	Yes	Not Listed	OBL species	30	x 1 =	30	
4. Prunus ilicifolia	5	Yes	Not Listed	FACW species	25	x 2 =	50	
5.Eriogonum fasciculatum var. polifolium	5	Yes	Not Listed	FAC species	10	x 3 =	30	
Total Cover	: 30 %			FACU species	5	x 4 =	20	
Herb Stratum				UPL species	31	x 5 =	155	
¹ Anemopsis californica	30	Yes	OBL	Column Totals:	101	(A)	285	(B)
² .Juncus mexicanus	20	Yes	FACW					
³ . <i>Urtica dioica</i>	10	No	FAC	Prevalence In	dex = B/A	\ =	2.82	
⁴ .Juncus acutus	5	No	FACW	Hydrophytic Vege	ation Ind	icators:		
5. <i>Heliotropium curassavicum</i>	5	No	FACU	Dominance Tes	st is >50%			
6. Artemisia dracunculus	1	No	Not Listed	Prevalence Ind	ex is ≤3.0 ¹	1		
7.				Morphological	Adaptation	ns ¹ (Provide s	supporti	ng
8.					arks or on	a separate s	sneet)	
Total Cover	71 %			- Problematic Hy	drophytic	Vegetation' (Explain	1)
Woody Vine Stratum	/1/0			4				
1				¹ Indicators of hydric	c soil and	wetland hyd	rology	must
2				be present.				
Total Cover	: %			Hydrophytic				
% Bare Ground in Herb Stratum% % Cover	of Biotic C	Crust	%	Vegetation Present?	Yes 💿	No 🔿		
Remarks:				<u> </u>				

Profile Des	cription: (Describe	to the de	pth needed to docur	nent the	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
0-2	10YR 2/1	100					sandy clay loam
2-16	7.5YR 3/1	90	7.5YR 4/6	10	С	M	sandy loam
				·		·	
						·	
¹ Type: C=C	Concentration, D=Dep	letion, RN	1=Reduced Matrix.	² Locatio	n: PL=Por	e Lining, R	C=Root Channel, M=Matrix.
Soli Textur	es: Clay, Slity Clay, S	andy Cla	y, Loam, Sandy Clay	Loam, S	andy Loan	i, Clay Loa	am, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, Sand.
Histoso	Indicators: (Applicabl	e to all Li	KKS, UNIESS Otherwise	noted.)			Indicators for Problematic Hydric Solis: $\Box = 1 \text{ cm} \text{ Muck } (A9) (I BB C)$
Histic E	Epipedon (A2)		Sandy Redd	atrix (S6)			2 cm Muck (A10) (LRR B)
Black H	listic (A3)		Loamy Muc	ky Miner	al (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 M	atrix (F3))		Other (Explain in Remarks)
1 cm M	luck (A9) (LRR D)		Redox Dark	Surface	e (F6)		
	ed Below Dark Surface	e (A11)	Depleted Da	ark Surfa	ace (F7)		
	Jark Sufface (A12) Mucky Minoral (S1)				(F8)		⁴ Indicators of hydrophytic vogotation and
Sandy	Gleved Matrix (S4)			5(19)			wetland hydrology must be present.
Restrictive	Layer (if present):						
Type:							
Depth (ir	nches):						Hydric Soil Present? Yes No
Remarks:							
HYDROLO	DGY						
Wetland Hy	drology Indicators:						Secondary Indicators (2 or more required)
Primary Ind	icators (any one indication	ator is su	ficient)				Water Marks (B1) (Riverine)
Surface	e Water (A1)		Salt Crust	(B11)			Sediment Deposits (B2) (Riverine)
High W	ater Table (A2)		Biotic Crus	st (B12)			Drift Deposits (B3) (Riverine)
X Saturat	ion (A3)		Aquatic Inv	vertebrat	es (B13)		Drainage Patterns (B10)
Water N	Marks (B1) (Nonriveri	ne)	Hydrogen	Sulfide C	Odor (C1)		Dry-Season Water Table (C2)
Sedime	ent Deposits (B2) (Nor	nriverine) Oxidized F	Rhizosph	eres along	Living Roo	ots (C3) Thin Muck Surface (C7)
Drift De	eposits (B3) (Nonriver	ine)	Presence	of Reduc	ced Iron (C	4)	Crayfish Burrows (C8)
	Soil Crocks (P6)			n Dadua	tion in Dlov	und Spila ((C6) Saturation Visible on Aprial Imagony (C0)

Surface Soil Cracks (B6)	Surface Soil Cracks (B6)					ed Soils (C6) Saturation Visible on Aerial Imagery (C9)				
Inundation Visible on Aer	ial Imagery	(B7)	Other (Explain in Re	emarks)	Shallow Aquitard (D3)					
Water-Stained Leaves (B	89)					FAC-Neutral	Fest (D	5)		
Field Observations:										
Surface Water Present?	Yes 💽	No 🔿	Depth (inches):	1"						
Water Table Present?	Yes 💽	No 🔿	Depth (inches):							
Saturation Present? (includes capillary fringe)	Yes 💿	No 🔿	Depth (inches):		Wetland Hyd	rology Present?	Yes	$oldsymbol{eta}$	No	0
Describe Recorded Data (stre	eam gauge,	monitoring	well, aerial photos, pr	evious inspec	tions), if availab	le:				
Remarks:										

Project/Site: Campo Wind		City/County: Campo/San D	Sampling Date: 9/25/18		
Applicant/Owner: Various			State:CA	Sampling Point: DS 1b	
Investigator(s): Callie Amoaku, Patricia Schuyler		Section, Township, Range:			
Landform (hillslope, terrace, etc.): hillslope		Local relief (concave, conve	x, none):None	Slope (%): 5%	
Subregion (LRR):C - Mediterranean California	Lat:	Lon	g:	Datum:	
Soil Map Unit Name:			NWI class	ification:	
Are climatic / hydrologic conditions on the site typical for th	is time of y	rear? Yes No	(If no, explain ir	n Remarks.)	
Are Vegetation Soil or Hydrology	significantl	y disturbed? Are "Norm	al Circumstances	s" present? Yes 💿 🛛 No 🔿	
Are Vegetation Soil or Hydrology	naturally p	roblematic? (If needed	, explain any ans	wers in Remarks.)	
SUMMARY OF FINDINGS - Attach site map	showing	g sampling point locati	ons, transec	ts, important features, etc.	
Hydrophytic Vegetation Present? Yes 💿 N	No 🔘				
Hydric Soil Present? Yes 💿 N	No 🔘	Is the Sampled Area	l		
Wetland Hydrology Present? Yes 🕥 N	No 💽	within a Wetland?	Yes (No 💿	

Remarks:

	Absolute	Dominant	Indicator	Dominance Test w	orksheet	:		
Tree Stratum (Use scientific names.)	% Cover	Species?	Status	Number of Dominar	nt Species	3		
1				That Are OBL, FAC	W, or FAC	C: 1		(A)
2.				Total Number of Do	minant			
3.				Species Across All Strata: 2 ((B)	
4.				Borcont of Dominar	at Spacios			
Total Cove Sapling/Shrub Stratum	r: %			That Are OBL, FAC	W, or FA	C: 50.	0 %	(A/B)
¹ Eriogonum fasciculatum var. polifolium	5	Yes	Not Listed	Prevalence Index	workshee	et:		
2. Artemisia dracunculus	2	No	Not Listed	Total % Cover	of:	Multiply	/ by:	_
3. Quercus ×acutidens	2	No	Not Listed	OBL species		x 1 =	0	
4. Prunus ilicifolia	2	No	Not Listed	FACW species	40	x 2 =	80	
5.				FAC species	2	x 3 =	6	
Total Cover	: 11 %			FACU species		x 4 =	0	
Herb Stratum				UPL species	11	x 5 =	55	
1.Juncus mexicanus	30	Yes	FACW	Column Totals:	53	(A)	141	(B)
² . Anemopsis californica	10	No	FACW		55			
³ . <i>Urtica dioica</i>	2	No	FAC	Prevalence Index = $B/A = 2.66$				
4.				Hydrophytic Vege	tation Ind	licators:		
5.				Dominance Tes	st is >50%	þ		
6.				Prevalence Ind	ex is ≤3.0	1		
7.				Morphological	Adaptatior	ns ¹ (Provide	supporti	ng
8.					arks or or	a separate	sneet)	,
Total Cover	47 %			- Problematic Hy	drophytic	Vegetation	(Explain)
Woody Vine Stratum	72 /0							
1				Indicators of hydric	c soil and	wetland hyd	Irology r	must
2								
Total Cover	: %			Hydrophytic				
% Bare Ground in Herb Stratum% % Cover	of Biotic C	Crust	%	Present?	Yes 🖲	No (
Remarks:				-				

Profile Des	cription: (Describe t	o the de	pth needed to docun	nent the	e indicator	or confirm	n the absence of ir	ndicators.)			
Depth	Matrix		Redox	Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks			
0-10	10YR 4/2	100					sandy clay loam				
10-16	10YR 4/2	93	10YR 3/4	5	<u>C</u>	M	sandy clay loam				
10-16	10YR 4/2		10YR /2	2	<u>D</u>	M	sandy clay loam				
						·					
¹ Type: C=C ³ Soil Textur	Concentration, D=Depl es: Clay, Silty Clay, S	etion, RM andy Cla	I=Reduced Matrix. y, Loam, Sandy Clay I	² Locatio	on: PL=Pore	e Lining, R , Clay Loa	C=Root Channel, M am, Silty Clay Loam,	1=Matrix. , Silt Loam, Silt, Loamy Sand, Sand.			
Hydric Soil	Indicators: (Applicable	e to all Li	RRs, unless otherwise	noted.)			Indicators for P	roblematic Hydric Soils:			
Histoso	l (A1)		Sandy Redox	(S5)			1 cm Muck (A9) (LRR C)				
Histic E	pipedon (A2)		Stripped Ma	trix (S6))		2 cm Muck (A10) (LRR B)				
Black H	listic (A3)		Loamy Mucl	ky Mine	ral (F1)		Reduced Vertic (F18)				
Hydrog	en Sulfide (A4)		Loamy Gley	ed Matr	ix (F2)		Red Parent Material (TF2)				
Stratifie	ed Layers (A5) (LRR C)	X Depleted Ma	atrix (F3)		Other (Expl	lain in Remarks)			
1 cm M	uck (A9) (LRR D)		Redox Dark	Surface	e (F6)						
Deplete	ed Below Dark Surface	e (A11)	Depleted Da	ark Surfa	ace (F7)						
Thick D	ark Surface (A12)		Redox Depr	essions	(F8)		4				
Sandy I	Mucky Mineral (S1)		Vernal Pools	s (F9)			*Indicators of hy	ydrophytic vegetation and			
Sandy	Gleyed Matrix (S4)						wetland hydi	rology must be present.			
Restrictive	Layer (if present):										
Type:											
Depth (ir	nches):						Hydric Soil Pres	sent? Yes 💿 🛛 No 🔿			
Remarks: c	oncentration and de	pletion	features only preser	nt in 10	"+ layer	but are pr	esent in a layer at	t least 6 inches thick starting at a			
d	epth of 10 inches fr	om soil	surface.		5	· · · · P-	· · · · · · · · · · · · · · · · · · ·				
	1										

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)	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)	Thin Muck Surface (C7)				
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)				
Surface Soil Cracks (B6)	Recent Iron Reduction in Plowed Soils (C6)	Saturation Visible on Aerial Imagery (C9)				
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Shallow Aquitard (D3)				
Water-Stained Leaves (B9)	—	X FAC-Neutral Test (D5)				
Field Observations:						
Surface Water Present? Yes 🔿 No 💽	Depth (inches):					
Water Table Present? Yes O No	Depth (inches):					
Saturation Present? Yes No (Depth (inches): Wetland Hy	rdrology Present? Yes 🔿 No 💿				
Describe Recorded Data (stream gauge, monitori	ng well, aerial photos, previous inspections), if availa	able:				
Remarks:						

Project/Site: Campo Wind	C	ity/County: Campo/San Di	Sampling Date: 7/25/18, 9/25/		
Applicant/Owner: Various			State:CA	Sampling F	Point:DS 2a
Investigator(s): L. Mobley, M. Forgey, C. Amoaku, P. S	Schuyl <mark>a</mark> S	Section, Township, Range:		_	
Landform (hillslope, terrace, etc.): Hillslope	L	_ocal relief (concave, conve	k, none): concav	e	Slope (%): 5
Subregion (LRR):C - Mediterranean California	Lat:	Long	g:		Datum:
Soil Map Unit Name:			NWI classi	fication:	
Are climatic / hydrologic conditions on the site typical for this	time of yea	r? Yes 💿 No 🔿	(If no, explain in	Remarks.)	
Are Vegetation Soil or Hydrology si	gnificantly d	isturbed? Are "Norma	al Circumstances	" present? Y	es 💿 🛛 No 🔿
Are Vegetation Soil or Hydrology na	aturally prob	lematic? (If needed,	explain any answ	vers in Remar	ks.)
SUMMARY OF FINDINGS - Attach site map s	howing s	ampling point location	ons, transect	s, importa	nt features, etc.
Hydrophytic Vegetation Present? Yes 💿 No					
Hydric Soil Present? Yes No		Is the Sampled Area			
Wetland Hydrology Present? Yes No	• •	within a Wetland?	Yes 🤇	No 🦲	
Remarks: Hydrophytic vegetation adjacent to pondec	l water (DS	S 3)			

