Memorandum

From: Tamara Spear

San Diego Gas & Electric Company

Subject: TL 637 Wood to Steel Project Reconnaissance-Level Jurisdictional Waters

Assessment Summary

Date: May 21, 2013

Chambers Group conducted a reconnaissance-level waters and wetland survey for the Tie Line (TL) 637 Wood to Steel Project to identify the boundaries, types, and acreages of all aquatic resources that are potentially under the jurisdiction of the U.S. Army Corps of Engineers (ACOE), Regional Water Quality Control Board (RWQCB) and California Department of Fish and Wildlife (CDFW). The following is a summary of this survey.

Project Description:

In an effort to maintain existing electric power tie lines in high fire and wind areas in San Diego Gas & Electric Company's (SDG&E) service territory, SDG&E proposes to replace wood poles with steel poles along approximately 14 miles of TL 637, extending from the existing Creelman Substation to the existing Santa Ysabel Substation (Proposed Project).

The Proposed Project would include the following primary components:

- Replacement of approximately 156 existing wood poles with new steel poles between the Creelman and Santa Ysabel Substations (including distribution line underbuild),
- Addition of new fiber optic cable (SDG&E owned and operated) to be co-located on the rebuilt TL 637 pole line between Creelman and Santa Ysabel Substations and relocation of small amounts of existing private fiber optic lines on approximately 21 poles, and
- Minor work at the Creelman and Santa Ysabel Substations to allow for connection of the relocated TL 637 and underbuilt distribution line.

TL 637 is located within the unincorporated communities of Ramona and Santa Ysabel, California. The approximate 14 mile TL begins at Creelman Substation located south of Creelman Lane and continues northeast to terminate at the Santa Ysabel Substation.

Methods:

Prior to conducting the field survey, a desktop assessment for drainages and other water resources was completed. This desktop review consisted of a review of the U.S. Geological Service (USGS) 7.5-minute topographic quadrangle containing the site, the U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) maps, and a review of aerial photographs.

In addition, the USDA, National Resource Conservation Science (NRCS) Web Soil Survey and National List of Hydric Soils, was used to assess soils mapped along the Proposed Project alignment, and GIS data was used to create maps. As prescribed by the 1987 ACOE Wetland Delineation Manual and the 2008 Regional Supplement to the ACOE Wetland Delineation Manual: Arid West Region, Version 2.0, all available lists of hydric soils were referenced to identify any occurrence of hydric soils listed within the Proposed Project alignment. The national, state, and local hydric soils lists were used along with local soil survey maps for this assessment.

Chambers Group biologists Nichole Cervin and Maya Mazon conducted the water resources survey from July 11 through July 14 and on July 18 and 19, 2011. They conducted surveys along the Proposed Project, targeting suspected jurisdictional areas identified during the literature review from aerial and USGS topographic maps. Potential ACOE, RWQCB, and CDFW jurisdictional areas were field-checked for the presence of definable channels and/or wetland vegetation, riparian habitat, soils, and hydrology. Field checks were not limited to suspected jurisdictional areas identified during the literature review; the entire Proposed Project Survey Area was assessed. The biologists drove and/or walked the access roads associated with the Proposed Project.

Any potential jurisdictional feature observed within a 50-foot radius of a proposed pole or facility location was recorded. This 50-foot radius survey area was determined to include permanent and temporary work areas of pole installation and removal. In the field, boundaries and dimensions of jurisdictional features were recorded on aerial photographs, sub-meter GPS units, tablet computers, and field notes. Features within the 50-foot radius survey area were investigated for the presence of drainages, including culverts, corrugated metal pipe drains, reinforced concrete pipes, V-ditches, water bodies, riparian habitats, potential wetlands, and connectivity.

Potential wetland habitats were evaluated using the methodology set forth in the 1987 ACOE Wetlands Delineation Manual and the 2008 Regional Supplement to the ACOE Wetland Delineation Manual: Arid West Region, Version 2.0. The lateral extent of a jurisdictional drainage feature was also measured. ACOE and RWQCB traditionally use the upper limit of the Ordinary High Water Mark (OHWM), by identifying signs of shelving, drift lines, and disturbed vegetation. Under the Rapanos court decision, ACOE now requires a fact-specific significant nexus analysis to be performed for dry or ephemeral washes (non-Relatively Permanent Waters [RPW]) in southern California to determine the extent of ACOE jurisdiction on a given project area. Connectivity was investigated and determined through a "desktop" study by utilizing the USGS topographic maps, USFWS NWI maps, and aerial imagery. CDFW traditionally uses the presence of a defined bed and bank and associated vegetation.

Wetland data was recorded onto standardized Wetland Determination Data Forms – Arid West Region data forms. A copy of the data forms are included in Attachment A. In order to formally determine the presence or absence of wetlands, upland features were also recorded onto the standardized data sheets. Sample plots were established, and recorded data included plant species with estimated percent area coverage within each vegetation stratum (i.e., tree, sapling/shrub, herb, woody vine), soil profiles were investigated (where feasible), and evidence of hydrology was recorded. All delineation data was digitized for the precise mapping of jurisdictional areas. All data on jurisdictional determinations and wetland delineations were reproduced using GIS software and displayed on aerial maps.

Jurisdictional Assessment:

Four watersheds exist within the Proposed Project Survey Area: the Santa Maria, San Vicente, San Diego River, and Santa Ysabel watersheds. The Santa Maria watershed is located at the western end of the Proposed Project in the unincorporated community of Ramona. The San Vicente watershed begins at the origin of San Vicente Creek east of Littlepage Road and spans the survey area to Simon Preserve in the unincorporated community of Ramona. The San Diego River watershed originates at the San Diego River located in the unincorporated community of Santa Ysabel and is fed by rainwater and snowmelt from Volcan Mountain. The Santa Ysabel watershed originates in Volcan Mountain in the unincorporated community of Santa Ysabel and is fed by rainwater and snowmelt from Volcan Mountain.

Santa Maria Creek, San Vicente Creek, the San Diego River, and Santa Ysabel Creek are RPWs leading to several reservoirs. Santa Maria Creek does not flow directly within the Proposed Project but is fed by several ephemeral drainages that direct surface water only immediately after rain events. San Vicente Creek originates within the Proposed Project; however, perennial flow does not establish until after the inflow from Dye Creek, which is outside the Proposed Project Survey Area. The San Diego River does not flow directly within the Proposed Project but is fed by several ephemeral drainages and Dye Creek.

Potential Impacts to Jurisdictional Waters/Wetlands:

Eleven poles (P148, P149, P150, P103, P104, P105, P106, R107, P114, P152 and P129) are located within wet meadows that have been determined to be jurisdictional by the ACOE and the RWQCB. Six poles (R10, R169, R171, D167, R11, and R13) are located within a streambed/water of the U.S. that has been determined to be jurisdictional by CDFW, ACOE and the RWQCB. Steel plates will be used to temporarily span over two jurisdictional areas to provide temporary access during construction. **The potential impact locations are summarized in "**Table 1. TL 637 Permanent and Temporary Wetland and Streambed Impacts Associated with Pole Replacement, Access and Pole Butt Removal **Activities, APN numbers, Parcel Ownership and CPS Coordinates".** The impact locations numbers are also identified on attached figures, "Figure 1: Wetland Impact Site Overview Aerials" and "Figure 2: Wetland Impact Site Topographic Maps". Photos of each site are also included as Attachment B.

Permitting:

Proposed Project activity associated with all seventeen poles and temporary steel plates to provide access, will be carried out under non-notifying Nationwide Permit #12 issued by the ACOE, and a 401 Certification from the RWQCB (File No. 11C-114). The impacts associated with the six poles within CDFW jurisdiction will not substantially adversely affect an existing fish or wildlife resource; therefore, a Streambed Alteration Agreement notification was not submitted. Permanent impacts to ACOE jurisdictional wetlands associated with the pole removals and replacement are 98-square feet. Temporary impacts to ACOE jurisdictional wetlands are 0.13 acre and the temporary impacts to streambed are 0.04 acre. Compensatory mitigation was not proposed due to the minimal impacts.

REFERENCES

- ACOE (U.S. Army Corps of Engineers). 1987. ACOE of Engineers Wetlands Delineation Manual. U.S. Army Corps of Engineers Waterways Experiment Station. Vicksburg, MS.
- ACOE (U.S. Army Corps of Engineers). 2008. Regional Supplement to the ACOE of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0), ed. J. S. Wakeley, R. W. Lichvar, and C. V. Noble. ERDC/EL TR-08-28. Vicksburg, MS: U.S. Army Engineer Research and Development Center.

Table 1

TL 637 Permanent and Temporary Wetland and Streambed Impacts Associated with Pole Replacement, Access and Pole Butt Removal Activities, APN numbers, Parcel Ownership and CPS Coordinates

Location #	Activity	APN	Parcel Ownership	Long/Lat	Watershed	Permanent (Square feet)	Temporary (Square feet)	Notes:
	Pole Replacements and remove	al of pole butts	s:					
1	P148 - Micropile	24803007	Cumming Family Trust c/o Elizabeth Tulloch 28223 Hwy 78 Ramona, CA 92065	33.0999, -117.6733	San Dieguito HU Adjacent wetland to unnamed trib to Santa Ysabel Creek	39	Work space 1,211 sq. ft	Easy access off of adjacent dirt road for placement of new pole and removal of pole butt (adjacent to existing pole, removal of pole will occur within workspace for pole replacement)
2	P149 - Heavy steel	24803008	Cumming Family Trust c/o Elizabeth Tulloch 28223 Hwy 78 Ramona, CA 92065	33.1007, -116.6718	San Dieguito HU Adjacent wetland to unnamed trib to Santa Ysabel Creek	10	Work space 304 sq. ft	Easy access off of adjacent dirt road for placement of new pole and removal of pole butt (adjacent to existing pole, removal of pole will occur within workspace for pole replacement)
3	P150 - Heavy steel	24803008	Cumming Family Trust c/o Elizabeth Tulloch 28223 Hwy 78 Ramona, CA 92065	33.1013, -116.6704	San Dieguito HU Adjacent wetland to unnamed trib to Santa Ysabel Creek	10	Work space 304 sq. ft	Easy access off of adjacent dirt road for placement of new pole and removal of pole butt (adjacent to existing pole, removal of pole will occur within workspace for pole replacement)
4	P103 – Micropile (temporary footpath, 75' x2', vegetation removal is not required)	28705026	Tulloch Family Partners 28223 Hwy 78 Ramona, CA 92065	33.0471, -116.7343	San Diego River HU Adjacent wetland to San Vicente Creek	39	Work space for new pole, 1,211 sq. ft. Work space for pole butt removal, 304 sq. ft Total impacts 1,515 sq. ft	Easy access to new pole off of adjacent dirt road; existing pole and access are within a wetland area
	Access & Pole butt removal:							
5	Access to pole P104 and pole butt removal (temporary footpath, 200 x 2 = 400 sq. ft veg clearing not required)	28705027	Tulloch Family Partners 28223 Hwy 78 Ramona, CA 92065	33.0484, -116.7329	San Diego River HU Adjacent wetland to San Vicente Creek		Work space 304 sq. ft	Existing pole P104 and access to the pole is within a wetland; New pole P104 has been relocated outside of wetland area. Pole removal via helicopter or cut into pieces and carried out by hand.
6	Access to pole P105 and pole butt removal (temporary footpath)	28705027	Tulloch Family Partners 28223 Hwy 78 Ramona, CA 92065	33.0496, -116.7316	San Diego River HU Adjacent wetland to San Vicente Creek		Work space 304 sq. ft	Existing pole P105 and access to the pole is within a wetland; New pole P105 has been relocated outside of wetland area. Pole removal via helicopter or cut into pieces and carried out by hand.
7	Access to pole P106 and pole butt removal (temporary footpath)	28705027	Tulloch Family Partners 28223 Hwy 78 Ramona, CA 92065	33.0508, -116.7302	San Diego River HU Adjacent wetland to San Vicente Creek		Work space 304 sq. ft	Existing pole P106 and access to the pole is within a wetland; New pole P106 has been relocated outside of wetland area. Pole removal same as above

Location #	Activity	APN	Parcel Ownership	Long/Lat	Watershed	Permanent (Square feet)	Temporary (Square feet)	Notes:
8	Access to pole P107 and pole butt removal (temporary footpath)	28611224	Tulloch Family Partners 28223 Hwy 78 Ramona, CA 92065	33.052, -116.7289	San Diego River HU Adjacent wetland to San Vicente Creek		Work space 304 sq. ft	Pole P107 is being eliminated from this tie line. Pole removal via helicopter or cut into pieces and carried out by hand.
9	Access to pole P114 and pole butt removal (temporary foot path)	28907004	Tulloch Family Partners 28223 Hwy 78 Ramona, CA 92065	33.061, -116.7188	San Diego Rive HU Adjacent wetland to Dye Creek		Work space 304 sq. ft	Pole butt removal and access. New pole has been relocated outside of a wetland area.
10	Access to pole P152 for placement of new pole and pole butt removal (temporary footpath)	24803008	Cumming Family Trust c/o Elizabeth Tulloch 28223 Hwy 78 Ramona, CA 92065	33.1025, -116.6693	San Dieguito HU Adjacent wetland, to unnamed trib to Santa Ysabel Creek		Access 8 x 10 = 80 sq. ft (Steel Plate) Work space 304 sq. ft 384 sq. ft.	Pole P152 is located outside of a wetland or jurisdictional area, however access to the pole for replacement and pole butt removal is through a wetland area
11	Access to pole P129 for pole butt removal (temporary footpath)	24813010	Tulloch Family Trust	33.0803 <i>,</i> -116.697	San Dieguito HU Adjacent wetland to Witch Creek		Work space 304 sq. ft	New pole P129 will be located outside of wetland area. Overland travel to pole when conditions are dry.
	Pole butt removal	s:						
12	R10	n/a	Pole is located within San Diego County Rd.	33.0185, -116.8484	San Diego River HU Unnamed trib to Santa Maria Creek		Work space 304 sq. ft	Easy access to pole off side of Creelmar Road
13	R169	n/a	Pole is located within San Diego County Rd.	33.0185, -116.8464	San Diego River HU Unnamed trib to Santa Maria Creek		Work space 304 sq. ft	Easy access to pole off side of Creelmar Road
14	R171	n/a	Pole is located within San Diego County Rd.	33.0185, -116.845	San Diego River HU Unnamed trib to Santa Maria Creek		Work space 304 sq. ft	Easy access to pole off side of Creelman Road
15	D167	n/a	Pole is located within San Diego County Rd.	33.0184 <i>,</i> -116.8486	San Diego River HU Unnamed trib to Santa Maria Creek		Work space 304 sq. ft	Easy access to pole off side of Creelman Road
16	R11	n/a	Pole is located within San Diego County Rd.	33.0185 <i>,</i> -116.8474	San Diego River HU Unnamed trib to Santa Maria Creek		Work space 304 sq. ft	Easy access to pole off side of Creelmar Road
17	R13	n/a	Pole is located within San Diego County Rd.	33.0185 <i>,</i> -116.8456	San Diego River HU Unnamed trib to Santa Maria Creek		Work space 304 sq. ft	Easy access to pole off side of Creelman Road
	Access:							
18	Placement of steel plate at Stringing Site #13				San Diego River HU Adjacent wetland to San Vicente Creek		8 X 10= 80 square feet	
19	Placement of steel plate on access road between poles P141 and P140	24813007	Jeff Wood 9727 Castaic Ct. Santee, CA 92071	33.0928, -116.6835	San Diego HU Unnamed trib to San Diego River		8 x 10 = 80 square feet	
	Total Impacts					98 square feet	7,526 square feet (0.17 acre)	
	. 5 ta p 4 0 to						.,	<u>l</u>