	Absolute	Dominant	Indicator	Dominance Test we	orksheet	:		
(Use scientific names.)	% Cover	Species?	Status	Number of Dominan	t Species			<i>.</i>
1. Quercus agrifolia	5	Yes	Not Listed	That Are OBL, FAC\ -	N, or FAC): 2		(A)
2				Total Number of Dor	minant			
3				Species Across All S	Strata:	6		(B)
4				Percent of Dominant	t Species			
Sapling/Shrub Stratum Total Cover	r: 5 %			That Are OBL, FAC	N, or FAC	C: 33.3	%	(A/B)
1.Artemisia tridentata	3	Yes	Not Listed	Prevalence Index w	vorkshee	et:		
2. Arctostaphylos pungens	2	Yes	Not Listed	Total % Cover c	of:	Multiply	by:	-
3. Artemisia dracunculus	2	Yes	Not Listed	OBL species	40	x 1 =	40	
4.				FACW species	55	x 2 =	110	
5.		·		FAC species		x 3 =	0	
Total Cover	7 %	-		FACU species	3	x 4 =	12	
Herb Stratum				UPL species	14	x 5 =	70	
1.Juncus mexicanus	55	Yes	FACW	Column Totals:	112	(A)	232	(B)
² .Anemopsis californica	40	Yes	OBL					
³ . Ambrosia psilostachya	3	No	FACU	Prevalence Inc	lex = B/A	A =	2.07	
4. Carduus pycnocephalus	2	No	Not Listed	Hydrophytic Veget	ation Ind	icators:		
5.				Dominance Tes	t is >50%)		
6.				Prevalence Inde	ex is ≤3.0́	1		
7.				Morphological A	daptation	ns ¹ (Provide s	upporti	ng
8.						Veretetien ¹	neel) Evelsie	
Total Cover	100%				Jrophytic	vegetation (Explain	1)
Woody Vine Stratum	10070			1				
1				Indicators of hydric	soil and	wetland hydi	ology	must
2								
Total Cover	: %			Hydrophytic				
% Bare Ground in Herb Stratum% Cover	of Biotic C	Crust	%	Present?	Yes 💿	No 🔿		
Remarks:								

Profile Des	scription: (Describe t	o the dep	th needed to document the indicator or confirm	the absence of indicators.)	
Depth	Matrix		Redox Features	<u>^</u>	
(inches)	Color (moist)		$\underline{\text{Color (moist)}} \\ \underline{\%} \\ \underline{\text{Type}^{1}} \\ \underline{\text{Loc}^{2}}$	Texture ³ Remarks	S
0-10	5Y 2.5/1	100	N/A	clay loam	
¹ Type: C=0	 Concentration, D=Depl	etion. RM	=Reduced Matrix. ² Location: PL=Pore Lining R	C=Root Channel M=Matrix	
³ Soil Textu	res: Clay, Silty Clay, S	andy Clay	, Loam, Sandy Clay Loam, Sandy Loam, Clay Loa	n, Silty Clay Loam, Silt Loam, Silt, Loamy	Sand, Sand.
Hydric Soil	Indicators: (Applicable	e to all LR	Rs, unless otherwise noted.)	Indicators for Problematic Hydric Soils	
Histos	ol (A1)		Sandy Redox (S5)	1 cm Muck (A9) (LRR C)	
Histic E	Epipedon (A2)		Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)	
Black I	Histic (A3)		Loamy Mucky Mineral (F1)	Reduced Vertic (F18)	
Hydrog	gen Sulfide (A4)		Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)	
	ed Layers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)	
	(IUCK (A9) (LKK D) ed Below Dark Surface	(Δ11)	Redox Dark Surface (F6) Depleted Dark Surface (F7)		
	oark Surface (A12)	(ATT)	Bedox Depressions (F8)		
Sandy	Mucky Mineral (S1)		Vernal Pools (F9)	⁴ Indicators of hydrophytic vegetation a	nd
Sandy	Gleyed Matrix (S4)			wetland hydrology must be present.	
Restrictive	E Layer (if present):				
Type:ro	ots				
Depth (i	nches): 10+			Hydric Soil Present? Yes	No 💿
Remarks:	,			<u> </u>	\sim
HYDROL	DGY				
Wetland H	ydrology Indicators:			Secondary Indicators (2 or more r	required)
Primary Inc	licators (any one indica	tor is suff	icient)	Water Marks (B1) (Riverine)	
Surfac	e Water (A1)		Salt Crust (B11)	Sediment Deposits (B2) (Rive	erine)
High W	/ater Table (A2)		Biotic Crust (B12)	Drift Deposits (B3) (Riverine))
Satura	tion (A3)		Aquatic Invertebrates (B13)	Drainage Patterns (B10)	
Water	Marks (B1) (Nonriveri	ne)	Hydrogen Sulfide Odor (C1)	Dry-Season Water Table (C2	2)
Sedime	ent Deposits (B2) (Non	riverine)	Oxidized Rhizospheres along Living Roc	ts (C3) Thin Muck Surface (C7)	
Drift De	eposits (B3) (Nonriver i	ine)	Presence of Reduced Iron (C4)	Cravfish Burrows (C8)	

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) Thin Muck Surface (C7)
Drift Deposits (B3) (Nonriverine)	Presence of Reduced Iron (C4)	Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Recent Iron Reduction in Plowed Soi	ls (C6) Saturation Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)		FAC-Neutral Test (D5)
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)		veiland Hydrology Present? Tes () No (
Describe Recorded Data (stream gauge, monitoring	weil, aenai photos, previous inspectior	is), if available:
Remarks:		

Project/Site: Campo Wind	City/County: Campo/San Dieg	Sampling Date: 9/25/18		
Applicant/Owner: Various	Sta	ate:CA	Sampling Point:DS	2b
Investigator(s):C. Amoaku, P, Schuyler	Section, Township, Range:			
Landform (hillslope, terrace, etc.): Hillslope	Local relief (concave, convex, n	Slope (%): 5		
Subregion (LRR):C - Mediterranean California	Long:		Datum:	
Soil Map Unit Name:		NWI classifi	ication:	
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes 💿 No 🔿 (If	no, explain in l	Remarks.)	
Are Vegetation Soil or Hydrology Significantly	y disturbed? Are "Normal C	ircumstances"	present? Yes 💿	No 🔿
Are Vegetation Soil or Hydrology naturally pr	roblematic? (If needed, exp	plain any answ	ers in Remarks.)	
SUMMARY OF FINDINGS - Attach site map showing	sampling point location	s, transects	s, important feat	ures, etc.
Hydrophytic Vegetation Present? Yes (No (
Hydric Soil Present? Yes No 💿	Is the Sampled Area			
Wetland Hydrology Present? Yes O No 💿	within a Wetland?	Yes 🔿	No 💿	
Remarks: Hydrophytic vegetation adjacent to ponded water (DS 3)			

	Absolute	Dominant	Indicator	Dominance Test worksheet:			
I ree Stratum (Use scientific names.)	% Cover	Species?	Status	Number of Dominant Species			
1. Quercus agrifolia (canopy cover)	2	No	Not Listed	That Are OBL, FACW, or FAC: 2	(A)		
2				_ Total Number of Dominant			
3				Species Across All Strata: 4	(B)		
4				 Percent of Dominant Species 			
Total Cove Sapling/Shrub Stratum	r: 2 %			That Are OBL, FACW, or FAC: 50.0	% (A/B	3)	
1. Artemisia tridentata	20	Yes	Not Listed	Prevalence Index worksheet:			
2. Artemisia dracunculus	20	Yes	Not Listed	Total % Cover of: Multiply b	by:		
3. Arctostaphylos pungens	2	No	Not Listed	OBL species 30 x 1 =	30		
4.		·		FACW species 80 x 2 =	160		
5.		·		FAC species x 3 =	0		
Total Cover	42 %	-		FACU species x 4 =	0		
Herb Stratum				UPL species $46 \times 5 =$	230		
1. Juncus mexicanus	80	Yes	FACW	Column Totals: 156 (A)	420 ((B)	
² .Anemopsis californica	30	Yes	OBL				
³ .Carduus pycnocephalus	2	No	Not Listed	Prevalence Index = B/A = 2.69			
4.				Hydrophytic Vegetation Indicators:			
5.				Dominance Test is >50%			
6.				Prevalence Index is $\leq 3.0^1$			
7.				Morphological Adaptations ¹ (Provide su	upporting		
8.					Teel)		
Total Cover	112%				-xpiairi)		
Woody Vine Stratum				¹ Indicators of hydric soil and watland hydr		ot	
1				be present.	Jiogy mus	51	
2							
Total Cover	: %			Hydrophytic Vegetation			
% Bare Ground in Herb Stratum% % Cover	of Biotic C	Crust	%	Present? Yes No			
Remarks:							

Profile Des	scription: (Describe to Matrix	o the depth	needed to docun	nent the ind	licator o	or confirm	n the absence of indicators.)
(inches)	Color (moist)	%	Color (moist)	% ·	Type ¹	Loc ²	Texture ³ Remarks
0-16	5Y 2.5/1	100 N/	/A				clay loam
¹ Type: C=0 ³ Soil Textur Hydric Soil	Concentration, D=Deple res: Clay, Silty Clay, Sa Indicators: (Applicable	tion, RM=R andy Clay, L to all LRRs	educed Matrix. .oam, Sandy Clay , unless otherwise	² Location: F Loam, Sand	PL=Pore y Loam,	Lining, RC Clay Loar	C=Root Channel, M=Matrix. m, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, Sand Indicators for Problematic Hydric Soils ⁴ :
Histoso Histic E Black H Hydrog Stratifie 1 cm N Deplete Thick E Sandy Sandy Restrictive	bl (A1) Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) (LRR C) Muck (A9) (LRR D) ed Below Dark Surface Dark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) E Layer (if present):	(A11)	Sandy Redo: Stripped Ma Loamy Muc Depleted Ma Redox Dark Depleted Da Redox Depl Vernal Pool	x (S5) atrix (S6) ky Mineral (F ed Matrix (F3) atrix (F3) a Surface (F6 ark Surface (ressions (F8 s (F9)	=1) (2) (F7))		 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks)
Depth (ii	nches):						Hydric Soil Present? Yes O No 💿
Remarks:							
Wetland Hy	vdrology Indicators:						Secondary Indicators (2 or more required)
Primary Ind	licators (any one indicat	or is sufficie	ent)				Water Marks (B1) (Riverine)
	e Water (A1)		Salt Crust	(B11)			Sediment Deposits (B2) (Riverine)
High W	/ater Table (A2)		Biotic Crus	st (B12)			Drift Deposits (B3) (Riverine)
Saturat	tion (A3)		Aquatic Inv	vertebrates (B13)		Drainage Patterns (B10)
Water I	Marks (B1) (Nonriverin	e)	Hydrogen	Sulfide Odor	r (C1)		Dry-Season Water Table (C2)
Sedime	ent Deposits (B2) (Non i	riverine)	Oxidized F	Rhizospheres	s along l	_iving Roo	ots (C3) Thin Muck Surface (C7)
Drift De	eposits (B3) (Nonriveri	ne)	Presence	of Reduced	Iron (C4)	Crayfish Burrows (C8)
Surface	e Soil Cracks (B6)		Recent Iro	n Reduction	in Plow	ed Soils (C	C6) Saturation Visible on Aerial Imagery (C9)

Other (Explain in Remarks)

Depth (inches):

Depth (inches):

Depth (inches):

Yes 🔿

Yes 🔿

Yes 🔿

No 💿

No 💿

No 💿

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

Inundation Visible on Aerial Imagery (B7)

Water-Stained Leaves (B9)

Field Observations:

Surface Water Present?

(includes capillary fringe)

Water Table Present?

Saturation Present?

Remarks:

С

 (\bullet)

No

Shallow Aquitard (D3)

FAC-Neutral Test (D5)

Wetland Hydrology Present? Yes

Project/Site: Campo Wind		City/County: Campo/San D	Sampling	Sampling Date: 9/25/2018		
Applicant/Owner: Various			State:CA	Sampling I	Point: DS 3	
Investigator(s): Callie Amoaku, Patricia Schuyler		Section, Township, Range:				
Landform (hillslope, terrace, etc.): Spring		Local relief (concave, conve	ex, none):None		Slope (%): ()	
Subregion (LRR):C - Mediterranean California	Lat:	Lon	g:		Datum:	
Soil Map Unit Name:			NWI clas	sification:		
Are climatic / hydrologic conditions on the site typical for the	his time of y	ear? Yes 💿 No 🔿	(If no, explain i	in Remarks.)		
Are Vegetation Soil or Hydrology	significantly	y disturbed? Are "Norm	al Circumstance	s" present? Y	es 💿 🛛 No 🔿	
Are Vegetation Soil or Hydrology	naturally pr	oblematic? (If needed	, explain any ans	swers in Remar	rks.)	
SUMMARY OF FINDINGS - Attach site map	All Campo Wind Output Outp					
Hydrophytic Vegetation Present? Yes (No 🔘					
Hydric Soil Present? Yes 💿	No 🔘	Is the Sampled Area	1			
Wetland Hydrology Present? Yes 💿	No 🔘	within a Wetland?	Yes	• No (
Remarks: Concrete-walled basin/spring with earthe	en bottom;	fenced.				

	Absolute	Dominant	Indicator	Dominance Test workshe	et:		
Tree Stratum (Use scientific names.) 1.	% Cover	Species?	Status	Number of Dominant Speci That Are OBL, FACW, or F	es AC: 1	()	A)
2				-	1	(*	.,
3				Total Number of Dominant	1	(1	D)
3					1	(1	D)
4				 Percent of Dominant Specie 	es		
Sapling/Shrub Stratum	r: %			That Are OBL, FACW, or F	AC: 100	.0 % (A	4/B)
1.				Prevalence Index worksh	eet:		
2.				Total % Cover of:	Multiply	' by:	
3.		·		OBL species 100	x 1 =	100	
4.				FACW species	x 2 =	0	
5				FAC species	x 3 =	0	
Total Cover	r: %			FACU species	x 4 =	0	
Herb Stratum				UPL species	x 5 =	0	
¹ . <i>Typha latifolia</i>	100	Yes	OBL	Column Totals: 100	(A)	100	(B)
2)/A -	1.00	
3.					3/A =	1.00	
4.				Hydrophytic Vegetation I	idicators:		
5.				X Dominance Test is >50	1%		
6.				Prevalence Index is ≤3	.0'		
7.				Morphological Adaptat - data in Remarks or	ons ¹ (Provide son a separate	supporting sheet)	g
8				Problematic Hydrophyl	ic Vegetation ¹	(Explain)	
Woody Vine Stratum	r: 100%					()	
1.				¹ Indicators of hydric soil an	nd wetland hyd	łrology m	nust
2.				be present.			
Total Cover	r: %			Hydrophytic			
% Bare Ground in Herb Stratum% % Cover	r of Biotic C	Crust	%	Present? Yes	No 🔿		
Remarks:							

Profile Desc	cription: (Describe t	o the depth n	eeded to docu	nent the i	ndicator	or confirm	the absence of indicators.)	
Depth	Matrix		Redo	x Features	; 1		- , 3 - .	
(inches)	Color (moist)	<u>%</u> C	olor (moist)	<u>%</u>	Type '	LOC ²	Remark	(S
¹ Type: C=C	oncentration, D=Deple	etion, RM=Rec	luced Matrix.	² Location	: PL=Pore	Lining, RO	C=Root Channel, M=Matrix.	
³ Soil Texture	es: Clay, Silty Clay, S	andy Clay, Loa	am, Sandy Clay	Loam, Sa	ndy Loam	, Clay Loar	n, Silty Clay Loam, Silt Loam, Silt, Loamy	Sand, Sand.
Hydric Soil I	ndicators: (Applicable	e to all LRRs, u	Inless otherwise	e noted.)			Indicators for Problematic Hydric Soils	4 5:
Histosol	(A1)		Sandy Redo	x (S5)			1 cm Muck (A9) (LRR C)	
Histic E	pipedon (A2)		Stripped Ma	atrix (S6)			2 cm Muck (A10) (LRR B)	
Black H	stic (A3)		Loamy Muc	ky Minera	l (F1)		Reduced Vertic (F18)	
Hydroge	en Sulfide (A4)		Loamy Gley	ed Matrix	(F2)		Red Parent Material (TF2)	
Stratifie	d Layers (A5) (LRR C)	Depleted M	atrix (F3)			\mathbf{X} Other (Explain in Remarks)	
1 cm Mu	uck (A9) (LRR D)		Redox Dark	Surface (F6)			
Deplete	d Below Dark Surface	(A11)	Depleted D	ark Surfac	e (F7)			
Thick Da	ark Surface (A12)		Redox Dep	ressions (F	-8)		4	
Sandy N	lucky Mineral (S1)		Vernal Poo	s (F9)			⁴ Indicators of hydrophytic vegetation a	ind
Sandy G	Bleyed Matrix (S4)						wetland hydrology must be presen	t.
Restrictive	Layer (if present):							
Type:			_					
Depth (in	ches):						Hydric Soil Present? Yes 💿	No
Remarks: C	ould not access due	to fencing.	Assumed hydi	ric soils d	ue to per	ennial wa	ter present.	
		C	5		1			
HYDROLO	GY							

Wetland Hydrology 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)
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 Livir	ng Roots (C3) Thin Muck Surface (C7)
Drift Deposits (B3) (Nonriverine)	Crayfish Burrows (C8)
Surface Soil Cracks (B6)	Soils (C6) Saturation Visible on Aerial Imagery (C9)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches): unknown	
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 inspec	tions), if available:
Remarks:	

Project/Site: Campo Wind	ect/Site: Campo Wind			_ City/County: Campo/San Diego				Sampling Date: 7/17/18 & 9/25		
Applicant/Owner: Various					State:CA	Samp	ling Point: DS	4		
Investigator(s): M. O'Conner, M. Fo	orgey, C. Amo	aku, P. Schu	Section, Townsh	ip, Range:	_					
Landform (hillslope, terrace, etc.): dra	inage channel		Local relief (con	cave, conve	x, none):None		Slope (%): 10		
Subregion (LRR):C - Mediterranean	California	Lat:	-	Lon	g:		Datum:			
Soil Map Unit Name:					NWI class	fication:				
Are climatic / hydrologic conditions on	the site typical fo	or this time of ye	ear? Yes 💿	No	(If no, explain in	Remarks	s.)			
Are Vegetation Soil or	Hydrology	significantly	/ disturbed?	Are "Norm	al Circumstances	" present	?Yes 💽	No 🔿		
Are Vegetation Soil or	Hydrology	naturally pro	oblematic?	(If needed,	explain any answ	vers in Re	emarks.)			
SUMMARY OF FINDINGS - A	ttach site m	ap showing	ı sampling po	oint locati	ons, transect	s, impo	ortant featu	res, etc.		
Hydrophytic Vegetation Present?	Yes 🔘	No 💿								
Hydric Soil Present?	Yes 🔘	No 💿	Is the Sa	mpled Area						
Wetland Hydrology Present?	Yes 💽	No 🔘	within a	Wetland?	Yes 🤇) N	lo 💿			
Remarks:										

	Absolute	Dominant	Indicator	Dominance Test v	vorksheet	:		
Tree Stratum (Use scientific names.)	% Cover	Species?	Status	Number of Domina	nt Species			
1. <i>Salix lasiolepis</i>	20	Yes	FACW	That Are OBL, FAC	CW, or FAC	C: 1		(A)
2.Quercus agrifolia	5	No	Not Listed	Total Number of D	ominant			
3				Species Across All	Strata:	3		(B)
4.				Percent of Domina	nt Snecies			
Total Cove	r: 25 %			That Are OBL, FACW, or FAC: 33.3 % (A/E			(A/B)	
1. Artemisia dracunculus	5	Yes	Not Listed	Prevalence Index	workshee	t:		
2. Ericameria linearifolia	1	No	Not Listed	Total % Cover	of:	Multiply	by:	_
3.				OBL species		x 1 =	0	
4.				FACW species	20	x 2 =	40	
5.				FAC species	2	x 3 =	6	
Total Cover	6 %			FACU species		x 4 =	0	
Herb Stratum	0			UPL species	26	x 5 =	130	
1.Bromus tectorum	10	Yes	Not Listed	Column Totals:	48	(A)	176	(B)
² .Avena barbata	3	No	Not Listed					
³ . <i>Eriastrum densifolium</i>	2	No	NI	Prevalence Ir	1 dex = B/A	\ =	3.67	
4. Urtica dioica	1	No	FAC	Hydrophytic Vege	etation Ind	icators:		
5.Rumex crispus	1	No	FAC	Dominance Te	est is >50%	I		
6.				Prevalence Inc	dex is ≤3.0	1		
7.				Morphological	Adaptation	ns ¹ (Provide s	supporti	ng
8.						λ a separate s	Evoloir	
Total Cover	17 %				yuropriyuc	vegetation (cxpiali)
Woody Vine Stratum								
1				 Indicators of hydr be present 	ic soil and	wetland hyd	rology	must
2								
Total Cover	: %			Hydrophytic				
% Bare Ground in Herb Stratum 50 % % Cover	of Biotic C	Crust	%	Present?	Yes ()	No 💿		
Remarks:				_				

Profile De	scription: (Describe	e to the de	pth needed to docur	nent the inc	dicator	or confirm	m the absence of indicators.)
Depth (inches)	Color (moist)	%	Color (moist)	x Features	Type ¹		Texture ³ Remarks
0-6	7 5YR 4/2	100	N/A		. , po		Sand
6-16	$-\frac{7.5 \text{ TR } 1/2}{7.5 \text{ VR } 3/3}$	$-\frac{100}{100}$	$\frac{N/A}{N/A}$				Sandy loam
	7.51K 5/5						
				·			
				·			·
				·			
¹ Type: C=	Concentration, D=De	pletion, RI	/I=Reduced Matrix.	² Location: F	PL=Pore	Lining, R	RC=Root Channel, M=Matrix.
³ Soil Textu	ires: Clay, Silty Clay,	Sandy Cla	ay, Loam, Sandy Clay	Loam, Sand	ly Loam	Clay Loa	am, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, Sand.
Hydric Soil	I Indicators: (Applica	ble to all L	RRs, unless otherwise	noted.)			Indicators for Problematic Hydric Soils:
	Enipedon (A2)		Sandy Redo	x (55) atrix (S6)			\square 2 cm Muck (A9) (LRR C)
Black	Histic (A3)		Loamy Muc	ky Mineral (F1)		Reduced Vertic (F18)
Hydrog	gen Sulfide (A4)		Loamy Gley	/ed Matrix (F	2)		Red Parent Material (TF2)
Stratifi	ied Layers (A5) (LRR	C)	Depleted M	atrix (F3)			Other (Explain in Remarks)
1 cm N	Muck (A9) (LRR D)		Redox Dark	Surface (F6	5)		
Deplet	ted Below Dark Surfa	ce (A11)	Depleted Da	ark Surface	(F7)		
Thick I	Dark Surface (A12)		Redox Dep	ressions (F8	5)		
Sandy	Mucky Mineral (S1)		Vernal Pool	s (F9)			⁴ Indicators of hydrophytic vegetation and
Sandy	Gleyed Matrix (S4)						wetland hydrology must be present.
Restrictive	e Layer (if present):						
Type:							
Depth (i	inches):						Hydric Soil Present? Yes No (
Remarks:							
HYDROL	OGY						
Wetland H	lydrology Indicators	:					Secondary Indicators (2 or more required)
Primary Inc	dicators (any one indi	cator is su	fficient)				Water Marks (B1) (Riverine)
Surfac	ce Water (A1)		Salt Crust	(B11)			Sediment Deposits (B2) (Riverine)
High V	Vater Table (A2)		Biotic Crus	st (B12)			Drift Deposits (B3) (Riverine)
Satura	ation (A3)		Aquatic In	vertebrates	(B13)		Drainage Patterns (B10)

Hydrogen Sulfide Odor (C1)

Other (Explain in Remarks)

Depth (inches):

Depth (inches):

Depth (inches):

Presence of Reduced Iron (C4)

Oxidized Rhizospheres along Living Roots (C3)

Recent Iron Reduction in Plowed Soils (C6)

(includes capillary fringe) Wetland Hydrology Present? Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

No 💿

No 💿

No 💿

Remarks:

Water Marks (B1) (**Nonriverine**) Sediment Deposits (B2) (**Nonriverine**)

Drift Deposits (B3) (Nonriverine)

Inundation Visible on Aerial Imagery (B7)

Yes ()

Yes 🔿

Yes 🔿

Surface Soil Cracks (B6)

Water-Stained Leaves (B9)

Field Observations: Surface Water Present?

Water Table Present?

Saturation Present?

Dry-Season Water Table (C2)

Saturation Visible on Aerial Imagery (C9)

Yes

No 🔿

Thin Muck Surface (C7)

Crayfish Burrows (C8)

Shallow Aquitard (D3)

FAC-Neutral Test (D5)

Project/Site: Campo Wind		City/Cou	nty: Campo/	San Diego	Sampling Date: 8/1/18&9/25/18		
Applicant/Owner: Various				State:CA	Sampling Po	oint: DS 5a	
Investigator(s): S. Lawrence, B. Mulrooney, C. Amoak	u, P. Soh	Section,	Township, Ra	ange:			
Landform (hillslope, terrace, etc.): basin		Local relief (concave, convex, none): concave			Slope (%):()		
Subregion (LRR):C - Mediterranean California	Lat:	-	Long: Datum:				
Soil Map Unit Name:				NWI classific	ation:		
Are climatic / hydrologic conditions on the site typical for this	s time of ye	ear? Yes	No ((If no, explain in R	emarks.)		
Are Vegetation Soil or Hydrology s	ignificantly	/ disturbe	d? Are	"Normal Circumstances"	present? Ye	s 💿 🛛 N	0 ()
Are Vegetation Soil or Hydrology n	aturally pr	oblematic	:? (If n	eeded, explain any answe	rs in Remark	s.)	<u> </u>
SUMMARY OF FINDINGS - Attach site map s	showing	ı sampl	ina point l	ocations, transects	. importan	t feature	s. etc.
		,b.			,		-,
Hydrophytic Vegetation Present? Yes	0 🔘						
Hydric Soil Present? Yes 💿 No	0 🔘	ls	s the Sample	d Area			
Wetland Hydrology Present? Yes No	0 🔘	w	/ithin a Wetla	nd? Yes 🔘	No 🔿		
VEGETATION	Absolute % Cover	Domina	nt Indicator	Dominance Test work	sheet:		
1 Salir lasiolonia	10			Number of Dominant S	pecies	2	(A)
2 Tamarix (chinansis) ramosissima	10	$\frac{105}{No}$	FAC W		UI FAC.	3	(A)
3 Salix axigua	· <u> </u>	$-\frac{100}{No}$	FAC FACW	Total Number of Domin	ant	4	(P)
4 Populus framontii	· <u> </u>	$\frac{100}{No}$	Not Listed		ild.	4	(D)
Total Cover	r: 13 %			 Percent of Dominant S That Are OBL, FACW, 	pecies or FAC:	75.0 %	(A/B)
Sapling/Shrub Stratum	0			Drevelence Index wer	lea h a a te		
1. Baccharis salicifolia	8	Yes	FAC	- Total % Cover of	KSIIEET:	ultiply by:	
<u>2</u>							-
0.					×1-	50	