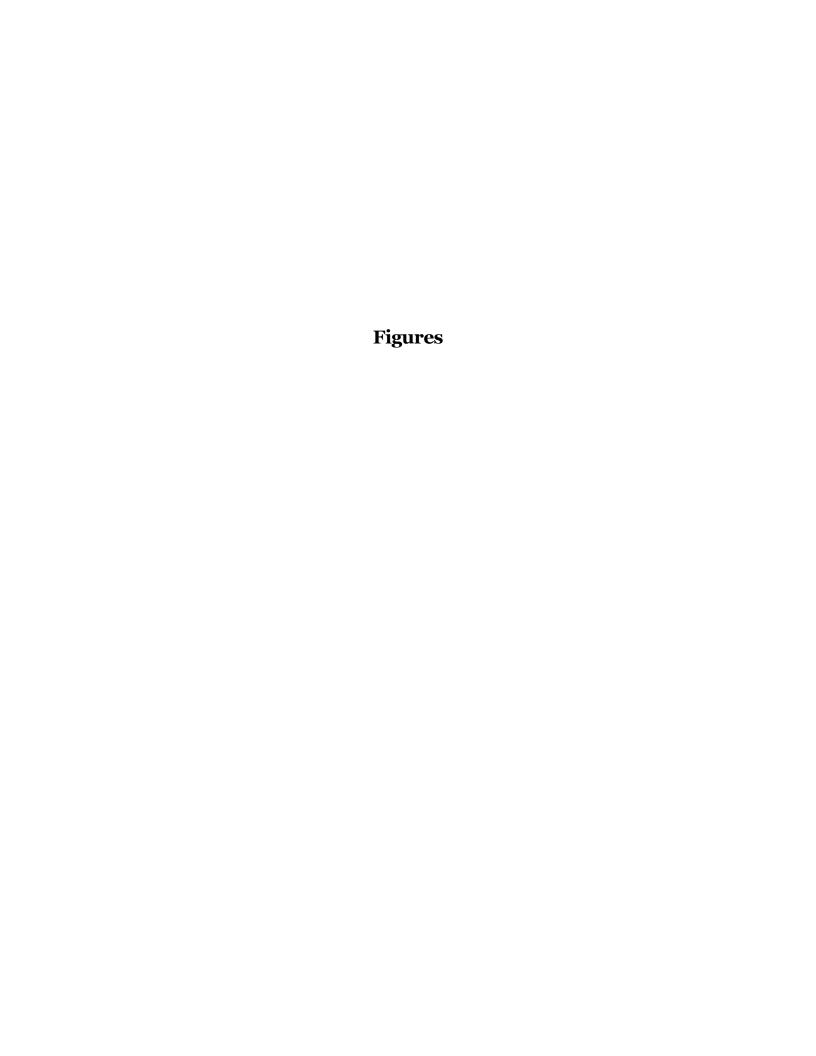
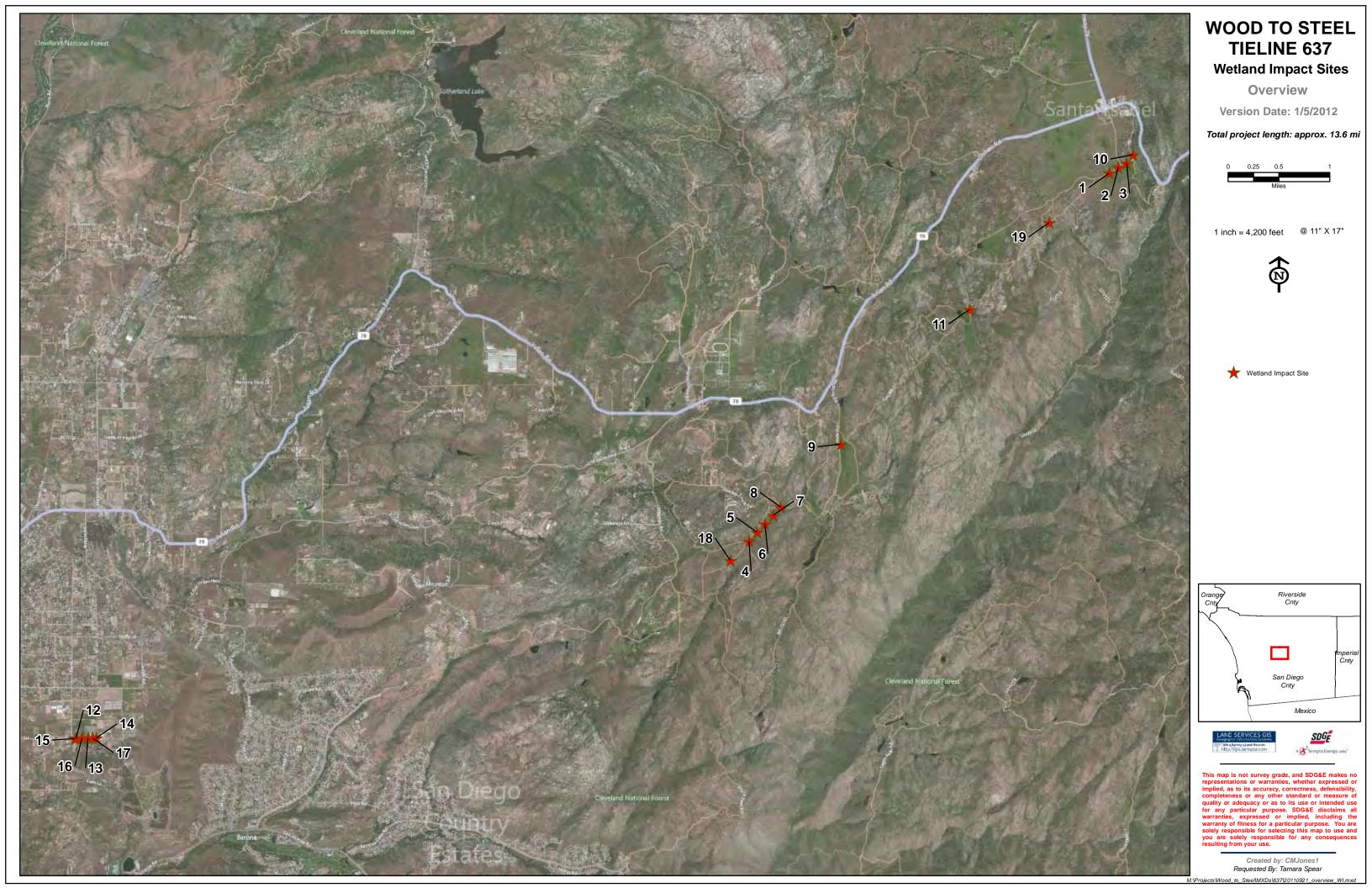
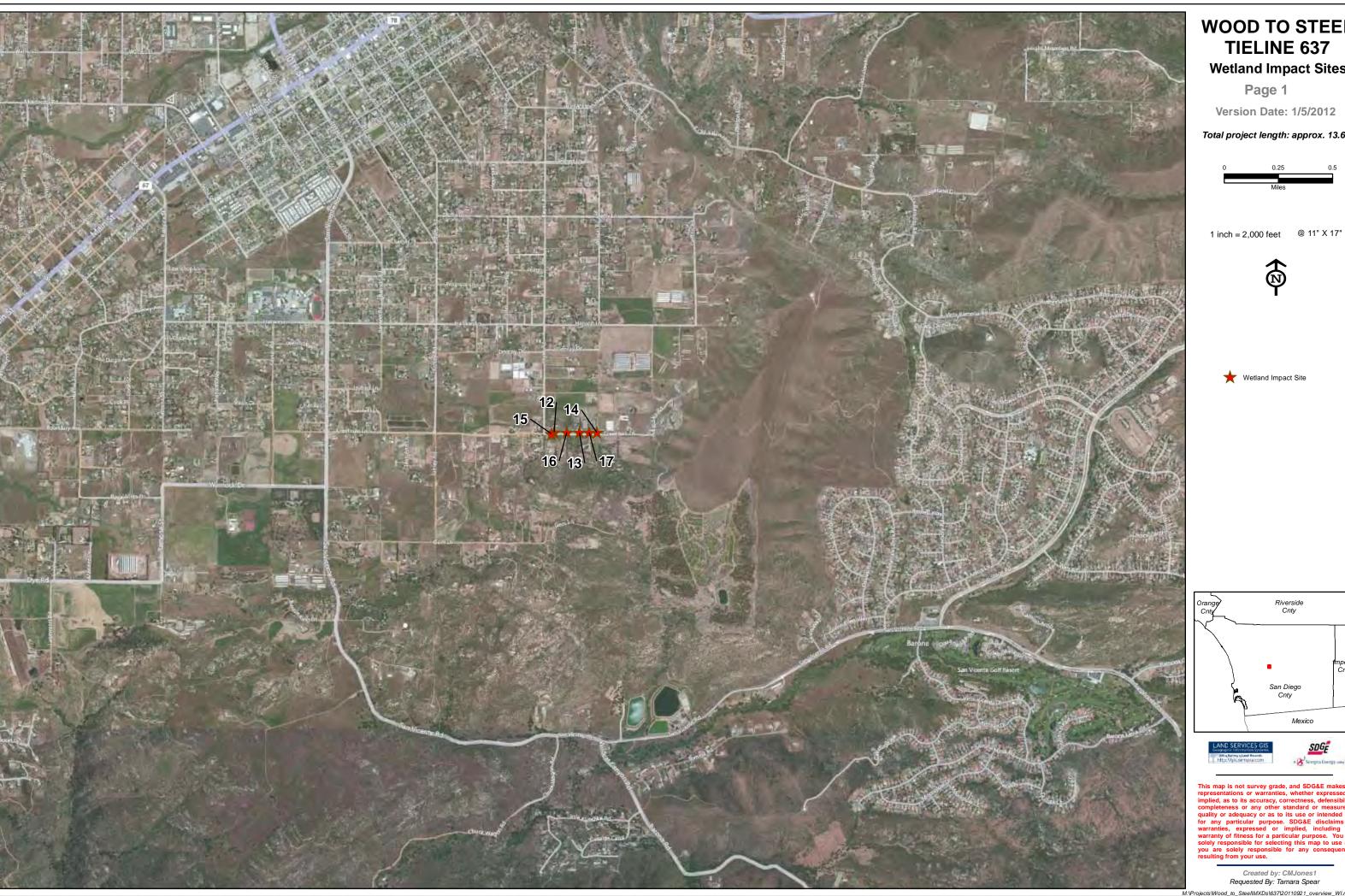


Figure 1 Wetland Impact Site Overview Aerials





WOOD TO STEEL TIELINE 637

Wetland Impact Sites

Page 1

Version Date: 1/5/2012

Total project length: approx. 13.6 mi





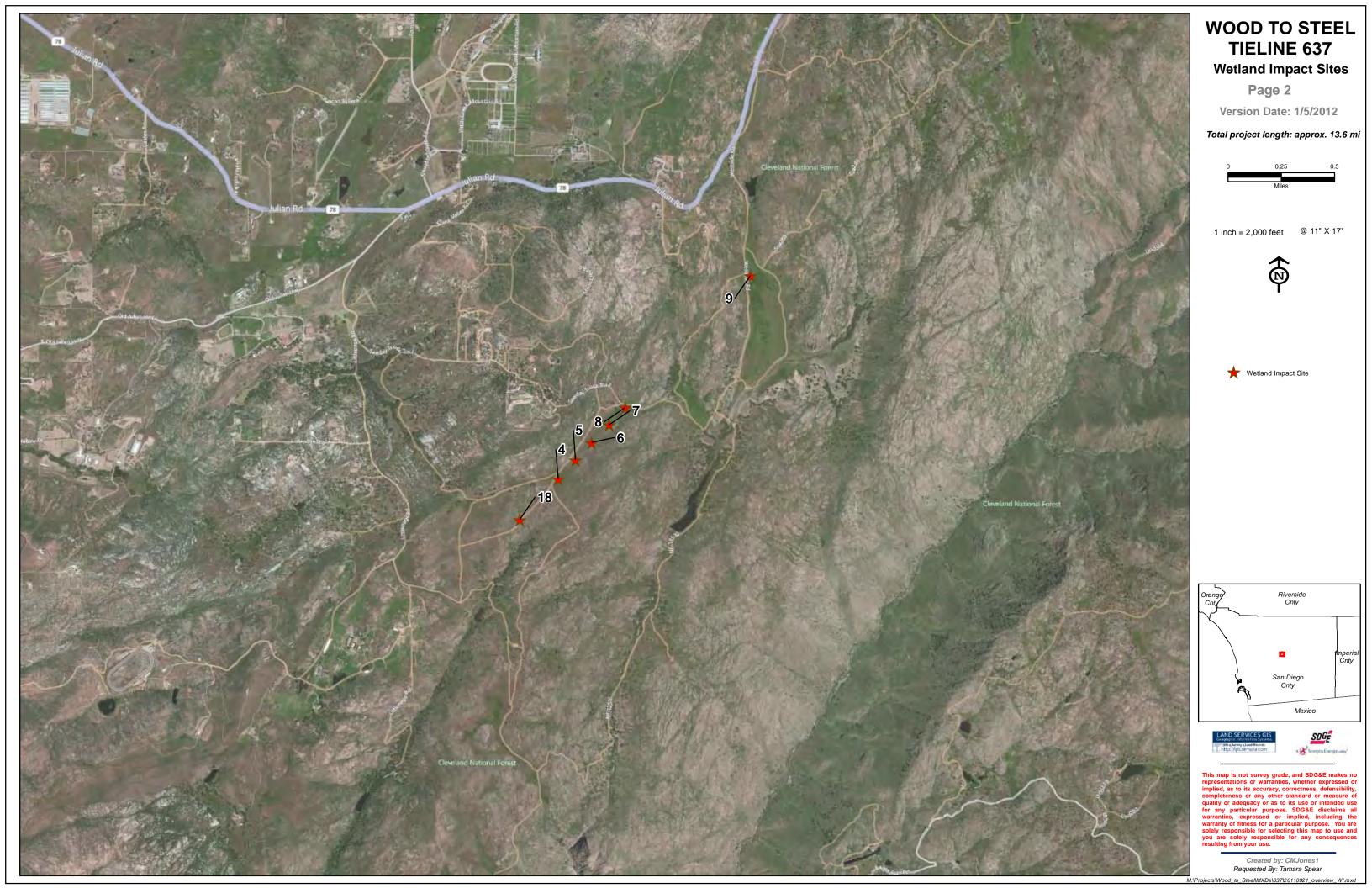








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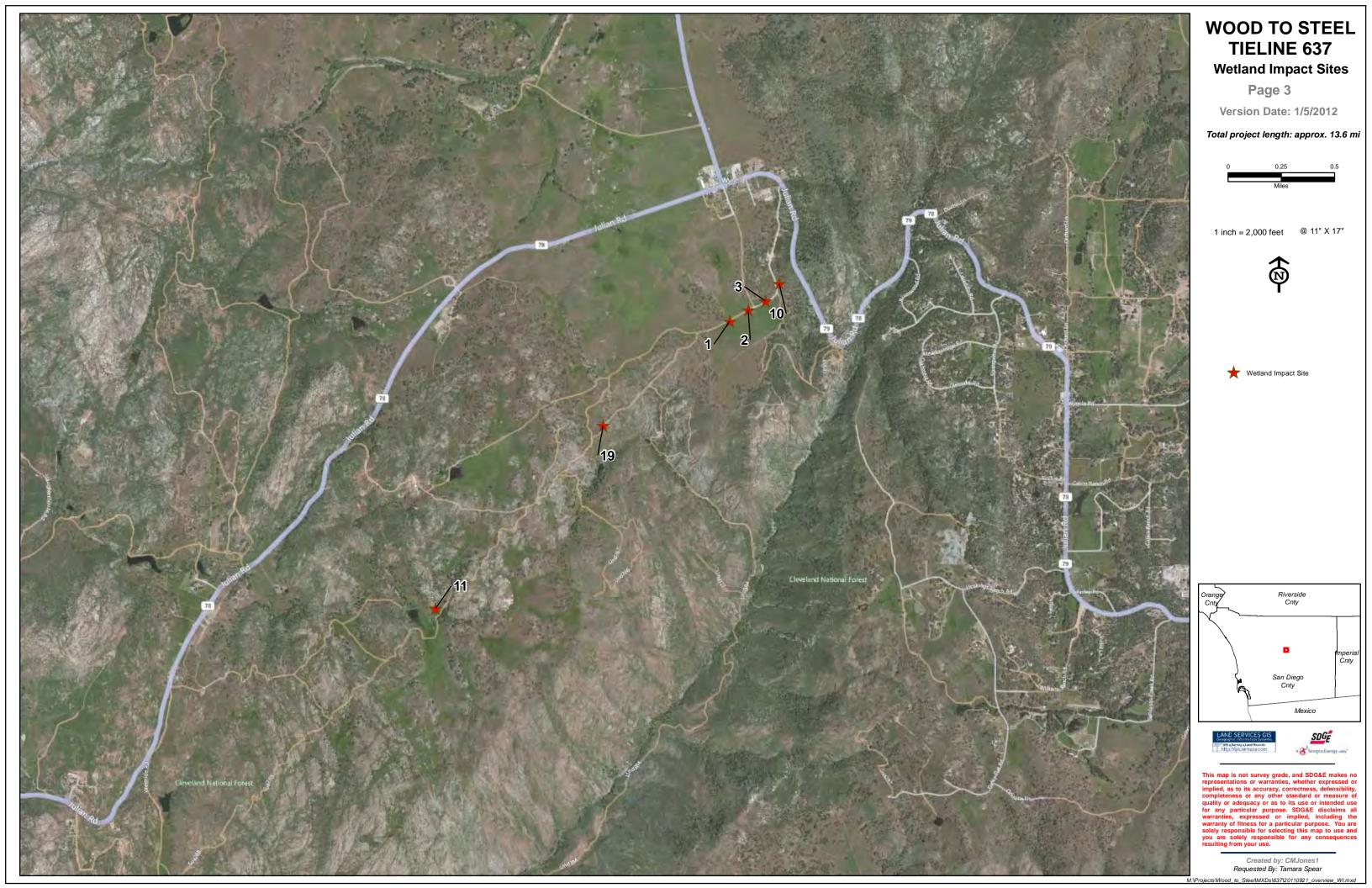
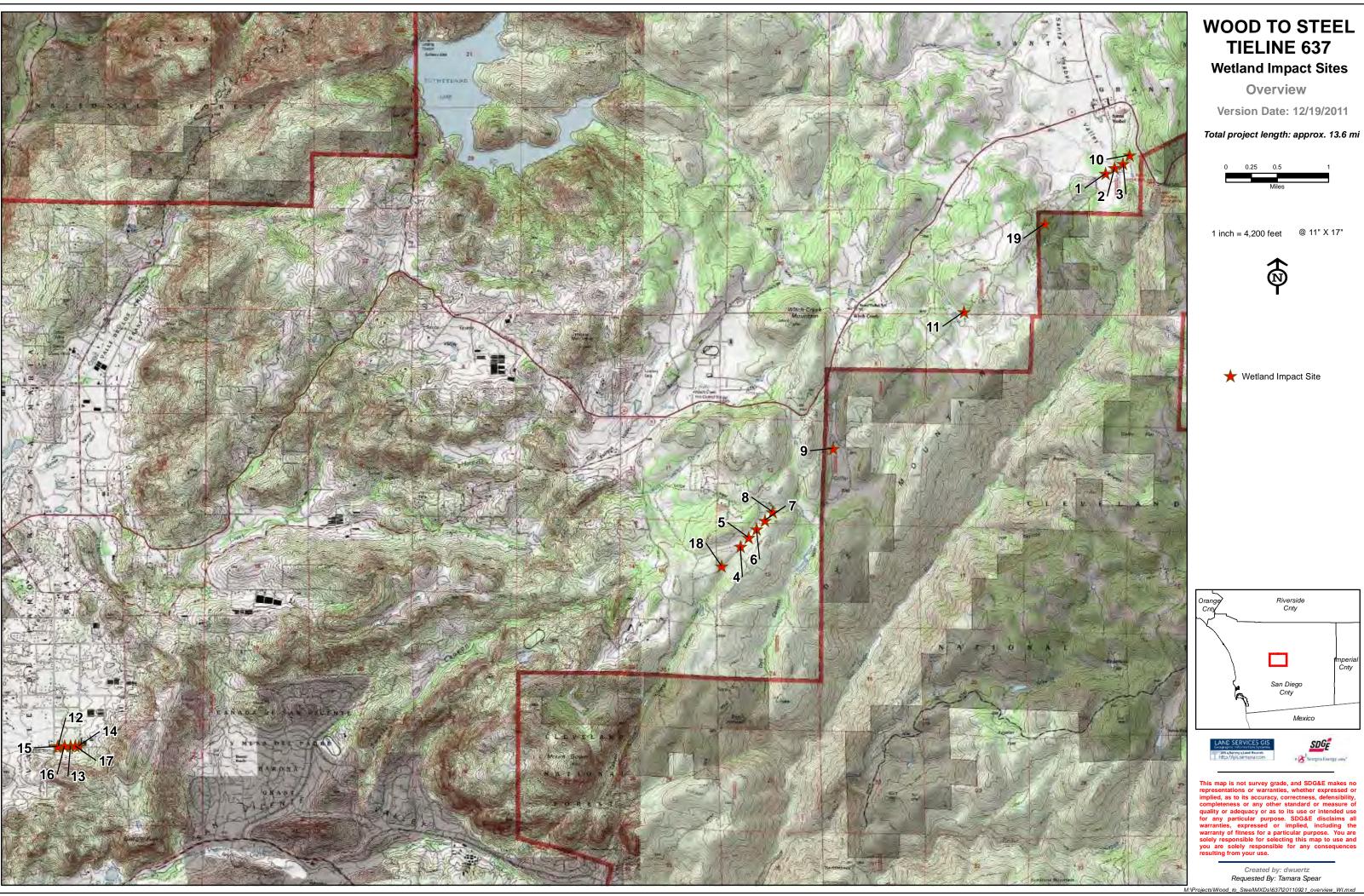
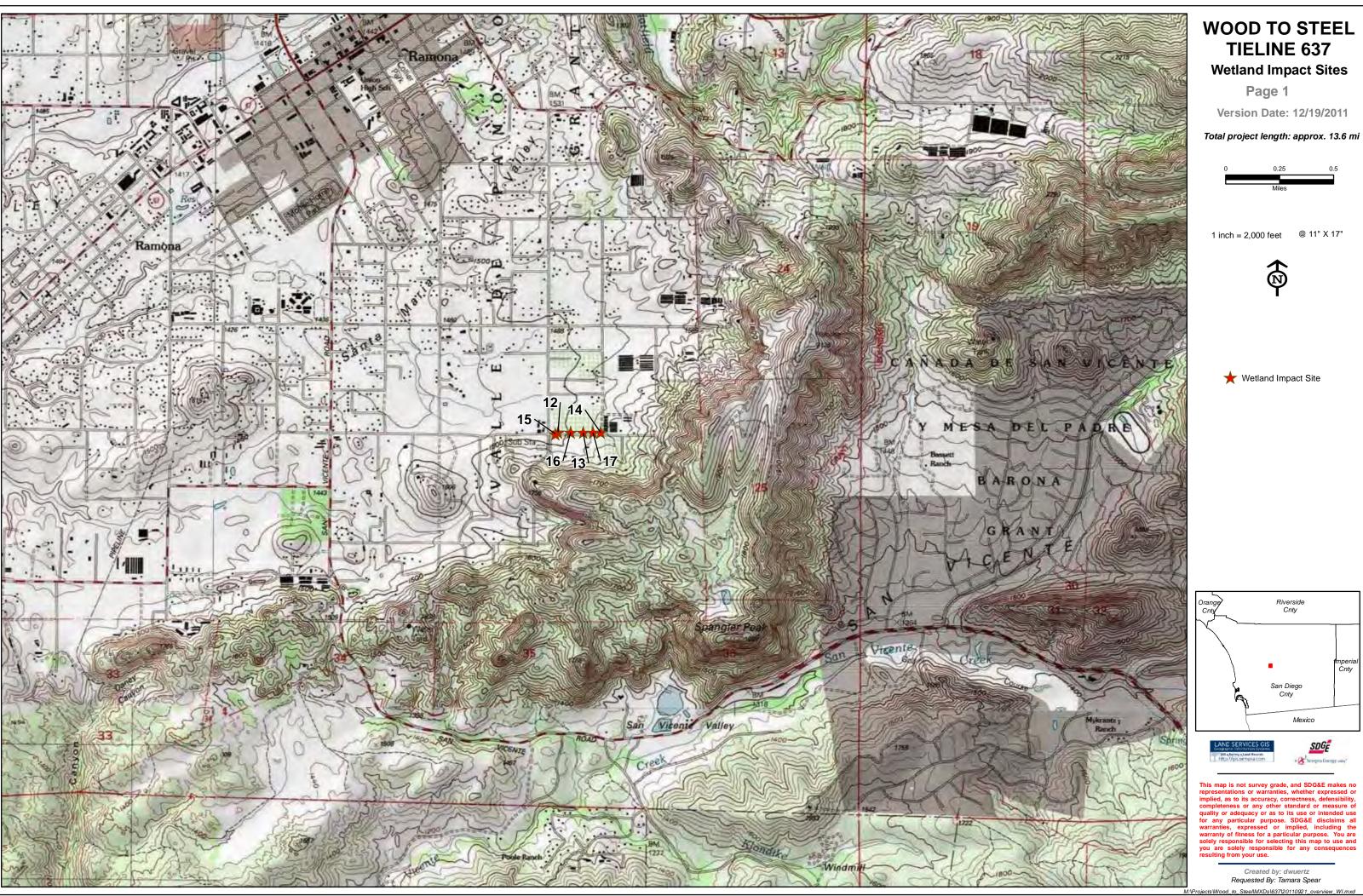