Sapling/Shrub Stratum								
1.Baccharis salicifolia	8	Yes	FAC	Prevalence Index	workshe	et:		
2.				Total % Cover	of:	Multi	ply by:	
3.				OBL species		x 1 =	0	
4.				FACW species	26	x 2 =	52	
5.				FAC species	15	x 3 =	45	
Total Cover:	8 %			FACU species	3	x 4 =	12	
Herb Stratum				UPL species	11	x 5 =	55	
¹ .Hirschfeldia incana	10	Yes	Not Listed	Column Totals:	55	(A)	164	(B)
² .Persicaria lapathifolia	10	Yes	FACW					
³ . <i>Rumex crispus</i>	5	No	FAC	$\frac{1}{2.98}$				
4. Polypogon monspeliensis	5	No	FACW	Hydrophytic Vegetation Indicators:				
5. Xanthium strumarium	1	No	FAC	X Dominance Te	st is >50'	%		
6. Chenopodium album	1	No	FACU	Prevalence Ind	ex is ≤3.	.0 ¹		
7. <i>Heliotropium curassavicum</i>	1	No	FACU	Morphological	Adaptatio	ons ¹ (Provid	le supportir	ng
8. Erigeron canadensis	1	No	FACU		idiks Ul (ne sneet) n ¹ (Evalain)	`
Total Cover: Woody Vine Stratum	34 %				αιορηγι	c vegetatio	n (⊏xpiain))
1.				¹ Indicators of hydri	c soil an	d wetland I	nydrology n	nust
2.				be present.				
Total Cover:	%			Hydrophytic Vegetation				
% Bare Ground in Herb Stratum 50% % Cover c	of Biotic	Crust	%	Present?	Yes 🖲	No	0	
Remarks:				1				

Depth	Matrix	Redox Features	
(inches) Co	olor (moist) %	Color (moist) % Type ¹ Loc ²	Texture ³ Remarks
		·	
· ·			
Type: C=Concen	tration, D=Depletion, RN	A=Reduced Matrix. ² Location: PL=Pore Lining, F	RC=Root Channel, M=Matrix.
Soil Textures: Cla	ay, Silty Clay, Sandy Cla	iy, Loam, Sandy Clay Loam, Sandy Loam, Clay Loa	am, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, Sand
Hydric Soil Indicat	ors: (Applicable to all LF	RRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils:
Histosol (A1)	(10)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedo	on (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A	13) 5-1- (A A)		Reduced Vertic (F18)
Hydrogen Sun		Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Laye	ers (A5) (LRR C)	Depleted Matrix (F3)	Other (Explain in Remarks)
	9) (LRR D)	Redox Dark Surface (F6)	
Depleted Belo	W Dark Surface (A11)	Depleted Dark Surface (F7)	
	rface (A12)	Redox Depressions (F8)	4
Sandy Mucky	Mineral (S1)		indicators of hydrophytic vegetation and
Sandy Gleyed			wetland hydrology must be present.
destrictive Layer	(if present):		
Туре:			
			Hydric Soil Present? Ves A No
Depth (inches):			Hydric Soll Flesent: Tes V NO
Depth (inches): Remarks: Assume	ed hydric soils based	on saturation and inundation on aerial	
Depth (inches): Remarks: Assume	ed hydric soils based	on saturation and inundation on aerial	Hydric Son Present: Tes () No ()
Depth (inches): Remarks: Assum	ed hydric soils based	on saturation and inundation on aerial	
Depth (inches): Remarks: Assum	ed hydric soils based	on saturation and inundation on aerial	Hydric Son Present: Tes () No ()
Depth (inches): Remarks: Assum	ed hydric soils based	on saturation and inundation on aerial	Hydric Son Present: Tes () No ()
Depth (inches): Remarks: Assum YDROLOGY Wetland Hydrolog	ed hydric soils based	on saturation and inundation on aerial	Secondary Indicators (2 or more required)
Depth (inches): Remarks: Assum YDROLOGY Wetland Hydrolog Primary Indicators	ed hydric soils based	on saturation and inundation on aerial	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)

	indicator is sufficien			water warks (DT) (Riverne)				
X Surface Water (A1)		Salt Crust (B11)			\square	Sediment Deposits (B2) (Riverine)		
High Water Table (A2)		Biotic Crust (B12	2)		\square	Drift Deposits (B3) (Riverine)		
X Saturation (A3)		Aquatic Inverteb	rates (B13)		Π	Drainage Patterns (B10)		
Water Marks (B1) (Noni	riverine)	Hydrogen Sulfide	e Odor (C1)		П	Dry-Season Water Table (C2)		
Sediment Deposits (B2)	(Nonriverine)	Oxidized Rhizos	Oxidized Rhizospheres along Living Roots (C3)			Thin Muck Surface (C7)		
Drift Deposits (B3) (Non	riverine)	Presence of Red	luced Iron (C4)		П	Crayfish Burrows (C8)		
X Surface Soil Cracks (B6))	Recent Iron Red	uction in Plowed	Soils (C6)	П	Saturation Visible on Aerial Imagery	(C9)	
Inundation Visible on Ae	Inundation Visible on Aerial Imagery (B7)							
Water-Stained Leaves (B9)	X	FAC-Neutral Test (D5)					
Field Observations:			<u> </u>					
Surface Water Present?	Yes 💿 No	O Depth (inches):	4 inches					
Water Table Present?	Yes 🔿 No	Depth (inches):						
Saturation Present? (includes capillary fringe)	Yes 🔿 No	• Depth (inches):		Depth (inches): Wetland Hydrology Presen			0	
(Includes capillary fringe)								
Describe Recorded Data (str	ream gauge, monito	pring well, aerial photos	, previous inspec	tions), if availat	ole:			
Describe Recorded Data (str	ream gauge, monitc	pring well, aerial photos	, previous inspec	tions), if availat	ole:			
Describe Recorded Data (str	ream gauge, monitc	pring well, aerial photos	s, previous inspec	tions), if availat	ole:			
Describe Recorded Data (str Remarks:	ream gauge, monitc	pring well, aerial photos	s, previous inspec	tions), if availal	ole:			
Describe Recorded Data (str Remarks:	ream gauge, monitc	pring well, aerial photos	s, previous inspec	tions), if availat	ole:			
Describe Recorded Data (str Remarks:	ream gauge, monitc	pring well, aerial photos	s, previous inspec	tions), if availat	ole:			
Describe Recorded Data (str Remarks:	ream gauge, monitc	pring well, aerial photos	s, previous inspec	tions), if availat	ole:			

Project/Site: Campo Wind		_ City/County: Campo/San Diego			Sampling Date: 9/25/2018			
Applicant/Owner: Various			_		State:CA	Sampling	g Point: DS	5b
Investigator(s): Callie Amoaku, Patricia	a Schuyler		Section, Township, Range:					
Landform (hillslope, terrace, etc.): basin			Local relief (concave, convex, none): concav			ve Slope (%): 0		
Subregion (LRR):C - Mediterranean Ca	lifornia	Lat:	-	Long	g:	Datum:		
Soil Map Unit Name:					NWI class	ification:		
Are climatic / hydrologic conditions on the	site typical fo	or this time of y	ear?Yes 💿	No	(If no, explain in	Remarks.)		
Are Vegetation Soil or Hydr	rology	significantly	tly disturbed? Are "Normal Circumstances" present? Yes 💿 No 🤇					No 🔿
Are Vegetation Soil or Hydr	rology	naturally pr	roblematic?	(If needed,	explain any ans	wers in Rem	arks.)	
SUMMARY OF FINDINGS - Atta	ch site m	ap showing	g sampling p	oint locatio	ons, transect	ts, import	tant featu	ires, etc.
Hydrophytic Vegetation Present?	Yes 💿	No 💿						
Hydric Soil Present?	Yes 🔘	No 💿	Is the S	ampled Area				
Wetland Hydrology Present?	Yes 🜘	No 🔘	within	a Wetland?	Yes (No	\bigcirc	

Remarks:

	Absolute	Dominant	Indicator	Dominance Test	worksheet	:		
Tree Stratum (Use scientific names.)	% Cover	Species?	Status	Number of Domina	ant Species	5		
1				That Are OBL, FA	CW, or FA	C: 0		(A)
2				Total Number of D	ominant			
3.				Species Across All	Strata:	1		(B)
4.				Percent of Domina	nt Spacias			
Total Cove Sapling/Shrub Stratum	r: %			That Are OBL, FA	CW, or FA	C: 0.0	%	(A/B)
1.Ambrosia psilostachya	15	Yes	FACU	Prevalence Index worksheet:				
2. Artemisia tridentata	10	No	Not Listed	Total % Cover of: Multiply by:			_	
3. Baccharis salicifolia	5	No	FAC	OBL species		x 1 =	0	
4.		·		FACW species		x 2 =	0	
5.		·		FAC species	5	x 3 =	15	
Total Cover	: 30 %			FACU species	15	x 4 =	60	
Herb Stratum				UPL species	10	x 5 =	50	
1.				Column Totals	20	(A)	125	(B)
2.					50	(,,)	120	(-)
3.		·		Prevalence li	ndex = B/A	4 =	4.17	
4.				Hydrophytic Vege	etation Ind	icators:		
5.				Dominance Te	est is >50%)		
6.				Prevalence Inc	dex is ≤3.0	1		
7				Morphological	Adaptation	ns ¹ (Provide s	upporti	ng
8.				data in Rer	narks or or	n a separate s	sheet)	
Total Cover				- Problematic H	ydrophytic	Vegetation ¹ (Explain)
Woody Vine Stratum	. %							
1.				¹ Indicators of hydr	ic soil and	wetland hyd	rology i	must
2.		·		be present.				
Total Cover	. %			Hydrophytic Vegetation				
% Bare Ground in Herb Stratum% % Cover	r of Biotic C	Crust	%	Present?	Yes ()	No 💿		
Remarks:								

Profile Des	cription: (Describe	to the de	oth needed to docur	nent the i	indicator of	or confir	m the absence of indic	ators.)
Depth	Matrix		Redox	<pre>K Features</pre>	3			-
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks
0-4	10YR 4/4	100	N/A				sandy loam	
4-16	10YR 3/4	100	N/A				clay loam	
				· ·				
		·		· ·				
		. <u> </u>						
¹ Type: C=0	Concentration, D=Depl	letion, RM	=Reduced Matrix.	² Location	: PL=Pore	Lining, F	RC=Root Channel, M=Ma	atrix.
³ Soil Textur	es: Clay, Silty Clay, S	Sandy Cla	y, Loam, Sandy Clay	Loam, Sa	ndy Loam,	, Clay Lo	am, Silty Clay Loam, Silt	Loam, Silt, Loamy Sand, Sand.
Hydric Soil	Indicators: (Applicabl	le to all LF	Rs, unless otherwise	noted.)			Indicators for Proble	ematic Hydric Soils:
Histoso	ol (A1)		Sandy Redox	x (S5)			1 cm Muck (A9) (LRR C)
Histic E	Epipedon (A2)		Stripped Ma	atrix (S6)			2 cm Muck (A1	0) (LRR B)
Black H	Histic (A3)		Loamy Muc	ky Minera	l (F1)		Reduced Vertic	c (F18)
Hydrog	jen Sulfide (A4)		Loamy Gley	ed Matrix	: (F2)		Red Parent Ma	terial (TF2)
Stratifie	ed Layers (A5) (LRR C	C)	Depleted M	atrix (F3)			Other (Explain	in Remarks)
1 cm N	luck (A9) (LRR D)		Redox Dark	Surface	(F6)			
	ed Below Dark Surface	e (A11)	Depleted Da	ark Surfac	ce (F7)			
Thick E	Dark Surface (A12)		Redox Depr	ressions (F8)		4	
Sandy	Mucky Mineral (S1)		Vernal Pool	s (F9)			*Indicators of hydro	phytic vegetation and
Sandy	Gleyed Matrix (S4)							gy must be present.
Restrictive	Layer (if present):							
Type:								
Depth (II	nches):						Hydric Soil Present	t? Yes () No (•)
Remarks:								
	DGV							
							Cocondon/Ind	licetore (2 or more required)
	yarology indicators:							
Primary Ind	icators (any one indica	ator is suf						
Surface	e Water (A1)		Salt Crust	(B11)			Sediment	Deposits (B2) (Riverine)
High W	/ater Table (A2)		Biotic Crus	st (B12)			Drift Depo	osits (B3) (Riverine)
Saturat	tion (A3)		Aquatic Inv	vertebrate	es (B13)		X Drainage	Patterns (B10)
Water	Marks (B1) (Nonriveri	ine)	Hydrogen	Sulfide O	dor (C1)		Dry-Seaso	on Water Table (C2)
Sedime	ent Deposits (B2) (Nor	nriverine)	Oxidized F	Rhizosphe	res along l	Living Ro	oots (C3) 🗍 Thin Muck	s Surface (C7)
🛛 🗙 Drift De	eposits (B3) (Nonriver	rine)	Presence	of Reduce	ed Iron (C4	·)	Crayfish B	Burrows (C8)
Surface	e Soil Cracks (B6)		Recent Iro	n Reducti	on in Plow	ed Soils	(C6) Saturation	Visible on Aerial Imagery (C9)
🔀 Inunda	tion Visible on Aerial I	magery (E	37) 🗍 Other (Exp	olain in Re	emarks)		Shallow A	quitard (D3)
Water-	Stained Leaves (B9)				,		FAC-Neut	ral Test (D5)
Field Obse	rvations:							
Surface Wa	ater Present? Ye	es 🔿	No (Depth (ind	ches):				

Saturation Present?	Yes 🔿	No 💽	Depth (inches):			
(includes capillary fringe)	\sim	\bigcirc			Wetland Hydrology Present?	Yes
Describe Recorded Data ((stream gauge, i	monitoring	well, aerial photos, p	previous inspec	tions), if available:	

Depth (inches):

Depth (inches):

No 💽

Yes 🔿

Remarks:

Water Table Present?

Saturation Present?

 (\bullet)

No 🔿

Applicant/Owner: Various St Investigator(s): S. Lawrence, C. Amoaku, P. Schuyler Section, Township, Range: Landform (hillslope, terrace, etc.): Local relief (concave, convex, n Subregion (LRR): C - Mediterranean California Lat: Soil Map Unit Name: Local relief (concave, convex, n	none): <u>None</u>	Sampling Point: DS 6a Slope (%): Datum:				
Investigator(s): S. Lawrence, C. Amoaku, P. Schuyler Section, Township, Range: Landform (hillslope, terrace, etc.): Local relief (concave, convex, n Subregion (LRR):C - Mediterranean California Lat: Soil Map Unit Name: Local relief (concave, convex, n)	none): <u>None</u> NWI classifica	Slope (%): Datum:				
Landform (hillslope, terrace, etc.): Local relief (concave, convex, n Subregion (LRR): - Mediterranean California Lat: Long: Soil Map Unit Name:	none): <u>None</u>	Slope (%): Datum:				
Subregion (LRR): C - Mediterranean California Lat: Long: Soil Map Unit Name:	NWI classifica	Datum:				
Soil Map Unit Name:	NWI classifica					
	NWI classification:					
Are climatic / hydrologic conditions on the site typical for this time of year? Yes (No () (If	no, explain in Re	emarks.)				
Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal C	Circumstances" pr	resent? Yes 💿 No 🔿				
Are Vegetation Soil or Hydrology naturally problematic? (If needed, ex	plain any answer	s in Remarks.)				
SUMMARY OF FINDINGS - Attach site map showing sampling point location	s, transects,	important features, etc.				
Hydrophytic Vegetation Present? Yes 🦳 No 💿						
Hydric Soil Present? Yes No Is the Sampled Area						
Wetland Hydrology Present? Yes No within a Wetland?	Yes 🔿	No 💿				
Remarks:						

	Absolute	Dominant	Indicator	Dominance Test w	vorksheet			
Tree Stratum (Use scientific names.)	% Cover	Species?	Status	Number of Dominar	nt Species	6		
1.Salix lasiolepis	20	Yes	FACW	That Are OBL, FAC	W, or FAC	C: 3		(A)
2.Populus fremontii	5	No	Not Listed	Total Number of Do	minant			
3. Tamarix (chinensis) ramosissima	1	No	FAC	Species Across All	Strata:	6		(B)
4.				Percent of Dominar	nt Snacias			
Total Cove	r: 26 %			That Are OBL, FAC	W, or FA	C: 50	0 %	(A/B)
Sapling/Shrub Stratum								• •
1.Baccharis salicifolia	30	Yes	FAC	Prevalence Index worksheet:				
2				Total % Cover of:Multiply by:				-
3.				OBL species		x 1 =	0	
4.				FACW species	20	x 2 =	40	
5.				FAC species	36	x 3 =	108	
Total Cover	: 30 %			FACU species	1	x 4 =	4	
Herb Stratum				UPL species	26	x 5 =	130	
1.Artemisia tridentata	10	Yes	Not Listed	Column Totals:	83	(A)	282	(B)
² . Artemisia dracunculus	5	Yes	Not Listed		05			
³ .Medicago lupulina	5	Yes	FAC	Prevalence In	dex = B/A	4 =	3.40	
⁴ . <i>Schismus barbatus</i>	5	Yes	Not Listed	Hydrophytic Vege	tation Ind	licators:		
5. <i>Gutierrezia californica</i>	1	No	Not Listed	Dominance Tes	st is >50%	0		
6. Erigeron canadensis	1	No	FACU	Prevalence Ind	ex is ≤3.0	1		
7.				Morphological	Adaptatior	ns ¹ (Provide	support	ing
8.			·	data in Rem	arks or or	n a separate	sheet)	
Total Cover	27.0/			- Problematic Hy	drophytic	Vegetation	(Explair	ו)
Woody Vine Stratum	21 70							
1.				¹ Indicators of hydric	c soil and	wetland hy	drology	must
2.				be present.				
Total Cover	r: %			Hydrophytic				
% Bare Ground in Herb Stratum 50 % % Cover	r of Biotic (Crust	0/_	Vegetation Present?	Vos	No @		
	5. Biotio C		/ U				5	
Relidins.								

Profile Des	cription: (Describe t	o the depth i	needed to docu	ment the i	ndicator o	or confirm	the absence of in	dicators.)		
Depth	Matrix		Redo	x Features	;					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks		
0-16	10YR 5/4	100 N/A	A				sand			
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix. ² Location: PL=Pore Lining, RC=Root Channel, M=Matrix.										
³ Soil Textures: Clay, Silty Clay, Sandy Clay, Loam, Sandy Clay Loam, Sandy Loam, Clay Loam, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, Sand.										
Hydric Soil	Indicators: (Applicable	e to all LRRs,	unless otherwise	e noted.)			Indicators for Pr	oblematic Hydric Soils:		
Histoso	l (A1)		Sandy Redo	ox (S5)			1 cm Muck	(A9) (LRR C)		
Histic E	pipedon (A2)		Stripped M	atrix (S6)			2 cm Muck	(A10) (LRR B)		
Black F	listic (A3)			cky Minera	l (F1)		Reduced Ve	ertic (F18)		
Hydrog	en Sulfide (A4)	、 、	Loamy Gle	yed Matrix	(F2)		Red Parent Material (TF2) Other (Explain in Remarks)			
	ed Layers (A5) (LRR C)		latrix (F3) k Surface (E6)		Other (Expl	ain in Remarks)		
	d Below Dark Surface	(Δ11)		n Sunace (Jark Surfac	ο (F7)					
	ark Surface (A12)		Redox Dep	ressions (F	=8)					
Sandy	Mucky Mineral (S1)		Vernal Poo	ls (F9)	0)		⁴ Indicators of hv	drophytic vegetation and		
Sandy	Gleyed Matrix (S4)			- (-)			wetland hydr	ology must be present.		
Restrictive	Layer (if present):									
Type:										
Depth (ir	iches):						Hydric Soil Pres	ent? Yes No		
Remarks:							injune con rice			
rtemarks.										
)GY									
							Casardan	Indiantona (2 on more no suited)		
wetland Hy	drology indicators:		0				Secondary	Marka (D1) (Diversing)		
Primary Ind	icators (any one indica	tor is sufficier								
Surface	e Water (A1)		Salt Crust	t (B11)			Sedim	ent Deposits (B2) (Riverine)		
High W	ater Table (A2)		Biotic Cru	st (B12)			Drift D	eposits (B3) (Riverine)		
X Saturat	ion (A3)		Aquatic In	ivertebrate	s (B13)		Draina	ge Patterns (B10)		
X Water I	Marks (B1) (Nonriveri	1 e)	Hydrogen	Sulfide Oc	dor (C1)		Dry-Se	eason Water Table (C2)		
X Sedime	ent Deposits (B2) (Non	riverine)		Rhizosphe	res along l	Living Roo	ots (C3)	luck Surface (C7)		
X Drift De	eposits (B3) (Nonriver	ine)	Presence	of Reduce	d Iron (C4)		sh Burrows (C8)		
X Surface	e Soil Cracks (B6)		Recent Iro	on Reduction	on in Plow	ed Soils (0	C6) 🔄 Satura	tion Visible on Aerial Imagery (C9)		
X Inundat	tion Visible on Aerial Ir	nagery (B7)	Other (Ex	plain in Re	marks)		Shallo	w Aquitard (D3)		
Water-	Stained Leaves (B9)						FAC-N	leutral Test (D5)		
Field Obse	rvations:									
Surface Wa	ter Present? Ye	es 🔿 🛛 No	 Depth (in 	nches):						
Water Table	e Present? Ye	s 🔿 No	 Depth (in 	nches):						

 Saturation Present?
 Yes
 No
 Depth (inches):
 Wetland Hydrology Present?
 Yes

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

Remarks:

 (\bullet)

No C

Project/Site: Campo Wind		City/County: Campo/San Di	Sampling Date: 9/25/2018				
Applicant/Owner: Various			State:CA	Sampling Point: DS 6b			
Investigator(s): Callie Amoaku, Patricia Schuyler		Section, Township, Range:					
Landform (hillslope, terrace, etc.): basin		Local relief (concave, convex	ve Slope (%): 0				
Subregion (LRR):C - Mediterranean California	Lat:	Long	:	Datum:			
Map Unit Name: NWI classification:							
Are climatic / hydrologic conditions on the site typical for this	s time of y	ear? Yes 💿 No 🔿	(If no, explain ir	n Remarks.)			
Are Vegetation Soil or Hydrology s	significantly	y disturbed? Are "Norma	s" present? Yes 💿 🛛 No 🔿				
Are Vegetation Soil or Hydrology	naturally pr	oblematic? (If needed,	explain any ans	wers in Remarks.)			
SUMMARY OF FINDINGS - Attach site map s	showing	sampling point location	ons, transect	ts, important features, etc.			
Hydrophytic Vegetation Present? Yes 🕥 N	o 💿						
Hydric Soil Present? Yes 💿 N	0 🔘	Is the Sampled Area					
Wetland Hydrology Present? Yes N	0 🔘	within a Wetland?	Yes (No 💿			

Remarks: Small depression in overall basin that collects water for longer periods of time.

	Absolute	Dominant	Indicator	Dominance Test works	neet:		
Tree Stratum (Use scientific names.)	% Cover	Species?	Status	Number of Dominant Spe	cies		
1				That Are OBL, FACW, or	FAC:	0	(A)
2.				Total Number of Domina	nt		
3.				Species Across All Strata		5	(B)
4.				- Dereent of Deminent Cre	aiaa		
Total Cove	r: %			That Are OBL. FACW. or	FAC:	00 %	(A/B)
Sapling/Shrub Stratum				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, _,, _		0.0 /0	()
1. Artemisia dracunculus	2	Yes	Not Listed	Prevalence Index worksheet:			
² .Artemisia tridentata	2	Yes	Not Listed	Total % Cover of: Multiply by:			
3.				OBL species	x 1	= 0	
4.				FACW species	x 2	= 0	
5.				FAC species	х 3	= 0	
Total Cover	: 4 %			FACU species 1	x 4	= 4	
Herb Stratum				UPL species 10	x 5	= 95	5
¹ .Hirschfeldia incana	5	Yes	Not Listed	Column Totals: 20	(A)	99) (B)
² .Bromus madritensis	5	Yes	UPL				
³ . Schismus barbatus	5	Yes	Not Listed	Prevalence Index =	: B/A =	4.9	5
4. Heliotropium curassavicum	1	No	FACU	 Hydrophytic Vegetation 	Indicato	ors:	
5.				Dominance Test is >	50%		
6.				Prevalence Index is :	≤3.0 ¹		
7.				Morphological Adapt	ations ¹ (F	rovide suppo	rting
8.		·		data in Remarks o	or on a se	parate sheet)
Total Cover	16.0/			- Problematic Hydroph	ytic Vege	etation' (Expla	ain)
Woody Vine Stratum	10 70						
1.				¹ Indicators of hydric soil	and wetl	and hydrolog	y must
2.				be present.			
Total Cover	. %			Hydrophytic			
% Bare Ground in Herb Stratum 80% % Cover	of Biotic C	Crust	%	Present? Yes	0	No 💿	
Remarks:				1			

Profile Des	cription: (Describe t	o the dep	th needed to docun	nent the	indicator	or confirn	n the absence of indic	cators.)
Depth	Matrix		Redox	Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks
0-6	2.5YR 6/3	95	7.5YR 5/8	5	С	PL	clay loam	
6-16	2.5YR 6/3	70	5YR 5/6	5	С	PL	clay loam	
6-16	2.5YR 3/2	20	5YR 5/6	5	С	PL	clay loam	
						·		
¹ Type: C=0	Concentration, D=Depl	etion, RM	Reduced Matrix.		on: PL=Pore	e Lining, R	C=Root Channel, M=M	latrix.
-Soli Textur	es: Clay, Silty Clay, S		Re unless otherwise	Loam, S	andy Loan	i, Clay Loa	Im, Silty Clay Loam, Sil	t Loam, Silt, Loamy Sand, Sand.
Histoso	Indicators: (Applicable	e to all LR	Rs, unless otherwise	(S5)			1 cm Muck (AS	(I RR C)
Histic E	Epipedon (A2)		Stripped Ma	trix (S6))		2 cm Muck (A1	10) (LRR B)
Black H	listic (A3)		Loamy Mucl	ky Minei	ral (F1)		Reduced Verti	c (F18)
Hydrog	en Sulfide (A4)		Loamy Gley	ed Matr	ix (F2)		Red Parent Ma	aterial (TF2)
Stratifie	ed Layers (A5) (LRR C	;)	Depleted Ma	atrix (F3)		Other (Explain	in Remarks)
	luck (A9) (LRR D)	(Redox Dark	Surface	e (F6)			
	ed Below Dark Surface	e (A11)		ark Surta	ace (F7)			
	Mucky Mineral (S1)		X Vernal Pool	essions s (F9)	(го)		⁴ Indicators of hydro	ophytic vegetation and
Sandy	Gleved Matrix (S4)			3 (1 5)			wetland hydrolo	av must be present.
Restrictive	Laver (if present):							3,
Type:								
Depth (ii	nches):						Hvdric Soil Presen	t? Yes No
Remarks:	,							<u> </u>
HIDROLU								
Wetland Hy	vdrology Indicators:		· · .				Secondary Inc	dicators (2 or more required)
Primary Ind	icators (any one indica	ator is suff	icient)				Water Ma	arks (B1) (Riverine)
Surface	e Water (A1)		Salt Crust	(B11)			Sediment	Deposits (B2) (Riverine)
High W	ater Table (A2)		Biotic Crus	it (B12)				osits (B3) (Riverine)
	tion (A3)			ertebra	tes (B13)			Patterns (B10)
	viarks (B1) (Nonriverii	ne)				Living Do	Dry-Seas	on water Table (C2)
		iriverine)		f Dodu				
	Soil Cracks (B6)	iiie)			tion in Ploy	t) upd Spile (1		Nisible on Aerial Imageny (CQ)
	tion Visible on Aerial Ir	magany (B	7) Other (Evn	lain in E	(IOITIITEIOV Domarke)			Aquitard (D3)
Water-	Stained Leaves (B9)	nagery (D			(ciliarito)			tral Test (D5)
Field Obse	rvations:							
Surface Wa	iter Present? Ye	es 🔿	No Depth (inc	ches):				
Water Table	e Present? Ye		No Depth (inc	ches).				
Saturation I	Present?		No O Depth (inc	ches).				
(includes ca	apillary fringe)					Wetl	and Hydrology Prese	nt? Yes 💿 No 🔿
Describe R	ecorded Data (stream	gauge, mo	onitoring well, aerial p	photos, p	previous ins	pections),	if available:	
Remarks:								