Figure 2 Wetland Impact Site Topographic Maps









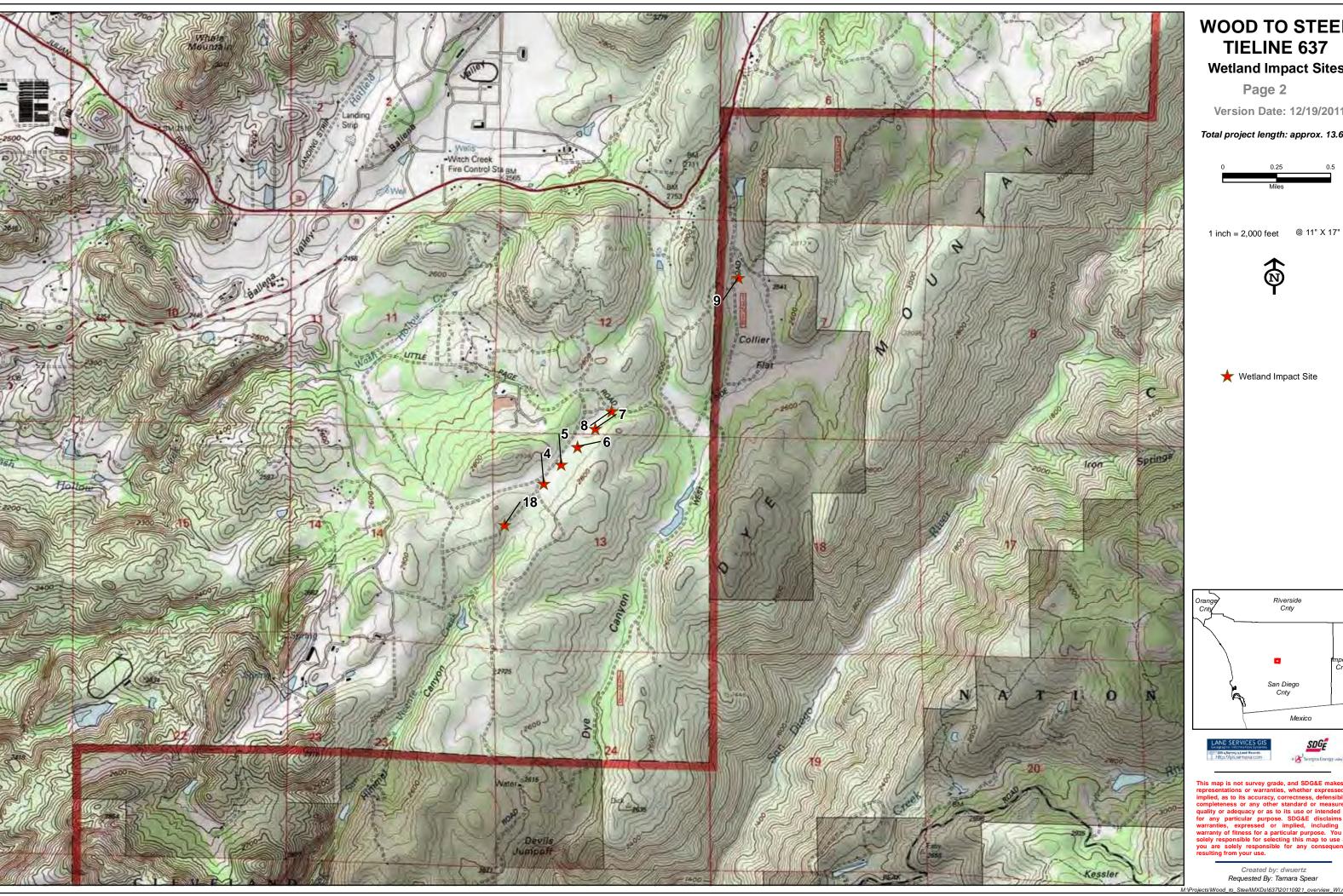
★ Wetland Impact Site







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WOOD TO STEEL TIELINE 637

Wetland Impact Sites

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Version Date: 12/19/2011

Total project length: approx. 13.6 mi





★ Wetland Impact Site

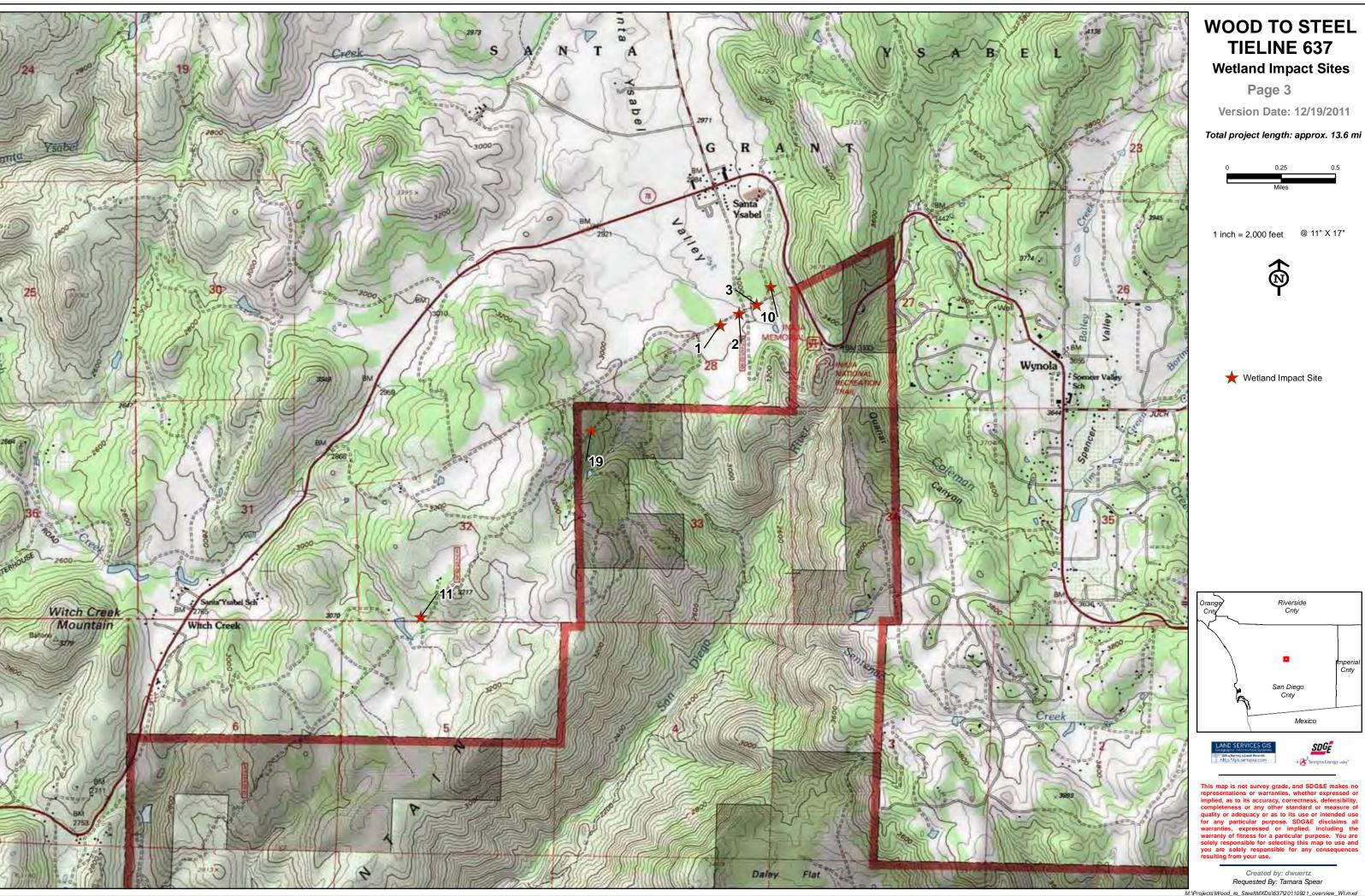






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WOOD TO STEEL TIELINE 637

Wetland Impact Sites

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Version Date: 12/19/2011





★ Wetland Impact Site

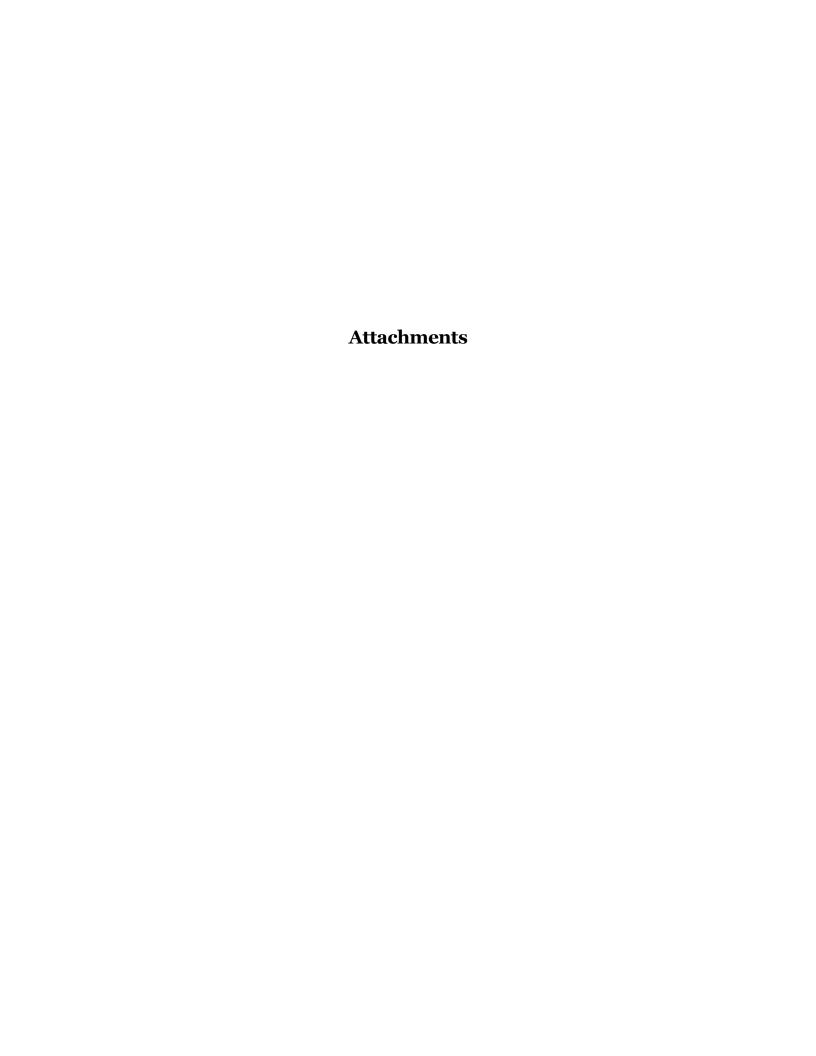






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Attachment A Wetland Determination Data Form

Some of the following field forms were altered with Chambers Group permission.
The actual pole numbers were replaced at the top of some of the field forms with arbitrary pole numbers and they are now in red.

WEI EARLD DET	ERMINATION DAT	A PORM - And West Region
Project/Site: SDGE TL 437/Helo	Site city/Count	y Ramona 1 San Diego Sampling Date 7/11/11
Applicant/Owner SDbE		State: CA Sampling Point: WL (- P)
Investigator(s): N. Cervin, M. Magor) Section T	ownship Range:
Landform (hillslope terrace etc.). hill Slope	Local relie	of (concave convex. none): CON COVE Slope (%). 30'
Subregion (LRR)	lat: 33-04	0367 Long -116.746318 Datum: NAD 8
Soil Map Unit Name Holland Fine Sand	1 1 00 00	NWI classification: NOOE
Are climatic / hydrologic conditions on the site typical for t	his time of year? Yes	X No. (New constants in Democratic
Are Vegetation X Soil X or Hydrology		
Are Vegetation Soil or Hydrology		
		(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing samplin	g point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No_X	0
Hydric Soil Present? Yes	No X	ne Sampled Area nin a Wetland? Yes No X
Wetland Hydrology Present? YesX	INO	
Remarks: Alea used for grazing	over Several	decades. Vegetation is disturbed
and all warm breched	4 TIMI Den ce	d Species Soils are heavily
Compacted due to lenguente	S.	The state of the s
VEGETATION - Use scientific names of pla	nts.	
7 0 m 10 m 1-1	Absolute Dominant	Indicator Dominance Test worksheet:
Tree Stratum (Plot size: 10' X 10')	% Cover Species?	
1. None		That Are OBL, FACW, or FAC:(A)
2		Total Number of Dominant
4	>	Species Across All Strata: 2 (B)
		Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: D' X 10')	= Total Col	That Are OBL, FACW, or FAC
1 None		Prevalence Index worksheet:
2		Total % Cover of:Multiply by:
3		
4		FACW species)x 2 = (0 &
5		FAC species1 x 3 =3
Herb Stratum (Plot size ID'X ID'	O'1. = Total Cov	
1 Amprosia aranthiraspa	30 Y	UPL species x 5 =
2 Rumex Crispus	30 9	FACW- Column Totals: 32 (A) 65 (B)
3 Lactura Serricia	i N	FAC Prevalence Index = B/A = 2.0
4 Bromus Diandrus	5 N	- Hydrophytic Vegetation Indicators:
5 ASCIPPINS Californica	i N	Dominance Test is >50%
6 Bromus Tectorum	I N	Prevalence Index is ≤3 0'
7 Clarkia sus serea	1 N	Morphological Adaptations' (Provide supporting
8 Juneus mexicanus		FACU) data in Remarks or on a separate sheet)
le I	70% = Total Cov	
Woody Vine Stratum (Plot size 10'X10')		
1 None		Indicators of nydric soil and wetland hydrology must be present, unless disturbed or problematic.
2		
0	O'/c = Total Cov	er Hydrophytic Vegetation
% Bare Ground in Herb Stratum 30 / % Cover	of Biotic Crust	Present? Yes No X
Remarks Hydric Sun Not Present, The	retor preva	leure render is not valid.

Depth	cription: (Describe		needed to docu	mont the	illuicator	0. 00	in the absence	or indicators.)
(inches)	Color (moist)	3/2	Redo	ox Feature		11	4	1 2 3 3 0 3 5
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	10423/2	100	-120 51	-			Sanc	lyloam
4	10 42 3/2	98	5 9R 5/6	21/0	RM	_m_	Sandy	loan
	10 1 3/2	100						
Type. C=Co	oncentration. D=Dep	letion. RM=	Reduced Matrix, CS	=Covered	or Coated	d Sand Gr	rains ² Loc	ation. PL=Pore Lining, M=Matrix.
nyaric Soil I	ndicators: (Application	able to all L	.RRs, unless other	wise note	ed.)			for Problematic Hydric Soils ¹ :
Histosol			Sandy Redo					luck (A9) (LRR C)
	ipedon (A2)		Stripped Ma					luck (A10) (LRR B)
Black His	stic (A3) n Sulfide (A4)		Loamy Much					ed Vertic (F18)
	Layers (A5) (LRR C		Loamy Gley		(F2)			rent Material (TF2)
	ck (A9) (LRR D)	1	Depleted Ma				Other (Explain in Remarks)
	Below Dark Surface	(A11)	X Redox Dark					
	rk Surface (A12)	. (/-(-)	Depleted Da Redox Depre				1	
	ucky Mineral (S1)		Vernal Pools	ESSIONS (F	8)			of hydrophytic vegetation and
	eyed Matrix (S4)		ventari ools	(1 3)				ydrology must be present
Restrictive L	ayer (if present):					-	uniess dis	sturbed or problematic.
Туре:								
Depth (inch	inamae R	schok o	bserved a	之 4"	, S	oil C	The residence	Ord Percent
Depth (inch Remarks: M Redox o Clonside	inamae R bserved o eved hydr	io noc	WEET WING	MILM	Kec		Moma	and Acrosint
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Depth (inches Performance Virtual Performance	bserved of the colors of the c	ic (ie	: Chroma o	of la	Kec		homa nexto fi 1. Realox (and Percent Bo Soil to be Concentrations) any Indicators (2 or more required)
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Depth (inch Remarks: M Remarks: M Remarks: M POROLOG Vetland Hydr rimary Indica Surface W High Wate Saturation Water Mar Sediment	bservect of bservect of evect hydromotors: tors (minimum of on vater (A1) er Table (A2) (A3) rks (B1) (Nonriverin Deposits (B2) (Nonri	e required; (: Chroma o check all that apply) Salt Crust (E Biotic Crust Aquatic Inve	311) (B12) rtebrates (less ar	mer	Noma Neirlo fe Necolox I Second Wa Drift X Dra	and Percent Soil to be Concentrations) ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) the Deposits (B3) (Riverine) inage Patterns (B10)
Depth (inches and inches and inch	bservect of the control of the contr	e required; (: Chroma o check all that apply) Salt Crust (E Biotic Crust Aquatic Inve	311) (B12) rtebrates (ulfide Odor	B13) (C1) s along Liv	mer	Second Second Second Drift (C3) Dry	and Percent Soil to be Concentrations) ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) in Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2)
Depth (inch Remarks: M Colox o Colox o	bservect of the control of the contr	e required: (: Chroma o check all that apply Salt Crust (E Biotic Crust Aquatic Inve Hydrogen Si Oxidized Rh Presence of	B11) (B12) Intebrates (ulfide Odor izospheres Reduced I	B13) (C1) s along Liv	red 2'1	Second Second Second Drift (C3) Cra	and Percent Soil to be Concentrations) ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) to Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8)
Depth (inch lemarks: M COOX O COOX O	bservect of the control of the contr	e required: (: Chroma o check all that apply) Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St Oxidized Rh	B11) (B12) Intebrates (Julfide Odor izospheres Reduced I Reduction	B13) r (C1) s along Liv lron (C4) in Tilled S	red 2'1	Second Second Wa Sec Drift K Dra G (C3) Cra Sati	and Percent Soil to be Concentrations) ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) to Deposits (B3) (Riverine) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9)
Depth (inch Remarks: M Colox o Colox o	bservect of bservect of bservect of bydrest of bydrest of bydrest of between the between the bservect of bservect	e required: (check all that applys Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St Oxidized Rh X Presence of Recent Iron	B11) (B12) Intebrates (Julfide Odor izospheres Reduced I Reduction urface (C7	B13) r (C1) s along Liv lron (C4) in Tilled S	red 2'1	Second Second Wa Sec Drift X Dra G(C3) Satu Sha	and Percent Soil to be Concentrations) ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) dinage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) ellow Aquitard (D3)
Depth (inche Remarks: M. Remar	bservect of bservect of bservect by drawn of on the control of the	e required: (check all that applys Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St Oxidized Rh X Presence of Recent Iron Thin Muck S	B11) (B12) Intebrates (Julfide Odor izospheres Reduced I Reduction urface (C7	B13) r (C1) s along Liv lron (C4) in Tilled S	red 2'1	Second Second Wa Sec Drift X Dra G(C3) Satu Sha	and Percent Soil to be Concentrations) ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) diage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9)
Depth (inche Remarks: M. Remar	bservect of bservect of bservect by drew cology Indicators: tors (minimum of on Mater (A1) ar Table (A2) (A3) rks (B1) (Nonrivering bits (B3) (Nonrivering b	e required; (e) iverine) ne) agery (87)	check all that applys Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St Oxidized Rh X Presence of Recent Iron Thin Muck S	B11) (B12) Intebrates (ulfide Odor izospheres Reduced I Reduction urface (C7 in in Rema	B13) (C1) s along Liv lron (C4) in Tilled S () arks)	red 2'1	Second Second Wa Sec Drift X Dra G(C3) Satu Sha	and Percent Soil to be Concentrations) ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) dinage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) ellow Aquitard (D3)
Depth (inches Remarks: M. Rema	bservect of bservect of bservect by drugs of the servect of the se	e required: (e) agery (B7)	: Chroma of theck all that apply) Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St Oxidized Rh X Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) rtebrates (ulfide Odor izospheres Reduced I Reduction urface (C7 in in Rema	B13) (C1) s along Liv lron (C4) in Tilled S (c) arks)	red 2'1	Second Second Wa Sec Drift X Dra G(C3) Satu Sha	and Percent Soil to be Concentrations) ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) dinage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) ellow Aquitard (D3)
Depth (inche Remarks: M. Remar	bservect of bserve	e required: (e) iverine) agery (B7)No	: Chroma of theck all that apply) Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St Oxidized Rh X Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) Intebrates (ulfide Odor izospheres Reduced I Reduction urface (C7 in in Rema	(B13) (C1) s along Liv lron (C4) in Tilled S (C)	ral 2' /	Second Second Second Second Second Cora Second Second	and Percent Soil to be Concentrations) ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) dinage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) ellow Aquitard (D3)
Depth (inche Remarks: M. Remar	bservect of bservect of bservect by drawn of on the control of the	e required; (e) iverine) ne) agery (B7) No No	check all that apply) Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St Oxidized Rh X Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) Intebrates (ulfide Odor izospheres Reduced I Reduction urface (C7 in in Rema	B13) (C1) s along Liv fron (C4) in Tilled S () arks)	ring Roots foils (C6)	Second Second Wa Sec Drif X Dra Cra Satu FAC	and Percent Soil to be Concentrations) ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9 tillow Aquitard (D3) C-Neutral Test (D5)
Depth (inche Remarks: M. Remar	bservect of bserve	e required; (e) iverine) ne) agery (B7) No No	check all that apply) Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St Oxidized Rh X Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) Intebrates (ulfide Odor izospheres Reduced I Reduction urface (C7 in in Rema	B13) (C1) s along Liv fron (C4) in Tilled S () arks)	ring Roots foils (C6)	Second Second Wa Sec Drif X Dra Cra Satu FAC	and Percent Soil to be Concentrations) ary Indicators (2 or more required) ter Marks (B1) (Riverine) diment Deposits (B2) (Riverine) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9 tillow Aquitard (D3) C-Neutral Test (D5)

Applicant/Owner San Sirgo Gas and Elec- Investigator(s): Nichole Cenin, Mayor	wic Common	State: _(CA Sampling Point: WL-2
Investigator(s): Alichole l'enin, Mayorm	M. 4 44 O		
1' 0'	Section i	Township Range	
Landform (hillstope terrace etc.): hull Stope	Local reli	ef (concave convex none):	('DYCOLUS Slace (%): 15'
Subregion (LRR)	_ Lat: 33 .0	48410 Long -11	9 7380103 Datum: NAN
Soil Map Unit Name. Loany Alluviala	nd	NV.	A classification: A DAY
Are climatic / hydrologic conditions on the site typical for th			
Are Vegetation X Soil X or Hydrology			stances' present? Yes X No
Are Vegetation Soil or Hydrology			ny answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map			
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes X Metland Hydrology Present?	lo ls t	he Sampled Area	/es No
Remarks: AREA historically Gazed for Compitition WI non-native speci		eg bisturbed from Vy Compacted. A	n trampering and KEA With "Wet Meadav"
/EGETATION – Use scientific names of plan			
Tree Stratum (Plot size _ ID' × 101)	% Cover Species?	t Indicator Dominance To	est worksheet: minant Species
1. None		That Are OBL.	FACW. or FAC: (A)
2		Total Number	of Dominant
3.		Species Acros	
Sapling/Shrub Stratum (Plot size: しっぱいし)	= Total Co		ninant Species FACW, or FAC 12 1501. (A/B)
None		Prevalence Inc	dex worksheet:
2.		Total % Co	
		OBL species	31 x1= 562
•			$(0 \times 2 = 12$
			x 3 =
lerb Stratum (Plot size 10×10'	= Total Co		x 4 =
Eleocharis Macrostachya	30% yes	OBI Column Totals	$\frac{1}{37}$ (A) $\frac{1}{74}$ (B)
Jianeus dubious	51. NO	Facut Column Totals	<u> </u>
Rumex crispus	11. NO.	Facu- Prevalence	ce Index = B/A =
Horden murinum	30% yes		egetation Indicators:
Eremocaupis setigenus Heliotropium Curassavkum	1.10 NO	10011	e Test is >50%
Helioti opium (urassavkum	1.1 NO		e Index is ≤3.0°
			ical Adaptations' (Provide supporting Remarks or on a separate sheet)
Vocdy Vine Stratum (Plot size 10 x 10)	(08)1. = Total Co	- Cashia-sali	c Hydrophytic Vegetation' (Explain)
NONE		Indicators of ny	ydric soil and wetland hydrology must
			ess disturbed or problematic.
6 Bare Ground in Herb Stratum32 % Cover	= Total Co	Vegetation Present?	Yes X No

	•	
	ı	

	Matrix		Redo	x Feature	s				tors.)	
(inches)	Color (moist)		Color (moist)	%			Texture		Remarks	
	104R ² /2	<u>90</u>	548516	_5_	<u>km</u>	<u></u>	Sand	jiloa	m	
		:								
Type: C=Co	oncentration. D=Depte	etion. RM=F	Reduced Matrix, CS	=Covered	or Coate	d Sand Gra	ains. ² Loc	ation. PL=	Pore Lining, M=	Matrix
Hydric Soil I	ndicators: (Applicat	ble to all L	RRs, unless other	wise note	d.)	9-10-10-10-10-10-10-10-10-10-10-10-10-10-		for Proble	matic Hydric Sc	ils ³ :
Histosol (Sandy Redo	x (S5)			1 cm M			W5 8
	ipedon (A2)		Stripped Ma	trix (S6)			2 cm M			
Black His			Loamy Muck				Reduce			
	Sulfide (A4)		Loamy Gley		(F2)		Red Pa			
	Layers (A5) (LRR C) ck (A9) (LRR D)		Depleted Ma	itrix (F3)			Other (I	Explain in F	Remarks)	
	Below Dark Surface	/A 1 1 1	X Redox Dark	Surface (F	-6;					
	rk Surface (A12)	(411)	Depleted Da				1	Co. Let Jan.		
	ucky Mineral (S1)		Redox Depre		8)				rtic vegetation ar	d
							wetland h	ivarology m	nust be present.	
			Verrial Pools	(1-3)						
Sandy Gle	eyed Matrix (S4) ayer (if present):		Verrial Pools	((-9)	-				problematic.	
Sandy Gle Restrictive La	eyed Matrix (S4) ayer (if present):			(ГЭ)					problematic.	
Sandy Gle Restrictive La Type:	eyed Malrix (S4) ayer (if present):			(19)			unless dis	sturbed or p	V	
Sandy Gle Restrictive La Type: Depth (inch	eyed Matrix (S4) ayer (if present):			, (F3)				sturbed or p	V	4o
Sandy Glo Restrictive La Type: Depth (inch Remarks: YDROLOG Wetland Hydro Primary Indicat Surface W High Wate Saturation Water Mar Sediment (Drift Depos Surface So Inundation Water-Stain	eyed Matrix (S4) ayer (if present): nes): ology Indicators: tors (minimum of one /ater (A1) or Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine pil Cracks (B6) Visible on Aerial Imagned Leaves (B9)	required; c	heck all that apply) Salt Crust (E Biotic Crust Aquatic Inve	311) (B12) Intebrates (ulfide Odol izospheres Reduced Reduction urface (C7	r (C1) s along Liv Iron (C4) in Tilled S	ung Roots	Unless dis Hydric Soil F Second Wa Sec Drift Dra (C3) Cra Sat Sha	ary Indicate ter Marks (diment Deposits iinage Patte-Season Wayfish Burrouration Visuallow Aquita	Yes X I	quired)
Sandy Glo Restrictive La Type: Depth (inch Remarks: YDROLOG Wetland Hydro Primary Indicat Surface W High Wate Saturation Water Mar Sediment (Drift Depos Surface So Inundation Water-Stain ield Observat	eyed Matrix (S4) ayer (if present): nes). ir Y ology Indicators: tors (minimum of one /ater (A1) or Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine bit Cracks (B6) Visible on Aerial Imagened Leaves (B9) tions:	required; c	heck all that apply) Salt Crust (E Biotic Crust Aquatic Inve Hydrogen Si X Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	311) (B12) Intebrates (ulfide Odol izospheres Reduced Reducetion urface (C7 in in Rema	r (C1) s along Liv Iron (C4) in Tilled S ?) arks)	ving Roots Soils (C6)	Unless dis Hydric Soil F Second Wa Sec Drift Dra (C3) Cra Sat Sha	ary Indicate ter Marks (diment Deposits inage Pattire-Season Wyfish Burrouration Visitative Education Visitative Indication Visitative Indication Visitative Indication Visitative Indication Visitative Indication Visitative Indication Visitative Indicative Indication Visitative Indicative Indicati	Yes X I	quired)
Sandy Glo Restrictive La Type: Depth (inch Remarks: YDROLOG Wetland Hydro Primary Indicat Surface W High Wate Saturation Water Mar Sediment (Drift Depos Surface So Inundation Water-Stain ield Observat	eyed Matrix (S4) ayer (if present): nes). prology Indicators: tors (minimum of one later (A1) or Table (A2) (A3) res (B1) (Nonriverine Deposits (B2) (Nonriverine Dil Cracks (B6) Visible on Aerial Image ned Leaves (B9) tions: Present? Yes	required; of verine) gery (B7)	heck all that apply) Salt Crust (E Biotic Crust Aquatic Inve Hydrogen Si X Oxidized Rh X Presence of Recent Iron Thin Muck S Other (Expla	311) (B12) Intebrates (ulfide Odor izospheres Reduced Reduction urface (C7 in in Rema	r (C1) s along Liv Iron (C4) in Tilled S ') arks)	ving Roots Soils (C6)	Unless dis Hydric Soil F Second Wa Sec Drift Dra (C3) Cra Sat Sha	ary Indicate ter Marks (diment Deposits iinage Patte-Season Wayfish Burrouration Visuallow Aquita	Yes X I	quired)
Sandy Glo Restrictive La Type: Depth (inch Remarks: YDROLOG Wetland Hydro Primary Indicat Surface W High Wate Saturation Water Mari Sediment I Drift Depos Surface So Inundation	eyed Matrix (S4) ayer (if present): nes). ology Indicators: tors (minimum of one later (A1) or Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine oil Cracks (B6) Visible on Aerial Image ned Leaves (B9) tions: Present? Yes esent? Yes	required: c	heck all that apply) Salt Crust (E Biotic Crust Aquatic Inve Hydrogen Si X Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) Intebrates (ulfide Odol izospheres Reduction urface (C7 in in Remailes) es)	r (C1) s along Liv Iron (C4) in Tilled S r) arks)	ving Roots	Unless dis Hydric Soil F Second Wa Sec Drit Dra (C3) Dry Cra Sat Sha FAC	ary Indicate ter Marks (diment Deposits inage Patti-Season Wayfish Burrouration Visiallow Aquita C-Neutral T	yes X I	guired) rine) agery (C

Project/Site: ShinE TLL 637 / P10	3 city/county Rarva	na / San Diego Sampling Date 7/1/11
Applicanuowner Son Diego GAS Qui	od Plactric Coma	MALL State: CA Sampling Point: 1013-P2
Investigator(s): Nichole Censin Mayor	Ma46M , Section Township B	Panne.
Landform (hillstope, terrace etc.), Nie 2100e	Local relief (concave	convex. none): <u>CorCane</u> , Slope (%): <u>101-</u>
Subregion (LRR)	33.647098	Long -116.734339 Datum: NAD83
Scil Map Unit Name: Loamy Alluvial la		NWI classification: NONE
Are climatic / hydrologic conditions on the site typical for the		
Are Vegelation X Soil X or Hydrology		* 'Normal Circumstances' present? Yes No
Are Vegetation Soil or Hydrology		needed, explain any answers in Remarks)
SUMMARY OF FINDINGS - Attach site map	showing sampling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No	
Hydric Soil Present? Yes	No	d Area and? Yes X No
Wetland Hydrology Present? Yes	VO OV	
Remarks: Apro historication used wagetation I Competition with	In Catili grazing b	or Accordes. Transcring of
Vegetation I Competition with	non-native Speci	es) Soils Compacted.
ů .		
VEGETATION - Use scientific names of plan	nts.	
Tree Stratum (Plot size 10' × 10'	Absolute Dominant Indicator	Dominance Test worksheet:
1. Juneus previranus	% Cover Species? Status	Number of Dominant Species
2. Kamei		That Are OBL. FACW. or FAC:(A)
2 110 70-05		Total Number of Dominant Species Across All Strata:(B)
4		
11	O'l. = Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC
Sapling/Shrub Stratum (Plot size: 10 'X 10')		
1 No Saplingsorshubs		Prevalence Index worksheet:
3		Total % Cover of: Multiply by: OBL species O'l, x 1 = O
4		FACW species 261, x2 = 52
5		FAC species x3 =
	O'/i = Total Cover	FACU species $16'1$, $x4 = 32$
Herb Stratum (Plot size 10' x 10')	The same of the sa	UPL species
1 Juneus mexicanus	25% yes FACW	Column Totals: 42 (A) 54 (B)
2 Kumer (nspus)	1.1. NO FACW	Sandan Internation St. 2
3 Clarkia pinguea. 4 Amborsia amnificarpa.	27. No — 15% yes —	Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
5 Brown & Moderne ill	15% NO FACU	Dominance Test is >50%
6 Erodium Cicutarium	#51. NO -	× Prevalence Index is ≤3.0°
7 Lotus Punsnianus	10% ND -	Morphological Adaptations' (Provide supporting
8 Vulpia my mos	11. NO FACL	data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size 10 x 10)	84% = Total Cover	Problematic Hydrophytic Vegetation (Explain)
1 No Woody Vine 5		Indicators of nydric soil and wetland hydrology must be present, unless disturbed or problematic
2		
and the second s	O'/, = Total Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum 16 /	of Biotic Crust	Present? Yes No
Remarks		

Type: C=Concentration. D=Depletion. RM=Reduced Matrix. CS=Covered or Coated Sand Grains. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Redox Depressions (F8) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (F2) Wernal Pools (F9) Wernal Pools (F9) Hydremarks:	Pemarks 2 Cocation: PL=Pore Lining, M=Matrix. dicators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) dicators of hydrophytic vegetation and vetland hydrology must be present. Incless disturbed or problematic.
Type: C=Concentration. D=Depletion. RM=Reduced Matrix. CS=Covered or Coated Sand Grains. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Ind Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) I cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Nepleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Westrictive Layer (if present): Type. Depth (inches): Hydremarks:	² Location: PL=Pore Lining, M=Matrix. dicators for Problematic Hydric Soils ² : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) dicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic.
Type: C=Concentration. D=Depletion. RM=Reduced Matrix. CS=Covered or Coated Sand Grains. Indicators: (Applicable to all LRRs, unless otherwise noted.) Ind Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) we strictive Layer (if present): Type: Depth (inches):	² Location: PL=Pore Lining, M=Matrix. dicators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) dicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic.
Histosol (A1) Histosol (A2) Black Histic (A3) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Wernal Pools (F9) Depth (inches): Depth (inches): Ind Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Vernal Pools (F9) Wurden And Surface (A12) Wernal Pools (F9) Hydrogen Sulfide (A4) Stripped Matrix (S4) Population Surface (F6) Wernal Pools (F9) Hydrogen Sulfide (A4) Stripped Matrix (S4) Stripped Matrix (S4) Stripped Matrix (S4) Stripped Matrix (S4) Wernal Pools (F9) Hydrogen Sulfide (A2) Figure 1 Figure 1 Figure 1 Figure 2 Figure 1 Figure 2 Figure 2 Figure 3 Figure 4 Figure 3 Figure 4 Figure 3 Figure 4 Figure 3 Figure 3 Figure 3 Figure 3 Figure 4 Figure 3 Figure 4 Figu	dicators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) dicators of hydrophytic vegetation and vetland hydrology must be present unless disturbed or problematic.
Histosol (A1) Histosol (A2) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stripped Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Vernal Pools (F9) Depth (inches): Depth (inches): Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Wernal Pools (F9) Hydrogen Sulfide (A4) Stratified Layer (If present): Type. Depth (inches): Hydrogen Matrix (S4) Belack Histic (S5) Loamy Mucky Mineral (F1) Loamy Mucky Mineral (F1) Pepth (inches): Hydrogen Matrix (S4) Sandy Mucky Mineral (S1) Vernal Pools (F9) Hydrogen Matrix (S4) Hydrogen Sulfide (A4) Sandy Mucky Mineral (S1) Vernal Pools (F9) Hydrogen Matrix (S4) Hydrogen Sulfide (A4) Sandy Mucky Mineral (S1) Figure 1 Figure 1 Figure 2 Figure 1 Figure 2 Figure 3 Figure 4 Figure 3 Figure 4 Figure 3 Figure 3 Figure 4 Figure 3 Figure 3 Figure 4 Figure 3 Figure 4 F	dicators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) dicators of hydrophytic vegetation and vetland hydrology must be present unless disturbed or problematic.
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Histosol (A1) Histosol (A2) Black Histic (A3) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Wernal Pools (F9) Depth (inches): Depth (inches): Ind Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Vernal Pools (F9) Wurden And Surface (A12) Wernal Pools (F9) Hydrogen Sulfide (A4) Stripped Matrix (S4) Population Surface (F6) Wernal Pools (F9) Hydrogen Sulfide (A4) Stripped Matrix (S4) Stripped Matrix (S4) Stripped Matrix (S4) Stripped Matrix (S4) Wernal Pools (F9) Hydrogen Sulfide (A2) Figure 1 Figure 1 Figure 1 Figure 2 Figure 1 Figure 2 Figure 2 Figure 3 Figure 4 Figure 3 Figure 4 Figure 3 Figure 4 Figure 3 Figure 3 Figure 3 Figure 3 Figure 4 Figure 3 Figure 4 Figu	dicators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) dicators of hydrophytic vegetation and vetland hydrology must be present unless disturbed or problematic.
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Histosol (A1) Histosol (A2) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stripped Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Wernal Pools (F9) Depth (inches): Depth (inches): Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Vernal Pools (F9) Hydrogen Sulfide (A12) Wernal Pools (F9) Hydrogen Sulfide (A13) Sandy Mucky Mineral (S1) Depth (inches): Hydrogen Sulfide (A2) Sandy Mucky Mineral (S1) Depth (inches): Hydrogen Sulfide (A2) Stripped Matrix (S6) Depth (inches): Hydrogen Sulfide (A1) Stripped Matrix (S6) Depth (inches): Hydrogen Sulfide (A1) H	dicators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) dicators of hydrophytic vegetation and vetland hydrology must be present unless disturbed or problematic.
Histosol (A1) Histosol (A2) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stripped Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Thick Dark Surface (A11) Sandy Mucky Mineral (F1) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (F3) Wernal Pools (F9) Wernal Pools (F9) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): Hydrogen Sulfide (A2) Sandy Redox (S5) Loamy Redox (S5) Depleted Matrix (F2) Depleted Matrix (F3) Vernal Pools (F9) Hydrogen Sulfide (A2) Hydrogen Sulfide (A2) Sandy Gleyed Matrix (S4) Estrictive Layer (if present): Hydrogen Sulfide (A2) Hydrogen Sulfide (A2) Sandy Gleyed Matrix (S4) Estrictive Layer (if present): Hydrogen Sulfide (A2) Hydrogen Sulfide (A2) Sandy Redox (S5) Loamy Redox (S5) Estripped Matrix (S6) Depleted Matrix (F2) Depleted Matrix (F2) Peleted Matrix (F3) Edwards (F6) Vernal Pools (F9) Hydrogen Sulfide (A4) Estrictive Layer (if present): Hydrogen Sulfide (A2) Estrictive Layer (if present):	dicators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) dicators of hydrophytic vegetation and vetland hydrology must be present unless disturbed or problematic.
Histosol (A1) Histosol (A2) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stripped Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Thick Dark Surface (A11) Sandy Mucky Mineral (F1) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (F3) Wernal Pools (F9) Wernal Pools (F9) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type: Depth (inches): Hydrogen Sulfide (A2) Sandy Redox (S5) Loamy Redox (S5) Depleted Matrix (F2) Depleted Matrix (F3) Vernal Pools (F9) Hydrogen Sulfide (A2) Hydrogen Sulfide (A2) Sandy Gleyed Matrix (S4) Estrictive Layer (if present): Hydrogen Sulfide (A2) Hydrogen Sulfide (A2) Sandy Gleyed Matrix (S4) Estrictive Layer (if present): Hydrogen Sulfide (A2) Hydrogen Sulfide (A2) Sandy Redox (S5) Loamy Redox (S5) Estripped Matrix (S6) Depleted Matrix (F2) Depleted Matrix (F2) Peleted Matrix (F3) Edwards (F6) Vernal Pools (F9) Hydrogen Sulfide (A4) Estrictive Layer (if present): Hydrogen Sulfide (A2) Estrictive Layer (if present):	dicators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) dicators of hydrophytic vegetation and vetland hydrology must be present unless disturbed or problematic.
Histosol (A1) Histosol (A2) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stripped Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Wernal Pools (F9) Depth (inches): Depth (inches): Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Vernal Pools (F9) Hydrogen Sulfide (A12) Wernal Pools (F9) Hydrogen Sulfide (A13) Sandy Mucky Mineral (S1) Depth (inches): Hydrogen Sulfide (A2) Sandy Mucky Mineral (S1) Depth (inches): Hydrogen Sulfide (A2) Stripped Matrix (S6) Depth (inches): Hydrogen Sulfide (A1) Stripped Matrix (S6) Depth (inches): Hydrogen Sulfide (A1) H	dicators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) dicators of hydrophytic vegetation and vetland hydrology must be present unless disturbed or problematic.
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stripped Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Tom Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (F3) Vernal Pools (F9) Pestrictive Layer (if present): Type. Depth (inches): Hydre	1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) dicators of hydrophytic vegetation and vetland hydrology must be present unless disturbed or problematic.
Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Nedox Depressions (F8) Index Surface (A12) Redox Depressions (F8) Index Surface (A12) Redox Depressions (F8) Vernal Pools (F9) we strictive Layer (if present): Type Depth (inches): Hydrogen Autrix (F2) Hydrogen Surface (F6) Head on the properties of the propertie	2 cm Muck (A10) (LRR B) Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) dicators of hydrophytic vegetation and vetland hydrology must be present unless disturbed or problematic.
	Reduced Vertic (F18) Red Parent Material (TF2) Other (Explain in Remarks) dicators of hydrophytic vegetation and vetland hydrology must be present unless disturbed or problematic.
Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4) estrictive Layer (if present): Type. Depth (inches): Hydresents:	Red Parent Material (TF2) Other (Explain in Remarks) dicators of hydrophytic vegetation and vetland hydrology must be present unless disturbed or problematic.
	Other (Explain in Remarks) dicators of hydrophytic vegetation and velland hydrology must be present. unless disturbed or problematic.
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Pestrictive Layer (If present): Type: Depth (inches): Hydresents:	dicators of hydrophytic vegetation and vetland hydrology must be present. Inless disturbed or problematic.
Thick Dark Surface (A12) Redox Depressions (F8)	vetland hydrology must be present. inless disturbed or problematic.
Sandy Mucky Mineral (S1) Vernal Pools (F9) w Sandy Gleyed Matrix (S4) under the strictive Layer (If present): Type	vetland hydrology must be present. inless disturbed or problematic.
Sandy Midcky Militeral (S1) Vernal Pools (F9) William Sandy Gleyed Matrix (S4) Uil setrictive Layer (if present): Depth (inches): Hydremarks: Hydremarks:	vetland hydrology must be present. inless disturbed or problematic.
estrictive Layer (if present): Type Depth (inches): emarks:	V
Type Depth (inches): Hydremarks:	ric Soil Present? Yes <u>*******</u> No
Depth (inches): Hydremarks:	ric Soil Present? Yes X No
emarks:	ric Soil Present? Yes 🗶 No
DROLOGY	
tland Hydrology Indicators:	
many Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1) Salt Crust (B11)	
High Water Table (A2) Biotic Crust (B12)	Water Marks (B1) (Riverine)
Saturation (A3) Aquatic Invertebrates (B13)	Sediment Deposits (B2) (Riverine)
Water Marke (P1) (Negrinalia)	Drift Deposits (B3) (Riverine)
Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	X Drainage Patterns (B10)
	Dry-Season Water Table (C2)
	Crayfish Burrows (C8)
leved dies Viele - A	Saturation Visible on Aerial Imagery (C
	Shallow Aquitard (D3)
Water-Stained Leaves (89) Other (Explain in Remarks)	FAC-Neutral Test (D5)
face Water Present? Yes No K Depth (inches)	
tter Table Present? Yes No Depth (inches)	
furation Present? Yes No Depth (inches Wetland Hyde	rology Present? Yes X No
scribe Recorded Data (stream gauge immittering well laerial photos previous inspections) if available	
THE PARTY OF THE P	