Project/Site: Campo Wind		City/County: Ca	mpo/San Diego	Sampling Date: 8/2/18&9/25/1
Applicant/Owner: Various			State:CA	Sampling Point: DS 7a
Investigator(s): S. Lawrence, C. Amoaku, P	. Schuyler	Section, Towns	hip, Range:	
Landform (hillslope, terrace, etc.):		Local relief (co	ncave, convex, none):Nor	ne Slope (%):
Subregion (LRR):C - Mediterranean Califor	mia Lat:	_	Long:	 Datum:
Soil Map Unit Name:			NWI cl	assification:
Are climatic / hydrologic conditions on the site	typical for this time of y	/ear?Yes 💽	No (If no, expla	in in Remarks.)
Are Vegetation Soil or Hydrolog	y significantl	ly disturbed?	Are "Normal Circumstar	nces" present? Yes 💿 No 🔿
Are Vegetation Soil or Hydrolog	y 🗌 naturally p	roblematic?	(If needed, explain any a	answers in Remarks.)
SUMMARY OF FINDINGS - Attach	site map showing	g sampling p	oint locations, trans	ects, important features, etc.
Hydrophytic Vegetation Present? Yes	s 💿 🛛 No 💿			
Hydric Soil Present? Yes	6 💿 🛛 No 💿	Is the Sa	ampled Area	
Wetland Hydrology Present? Yes	s 💿 No 🕥	within a	Wetland? Yes	5 • No 🔿
Remarks: Sample point in collection basi	in in the sand pit are	a where sand a	nd gravel has been exca	wated.
VEGETATION				
Tree Stratum (Use scientific names.)	Absolute % Cover	Dominant India Species? Sta	cator Dominance Test	t worksheet:
1. Salix lasiolepis	40	Yes FACW	That Are OBL, FA	ACW, or FAC: 7 (A)
2.Salix exigua	20	Yes FACW	Total Number of	Dominant
3. Tamarix (chinensis) ramosissima		NO FAC	Species Across A	All Strata: 8 (B)

3.Tamarix (chinensis) ramosissima	10	No	FAC	Species Across All	Strata:		8	(B)
4.Populus fremontii	1	No	Not Listed	Percent of Dominar	t Specie	s		
Sapling/Shrub Stratum	71 %			That Are OBL, FAC	W, or FA	C: {	87.5 %	(A/B)
1.Baccharis salicifolia	2	Yes	FAC	Prevalence Index v	workshe	et:		
2. Artemisia tridentata	1	No	Not Listed	Total % Cover of: Multiply by:			_	
3.				OBL species	1	x 1 =	1	
4.				FACW species	61	x 2 =	122	
5.				FAC species	14	x 3 =	42	
Total Cover:	3 %			FACU species	1	x 4 =	4	
Herb Stratum				UPL species	2	x 5 =	10	
¹ .Erigeron canadensis	1	Yes	FACU	Column Totals:	79	(A)	179	(B)
² .Rumex crispus	1	Yes	FAC					
³ . <i>Xanthium strumarium</i>	1	Yes	FAC	Prevalence index = $B/A = 2.27$				
4. Polypogon monspeliensis	1	Yes	FACW	Hydrophytic Veget	tation Inc	dicators:		
5. <i>Typha sp. (dead)</i>	1	Yes	OBL	X Dominance Tes	st is >50%	%		
6.				× Prevalence Ind	ex is ≤3.0	0 ¹		
7.				Morphological /	Adaptatio	ons ¹ (Provi	de supporti	ing
8.					diks of 0		ale Sheel)	.)
Total Cover:	5 %				arophytic	vegetatio	n (Explair	1)
Woody Vine Stratum	- / -			1 malling to an affiliated	!!	-l 4ll		
1				be present	soli and	d wetland	nyarology	must
2								
Total Cover:	%			Hydrophytic				
% Bare Ground in Herb Stratum 50% % Cover o	f Biotic (Crust	%	Present?	Yes 🖲	No	0	
Remarks:								

Profile Desc	ription: (Describe t	o the depth nee	ded to docur	ment the ir	ndicator	or confirm	n the absence of indicators.)
Depth	Matrix		Redo	x Features			
(inches)	Color (moist)	<u> </u>	or (moist)	%	Туре	Loc ²	Texture ³ Remarks
¹ Type: C=C	oncentration, D=Depl	etion, RM=Redu	ced Matrix.	² Location:	PL=Pore	Lining, RO	C=Root Channel, M=Matrix.
³ Soil Texture	s: Clay, Silty Clay, S	andy Clay, Loam	n, Sandy Clay	Loam, Sar	ndy Loam	, Clay Loar	m, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, Sand.
Hydric Soil Ir	ndicators: (Applicable	e to all LRRs, unl	ess otherwise	e noted.)			Indicators for Problematic Hydric Soils ⁴ :
Histosol	(A1)		Sandy Redo	x (S5)			1 cm Muck (A9) (LRR C)
Histic Ep	oipedon (A2)		Stripped Ma	atrix (S6)			2 cm Muck (A10) (LRR B)
Black Hi	stic (A3)		∣ Loamy Muc	ky Mineral	(F1)		Reduced Vertic (F18)
Hydroge	n Sulfide (A4)		Loamy Gley	yed Matrix	(F2)		Red Parent Material (TF2)
Stratified	d Layers (A5) (LRR C)	Depleted M	atrix (F3)			Other (Explain in Remarks)
1 cm Mu	ick (A9) (LRR D)		Redox Dark	CSurface (I	=6)		
Depleted	d Below Dark Surface	e (A11)	Depleted D	ark Surface	e (F7)		
Thick Da	ark Surface (A12)		Redox Dep	ressions (F	8)		
Sandy M	lucky Mineral (S1)		Vernal Pool	ls (F9)			Indicators of hydrophytic vegetation and
Sandy G	leyed Matrix (S4)						wetland hydrology must be present.
Restrictive I	_ayer (if present):						
Type:							
Depth (in	ches):						Hydric Soil Present? Yes 💿 No 🔿
Remarks: A	ssumed hydric soil	s based on pon	ded water.				
HYDROLO	GY						
Wetland Hy	drology Indicators						Secondary Indicators (2 or more required)

Wetland Hydrology Indicate	ors:				Se	condary Indicators (2 or more required)		
Primary Indicators (any one in	ndicator is suffici	ent)				Water Marks (B1) (Riverine)		
X Surface Water (A1)			Salt Crust (B11)			Sediment Deposits (B2) (Riverine)		
High Water Table (A2)		\Box	Biotic Crust (B12)		Drift Deposits (B3) (Riverine)			
X 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 Li	ving Roots (C3)		Thin Muck Surface (C7)		
Drift Deposits (B3) (Non	riverine)		Presence of Reduced Iron (C4)			Crayfish Burrows (C8)		
Surface Soil Cracks (B6)			d Soils (C6)		Saturation Visible on Aerial Imagery (C9)			
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)					Shallow Aquitard (D3)			
Water-Stained Leaves (E	39)				×	FAC-Neutral Test (D5)		
Field Observations:								
Surface Water Present?	Yes 💿 No	рО	Depth (inches): unknown					
Water Table Present?	Yes 🔿 🛛 No	D 💽	Depth (inches):					
Saturation Present?	Yes 🔿 🛛 No	o 💿	Depth (inches):		امدا			
(includes capillary fringe)					aroi	ogy Present? Yes • No ()		
Describe Recorded Data (stre	eam gauge, mon	itoring w	vell, aerial photos, previous inspe	ections), if availa	ble:			
Remarks:								

Project/Site: Campo Wind			_ City/County: Campo/San Diego			Sampling Date: 9/25/2018		
Applicant/Owner: Various				State:CA	Sampl	ing Point: DS 7b		
Investigator(s): Callie Amoaku, Pat	ricia Schuyler		Section, Township, Range:					
Landform (hillslope, terrace, etc.): bas	in		Local relief (concave,	Local relief (concave, convex, none): concave				
Subregion (LRR):C - Mediterranean	California	Lat:	_	Long:		Datum:		
Soil Map Unit Name:				NWI cl	lassification:			
Are climatic / hydrologic conditions on	the site typical for	or this time of y	/ear? Yes No () (If no, expla	in in Remarks	.)		
Are Vegetation Soil or	Hydrology	significantl	ly disturbed? Are	"Normal Circumstar	nces" present?	Yes No No		
Are Vegetation Soil or	Hydrology	naturally p	roblematic? (If ne	eded, explain any a	answers in Re	marks.)		
SUMMARY OF FINDINGS - A	Attach site m	ap showing	g sampling point le	ocations, trans	ects, impo	rtant features, etc		
Hydrophytic Vegetation Present?	Yes 🜘	No 🌘						
Hydric Soil Present?	Yes 🕥	No 💿	Is the Sampled	l Area				
Wetland Hydrology Present?	Yes 🔘	No 💿	within a Wetla	nd? Yes	5 () No			

	Absolute	Dominant	Indicator	Dominance Test w	orksheet	t:		
Tree Stratum (Use scientific names.)	% Cover	Species?	Status	Number of Dominar	it Species	6		
1. Salix lasiolepis	25	Yes	FACW	That Are OBL, FAC	W, or FA	C: 2		(A)
2.Salix exigua	10	No	FACW	_ Total Number of Do	minant			
3				Species Across All Strata: 4			(B)	
4				Percent of Dominant Species				
Sapling/Shrub Stratum Total Cove	r: 35 %			That Are OBL, FAC	W, or FA	C: 50.	0 %	(A/B)
1. Artemisia dracunculus	5	Yes	Not Listed	Prevalence Index v	vorkshee	et:		
2.Baccharis salicifolia	5	Yes	FAC	Total % Cover of	of:	Multiply	by:	-
³ Ambrosia psilostachya	1	No	FACU	OBL species		x 1 =	0	
4.				FACW species	35	x 2 =	70	
5.				FAC species	5	x 3 =	15	
Total Cover	r: 11 %			FACU species	1	x 4 =	4	
Herb Stratum				UPL species	10	x 5 =	50	
1.Bromus madritensis	5	Yes	UPL	Column Totals:	51	(A)	139	(B)
2.								
3.				Prevalence Inc	dex = B/A	A =	2.73	
4.	_			Hydrophytic Veget	ation Ind	licators:		
5.	_			Dominance Tes	st is >50%	0		
6.				Prevalence Inde	ex is ≤3.0) ¹		
7.				Morphological A	Adaptation arks or or	ns ¹ (Provide : n a separate	supporti sheet)	ng
8				Problematic Hy	drophytic	Vegetation ¹	(Explain)
Woody Vine Stratum	r: 5 %			,,	1 5	0	、 1	,
1.				¹ Indicators of hydric	soil and	wetland hyd	Irology r	nust
2.				be present.				
Total Cover	r: %			Hydrophytic				
% Bare Ground in Herb Stratum% % Cover	r of Biotic C	Crust	%	Present?	Yes 💿	No 🔿		
Remarks:				-1				

Profile Des	cription: (Describe	to the dep	oth neede	d to docu	ment the i	ndicator	or confirm	the absence of	indicators.)
Depth	Matrix			Redo	x Features	3		<u>^</u>	
(inches)	Color (moist)	%	Color	(moist)	%	Type ¹	Loc ²	Texture ³	Remarks
0-12	5YR 3/3	100	N/A					sandy loam	
		·							
					·				
		·							
¹ Type: C=C	Concentration, D=Dep	letion, RM	=Reduced	d Matrix.	² Location	: PL=Pore	e Lining, RO	C=Root Channel	M=Matrix.
³ Soil Textur	es: Clay, Silty Clay, S	Sandy Cla	/, Loam, S	Sandy Clay	Loam, Sa	ndy Loam	, Clay Loa	m, Silty Clay Loa	m, Silt Loam, Silt, Loamy Sand, Sand.
Hydric Soil	Indicators: (Applicabl	le to all LR	Rs, unles	s otherwise	e noted.)			Indicators for	Problematic Hydric Soils:
Histoso	l (A1)			Sandy Redo	x (S5)			1 cm Mu	ck (A9) (LRR C)
	pipedon (A2)			Stripped Ma	atrix (S6)			2 cm Mu	ck (A10) (LRR B)
	$\frac{11SUC}{A3}$			oamy Glev	ky Matrix	(F2)			vertic (FTO) ant Material (TE2)
	ed Lavers (A5) (LRR C	C)		Depleted M	latrix (F3)	(12)		Other (E)	kplain in Remarks)
1 cm M	uck (A9) (LRR D)	- /		Redox Dark	< Surface ((F6)			
Deplete	ed Below Dark Surface	e (A11)		Depleted D	ark Surfac	e (F7)			
Thick D	ark Surface (A12)		E F	Redox Dep	ressions (I	F8)			
Sandy I	Mucky Mineral (S1)		□ \	/ernal Poo	ls (F9)			⁴ Indicators of	hydrophytic vegetation and
Sandy	Gleyed Matrix (S4)							wetland h	/drology must be present.
Restrictive	Layer (if present):								
Type:ha	rd soil								
Depth (ir	1ches): <u>12+</u>							Hydric Soil P	resent? Yes () No (•)
Remarks:									
HYDROLC	DGY								
Wetland Hy	drology Indicators:							Second	ary Indicators (2 or more required)
Primary Indi	icators (any one indic	ator is suf	icient)					□ Wat	er Marks (B1) (Riverine)
	Water (A1)			Salt Crust	(B11)				iment Deposits (B2) (Riverine)
High W	ater Table (A2)			Biotic Crus	(B12)				(Deposits (B3) (Riverine)
Saturat	ion (A3)			Aquatic In	vertebrate	s (B13)			inage Patterns (B10)
Water N	Marks (B1) (Nonriveri	ine)	H	Hydrogen	Sulfide Od	dor (C1)			Season Water Table (C2)
Sedime	ent Deposits (B2) (Nor	nriverine)		Oxidized F	Rhizosphe	res along	Living Roo	ots (C3) 🗍 Thir	Muck Surface (C7)
Drift De	eposits (B3) (Nonriver	rine)	H	Presence	of Reduce	ed Iron (C4			yfish Burrows (C8)
Surface	e Soil Cracks (B6)			Recent Irc	on Reduction	on in Plow	ed Soils (C	C6) 🗌 Sati	uration Visible on Aerial Imagery (C9)
Inundat	tion Visible on Aerial I	magery (E	7)	Other (Exp	plain in Re	marks)		Sha	llow Aquitard (D3)
Water-S	Stained Leaves (B9)							FAC	C-Neutral Test (D5)
Field Obse	rvations:								
Surface Wa	ter Present? Y	es 🔿	No 💽	Depth (in	ches):				
Water Table	e Present? Y	es 🔿	No 💿	Depth (in	ches):				
Saturation F	Present? Yo	es 🚫	No 🖲	Depth (in	ches):		Wetla	and Hydrology I	Present? Yes 🔿 No 💿

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

Remarks:

New: DS 8a

Project/Site: Campo Wind		_ City/County: Campo/Sa	an Diego	Sampling Date: 10/5/2018			
Applicant/Owner: Various			State:CA	Sampling Point: CJA5a			
Investigator(s): Callie Amoaku, Erin Bergman		Section, Township, Range:					
Landform (hillslope, terrace, etc.): floodplain		Local relief (concave, c	onvex, none):None	Slope (%):0			
Subregion (LRR):C - Mediterranean California	Lat:		Long:	 Datum:			
Soil Map Unit Name:			NWI class	sification:			
Are climatic / hydrologic conditions on the site typical for t	this time of y	/ear? Yes 💿 No 🔿	(If no, explain i	n Remarks.)			
Are Vegetation Soil or Hydrology	significant	ly disturbed? Are "I	Normal Circumstance	s" present? Yes 💿 No 🔿			
Are Vegetation Soil or Hydrology	naturally p	roblematic? (If nee	eded, explain any ans	wers in Remarks.)			
SUMMARY OF FINDINGS - Attach site map	o showing	g sampling point lo	cations, transec	ts, important features, etc.			
Hydrophytic Vegetation Present? Yes (No 🔘						
Hydric Soil Present? Yes 💿	No 🔘	Is the Sampled	Area				
Wetland Hydrology Present? Yes 💿	No 🔘	within a Wetlan	d? Yes (• No ()			

Remarks:

		Dominant	Indicator	Dominance Test w	orksheet			
Tree Stratum (Use scientific names.)	% Cover	Species?	Status	Number of Dominar	t Species	5		
1.				That Are OBL, FAC	W, or FAC	C: 2	1	(A)
2.				Total Number of Do	minant			
3.				Species Across All S	Strata:	2		(B)
4.								
Total Cove	r: %			That Are OBL EACW or EAC 100		0.04	(A/R)	
Sapling/Shrub Stratum					, 01 1 7 0	100.	U 70 V	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1.Isocoma menziesii	3	Yes	FAC	Prevalence Index v	vorkshee	et:		
2.				Total % Cover of	of:	Multiply	by:	
3.				OBL species	10	x 1 =	10	
4.				FACW species	75	x 2 =	150	
5.				FAC species	4	x 3 =	12	
Total Cover	: 3 %			FACU species	12	x 4 =	48	
Herb Stratum				UPL species	4	x 5 =	20	
1. Juncus mexicanus	70	Yes	FACW	Column Totals:	105	(A)	240	(B)
² .Ambrosia psilostachya	10	No	FACU		105	. ,		
³ Anemopsis californica	10	No	OBL	Prevalence Inc	dex = B/A	4 =	2.29	
4. Carex praegracilis	5	No	FACW	Hydrophytic Veget	ation Ind	icators:		
5. Erigeron foliosus	3	No	Not Listed	Dominance Tes	st is >50%)		
6. Cirsium vulgare	2	No	FACU	Prevalence Inde	ex is ≤3.0	1		
7. Solidago velutina ssp. californica	1	No	Not Listed	Morphological A	Adaptation	ns ¹ (Provide s	upporti	ng
8. Distichlis spicata	1	No	FAC	- data in Rem	arks or or	i a separate s	ineet)	、
Total Cover	102%				aropnytic	vegetation" (Explain)
Woody Vine Stratum	102 /0							
1				¹ Indicators of hydric	soil and	wetland hyd	rology r	nust
2				be present.				
Total Cover	r: %			Hydrophytic				
% Bare Ground in Herb Stratum% % Cover	r of Biotic (Crust	%	Vegetation Present?	Yes 🖲	No 🔿		
Remarks:				1				

Profile Des	cription: (Describe	to the dep	th needed to docun	nent the indicator	or confirm	the absence of in	dicators.)
Depth	Matrix		Redox	Features			
(inches)	Color (moist)	%	Color (moist)	% Type ¹	Loc ²	Texture ³	Remarks
0-12	5YR 3/1	98	2.5YR 4/8	2 C	PL	clay loam	
	-			· ·			
				· ·			
		·		· ·			
		·					
¹ Type: C=C	Concentration D=Den	letion RM:	Reduced Matrix	² Location: PL =Por	elinina R(=Matrix
³ Soil Textur	es: Clay, Silty Clay, S	Sandy Clay	, Loam, Sandy Clay I	Loam, Sandy Loan	n, Clay Loar	n, Silty Clay Loam,	Silt Loam, Silt, Loamy Sand, Sand.
Hvdric Soil	Indicators: (Applicab	le to all LR	Rs. unless otherwise	noted.)	, ,	Indicators for Pr	oblematic Hydric Soils:
Histoso	ol (A1)		Sandy Redox	x (S5)		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 Mucl	ky Mineral (F1)		Reduced Ve	ertic (F18)
Hydrog	en Sulfide (A4)		Loamy Gley	ved Matrix (F2)		Red Parent	Material (TF2)
	ed Layers (A5) (LRR (C)	Depleted Ma	atrix (F3)		Other (Expla	ain in Remarks)
	IUCK (A9) (LKK D) ad Below Dark Surfac	ρ (Δ11)		ark Surface (F0)			
	ark Surface (A12)	C (ATT)	Redox Depr	ressions (F8)			
Sandy	Mucky Mineral (S1)		Vernal Pools	s (F9)		⁴ Indicators of hyd	drophytic vegetation and
Sandy	Gleyed Matrix (S4)					wetland hydro	plogy must be present.
Restrictive	Layer (if present):						
Type:							
Depth (ir	nches):					Hydric Soil Pres	ent? Yes 💿 No 🔿
Remarks:							and and
HYDROLO	DGY						
Wetland Hy	vdrology Indicators:					Secondary	Indicators (2 or more required)
Primary Ind	icators (any one indic	ator is suffi	cient)			Water	Marks (B1) (Riverine)
Surface	e Water (A1)		Salt Crust	(B11)		Sedime	ent Deposits (B2) (Riverine)
High W	/ater Table (A2)		Biotic Crus	st (B12)		Drift De	eposits (B3) (Riverine)
Saturat	tion (A3)		Aquatic Inv	vertebrates (B13)		Draina	ge Patterns (B10)
Water I	Marks (B1) (Nonriver	ine)	Hydrogen S	Sulfide Odor (C1)		Dry-Se	ason Water Table (C2)
Sedime	ent Deposits (B2) (No	nriverine)	Oxidized R	Rhizospheres along	Living Roo	ts (C3) 📃 Thin M	uck Surface (C7)
Drift De	eposits (B3) (Nonrive	rine)	Presence of	of Reduced Iron (C	4)	Crayfis	h Burrows (C8)
Surface	e Soil Cracks (B6)		Recent Iro	n Reduction in Ploy	wed Soils (C	C6) X Saturat	tion Visible on Aerial Imagery (C9)
Inundat	tion Visible on Aerial I	magery (B	7) X Other (Exp	olain in Remarks)		Shallov	v Aquitard (D3)
Water-	Stained Leaves (B9)					X FAC-N	eutral Test (D5)
Field Obse	rvations:		_				
Surface Wa	iter Present? Y	es 🔿	No 💿 Depth (inc	ches):			
Water Table	e Present? Y	es 🔿	No 💿 Depth (inc	ches):			
Saturation F	Present? Y apillary fringe)	es 🔿	No Depth (inc	ches):	Wetla	and Hydrology Pre	sent? Yes 💿 No 🔿

(includes capillary fringe) ______ Venand rights and the second data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: Tule Creek floodplain

Project/Site: Campo Wind	City/County: Campo/San I	City/County: Campo/San Diego					
Applicant/Owner: Various		State:CA	Sampling Point: DS 8b				
Investigator(s): Callie Amoaku, Erin Bergman	Section, Township, Range:	Section, Township, Range:					
Landform (hillslope, terrace, etc.): floodplain	Local relief (concave, conv	Local relief (concave, convex, none):None					
Subregion (LRR):C - Mediterranean California	t: Loi	 Long:					
Soil Map Unit Name:		NWI classi	fication:				
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 signific	cantly disturbed? Are "Norr	nal Circumstances	" present? Yes 💿 🛛 No 🔿				
Are Vegetation Soil or Hydrology natura	Ily problematic? (If needed	d, explain any ansv	vers in Remarks.)				
SUMMARY OF FINDINGS - Attach site map show	ving sampling point locat	ions, transect	s, important features, etc.				
Hydrophytic Vegetation Present? Yes No							

Hydrophytic Vegetation Present?	Yes 💽	No 🔘				
Hydric Soil Present?	Yes 💽	No 🔘	Is the Sampled Area			
Wetland Hydrology Present?	Yes 💿	No 🔘	within a Wetland?	Yes	$oldsymbol{eta}$	No 🔿
Remarks:						

	Absolute	Dominant	Indicator	Dominance Test worksheet:			
Tree Stratum (Use scientific names.) 1.	% Cover	Species?	Status	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:1(A)			
2.				Total Number of Dominant			
3.				Species Across All Strata: 3 (B)			
4.				Percent of Dominant Species			
Total Cove	r: %			That Are OBL, FACW, or FAC: 33.3 % (A/B)			
1 Marrubium vulgare	2	Yes	FACU	Prevalence Index worksheet:			
2.				Total % Cover of: Multiply by:			
3.	· ·	·		OBL species x 1 = 0			
4.				FACW species $60 \times 2 = 120$			
5.				FAC species $x 3 = 0$			
Total Cover	2 %			FACU species $43 \times 4 = 172$			
Herb Stratum	_			UPL species $1 \times 5 = 5$			
1.Carex praegracilis	50	Yes	FACW	Column Totals: 104 (A) 297 (B)			
² .Ambrosia psilostachya	40	Yes	FACU				
3. Juncus mexicanus	10	No	FACW	Prevalence Index = B/A = 2.86			
4. Cirsium vulgare	1	No	FACU	Hydrophytic Vegetation Indicators:			
5. <i>Hirschfeldia incana</i>	1	No	Not Listed	Dominance Test is >50%			
6.				→ Prevalence Index is $\leq 3.0^{1}$			
7				Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
8.				Problematic Hydrophytic Vegetation ¹ (Explain)			
Total Cover Woody Vine Stratum	102%						
1				¹ Indicators of hydric soil and wetland hydrology must			
2				be present.			
Total Cover	: %			Hydrophytic			
% Bare Ground in Herb Stratum% % Cover	of Biotic C	Crust	%	Present? Yes No			
Remarks:				1			

Profile Des	cription: (Describe t	o the dep	th needed to docur	nent the	indicator	or confirm	n the absence of i	ndicators.)
Depth	Matrix		Redo	k Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks
0-12	5YR 3/1	98 2	2.5YR 4/8	2	С	PL	clay loam	
	·							
¹ Type: C=C	Concentration, D=Depl	etion, RM=	Reduced Matrix.	² Locatio	n: PL=Pore	e Linina. R	C=Root Channel. N	M=Matrix.
³ Soil Textur	es: Clay, Silty Clay, S	andy Clay	, Loam, Sandy Clay	Loam, S	andy Loam	, Clay Loa	m, Silty Clay Loam	, Silt Loam, Silt, Loamy Sand, Sand.
Hydric Soil	Indicators: (Applicable	e to all LRF	Rs, unless otherwise	noted.)	-	-	Indicators for P	Problematic Hydric Soils:
Histoso	l (A1)		Sandy Redo	x (S5)			1 cm Muck	(A9) (LRR C)
Histic E	pipedon (A2)		Stripped Ma	atrix (S6)	1		2 cm Muck	(A10) (LRR B)
Black H	listic (A3)		Loamy Muc	ky Minei	al (F1)		Reduced V	/ertic (F18)
Hydrog	en Sulfide (A4)		Loamy Gley	ed Matr	ix (F2)		Red Paren	t Material (TF2)
Stratifie	d Layers (A5) (LRR C)	Depleted M	atrix (F3)		Other (Exp	olain in Remarks)
1 cm M	uck (A9) (LRR D)		Redox Dark	Surface	e (F6)			
Deplete	ed Below Dark Surface	e (A11)	Depleted D	ark Surfa	ace (F7)			
Thick D	ark Surface (A12)		Redox Dep	ressions	(F8)			
Sandy I	Mucky Mineral (S1)		Vernal Pool	s (F9)			⁴ Indicators of h	ydrophytic vegetation and
Sandy	Gleyed Matrix (S4)						wetland hyd	rology must be present.
Restrictive	Layer (if present):							
Туре:								
Depth (ir	nches):						Hydric Soil Pre	sent? Yes 💿 No 🔿
Remarks:								
HYDROLC	DGY							
Wetland Hy	drology Indicators:						Secondar	y Indicators (2 or more required)
Primary Ind	icators (any one indica	ator is suffi	cient)				Wate	r Marks (B1) (Riverine)
	Water (A1)		Salt Crust	(B11)			── □ □ Sedin	ment Deposits (B2) (Riverine)
	ater Table (Δ 2)			(B12)				Denosits (B3) (Riverine)
	ion (Δ 3)				les (R13)			age Patterns (B10)
	Marks (B1) (Nonriveri			Sulfide (Odor(C1)			Season Water Table (C2)
	nt Deposite (B2) (Non	riverine)		Culluc (Living Roc	\Box Divectors (C3) \Box Thin I	Muck Surface (CZ)
	nacita (P2) (Nonriveri	ine)		of Dodu	and Iron (C			
	Posits (BS) (Nonriver	ine)			tion in Dlov	+) vad Saila (1		Isti Bullows (Co)
	ion Visible on Asriel In							ation visible on Aeria Imagery (C9)
		nagery (B			(emarks)			Neutral Teet (DS)
vvater-s	Stained Leaves (B9)						FAC-	Neutral Test (D5)
Field Obse	rvations:	<u> </u>						
Surface Wa	ter Present? Ye		No (•) Depth (in	ches):				
Water Table	Present? Ye	es 🔿 🛛 I	No 💿 Depth (in	ches):				
Saturation F	Present? Ye	es 🔿 🛛 I	No 💿 Depth (in	ches):		Mad	and Unduals and Du	
(includes ca	pillary tringe)	001100	nitoring well coriel			vveti	if available:	esent? tes • No ()
Describe Re	scorueu Data (stream	yauye, mo	moning well, aerial	JIIUIUS,	NEVIOUS INS	pections),	n avaliable.	
Remarks: [Innamed tributary to	o Campo	Creek floodplain					