Project/Site Shire TL 637/ Pro 4	City/County Roury	once I. San Niew Sampling Date 7/11/11
Applicant/Owner SSSSE		State: CA Sampling Point: WL3-P
Investigator(s): N. Cervin, M. Mazo	Section Township R	dance:
		convex. none): Concave Slope (%): 10'
Subregion (LRR)	1at: 33.066402	Long _116.73352 1 Datum: NA NA
Soil Man Unit Name Holle and Eine Condu		Cong Datum: NA DE
Soil Map Unit Name: Holland Fine Sandy	LOXUM IV	NVVI classification:
Are climatic / hydrologic conditions on the site typical for the		
Are Vegetation X Scil X or Hydrology		"Normal Circumstances" present? Yes X No
Are Vegetation Soil or Hydrology	naturally problematic? (If r	needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing sampling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X	No.	
Hydric Soil Present? Yes X	is the Sample	
Wetland Hydrology Present? Yes X	No within a Wetla	nd? Yes No
Remarks: AREA MARIO AD DECAMED.	Pails Six Compacte	d by ungulated. Plants distint
By grazing, trampeling and	i non-native 8	peries.
21 fraging thempseung and	1 11011 1141.000 9	
VECETATION Has a significant of the		
VEGETATION – Use scientific names of plan		
Tree Stratum (Plot size 10'x \$10')	Absolute Dominant Indicator <u>% Cover Species? Status</u>	Dominance Test worksheet:
1 None		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		
3		Total Number of Dominant Species Across All Strata: (B)
4		
2/4/15	O' 1. = Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC
Sapling/Shrub Stratum (Plot size: 10'X 10')		
1. None		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species $x 1 = 1$ FACW species $x 2 = 4$
4		
•	O' [. = Total Cover	FAC species $x3 = $ FACU species 180 $x4 = 72$
Herb Stratum (Plot size 10'x10')		
1 Lotus Pursnianus	35% yes -	UPL species $x = 5$ = Column Totals $A = 5$ (B)
2 Vulpia mylloo	15% N FACU	
3 Juneus Mekicanus	11. N FACW	Prevalence Index = B/A = 3. Lo
4 Eleochario macrastachya	11. N CBL	Hydrophytic Vegetation Indicators:
5 Hemizonia Fasciculata	35% yes -	Dominance Test is >50%
6 Juneus du bious	11. N FACW	Prevalence Index is ≤3.0'
1 Bromus horden ceus	31. N FACU	Morphological Adaptations' (Provide supporting
8		data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size 10/x10")	Total Cover	✓ Problematic Hydrophytic Vegetation' (Explain)
1 None		'Indicators of audio and and automatical budgets
2		Indicators of nydric soil and welland, hydrology must be present, unless disturbed or problematic.
•	0 % = Total Cover	
9		Hydrophytic Vegetation
	of Biotic Crust	Present? Yes X No
Remarks Afea vicently grazed. El	sidence of grazin	Were observed near
Soil Pit Site. AReus Adiacen	t to Spil Pit SI	to Sho had higher percent

Uepth Matrix (inches) Color (moist) %	Redox	Features		<u> </u>	
	54R 5/L	NO RM	Loc.	Sandy	Remarks Loam
Type: C=Concentration, D=Depletion, RN ydric Soil Indicators: (Applicable to at Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11)	M=Reduced Matrix. CS=0 II LRRs, unless otherwi	se noted.) (S5) ((S6) Mineral (F1) Matrix (F2) x (F3) urface (F6)	d Sand Gra	Indicators 1 cm M 2 cm M Reduc Red Pa	cation: PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ : vluck (A9) (LRR C) vluck (A10) (LRR B) ed Vertic (F18) arent Material (TF2) (Explain in Remarks)
_ Thick Dark Surface (A12) _ Sandy Mucky Mineral (S1) _ Sandy Gleyed Matrix (S4) estrictive Layer (if present):	Redox Depress Vernal Pools (F	sions (F8)		welland I	of hydrophytic vegetation and hydrology must be present sturbed or problematic.
Type:				And State of the	2000 7004 - 10 -
Depth (inches)				Hydric Soil	Present? Yes X No
Depth (inches)emarks:				Hydric Soil	Present? Yes X No
Depth (inches). emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one require). Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Water-Stained Leaves (B9)	Salt Crust (B1 Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo X Presence of Re	12) ebrates (B13) ide Odor (C1) ospheres along Li educed Iron (C4) eduction in Tilled S face (C7)	ving Roots	Second	dary Indicators (2 or more required) ater Marks (B1) (Riverine) adiment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8)
Depth (inches). emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one require). Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B) Water-Stained Leaves (B9) eld Observations: rface Water Present? Yes iter Table Present? Yes iter Table Present?	Salt Crust (B1 Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo X Presence of Re Recent Iron Re Thin Muck Sur Other (Explain No X Depth (inches No X Depth (inches	abrates (B13) ide Odor (C1) ospheres along Li educed Iron (C4) eduction in Tilled S face (C7) in Remarks)	ving Roots (Soils (C6)	Second With Se Dri Dri Cri Sa Sh FA	dary Indicators (2 or more required) ater Marks (B1) (Riverine) idiment Deposits (B2) (Riverine) ift Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (CS allow Aquitard (D3)

Project/Site: SAME TL 637 / PIC	4 City/County Ray	sonal San Diego Sampling Date 7/11/11
ApplicanuOwner SDGE		State: A Sampling Point: WL3-P2
Investigator(s): N. Cervin, M. mazon	Section Township R	lange
Landform (hillstope, terrace, etc.): Valley	Local relief (concave	convex. none): Concave Slope (%) 51.
Subregion (LRR)	Lat: 33.048248	Long -116.732.788 Datum: NAD8
Soil Map Unit Name: Holland Fine Sar	dy Loan	NWI classification. NODE
Are climatic / hydrologic conditions on the site typical for th	is time of year? Yes X No	(If no, explain in Remarks)
Are Vegetation \underline{X} Soil \underline{X} , or Hydrology $\underline{\hspace{1cm}}$		"Normal Circumstances" present? Yes X No
Are Vegelation Soil or Hydrology		needed, explain any answers in Remarks)
		locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: ARea gnazed for Decacles. Disturbed by grazing / Tram p. Soe Cies.	Joils Compacted	by wroughts prostation
VEGETATION – Use scientific names of plan		
Tree Stratum (Plot size: 10' × 10')	Absolute Dominant Indicator <u>% Cover Species? Status</u>	Dominance Test worksheet:
1.		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant
3		Species Across All Strata: (B)
Sapling/Shrub Stratum (Plot size: \D'X\D') 1	O'la = Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC (A/B) Prevalence Index worksheet:
2.		Total % Cover of: Multiply by:
3		OBL species
4		FACW species x 2 = 1 2
5		FAC species x 3 =
Herb Stratum (Plot size ID'XID'	= Total Cover	FACU species x 4 = UPL species x 5 =
1 Juneus Mexicanus	51. N FACW	Column Totals 52 (A) 183 (B)
2 Eleochanio macrostachyo		
3 Vulpia mymous	401. yes FACU	Prevalence Index = B/A = 3.5
4 Clarkin purpuseo	111 00 -	Hydrophytic Vegetation Indicators:
5 Rumex Crispus	III N FACE	Dominance Test is >50%
6 chactura Servida	11 N FAC	Prevalence Index is ≤3.0'
7 Hirshfeldia Incana 8 Essemplanus Setigenus	11, N -	Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size 10'X 10')	51, N 597 = Total Cover	∠X Problematic Hydrophytic Vegetation (Explain)
1		Indicators of nydric soil and wetland hydrology must
2		be present, unless disturbed or problematic
	O'l. = Total Cover of Biotic Crust	Hydrophytic Vegetation Present? Yes X No
Remarks ARea recently grazed. Evil	dence of grazing w	us observed all area. Aleas Adjacen

COL	•

Sampling Point WL3-PT

Depth Matrix	pth needed to document Redox Fea				
(inches) Color (moist) %	Color (moist)		Loc	Texture	Remarks
<u>a 1042°12 90</u>	54R5/6 10		m	Sand	
			_		
Type: C=Concentration. D=Depletion. RM	=Reduced Matrix, CS=Cove	ered or Coate	d Sand Gra	ains ² Loca	tion. PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicable to all	LRRs, unless otherwise i	noted.)			or Problematic Hydric Soils ³ ;
_ Histosol (A1)	Sandy Redox (S5)				ck (A9) (LRR C)
_ Histic Epipedon (A2)	Stripped Matrix (S	6)			ck (A10) (LRR B)
_ Black Histic (A3)	Loamy Mucky Min				Vertic (F18)
_ Hydrogen Sulfide (A4)	Loamy Gleyed Ma			Red Pare	ent Material (TF2)
Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D)	Depleted Matrix (F			Other (E:	xplain in Remarks)
Depleted Below Dark Surface (A11)	X Redox Dark Surface Depleted Dark Surface				
Thick Dark Surface (A12)	Redox Depression			31-41-4	
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	s (ro)		Indicators of	hydrophytic vegetation and
Sandy Gleyed Matrix (S4)	(5)				drology must be present. urbed or problematic.
estrictive Layer (if present):				U111C33 U13(sived or problematic.
Туре					
Depth (inches)	_			Hydric Soil Pr	esent? Yes X No
Depth (inches)				Hydric Soil Pr	esent? Yes <u>X</u> No
Depth (inches)emarks:				Hydric Soil Pr	esent? Yes <u>X</u> No
Depth (inches)emarks: DROLOGY				Hydric Soil Pr	esent? Yes <u>X</u> No
Depth (inches) emarks: DROLOGY etland Hydrology Indicators:	check all that apply)				
Depth (inches) emarks: DROLOGY etland Hydrology Indicators:				Seconda	ry Indicators (2 or more required)
Depth (inches) emarks: DROLOGY etland Hydrology Indicators: many Indicators (minimum of one required	Salt Crust (B11)			<u>Seconda</u> Wate	ry Indicators (2 or more required) er Marks (B1) (Riverine)
Depth (inches). pmarks: DROLOGY atland Hydrology Indicators: mary Indicators (minimum of one required). Surface Water (A1)	Salt Crust (B11) Biotic Crust (B12)	tes (813)		Seconda Wate Sedi	ry Indicators (2 or more required) er Marks (B1) (Riverine) ment Deposits (B2) (Riverine)
DROLOGY atland Hydrology Indicators: many Indicators (minimum of one required) Surface Water (A1) High Water Table (A2)	Salt Crust (B11)Biolic Crust (B12)Aquatic Invertebra			Seconda Wate Sedi Drift	ry Indicators (2 or more required) er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine)
DROLOGY atland Hydrology Indicators: mary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3)	Salt Crust (B11) Biolic Crust (B12) Aquatic Invertebra Hydrogen Sulfide (Odor (C1)	yıng Roots	Seconda Wate Sedi Drift Drain	ry Indicators (2 or more required) er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10)
Depth (inches). DROLOGY atland Hydrology Indicators: many Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	Salt Crust (B11) Biolic Crust (B12) Aquatic Invertebra Hydrogen Sulfide (Cxidized Rhizosph	Odor (C1) eres along Li	ving Roots	Seconda Wate Sedi Drift Drair (C3, Dry-5	ry Indicators (2 or more required) er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2)
DROLOGY atland Hydrology Indicators: mary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide (Oxidized Rhizosph	Odor (C1) teres along Li ced Iron (C4)		Seconda Wate Sedi Drift Drain (C3, Dry-5	ry Indicators (2 or more required) er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8)
DROLOGY atland Hydrology Indicators: mary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide (Cxidized Rhizosph Resence of Reduction	Odor (C1) teres along Li ted Iron (C4) tion in Tilled (Seconda Wate Sedi Drift Drair (C3) Cray Satur	ry Indicators (2 or more required) er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8)
DROLOGY Atland Hydrology Indicators: Mary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide (Cxidized Rhizosph X Presence of Reduction	Odor (C1) teres along Li ted Iron (C4) tion in Tilled ((C7)		Seconda Wate Sedi Drift Drair (C3) Cray Satur Shall	ry Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS) ow Aquitard (D3)
DROLOGY atland Hydrology Indicators: many Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide (Cxidized Rhizosph Resence of Reduction	Odor (C1) teres along Li ted Iron (C4) tion in Tilled ((C7)		Seconda Wate Sedi Drift Drair (C3) Cray Satur Shall	ry Indicators (2 or more required) er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS
Depth (inches). DROLOGY atland Hydrology Indicators: imary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial !magery (B7) Water-Stained Leaves (B9)	Salt Crust (B11) Biolic Crust (B12) Aquatic Invertebra Hydrogen Sulfide (Cxidized Rhizosph X Presence of Reduce Recent Iron Reduce Thin Muck Surface Other (Explain in Reduce)	Odor (C1) heres along Li hed Iron (C4) httion in Tilled (C7) hemarks)		Seconda Wate Sedi Drift Drair (C3) Cray Satur Shall	ry Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ow Aquitard (D3)
Depth (inches)emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) (Nonriverine) _ Sediment Deposits (B2) (Nonriverine) _ Drift Deposits (B3) (Nonriverine) _ Surface Soil Cracks (B6) _ Inundation Visible on Aerial Imagery (B7 _ Water-Stained Leaves (B9) eld Observations: rface Water Present? Yes No	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide (Oxidized Rhizosph X Presence of Reduct Recent Iron Reduct Thin Muck Surface Other (Explain in Reduct) Depth (inches)	Odor (C1) teres along Li ted Iron (C4) tion in Tilled (C7) temarks)		Seconda Wate Sedi Drift Drair (C3) Cray Satur Shall	ry Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9)
Depth (inches). emarks: DROLOGY [etland Hydrology Indicators: imany Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) ald Observations: Inface Water Present? Ves Notes and Present? Yes Notes Table Present? Yes N	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide (Cxidized Rhizosph X Presence of Reduct Recent Iron Reduct Thin Muck Surface Other (Explain in Reduct) Depth (inches) Depth (inches)	Odor (C1) eeres along Li ced Iron (C4) tion in Tilled 5 (C7) lemarks)	Soils (C6)	Seconda Wate Sedi Drift Drair Cray Satur Shall FAC-	ry Indicators (2 or more required) or Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ow Aquitard (D3)
Depth (inches). DROLOGY atland Hydrology Indicators: imary Indicators (minimum of one required) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Ind Observations: Ifface Water Present? Yes Notes Table Present? Water Table Present? Yes Notes Table Present? Water Table Present? Yes Notes Table Present?	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide (Cxidized Rhizosph X Presence of Reduct Recent Iron Reduct Thin Muck Surface Other (Explain in Reduct) Depth (inches) Depth (inches)	Odor (C1) eeres along Li ced Iron (C4) tion in Tilled 5 (C7) lemarks)	Soils (C6)	Seconda Wate Sedi Drift Drair Cray Satur Shall FAC-	ry Indicators (2 or more required) er Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ow Aquitard (D3) Neutral Test (D5)