Project/Site: Campo Wind	City/County: C	ampo/San Di	Sampling I	Sampling Date: 10/5/2018				
Applicant/Owner: Various	Applicant/Owner: Various					Sampling I	Point: DS 8c	
Investigator(s): Callie Amoaku, Erin	Section, Towns	Section, Township, Range:						
Landform (hillslope, terrace, etc.): floc	Local relief (co	oncave, conve	k, none):None		Slope (%): 0			
Subregion (LRR):C - Mediterranean	_	Long	g:		Datum:			
Soil Map Unit Name:					NWI class	sification:		
Are climatic / hydrologic conditions on t	he site typical f	or this time of y	vear?Yes 💿	No	(If no, explain i	n Remarks.)		
Are Vegetation Soil or H	lydrology	significantl	y disturbed?	Are "Norma	al Circumstance	s" present? Y	es 💿 🛛 No 🔿	
Are Vegetation Soil or H	lydrology	naturally p	roblematic?	blematic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS - A	ttach site m	ap showing	g sampling p	oint locatio	ons, transec	ts, importa	nt features, etc.	
Hydrophytic Vegetation Present?	Yes 💽	No 🔘						
Hydric Soil Present?	Yes 🕡	No 🔘	Is the S	ampled Area				
Wetland Hydrology Present?	Yes 💽	No 🔘	within a	a Wetland?	Yes (• No ()	
Remarks:								

	Absolute	Dominant	Indicator	Dominance Test worksh	eet:		
I ree Stratum (Use scientific names.)	% Cover	Species?	Status	Number of Dominant Spec	ies		
1. <i>Salix laevigata</i>	10	Yes	FACW	That Are OBL, FACW, or F	-AC: 4	4	(A)
2				Total Number of Dominant	t		
3				Species Across All Strata:	4	4	(B)
4.				Percent of Dominant Spec	ies		
Total Cover Sapling/Shrub Stratum	r: 10 %			That Are OBL, FACW, or F	AC: 10	0.0%	(A/B)
1.Baccharis salicifolia	20	Yes	FAC	Prevalence Index works	neet:		
2.				Total % Cover of:	Multip	ly by:	_
3.				OBL species 30	x 1 =	30	_
4.				FACW species 70	x 2 =	140	
5				FAC species 20	x 3 =	60	
Total Cover	20 %			FACU species	x 4 =	0	
Herb Stratum	. 20 /0			UPL species	x 5 =	0	
1.Carex praegracilis	45	Yes	FACW	Column Totals: 120	(A)	230	(B)
² .Anemopsis californica	30	Yes	OBL				
³ . <i>Euthamia occidentalis</i>	15	No	FACW	Prevalence Index =	B/A =	1.92	
4.				Hydrophytic Vegetation	indicators:		
5.				Dominance Test is >5	0%		
6.				Frevalence Index is ≤	3.0 ¹		
7				Morphological Adapta	tions ¹ (Provide	e supporti	ng
8					tic Vegetation	¹ (Explain	n)
Total Cover	90 %				tio vegetation	(Explain	.,
1.				¹ Indicators of hydric soil a	ind wetland hy	drology	must
2				be present.			
Total Cover	%			Hydrophytic			
% Bare Ground in Herb Stratum% % Cover	of Biotic C	Crust	%	Present? Yes (• No (\supset	
Remarks:				<u>_</u>			

Profile Des	cription: (Describe to	o the dep	th needed to docun	nent the	e indicator	or confirr	n the absence of indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³ Remarks		
0-6	2.5YR 2.5/1	98	2.5YR 4/6	2	2 C M	М	loamy sand		
6-12	2.5YR 2.5/1	95	2.5YR 4/6	5	C	M	loamy sand		
¹ Type: C=C ³ Soil Textur	Concentration, D=Deple	etion, RM	Reduced Matrix.	² Locatio	on: PL=Por	e Lining, R Clav Loa	RC=Root Channel, M=Matrix.	Sand	
Hydric Soil	Indicators: (Applicable	to all LR	Rs, unless otherwise	noted.)		.,,	Indicators for Problematic Hydric Soils ⁴ :		
Histoso	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 Mucl	ky Mine	ral (F1)		Reduced Vertic (F18)		
Hydrog	jen Sulfide (A4)	`	Loamy Gley	ed Matr	ïx (F2)		Red Parent Material (1F2)		
)		Surface	9) 2 (F6)				
	ed Below Dark Surface	(A11)		ark Surfa	ace (F7)				
	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 (ii	nches):						Hydric Soil Present? Yes No)	
Remarks:									
HYDROLO	DGY								
Wetland H	ydrology Indicators:						Secondary Indicators (2 or more require	d)	
Primary Ind	licators (any one indica	tor is suff	icient)				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	vertebra	tes (B13)		Drainage Patterns (B10)		
Water I	Marks (B1) (Nonriveri r	ne)	Hydrogen S	Sulfide (Odor (C1)		Dry-Season Water Table (C2)		
Sedime	ent Deposits (B2) (Non	riverine)	Oxidized R	hizosph	neres along	Living Ro	ots (C3) 🔲 Thin Muck Surface (C7)		
Drift De	eposits (B3) (Nonriveri	ne)	Presence of	of Reduc	ced Iron (C	4)	Crayfish Burrows (C8)		
Surface	e Soil Cracks (B6)		Recent Iron	n Reduc	ction in Plov	ved Soils ((C6) X Saturation Visible on Aerial Imagery	/ (C9)	
Inunda	tion Visible on Aerial In	nagery (B	7) X Other (Exp	lain in F	Remarks)		Shallow Aquitard (D3)		
Water-	Stained Leaves (B9)						FAC-Neutral Test (D5)		
Field Obse	rvations:								

Surface Water Present?

(includes capillary fringe)

Water Table Present?

Saturation Present?

Yes 🔿

Yes 🔿

Yes 🔿

Remarks: Unnamed tributary to Campo Creek floodplain

No 💿

No 💿

No 💿

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

Depth (inches):

Depth (inches):

Depth (inches):

 \bigcirc

No

Wetland Hydrology Present? Yes

Project/Site: Campo Wind		City/County: C	ampo/San Diego	Sampling Date: 10/5/2018		
Applicant/Owner: Various		_	State:CA	Sampling Point: DS 8d		
Investigator(s): Callie Amoaku, Erin Bergman		Section, Town	ship, Range:			
Landform (hillslope, terrace, etc.): floodplain		Local relief (co	oncave, convex, none):None	Slope (%):()		
Subregion (LRR):C - Mediterranean California	Lat:	_	Long:	Datum:		
Soil Map Unit Name:			NWI cla	ssification:		
Are climatic / hydrologic conditions on the site typical for	r this time of	year?Yes 💿	No (If no, explain	in Remarks.)		
Are Vegetation Soil or Hydrology	significant	tly disturbed?	Are "Normal Circumstanc	es" present? Yes 💿 No 🔿		
Are Vegetation Soil or Hydrology	naturally p	problematic?	(If needed, explain any ar	swers in Remarks.)		
SUMMARY OF FINDINGS - Attach site ma	ap showin	g sampling p	oint locations, transe	cts, important features, etc.		
Hydrophytic Vegetation Present? Yes	No 💿					
Hydric Soil Present? Yes	No O	le the S	Sampled Area			

i i jui opii juo i ogotuuoni i ooonni					
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 (Use scientific names.) 1.	% Cover	Species?	Status	Number of Dominant SpeciesThat Are OBL, FACW, or FAC:0	(A)
2.				Total Number of Dominant	
3.				Species Across All Strata: 2	(B)
4.				Porcent of Dominant Species	
Total Cove	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 x 3 =	0
Total Cover	r: %			FACU species 70 x 4 =	280
Herb Stratum				UPL species x 5 =	0
1.Lactuca serriola	40	Yes	FACU	_ Column Totals: 70 (A)	280 (B)
² .Cirsium vulgare	30	Yes	FACU		
3.				Prevalence Index = B/A =	4.00
4.				Hydrophytic Vegetation Indicators:	
5.				Dominance Test is >50%	
6.				Prevalence Index is $\leq 3.0^1$	
7.				 Morphological Adaptations¹ (Provide side data in Remarks or on a separate side data in Remark	upporting heet)
8				Problematic Hydrophytic Vegetation ¹ (I	Explain)
Woody Vine Stratum	70 %				F - 7
1.				¹ Indicators of hydric soil and wetland hydr	ology must
2.				be present.	
Total Cover	r: %			- Hydrophytic Vegetation	
% Bare Ground in Herb Stratum%	r of Biotic C	Crust	%	Present? Yes No •	
Remarks:					

Profile Des	cription: (Describe t	o the de	pth needed to docum	nent the	indicator	or confirm	m the absence of indicators.)			
Depth	Matrix		Redox	Feature	es					
(inches)	Color (moist)	%	Color (moist)	%	Туре	Loc ²	Texture ³ Remarks	_		
0-6	2.5YR 3/1	100	<u>N/A</u>				Loam			
6-12	2.5YR 3/1	95	2.5YR 4/8	5	С	М	Loam			
						·		—		
¹ Type: C=C	Concentration, D=Deple	etion, RM	I=Reduced Matrix.	² Locatio	on: PL=Pore	e Lining, R	RC=Root Channel, M=Matrix.	_		
³ Soil Textur	es: Clay, Silty Clay, S	andy Cla	y, Loam, Sandy Clay I	_oam, S	Sandy Loam	i, Clay Loa	am, Silty Clay Loam, Silt Loam, Silt, Loamy Sand, Sand	d.		
Hydric Soil	Indicators: (Applicable	e to all LF	RRs, unless otherwise	noted.)			Indicators for Problematic Hydric Soils:			
Histoso	l (A1)		Sandy Redox	(S5)			1 cm Muck (A9) (LRR C)			
	pipedon (A2)		Stripped Ma	trix (S6)) 		2 cm Muck (A10) (LRR B)			
	IISTIC (A3)			cy Mote	ral (F1)		Reduced Vertic (F18)			
	ell Sullide (A4)	•		eu iviali atriv (E3	IX (FZ)		Other (Explain in Remarks)			
)	Redox Dark	Surface) • (F6)					
	ed Below Dark Surface	(A11)		rk Surf	ace (F7)					
	ark Surface (A12)	, (, (, , , , , , , , , , , , , , , , ,	Redox Depr	essions	(F8)					
Sandy	Mucky Mineral (S1)		Vernal Pools	s (F9)	()		⁴ Indicators of hydrophytic vegetation and	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	/drology Indicators:						Secondary Indicators (2 or more required)			
Primary Ind	icators (any one indica	ator is suf	ficient)				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	ion (A3)		Aquatic Inv	rertebra	tes (B13)		Drainage Patterns (B10)			
Water I	Marks (B1) (Nonriveri i	ne)	Hydrogen S	Sulfide (Odor (C1)		Dry-Season Water Table (C2)			
Sedime	ent Deposits (B2) (Non	riverine	Oxidized R	hizosph	eres along	Living Roo	oots (C3) Thin Muck Surface (C7)			
Drift De	posits (B3) (Nonriver i	ine)	Presence o	of Redu	ced Iron (C4	4)	Crayfish Burrows (C8)			
Surface	Soil Cracks (B6)		Recent Iror	n Reduc	tion in Plov	ved Soils ((C6) X Saturation Visible on Aerial Imagery (C9))		
Inundat	tion Visible on Aerial In	nagery (E	37) 🔀 Other (Exp	lain in F	Remarks)	,	Shallow Aquitard (D3)	-		
Water-	Stained Leaves (B9)	5 7 (, <u>, , , , , , , , , , , , , , , , , , </u>		,		FAC-Neutral Test (D5)			
Field Obse	rvations:									
Surface Wa	ter Present? Ye	es 🔿	No (Depth (inc	hes):						

(includes capillary fringe) Wetland Hydrology Present? Yes Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Depth (inches):

Depth (inches):

No 💿

No 💿

Remarks: Unnamed tributary to Campo Creek floodplain

Yes 🔿

Yes 🔿

Water Table Present?

Saturation Present?

No 🔿