Toposonic Sporto I F GOTT	T City	County Ramona I. an Diego Sampling Date 7/1111
Applicant/Owner: ShinE		State: CA Sampling Point: WL3-P3
Investigator(s): N. Censin, M. Mazon	Sec	ion Township Range
Landform (hillslope terrace etc.). Volley	Loc	al relief (concave convex. none): <u>ConCaU.e</u> Slope (%): <u>5</u> *
Subregion (LRR):	Lat: _:33.	048339 Long -116, 732806 Datum NADS
Soil Map Unit Name. Holland Fine &	landu Lo	NWI classification. NONE
Are climatic / hydrologic conditions on the site typical for t	his time of year?	Yes X No (If no explain in Remarks)
Are Vegelation X Soil X or Hydrology		
Are Vegetation Soil or Hydrology		
		npling point locations, transects, important features, etc
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes		Is the Sampled Area
Wetland Hydrology Present? Yes		within a Wetland? Yes No _X
Remarks: Alea goard for Ascade	Paire Com	pacted by unqueater. Vegetation distur
By grazing / Trampering and co		or by 11011-110-11ve species.
A STATE OF THE STA		ninant Indicator Dominance Test worksheet:
Tree Stratum (Plot size 10' x 10')	% Cover Spe	
1		That Are OBL, FACW, or FAC: (A)
		Total Number of Dominant
3		Species Across All Strata: (B)
Sapling/Shrub Stratum (Plot size: 10 x 10)	<u>O'I.</u> = To	Percent of Dominant Species That Are OBL. FACW, or FAC (A/B)
1		Prevalence Index worksheet:
2.		Total % Cover of: Multiply by:
3		OBL species x 1 =
		FACW species x 2 = 4
		FAC species x 3 =3
Herb Stratum (Plot size 10' X 10')	_0'1, = To	
Clarkia Pinpinea	251. it	UPL species x 5 =
Vulpia my mose		Column Totals: 13 (A) 47 (B)
lactura Serriola.		O FAC Prevalence Index = 8/A = 3.6
Bromus Hondeacions		DO FACU Hydrophytic Vegetation Indicators:
Einemo Carpus Setimenus	301, 4	
Juneus mexicanus	11. N	D FACW Prevalence Index is \$3.0'
Rumex Crispus	11. N	FACW Morphological Adaptations' (Provide supporting
		data in Remarks or on a separate sheet)
Vocdy Vine Stratum (Plot size 10 x 10)	<u>68</u> = Tot	al Cover Problematic Hydrophytic Vegetation (Explain)
		Indicators of nydric soil and wetland hydrology must
		be present, unless disturbed or problematic
	0'1. = Tot	ai Cover Hydrophytic
		Vegetation

Depth Matrix Redox Features finches Color (moist) % Type Loc 12 10 YR 3/3 100	
17 10 40 3/2 100	- 1 4.2.2
	0
	Landy loam.
ype: C=Concentration, D=Depletion RM=Reduced Matrix, CS=Covered or Coated Sand	I Grains ² Location: PL=Pore Lining, M=Malrix
dric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ¹ :
Histosol (A1) Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Histic Epipedon (A2) Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3) Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C) Depleted Matrix (F3)	Other (Explain in Remarks)
1 cm Muck (A9) (LRR D) Redox Dark Surface (F6)	
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)	
Thick Dark Surface (A12) Redox Depressions (F8)	3Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Vernal Pools (F9)	wetland hydrology must be present.
Sandy Gleyed Matrix (S4)	unless disturbed or problematic.
strictive Layer (if present):	
Type:	
Depth (inches): emarks. No Eurobance of hydric Soils	Hydric Soil Present? Yes No X
DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one required check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Mydrogen Sulfide Odor (C1) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one required check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Rol Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C1) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
DROLOGY tland Hydrology Indicators: mary Indicators (minimum of one required: check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Rol Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
DROLOGY Interpretation of the required check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Rologific Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C4) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks) Ind Observations:	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
DROLOGY Interpretation of the property of the	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one required: check all that apply) Surface Water (A1)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3) FAC-Neutral Test (D5)
DROLOGY atland Hydrology Indicators: mary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Id Observations: face Water Present? Yes NoO Depth (inches) Leaves (Marks (Ba) (Monches) Depth (inches)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) oots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site: SDOE TL 637 / P10	4 City/0	County Ram	onal Sandiego Sampli	ng Date <u>7111111</u>
ApplicanuOwner SDGe			State: CA Sampli	ng Point: WL3-PL
Investigator(s): N. Cenin M. Mason	Secti	on Township Ra	ange:	
Landform (hillstope terrace etc.). Vouley	Loca	I relief (concave	convex none): Convox	Sloce (%): 51.
Subregion (LRR)	lat: 33.1	POERVO	Long - 114. 732770	COMALA muta
Scil Map Unit Name. Holland Fin La	rdy Loan	n.	NWI classification:	none
Are climatic / hydrologic conditions on the site typical for t				
Are Vegetation X Soil X or Hydrology			"Normal Circumstances" present?	
Are Vegetation Soil or Hydrology			eeded, explain any answers in Rer	
SUMMARY OF FINDINGS - Attach site ma				
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: AREA GRAZID for Decadus. 15 Clistus bed from grazing / Plant Possies	No <u>X</u> on		nd? Yes No	
18 Clistus bed from grazing) Plant Species.	tram peli	ng and i	Competition from	non-native
VEGETATION – Use scientific names of pla	nts.			
Tree Stratum (Plot size 10 1 X) 0'		inant Indicator	Dominance Test worksheet:	
1	% Cover Spec	cies / Status	Number of Dominant Species That Are OBL, FACW, or FAC:	O (A)
2			That Als Obc, PACVV, of PAC.	(A)
3			Total Number of Dominant Species Across All Strata:	
4				(6)
Sapling/Shrub Stratum (Plot size: 10 x 10)	<u>0'1,</u> = Tot	al Cover	Percent of Dominant Species That Are OBL, FACW, or FAC	(A/B)
1			Prevalence Index worksheet:	
2			Total % Cover of:	
3			OBL species x	1 =
4			FACW species x	
5			FAC species x	The second secon
Herb Stratum (Plot size 10' x 10'	<u>O'I.</u> = Tota	al Cover	FACU species x	
1 Clarkia Purpusea	51. NO	_	UPL species x	5 =
	50% ye		Column Totals: 65 (A) <u>260</u> (B)
	10'1. n		Prevalence Index = B/A =	4
4 Hirsofeldia incana	51. n		Hydrophytic Vegetation Indica	
5 Emerocanpun) Seticores	5'1, no		Dominance Test is >50%	
6 Hemizonia Fasciculata			Prevalence Index is ≤3.0	
7 Hordeum Murinum	5.1. NO		Morphological Adaptations	(Provide supporting
8			data in Remarks or on a	separate sheet)
Woody Vine Stratum (Plot size D'XID')	1 00' (. = Tota	l Cover	Problematic Hydrophytic Vec	
12			Indicators of nydric soil and wetl be present, unless disturbed or p	
	0'1, = Tota	i Cover	Hydrophytic	
% Bare Ground in Herb Stratum % Cove	r of Biotic Crust	0	Vegetation Present? Yes	
Remarks Although Area is disti and M. Wetland historica:	in bed, Th	ere is no	> Evidence of hydr	ic Soils

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	()	ı	
•	v		_

Depth Matrix	th needed to document the indicator or o	
finchesi Color (moist) %	Cata	Loc Texture Pemarks
12 10 1R 3/3 100		Sandyloan
ype: C=Concentration, D=Depletion, RM=	Reduced Matrix, CS=Covered or Coated Sa	2 oction DI - David
ydric Soil Indicators: (Applicable to all L	.RRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
_ Histosol (A1)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
_ Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
_ Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D)	Depleted Matrix (F3)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Redox Dark Surface (F6)	
Thick Dark Surface (A12)	Depleted Dark Surface (F7)	
Sandy Mucky Mineral (S1)	Redox Depressions (F8) Vernal Pools (F9)	³ Indicators of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)	verrial Pools (F9)	welland hydrology must be present unless disturbed or problematic.
		Liftless disturbed or problematic
estrictive Layer (if present):	4)	aniess distanced of problematic.
estrictive Layer (if present): Type:		distances of prodictinatio.
Type:	dric Soils	Hydric Soil Present? Yes NoX
Type:	dric Soils	
Type:	dric Soils	
Depth (inches). Depth (inches). Demarks: No Evictence of Hy DROLOGY atland Hydrology Indicators:		
Depth (inches). Depth (inches). Depth (inches). DROLOGY DROLOG		Hydric Soil Present? Yes NoX
Depth (inches). Depth (inches). DROLOGY DROLOGY Datand Hydrology Indicators: mary Indicators (minimum of one required: of the control of		Hydric Soil Present? Yes No X
DROLOGY Interpretation of the property of the	check all that apply)	Hydric Soil Present? Yes NoX Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Depth (inches). Depth (inches). DROLOGY Stand Hydrology Indicators: mary Indicators (minimum of one required: of Surface Water (A1) High Water Table (A2) Saturation (A3)	check all that apply) Salt Crust (B11)	Hydric Soil Present? Yes NoX Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (inches). Depth (inches). DROLOGY Intland Hydrology Indicators: mary Indicators (minimum of one required: of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	check all that apply) Salt Crust (B11) Biotic Crust (B12)	Hydric Soil Present? Yes NoX Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one required: of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	Check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Hydric Soil Present? Yes NoX Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)
DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one required: of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	Check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Hydric Soil Present? Yes NoX Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2)
DROLOGY Stland Hydrology Indicators: mary Indicators (minimum of one required: of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Cxidized Rhizospheres along Living	Hydric Soil Present? Yes NoX Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one required: of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4)	Hydric Soil Present? Yes NoX Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3, Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C
DROLOGY Itland Hydrology Indicators: mary Indicators (minimum of one required: of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils	Hydric Soil Present? Yes NoX Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3, Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
DROLOGY Intervention (A) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Ind Observations:	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Hydric Soil Present? Yes NoX Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3, Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Depth (inches) marks: No Evictorize of Hydronarks: No Evictorize of Hydronarks: No Evictorize of Hydronarks: mary Indicators (minimum of one required: of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Id Observations: face Water Present? Yes No	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Hydric Soil Present? Yes NoX Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3, Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
Depth (inches)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
Depth (inches)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches) Depth (inches)	Secondary Indicators (2 or more required)
Depth (inches)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches) Depth (inches)	Secondary Indicators (2 or more required)

Project/Site SDGE TL 6371 P	JOT city/C	cunty <u>Ram</u>	pnal can diego Sampling Date 7/12/1
ApplicanuOwner SDGE			State CA Sampling Point: (1) 4-6
Investigator(s): N. Cenin, M. Maza	Sectio	n Township Ra	ange
Landform (hillslope, terrace etc.). Valley	Local	relief (concave	convex none: (Dindard. Sloce (%) 5
Subregion (LRR)	Lat: 33.05	51849	Long - 1/6. 728879 Datum: NAD
Soil Map Unit Name Loany Allwice	iand		NWI classification: None
Are climatic / hydrologic conditions on the site typical fo			
Are Vegetation X Soil X or Hydrology		-	"Normal Circumstances" present? Yes No
Are Vegetation Soil or Hydrology			eeded, explain any answers in Remarks)
		100	ocations, transects, important features, et
Hydrophytic Vegetation Present? Yes X Hydric Soil Present? Yes X		ls the Sampled	1 Area
	No	within a Wetla	nd? Yes X No
Remarks: AREA Clisturbed by gra			
EGETATION – Use scientific names of p	lants.		
Tree Stratum (Plot size D'K(D')	Absolute Domin		Dominance Test worksheet:
	% Cover Speci		Number of Dominant Species
2	10 10 Ge	3	That Are OBL, FACW. or FAC: (A)
			Total Number of Dominant
4			Species Across All Strata: (B)
Sapling/Shrub Stratum (Plot size IOX \D')	10'/, = Tota	l Cover	Percent of Dominant Species That Are OBL, FACW, or FAC (A/B
1 hone			Prevalence Index worksheet:
2.			Total % Cover of: Multiply by:
			OBL species $\frac{25}{35} \times 1 = \frac{25}{35}$
			FACW species $71 \times 2 = 142$
			FACUL assists x 3 =
ferb Stratum (Plot size IOX IO)	= 10tal	Cover	FACU species x 4 = UPL species x 5 =
Juncus Chhiques	401, yes	EACW)	FACU species x 4 =
Rumer Crispus	11. N	FACW	1 7
Juncus mexicanows)	301301- 40	S. FACW	Prevalence Index = B/A = 1. +
Calandrinia Ciliata	_ 11, N		Hydrophytic Vegetation Indicators:
Eleocharis Marrostachy	10 25% N	DPT	X Dominance Test is >50%
			X Prevalence Index is ≤3.0'
			Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)
locdy Vine Stratum (Plot size D x 10)	97% = Total	Cover	Problematic Hydrophytic Vegetation (Explain)
Mone			Indicators of nydric soil and wetland hydrology must be present, unless disturbed or problematic
	0.1		
6 Bare Ground in Herb Stratum 31. % Co	ver of Biotic Crust	1967	Hydrophytic Vegetation Present? Yes No
Remarks	4 11 44		

linches!	Color (moist)	3/2	Color (moist)	Features %	Tyce	1 4 4 5	1423.00
	io Yra/2	90	1,5 YR518		^	Loc	Pemarks Pemarks
		_					Sandyloam
Type: C=Co	ncentration. D=Depl	etion, RM=F	Reduced Matrix, CS=	Covered or	. Coated	- Sand Car	ning 3
yanc son n	idicators: (Applica	ble to all Li	RRs, unless otherw	ise noted.)	Janu Gra	Indicators for Problematic Hydric Soils ¹ :
_ Histosol (A1)		Sandy Redox				1 cm Muck (A9) (LRR C)
	pedon (A2)		Stripped Matri				2 cm Muck (A10) (LRR B)
_ Black Hist	Sulfide (A4)		Loamy Mucky	Mineral (F	1)		Reduced Vertic (F18)
	ayers (A5) (LRR C		Loamy Gleyed		2)		Red Parent Material (TF2)
_ 1 cm Muci _ Depleted t	k (A9) (LRR D) Below Dark Surface		Depleted Matr Redox Dark Si Depleted Dark	urface (F6)	- -7)		Other (Explain in Remarks)
_ Thick Dark	Surface (A12)		Redox Depres	sions (F8)			³ Indicators of hydrophytic vegetation and
Sandy Mu	cky Mineral (S1)		Vernal Pools (I				welland hydrology must be present
	yed Matrix (S4) yer (if present):						unless disturbed or problematic.
SUICTIVE LA	yer (if present):						
Type							
Type:	ae)		_				
Depth (inch	es):						Hydric Soil Present? Yes X No
Depth (inchesemarks: DROLOGY etland Hydro imary Indicate Surface Water High Water Saturation (Water Mark Sediment D Drift Deposi Surface Soi Inundation (f logy Indicators: ors (minimum of one lter (A1) Table (A2)	e) verine) e)	Salt Crust (B1 Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Re Recent Iron Re Thin Muck Sun	ebrates (B1 ide Odor (Cospheres al educed Iron eduction in face (C7)	C1) long Livi n (C4) Tilled So		Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
DROLOGY atland Hydro many Indicate Surface Water Mark Sediment D Drift Deposit Surface Soi Inundation N Water-Stain d Observati	ology Indicators: ors /minimum of one ster (A1) Table (A2) A3) s (B1) (Nonriverine eposits (B2) (Nonriverine ts (B3) (Nonriverine I Cracks (B6) /isible on Aerial Ima ed Leaves (B9) ons:	e) verine) e)	Salt Crust (B1 Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo X Presence of Re Recent Iron Re	ebrates (B1 ide Odor (Cospheres al educed Iron eduction in face (C7)	C1) long Livi n (C4) Tilled So		Hydric Soil Present? Yes No Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C5)
DROLOG atland Hydro mary Indicate Surface Water Saturation (Water Mark Sediment D Drift Deposi Surface Soi Inundation (Water-Stain Id Observati face Water P	logy Indicators: ors /minimum of one oter (A1) Table (A2) A3) s (B1) (Nonriverine eposits (B2) (Nonriverine ts (B3) (Nonriverine I Cracks (B6) /isible on Aerial Ima ed Leaves (B9) ons: resent? Yes	yerine) e) gery (B7)	Salt Crust (B1 Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo X Presence of Re Recent Iron Re Thin Muck Sun Other (Explain	ebrates (B1) ide Odor (Cospheres al educed Iron eduction in face (C7) in Remarks	C1) long Livi n (C4) Tilled So s)		Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
DROLOG' atland Hydro mary Indicate Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi Surface Soi Inundation (Water-Stain Id Observati face Water Pre	Ilogy Indicators: ors (minimum of one) ster (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) ts (B3) (Nonriverine) I Cracks (B6) visible on Aerial Imaled Leaves (B9) ons: resent? Yes sent? Yes	e) verine) e) gery (B7) No No	Salt Crust (B1 Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo X Presence of Re Recent Iron Re Thin Muck Sun Other (Explain X Depth (inches	ebrates (B1 ide Odor (Cospheres al educed Iron eduction in face (C7) in Remarks	C1) long Livi n (C4) Tilled So		Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
Depth (inche emarks: DROLOGY etland Hydro imary Indicate Surface Water Saturation (Water Mark Sediment D Drift Deposi Surface Soi Inundation (Water-Stain Id Observati face Water P ter Table Pre- uration Prese Indes cacillar	logy Indicators: ors /minimum of one oter (A1) Table (A2) A3) s (B1) (Nonriverine eposits (B2) (Nonriverine ts (B3) (Nonriverine Cracks (B6) //sible on Aerial Ima ed Leaves (B9) ons: resent? Yes sent? Yes ot? Yes	e) verine) e) gery (B7) No No	Salt Crust (B1 Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo X Presence of Re Recent Iron Re Thin Muck Sun Other (Explain	ebrates (B1) ide Odor (Cospheres al educed Iron eduction in face (C7) in Remarks	C1) long Livi n (C4) Tilled So	Wetland	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

ApplicanuOwner: Shore Investigator(s): N. (en), n. maya mu Landform (hillslope terrace etc.). Valley Subregion (LRR): Dany Alluvia	2301 Sec Loc Lat: _33,6	ition Township Racal relief (concave	convex none) Concave Slope (%) 51
Investigator(s): N. (en), n. maya mu Landform (hillslope terrace etc.). Valley Subregion (LRR): D Soil Map Unit Name. Loany Alluvia	1301 Sec Loc Lat: _33,6	tion Township Ra cal relief (concave DS 205 lo	convex none): <u>Contave</u> Slope (%) <u>51</u>
Subregion (LRR):	Loc Lat: <u>33,</u> 6 [[land	al relief (concave	convex none) Concave Slope (%) 51
Soil Map Unit Name. Loany Alluvia	eland	02 9 02 C	Clope (10)
Scil Map Unit Name. Loany Alluvia	ecland		Long -116.729019 Datum: NAD&
- Autoria	this time of an O		MIAN classification: VON2
Are climatic / hydrologic conditions on the site typical for		Vac X Na	//f no explain in Remodule
Are Vegelation X Soil X or Hydrology			
Are Vegetation Soil or Hydrology			*Normal Circumstances* present? Yes No
			eeded, explain any answers in Remarks)
Command of Findings - Attach site ma	p snowing sai	mpling point I	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Aka bisturbed by grazing	No	Is the Sampled within a Wetlan	
VEGETATION – Use scientific names of pla	nts.		
Tree Stratum (Plot size D'x1D')	Absolute Dor % Cover Spe	minant Indicator	Dominance Test worksheet:
1. None	N COVEL SDE	cies: Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2			
3			Total Number of Dominant Species Across All Strata: (B)
4			
Sapling/Shrub Stratum (Plot size: D'X D')	$0'I_{,} = To$	otal Cover	Percent of Dominant Species That Are OBL. FACW. or FAC 1001. (A/B)
1 None			Prevalence Index worksheet:
2			Total % Cover of: Multiply by:
3			OBL species1 '/, x 1 =
4			FACW species 91'1, x 2 = 182
5			FAC species x 3 =
Herb Stratum (Plot size D'x 1D')	_6.1. = To	tal Cover	FACU species x 4 =
1 Colium Muetiflorum	11. K	00 -	UPL species x 5 =
2 Juneus Dubious		O FACE	Column Totals: 92 (A) 183 (B)
3 Calandrinia Ciliata		20	Prevalence Index = B/A = 1, 9
4 Ambrasia acanthicarpa		X0 —	Hydrophytic Vegetation Indicators:
5 Hemizonia fapciculata		00 —	X Dominance Test is >50%
6 Heliotropium Curagovicium		O OBL	X Prevalence Index is ≤3 0°
7 Distichlis Spicata	0	N FACW	Morphological Adaptations' (Provide supporting
3		17.00	data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size 10 × 10)	961.= Tot	tal Cover	Problematic Hydrophytic Vegetation* (Explain)
none			Indicators of hydric soil and wetland hydrology must
2			be present, unless disturbed or problematic.
% Sare Ground in Herb Stratum % Cove	o'[. = Tot	ai Cover	Hydrophytic Vegetation Present? Yes X No
Remarks			•

Depth	14					or confir	m the absence of indicators.)	
(inches) Calar (maist) %			Redo Color : moist)	x Feature		4		
1	IDYR 2/2	95	2.54R5/8		Tyce		Pemarks Pemarks	
	IDIK 12	- 15	<u>801K98</u>	5_	<u>Rm</u>	<u>m</u>	Sendy Joan	
				_				
Type: C=C	oncentration. D=Dep	letion RM=	Reduced Matrix, CS		d or Coated	I Sand G		
Histosol	Indicators: (Application	able to all L			ed.)		Indicators for Problematic Hydric Soils	
	(A1) Dipedon (A2)		Sandy Redox				1 cm Muck (A9) (LRR C)	
HISTIC EP			Stripped Mat				2 cm Muck (A10) (LRR B)	
	n Sulfide (A4)		Loamy Muck				Reduced Vertic (F18)	
	Layers (A5) (LRR C	•	Loamy Gleye		(F2)		Red Parent Material (TF2)	
	ck (A9) (LRR D)	•1	Depleted Mai	rix (F3)			Other (Explain in Remarks)	
Depleted	Below Dark Surface	(Δ11)	X Redox Dark S	Surface (I	F6)			
Thick Da	rk Surface (A12)	(ALI)	Depleted Dar Redox Depre				Y	
	ucky Mineral (S1)		Vernal Pools		8)		Indicators of hydrophytic vegetation and	
	leyed Matrix (S4)		Veinal Pools	(F9)			wetland hydrology must be present	
	ayer (if present):						unless disturbed or problematic.	
	ayo. (ii prosenty.							
			-					
Depth (inc	nes):		_				Hydric Soil Present? Yes X No	
imary Indica Surface W High Wate Saturation Water Ma	rology Indicators: ators (minimum of one Vater (A1) er Table (A2) n (A3) rks (B1) (Nonriverin	e)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su	B12) tebrates Ifide Odo	r(C1)		Secondary Indicators (2 or more requir Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10)	
etland Hydica imary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Surface Si Inundation	rology Indicators: ators (minimum of one Vater (A1) er Table (A2) n (A3) rks (B1) (Nonriverin Deposits (B2) (Nonriverin sits (B3) (Nonriverir oil Cracks (B6) n Visible on Aerial Im.	e) iverine) ne)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Cxidized Rhiz Presence of F Recent Iron F	B12) tebrates Ifide Odo zosphere Reduced Reduction Ifface (C	or (C1) s along Liv Iron (C4) n in Tilled S 7)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)	
etland Hydica Surface V High Wate Saturation Water Ma Sediment Drift Depo Surface Si Inundation Water-Sta	rology Indicators: ators (minimum of one Vater (A1) er Table (A2) n (A3) rks (B1) (Nonriverin Deposits (B2) (Nonriverin sits (B3) (Nonriverin oil Cracks (B6) n Visible on Aerial Im. ined Leaves (B9)	e) iverine) ne)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhii X Presence of F Recent Iron F	B12) tebrates Ifide Odo zosphere Reduced Reduction Ifface (C	or (C1) s along Liv Iron (C4) n in Tilled S 7)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imager	
etland Hydica Surface W High Wate Saturation Water Ma Sediment Drift Depo Surface Si Inundation Water-Sta	rology Indicators: stors (minimum of one Vater (A1) er Table (A2) n (A3) rks (B1) (Nonriverin Deposits (B2) (Nonriverin sits (B3) (Nonriverin oil Cracks (B6) n Visible on Aerial Im- uned Leaves (B9)	e) iverine) ne) agery (B ⁷)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of F Recent Iron F Thin Muck Su Other (Explain	B12) tebrates Ifide Odo zosphere Reduced Reduction inface (C.)	or (C1) s along Liv Iron (C4) o in Tilled S 7) arks)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imager Shallow Aquitard (D3)	
etland Hydinimary Indica Surface Water Ma Saturation Water Ma Sediment Orift Depo Surface So Inundation Water-Sta edd Observa	rology Indicators: stors (minimum of one Vater (A1) er Table (A2) n (A3) rks (B1) (Nonriverin Deposits (B2) (Nonriverin sits (B3) (Nonriverin oil Cracks (B6) n Visible on Aerial Imi ined Leaves (B9) stions: Present? Yes	e) iverine) ne) agery (B7)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of F Recent Iron F Thin Muck Su Other (Explain	B12) tebrates lfide Odo zosphere Reduced Reduction urface (C: n in Rem.	or (C1) s along Liv Iron (C4) n in Tilled S 7) arks)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imager Shallow Aquitard (D3)	
etland Hydica Surface W High Wate Saturation Water Ma Sediment Drift Depo Surface Si Inundation Water-Sta	rology Indicators: ators (minimum of one Vater (A1) er Table (A2) n (A3) rks (B1) (Nonriverin Deposits (B2) (Nonriverin sits (B3) (Nonriverin oil Cracks (B6) n Visible on Aerial Imi ined Leaves (B9) ations: Present? Yes	e) iverine) ne) agery (B7)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhiz Presence of F Recent Iron F Thin Muck Su Other (Explain	B12) tebrates Ifide Odo zosphere Reduced Reduction inface (C: n in Rem.	or (C1) s along Liv lron (C4) o in Tilled S 7) arks)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imager Shallow Aquitard (D3)	

Project/Site SDGE TL 6371.	P114 City/County	Ramona / San Diego Sampling Date 7/13/1
Applicant/Owner SbbE		State: (A Sampling Point: UL5-1
nvestigator(s): N. ('Eruin, M. Ma.	200 Section Town	nship Range
andform (hillsiope terrace etc.). Vallous	Local relief of	oncave convex. none) ConCave Slope (%) O
Subregion (LRR)	lat: 33.0(00	90 Long -116.71882 Datum NAS
COI Map Unit Name Loamy Alluvice	e land	NWI classification: NONE
re climatic / hydrologic conditions on the site typical		
re Vegetation 🔀 Scil 🔀 or Hydrology _		
re Vegelation Soil or Hydrology		Are 'Normal Circumstances' present? Yes X No (If needed, explain any answers in Remarks.)
	and the second s	point locations, transects, important features, etc
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Yes Yes	No Is the S	Sampled Area a Wetland? Yes <u>X</u> No
EGETATION – Use scientific names of	plants.	
	Absolute Dominant In	dicator Dominance Test worksheet:
Tree Stratum (Plot size 10' x 10')		Number of Dominant Species
None		That Are OBL, FACW, or FAC: (A)
		Total Humber of Bollimant
		Species Across All Strata:
Sapling/Shrub Stratum (Plot size. 10/110)	O' / = Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC
pone		Prevalence Index worksheet:
		Total % Cover of:Multiply by:
		OBL species x 1 =
		
-	n11	FAC species $2.5 \times 3 = 7.5$
erb Stratum (Plot size/D' X ID'_)	= Total Cover	
Juneus dubious		$\frac{4c\omega}{177} = \frac{\text{UPL species}}{\text{Column Totals}} = \frac{x \cdot 5}{7c} = \frac{177}{(B)}$
Lolium Perrene	25% yes F	AC.
Juneus Mexicanus		Prevalence Index = B/A = 2.3
Rumer Crispis		Acu) Hydrophytic Vegetation Indicators:
Distichlis spicata	401. 1Jes F	MCL X Dominance Test is >50% ➤ Prevalence Index is ≤3.0'
		Morphological Adaptations* (Provide supporting
		data in Remarks or on a separate sheet)
locdy Vine Stratum (Plot size/0 'X10 ')	76% = Total Cover	Problematic Hydrophytic Vegetation (Explain)
hone		Indicators of nydric soil and wetland, hydrology must be present, unless disturbed or problematic.
Bare Ground in Herb Stratum	<u>∂/1.</u> = Total Cover	Hydrophytic Vegetation
Series State of the State of th	Sover of Dictic Crust	Present? Yes X No

Remarks

			i - Arid west Region			
Project/Site: SNGET1 637 P	129 City	County Roma	na Lan Niego Sampling Cate 7/13/11			
Project/Site SNGFT1 637 P129 City/County Romana Lan Niego Sampling Cate 711311 Applicant/Owner San Niego GAS And Electric Compounts State: CA Sampling Point: WL-10						
Investigator(s): Nichole Yenin	Sec	tion Township R	Same:			
Landform (hillstope terrace etc.) New Kick S	[D.O. 0	al relief (concave	e convex. none): <u>CONVIX</u> Slope (%) <u>10'</u>			
Subregion (LRR)	13: 23	077 117	Long -116, 700582 Datum: NAD 8.			
Soil Man Unit Name Holland Fine Strat Fine	e Consider	1	_ Long Datum: Datum:			
Soil Map Unit Name Holland Fine Stray Fin	sandi	Loan	NWI classification. NOY 18			
Are climatic / hydrologic conditions on the site typical for the	is time of year?					
Are Vegetation X Soil X or Hydrology			'Normal Circumstances' present? Yes No			
Are Vegelation Soil or Hydrology	naturally problem	natic? (If r	needed, explain any answers in Remarks.)			
SUMMARY OF FINDINGS - Attach site map	showing sar	npling point	locations, transects, important features, etc.			
Hydrophytic Vegetation Present? Yes X	No					
Hydric Soil Present? Yes X	No	Is the Sample				
Wetland Hydrology Present? Yes X	10		and? YesX No			
Remarks: ARea historicales 12	a for co	HIOM	from non-native species			
histunbed from Trambasin	S. S. CDIN	Oct Line	for productive costino			
Soils Comfacted.	7 de conc	P-CIT FION	HOW HOW - MALLOR 2 Decrease			
VEGETATION – Use scientific names of plan	its.					
Tree Stratum (Plot size 10'x 10')	Absolute Don % Cover Spe	ninant Indicator	Dominance Test worksheet:			
1 none	70 Cover Spe	cies? Status	Number of Dominant Species			
2			That Are OBL, FACW. or FAC: (A)			
3			Total Number of Dominant			
4	-		Species Across All Strata: (B)			
		tal Cover	Percent of Dominant Species			
Sapling/Shrub Stratum (Plot size: 10 x 10')			That Are OBL, FACW, or FAC 1/2 / 50 /. (A/B)			
1 none			Prevalence Index worksheet:			
2			Total % Cover of:Multiply by:			
3			OBL species $30'$. $x1 = 30$			
4			FACW species			
5			FAC species $O'I$, $x 3 = O$			
Herb Stratum (Plot size ID X 10)	_0'/1 = Tol	al Cover	FACU species <u>451.</u> x4 = <u>90</u>			
1 Vuepia Myuros	45% ye	C FACIL	UPL species x 5 =			
2 Eleo Charis Macrostachya		A STATE OF THE PARTY OF THE PAR	Column Totals: <u>7.3</u> (A) <u>122</u> (B)			
3 Rumex Crispus	1.1 Kt		Prevalence Index = B/A =			
4 Ambrosia acanthicano	11/1 10		Hydrophytic Vegetation Indicators:			
5 John Marchitenam mulifle			Dominance Test is >50%			
6 Hordenm muinum	51, n		X Prevalence Index is ≤3.0'			
7 Eramocarous setigenes			Morphological Adaptations' (Provide supporting			
8 Hemizonia Fasciculata	151, n		data in Remarks or on a separate sheet)			
Woody Vine Stratum (Plot size10 'x 10')	99'1. = Tot		Problematic Hydrophytic Vegetation* (Explain)			
1 None			Indicators of hydric soil and wetland hydrology must			
2			be present, unless disturbed or problematic.			
	01/4 = Total	i Cover				
* 2 Cu 1 1 1			Hydrophytic Vegetation			
	of Bictic Crust	6	Present? Yes X No			
Remarks						

Depth Matrix	th needed to docum			or confirm	n the absence	of indicators.)		
finches: Color (moist) %	Calcr (moist)	Features %	Tyce	Lcc²	Tenton	1-0		
1" 1048% 90%	5 YR 5/2			1000	Texture	Pemarks		
101372 1011	7. 78	101	Rm	\underline{m}	loamy c	lay.		
						_		
					-			
Type. C=Concentration. D=Depletion. RM=	Reduced Matrix CS-	Covered	or Cooler	Cand Ca				
lydric Soil Indicators: (Applicable to all I	RRs. unless otherw	vise note	or Coaled	Sand Gra		ation: PL=Pore Lining, M=Matrix		
Histosol (A1)	The second secon		1.,			for Problematic Hydric Soils ¹ :		
Histic Epipedon (A2)	Sandy Redox Stripped Matr					uck (A9) (LRR C)		
Black Histic (A3)	Loamy Mucky		C1.			uck (A10) (LRR B)		
_ Hydrogen Sulfide (A4)	Loamy Gleyer	March 100				d Vertic (F18)		
_ Stratified Layers (A5) (LRR C)	Depleted Mate		2)			rent Material (TF2)		
_ 1 cm Muck (A9) (LRR D)	X Redox Dark S		31		Office (E	Explain in Remarks)		
_ Depleted Below Dark Surface (A11)	Depleted Dark							
_ Thick Dark Surface (A12)	X Redox Depres				³ Indicators of hydrophytic vegetation and			
Sandy Mucky Mineral (S1)	Vernal Pools (welland h	ydrology must be present		
_ Sandy Gleyed Matrix (S4)					unless dis	turbed or problematic.		
estrictive Layer (if present):						p.c		
Type:								
11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	<u> </u>			1				
Depth (inches)	- None c	bsen	ved.		Hydric Soil P	resent? Yes X No		
	— None c	bs:en	vect.		Hydric Soil P	resent? Yes_X_ No		
Depth (inches)	— None c	bsen	vect.		Hydric Soil P	resent? Yes_X_ No		
Depth (inches)	— None c	bsen	ved.		Hydric Soil P	resent? Yes X No		
Depth (inches)emarks	— None c	<u>bsen</u>	vect.		Hydric Soil P	resent? Yes X No		
Depth (inches)emarks:	— None c	bsen	ved.		Hydric Soil P	resent? Yes <u>X</u> No		
Depth (inches):emarks: DROLOGY etland Hydrology Indicators:		bsen	ved.		Hydric Soil P	resent? Yes X No		
Depth (inches)emarks: 'DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required);	check all that apply)		ved.			resent? Yes X No		
Depth (inches)emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; c Surface Water (A1)	check all that apply) Salt Crust (B1	(1)	ved.		Seconda			
Depth (inches)emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required:	check all that apply) Salt Crust (B1 Biotic Crust (E	(1) 312)			Seconda Wat	ary Indicators (2 or more required) fer Marks (B1) (RiverIne)		
Depth (inches)emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required): _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3)	check all that apoly) Salt Crust (B1 Biotic Crust (E Aquatic Invert	(1) 312) ebrates (E	313)		Seconda Wat Sed	ary Indicators (2 or more required)		
Depth (inches)emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	check all that apply) Salt Crust (B1 Biotic Crust (E Aquatic Invert Hydrogen Sul	I1) B12) ebrates (E	313) (C1)		Seconda Wat Sed Drift	ary Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine)		
Depth (inches)emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine)	check all that apoly) Salt Crust (B1 Biotic Crust (E Aquatic Invert Hydrogen Sul	11) 312) ebrates (E fide Odor ospheres	313) (C1) along Liv	ing Roots	Seconda Wat Sed Drift	ary Indicators (2 or more required) fer Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10)		
Depth (inches)emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	check all that apoly) Salt Crust (B1 Biotic Crust (E Aquatic Invert	11) 312) ebrates (E fide Odor ospheres	313) (C1) along Liv	ing Roots	Seconda Wat Sed Drift Drai	ary Indicators (2 or more required) fer Marks (B1) (Riverine) fiment Deposits (B2) (Riverine) fi Deposits (B3) (Riverine) finage Patterns (B10) Season Water Table (C2)		
Depth (inches)emarks: DROLOGY etland Hydrology Indicators: imary Indicators /minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	check all that apply) Salt Crust (Bi Biotic Crust (Ei Aquatic Invert Hydrogen Sul X Cxidized Rhiz Presence of R	I1) B12) lebrates (E fide Odor lospheres Reduced Ir	313) (C1) along Liv on (C4)		Seconda Wat Sed Drift Drai (C3) Cray	ary Indicators (2 or more required) for Marks (B1) (RiverIne) fiment Deposits (B2) (Riverine) fi Deposits (B3) (Riverine) finage Patterns (B10) fiseason Water Table (C2) fish Burrows (C8)		
Depth (inches). emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)	check all that apply) Salt Crust (B1 Biotic Crust (E Aquatic Invert Hydrogen Sul X Cxidized Rhiz Y Presence of R Recent Iron R	11) 312) lebrates (E fide Odor ospheres Reduced Ir eduction in	313) (C1) along Liv on (C4) n Tilled S		Seconda Wat Sed Drift Drai (C3) Cray Satu	ary Indicators (2 or more required) for Marks (B1) (Riverine) fiment Deposits (B2) (Riverine) fi Deposits (B3) (Riverine) finage Patterns (B10) fiseason Water Table (C2) fish Burrows (C8) first Burrows (C8)		
Depth (inches). emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required): Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	check all that apply) Salt Crust (B1 Biotic Crust (E Aquatic Invert Hydrogen Sul X Cxidized Rhiz X Presence of R Recent Iron R Thin Muck Su	11) 312) lebrates (E fide Odor ospheres Reduced Ir eduction in rface (C7)	313) (C1) along Liv on (C4) n Tilled S		Seconda Wat Sed Drift Drai (C3) Dry- Cray Satu Shal	ary Indicators (2 or more required) for Marks (B1) (Riverine) fiment Deposits (B2) (Riverine) fi Deposits (B3) (Riverine) finage Patterns (B10) Season Water Table (C2) fish Burrows (C8) first Surrows (C8) for Aquitard (D3)		
Depth (inches)emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required:	check all that apply) Salt Crust (B1 Biotic Crust (E Aquatic Invert Hydrogen Sul X Cxidized Rhiz Y Presence of R Recent Iron R	11) 312) lebrates (E fide Odor ospheres Reduced Ir eduction in rface (C7)	313) (C1) along Liv on (C4) n Tilled S		Seconda Wat Sed Drift Drai (C3) Dry- Cray Satu Shal	ary Indicators (2 or more required) for Marks (B1) (Riverine) fiment Deposits (B2) (Riverine) fi Deposits (B3) (Riverine) finage Patterns (B10) fiseason Water Table (C2) fish Burrows (C8) first Burrows (C8)		
Depth (inches)emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) etd Observations: fface Water Present? Yes	check all that apply) Salt Crust (B1 Biotic Crust (E2 Aquatic Inverted Hydrogen Sulted Rhized Rhized Rhized Rhized Recent Iron Recent Iro	(1) 312) lebrates (E fide Odor ospheres leduction in rface (C7) n in Reman	313) (C1) along Liv on (C4) n Tilled S		Seconda Wat Sed Drift Drai (C3) Dry- Cray Satu Shal	ary Indicators (2 or more required) for Marks (B1) (Riverine) fiment Deposits (B2) (Riverine) fi Deposits (B3) (Riverine) finage Patterns (B10) Season Water Table (C2) fish Burrows (C8) first Surrows (C8) for Aquitard (D3)		
Depth (inches)emarks: "DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required:	check all that apply) Salt Crust (B1 Biotic Crust (E2 Aquatic Inverted Hydrogen Sulted Rhized Rhized Rhized Rhized Recent Iron Recent Iro	(1) 312) lebrates (E fide Odor ospheres leduction in rface (C7) n in Reman	313) (C1) along Liv on (C4) n Tilled S		Seconda Wat Sed Drift Drai (C3) Dry- Cray Satu Shal	ary Indicators (2 or more required) for Marks (B1) (Riverine) fiment Deposits (B2) (Riverine) fi Deposits (B3) (Riverine) finage Patterns (B10) Season Water Table (C2) fish Burrows (C8) first Surrows (C8) for Aquitard (D3)		
Depth (inches)	check all that apply) Salt Crust (B1 Biotic Crust (E Aquatic Invert Hydrogen Sul X Oxidized Rhiz X Presence of R Recent Iron R Thin Muck Sul Other (Explain X Depth (inches	at 1) B12) lebrates (E fide Odor lospheres leduced in eduction in face (C7) n in Reman	313) (C1) along Liv on (C4) n Tilled S	oils (C6)	Seconda Wat Sed Drift Drai (C3) Dry- Cray Satu Shal	ary Indicators (2 or more required) for Marks (B1) (Riverine) fiment Deposits (B2) (Riverine) finage Patterns (B10) fiseason Water Table (C2) fish Burrows (C8) furation Visible on Aerial Imagery (C9) flow Aquitard (D3) finage Patterns (D5)		
Depth (inches)	check all that apply) Salt Crust (B1 Biotic Crust (E2 Aquatic Invert Hydrogen Sul X Oxidized Rhiz X Presence of R Recent Iron R Thin Muck Sul Other (Explain Depth (inches X Depth (inches	all) all2) lebrates (E fide Odor lospheres leduced in eduction in rface (C7) in in Reman	313) (C1) along Liv on (C4) n Tilled S	oils (C6)	Seconda Wat Sed Drift Cora Cray Satu Shal FAC	ary Indicators (2 or more required) for Marks (B1) (Riverine) fiment Deposits (B2) (Riverine) fi Deposits (B3) (Riverine) finage Patterns (B10) Season Water Table (C2) fish Burrows (C8) first Surrows (C8) for Aquitard (D3)		
Depth (inches)	check all that apply) Salt Crust (B1 Biotic Crust (E2 Aquatic Invert Hydrogen Sul X Oxidized Rhiz X Presence of R Recent Iron R Thin Muck Sul Other (Explain Depth (inches X Depth (inches	all) all2) lebrates (E fide Odor lospheres leduced in eduction in rface (C7) in in Reman	313) (C1) along Liv on (C4) n Tilled S	oils (C6)	Seconda Wat Sed Drift Cora Cray Satu Shal FAC	ary Indicators (2 or more required) for Marks (B1) (Riverine) fiment Deposits (B2) (Riverine) finage Patterns (B10) fiseason Water Table (C2) fish Burrows (C8) furation Visible on Aerial Imagery (C9) flow Aquitard (D3) finage Patterns (D5)		
Depth (inches)	check all that apply) Salt Crust (B1 Biotic Crust (E2 Aquatic Invert Hydrogen Sul X Oxidized Rhiz X Presence of R Recent Iron R Thin Muck Sul Other (Explain Depth (inches X Depth (inches	all) all2) lebrates (E fide Odor lospheres leduced in eduction in rface (C7) in in Reman	313) (C1) along Liv on (C4) n Tilled S	oils (C6)	Seconda Wat Sed Drift Cora Cray Satu Shal FAC	ary Indicators (2 or more required) for Marks (B1) (Riverine) fiment Deposits (B2) (Riverine) finage Patterns (B10) fiseason Water Table (C2) fish Burrows (C8) furation Visible on Aerial Imagery (C9) flow Aquitard (D3) finage Patterns (D5)		
Depth (inches). emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Orift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Id Observations: face Water Present? Yes No ter Table Present? Yes No uration Present? Yes No	check all that apply) Salt Crust (B1 Biotic Crust (E Aquatic Invert Hydrogen Sul X Oxidized Rhiz X Presence of R Recent Iron R Thin Muck Sul Other (Explain Depth (inches X Depth (inches Cring well aerial phor	ebrates (Effide Odor cospheres Reduced In eduction in face (C7) in in Remarks)	313) (C1) along Liv on (C4) n Tilled S	Wetland	Seconda Wat Sed Drift Drai (C3) Dry- Cray Satu Shal FAC	ary Indicators (2 or more required) for Marks (B1) (Riverine) filment Deposits (B2) (Riverine) filment Deposits (B3) (Riverine) filmage Patterns (B10) filmage Patterns (B10) filmage Patterns (C8) filmagery (C9) fish Burrows (C8) firation Visible on Aerial Imagery (C9) filmagery (C9) filmage		

Project/Site: SDGETL 637 / P)	48 1 city/county Rams	na / San Vicep Sampling Date 7113/11
Applicant/Owner SAn Niego Gas am	1 Electric Comma	Sampling Point: UL7 - P
Investigator(s): Dirnoke Tenin, May	AMMONE Action Township P	James
Landform (hillslope terrace etc.) VO IIe.	Local relief (concave	convex. none): Conmil Slope (%) 1012
Subregion (LRR)	1at: 33:00999 K	Long ~116, 67 330 Datum: Nacl 83
Soil Map Unit Name. Lany Alluvial Lan		NV/I classification. None
Are climatic / hydrologic conditions on the site typical for the		
Are Vegetation X Soil X or Hydrology X		"Normal Circumstances" present? Yes No
Are Vegetation Soil or Hydrology		needed, explain any answers in Remarks.)
		locations, transects, important features, etc.
The state of the s		, , , , , , , , , , , , , , , , , , , ,
11 1: 0 10	lo Is the Sample	
Made and Market Domina	within a Wetla	nd? Yes X No
		ilana Li a Alan Li d
Remarks: ARIA historically grazed by	cutility for secouls.	regetation disturbed & has
dicturbed by human Activities	DO A PARO CHISO AC	ajacent to access Kd. And Is
JEGETATION III	And words noise	djacent to Acress Rd. And is in Watu Diverted through Area
VEGETATION – Use scientific names of plan	its. And and Heres	SRC. through I' CMP, Soils Compact
Tree Stratum (Plot size: \[\bigcup 'X \bigcup \bigcup \]	Absolute Dominant Indicator % Cover Species? Status	Dominance Test worksheet:
1. None	70 COVEL Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		That Are OBL, FACW, or FAC: (A)
3		Total Number of Dominant Species Across All Strata: (B)
4		Opecies Across Air Strata.
Sapling/Shrub Stratum (Plot size: JD'X ID!)	O'le = Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC 12 1501. (A/B)
1 None		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species ' , x 1 =
4		FACW species x 2 =
5		FAC species 45'1. x3 = 135
Herb Stratum (Plot size _/D'x 10')	O'/_ = Total Cover	FACU species
1 Rumex Crispus	1.1. No FACW	UPL species
Hemizmia fasciculata	171/2 NO	Column Totals: <u>U7</u> (A) <u>218</u> (B)
3 Kolium Pervene	45% 408 FAC.	Prevalence Index = B/A = 3, 2
4 Bornus	- Jas 110	Hydrophytic Vegetation Indicators:
5 Heliptropium Curossavicium	11. NO OBL	Dominance Test is >50%
Bromus hodeaneus	20% 408 FACU	Prevalence Index is ≤3.0'
7	J	Morphological Adaptations* (Provide supporting
8		data in Remarks or on a separate sheet)
IN11	82 = Total Cover	X Problematic Hydrophytic Vegetation (Explain)
Woody Vine Stratum (Ptot size 10 X 10)	and the second of the second o	
none		Indicators of nydric soil and wetland hydrology must
		be present, unless disturbed or problematic
	O// = Total Cover	Hydrophytic
% Sare Ground in Herb Stratum 18 % Cover	of Bictic Crust	Vegetation Present? Yes X No
Remarks ARIa is highly disturbed.		

Depth	Matrix	the depth		ment the indicator	or confirm t	ne absence o	f indicators.)	
(inches)	Color (moist)	2/0	Redo Color (moist)	x Features You	Loci	Tank		
11	-	90	5 4R 4/6		Loc*	Texture		narks
	10 11.93	10	51716	1011, Rm	_m	Sall Sall	Soilis	SAM OJ ANEL CO
						UD Sar	dy Clary L	crem
		-						
								
	-							
Type. C=Cond	centration. D=Depleti	ion. RM=R	educed Matrix, CS	=Covered or Coate	d Sand Grain		ion: PL=Pore Lin	ning, M=Matrix
	dicators: (Applicabl	le to all LR				Indicators fo	r Problematic H	ydric Soils ¹ :
_ Histosol (A			X Sandy Redo			1 cm Mud	ck (A9) (LRR C)	
_ Histic Epipe			Stripped Ma				k (A10) (LRR B)	
_ Black Histic				cy Mineral (F1)		Reduced	Vertic (F18)	
_ Hydrogen S				ed Matrix (F2)		Red Pare	nt Material (TF2)	
	ayers (A5) (LRR C)		Depleted Ma			Other (Ex	plain in Remarks)
	(A9) (LRR D)		Redox Dark					
	elow Dark Surface (A Surface (A12)	411)		rk Surface (F7)				
	ky Mineral (S1)		Redox Depre				hydrophytic vegel	
	red Matrix (S4)		Vernal Pools	(F9)		welland hyd	trology must be p	resent
	er (if present):					unless distu	irbed or problema	alic.
Type. I have	n observer	١.						
			-					
Depth (inches	s)				Н	ydric Soil Pre	esent? Yes	X No
Depth (inches					Н	ydric Soil Pro	esent? Yes	X No
Depth (inches	,				н	ydric Soil Pro	esenl? Yes	X No
Depth (inchesemarks DROLOGY	ogy Indicators:				Н	ydric Soil Pre	esent? Yes	X_ No
DROLOGY etland Hydrolomary Indicator	ogy Indicators: rs (minimum of one n		neck all that apply)		Н			X No
DROLOGY etland Hydrol- mary Indicator Surface Wat	logy Indicators: rs (minimum of one ri		neck all that apply)		Н	Secondar	y Indicators (2 or	more required)
Depth (inches marks: DROLOGY stland Hydrol mary Indicator Surface Wat High Water	logy Indicators: rs (minimum of one r ler (A1) Table (A2)		Salt Crust (E	311)	Н	Secondar	y Indicators (2 or r Marks (B1) (Riv	more required)
DROLOGY itland Hydrol mary Indicator Surface Wat	logy Indicators: rs (minimum of one r ler (A1) Table (A2)		Salt Crust (E	311) (B12)	Н	Secondar Wate Sedir	y Indicators (2 or r Marks (B1) (Riv nent Deposits (B2	more required; rerine) 2) (Riverine)
DROLOGY etland Hydrology Surface Wat High Water 1 Saturation (A	logy Indicators: rs (minimum of one r ler (A1) Table (A2)		Salt Crust (E Biotic Crust Aquatic Inve	311) (B12) rtebrates (B13)	Н	Secondar — Wate — Sedir — Drift (y Indicators (2 or r Marks (B1) (Riv nent Deposits (B2) Deposits (B3) (Riv	more required) verine) 2) (Riverine) verine)
DROLOGY etland Hydrol- mary Indicator Surface Wat High Water 1 Saturation (A	logy Indicators: rs (minimum of one re ler (A1) Table (A2) A3)	equired: ch	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen Sc	311) (B12) rtebrates (B13) ulfide Odor (C1)		Secondar Wate Sedir Drift (y Indicators (2 or r Marks (B1) (Riv nent Deposits (B2) Deposits (B3) (Riv age Patterns (B1)	more required) verine) 2) (Riverine) verine)
Depth (inches marks: DROLOGY etland Hydrol- mary Indicator Surface Wat High Water I Saturation (A Water Marks Sediment De	logy Indicators: rs (minimum of one riler (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonrive	equired: ch	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St X Oxidized Rh	311) (B12) rtebrates (B13) ulfide Odor (C1) izospheres along L		Secondar Wate Sedir Drift (X Drain	y Indicators (2 or r Marks (B1) (Riv nent Deposits (B2) Deposits (B3) (Riv age Patterns (B1) leason Water Tat	more required) verine) 2) (Riverine) verine)
DROLOGY etland Hydrology Mary Indicator Surface Wate High Water 1 Saturation (A Water Marks Sediment De	logy Indicators: rs (minimum of one refer (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) s (B3) (Nonriverine)	equired: ch	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St X Oxidized Rh X Presence of	B11) (B12) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4)	ving Roots (C	Secondar Wate Sedir Drift (X Drain Dry-S Crayf	y Indicators (2 or r Marks (B1) (Riv nent Deposits (B2) Deposits (B3) (Riv age Patterns (B1) leason Water Tat ish Burrows (C8)	more required) verine) 2) (Riverine) verine) 0) ole (C2)
DROLOGY etland Hydrol mary Indicator Surface Wat High Water 1 Saturation (A Water Marks Sediment De Drift Deposits	logy Indicators: rs (minimum of one reler (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) s (B3) (Nonriverine) Cracks (B6)	equired ch	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St X Oxidized Rh X Presence of Recent Iron	811) (B12) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled	ving Roots (C	Secondar Wate Sedir Drift (Drift (Drift (Crayf Satur	y Indicators (2 or r Marks (B1) (Riv nent Deposits (B3 Deposits (B3) (Riv age Patterns (B1) Reason Water Tat ish Burrows (C8) ation Visible on A	more required) verine) 2) (Riverine) verine)
DROLOGY Itland Hydrol Mary Indicator Surface Wat High Water 1 Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation V	logy Indicators: rs (minimum of one ri ler (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonrive s (B3) (Nonriverine) Cracks (B6) isible on Aerial Imag	equired ch	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St X Oxidized Rh X Presence of Recent Iron Thin Muck S	811) (B12) Intebrates (B13) Intebrates (B13) Interpretation (C1) Izospheres along L Reduced Iron (C4) Reduction in Tilled Interpretation (C7)	ving Roots (C	Secondar Wate Sedir Drift (Droposition of the context of the c	y Indicators (2 or r Marks (B1) (Riv nent Deposits (B2 Deposits (B3) (Riv age Patterns (B1) deason Water Tat ish Burrows (C8) ation Visible on A ow Aquitard (D3)	more required; verine) 2) (Riverine) verine) 0) ole (C2) serial Imagery (C9)
DROLOGY Partland Hydrology Mary Indicator Surface Wat High Water Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation Water-Staine	logy Indicators: rs (minimum of one riter (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) s (B3) (Nonriverine) Cracks (B6) isible on Aerial Imaged Leaves (B9)	equired ch	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St X Oxidized Rh X Presence of Recent Iron Thin Muck S	811) (B12) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled	ving Roots (C	Secondar Wate Sedir Drift (Droposition of the context of the c	y Indicators (2 or r Marks (B1) (Riv nent Deposits (B3 Deposits (B3) (Riv age Patterns (B1) Reason Water Tat ish Burrows (C8) ation Visible on A	more required; verine) 2) (Riverine) verine) 0) ole (C2) serial Imagery (C9)
DROLOGY atland Hydrol mary Indicator Surface Wat High Water I Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation Vi Water-Staine Id Observation	logy Indicators: rs (minimum of one re ler (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) c (B3) (Nonriverine) Cracks (B6) isible on Aerial Image ed Leaves (B9)	erine) ery (B7)	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St X Oxidized Rh X Presence of Recent Iron Thin Muck S Other (Expla	811) (B12) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks)	ving Roots (C	Secondar Wate Sedir Drift (Droposition of the context of the c	y Indicators (2 or r Marks (B1) (Riv nent Deposits (B2 Deposits (B3) (Riv age Patterns (B1) deason Water Tat ish Burrows (C8) ation Visible on A ow Aquitard (D3)	more required; verine) 2) (Riverine) verine) 0) ole (C2) serial Imagery (C9)
DROLOGY atland Hydrol mary Indicator Surface Wate High Water In Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation Vi Water-Staine Id Observation	logy Indicators: rs (minimum of one reler (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) cracks (B6) risible on Aerial Imaged Leaves (B9) ons: resent? Yes	erine;	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St X Oxidized Rh X Presence of Recent Iron Thin Muck S Other (Expla	811) (B12) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks)	ving Roots (C	Secondar Wate Sedir Drift (Droposition of the context of the c	y Indicators (2 or r Marks (B1) (Riv nent Deposits (B2 Deposits (B3) (Riv age Patterns (B1) deason Water Tat ish Burrows (C8) ation Visible on A ow Aquitard (D3)	more required; verine) 2) (Riverine) verine) 0) ole (C2) serial Imagery (C9)
DROLOGY etland Hydrol mary Indicator Surface Wat High Water 1 Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation Vi Water-Staine Id Observation face Water Pres	logy Indicators: rs (minimum of one re ler (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) cracks (B3) (Nonriverine) fisible on Aerial Imaged Leaves (B9) ons: resent? Yes sent? Yes	erine; ery (B7) No No	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St X Oxidized Rh X Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks) es; O	ving Roots (C	Secondar Wate Sedir Drift (Droposition of the context of the c	y Indicators (2 or r Marks (B1) (Riv nent Deposits (B2 Deposits (B3) (Riv age Patterns (B1) deason Water Tat ish Burrows (C8) ation Visible on A ow Aquitard (D3)	more required; verine) 2) (Riverine) verine) 0) ole (C2) serial Imagery (C9)
DROLOGY etland Hydrol imary Indicator Surface Wate High Water I Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation Vi Water-Staine Id Observation face Water Preservation Preservation	logy Indicators: rs (minimum of one reler (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) Cracks (B6) risible on Aerial Image ad Leaves (B9) ons: resent? Yes ent? Yes	erine; ery (B7) No No	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St X Oxidized Rh X Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks) es; O	ving Roots (C Soils (C6)	Secondar Wate Sedir Drift (X Drain 3, Dry-S Crayf Satur Shalk	y Indicators (2 or r Marks (B1) (Riv nent Deposits (B2 Deposits (B3) (Riv age Patterns (B1) deason Water Tat ish Burrows (C8) ation Visible on A ow Aquitard (D3)	more required) verine) 2) (Riverine) verine) 0) ble (C2) herial Imagery (C9)
DROLOGY atland Hydrolimary Indicator Surface Water Marks Sediment De Drift Deposits Surface Soil Inundation Vi Water-Staine Id Observation face Water Preservation Preservatio	logy Indicators: (s (minimum of one magnetics (A1)) Table (A2) (A3) (B1) (Nonriverine) (B2) (Nonriverine) (B3) (Nonriverine) (Cracks (B6)) (Sisible on Aerial Imagnetics (B9))	erine; ery (B7) NoNoNo	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St X Oxidized Rh X Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks) es; O es O	ving Roots (C Soils (C6)	Secondar Wate Sedir Drift (y Indicators (2 or r Marks (B1) (Riv nent Deposits (B3) Deposits (B3) (Riv age Patterns (B1) ieason Water Tat ish Burrows (C8) ation Visible on A ow Aquitard (D3) Neutral Test (D5)	more required) verine) 2) (Riverine) verine) 0) ole (C2) verial Imagery (C9)
DROLOGY atland Hydrolimary Indicator Surface Water Marks Sediment De Drift Deposits Surface Soil Inundation Vi Water-Staine Id Observation face Water Preservation Preservatio	logy Indicators: rs (minimum of one reler (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) Cracks (B6) risible on Aerial Image ad Leaves (B9) ons: resent? Yes ent? Yes	erine; ery (B7) NoNoNo	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen St X Oxidized Rh X Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) rtebrates (B13) ulfide Odor (C1) izospheres along L Reduced Iron (C4) Reduction in Tilled urface (C7) in in Remarks) es; O es O	ving Roots (C Soils (C6)	Secondar Wate Sedir Drift (y Indicators (2 or r Marks (B1) (Riv nent Deposits (B3) Deposits (B3) (Riv age Patterns (B1) ieason Water Tat ish Burrows (C8) ation Visible on A ow Aquitard (D3) Neutral Test (D5)	more required) verine) 2) (Riverine) verine) 0) ole (C2) serial Imagery (C9)
Depth (inches marks: DROLOGY Istand Hydrol mary Indicator Surface Wat High Water I Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation vi Water-Staine Id Observation face Water Pr for Table Pres	logy Indicators: rs (minimum of one riter (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) cracks (B6) risible on Aerial Image ad Leaves (B9) ons: resent? Yes_ sent? Yes_ ont? Yes_ y fringe) ad Data stream gauge	erine; ery (B7) No _ No _ No _ ge monitor	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen Si X Oxidized Rh X Presence of Recent Iron Thin Muck S Other (Expla X Depth (inche X Depth (inche	B11) (B12) (B12) (B13) (B13) (Indebrates (B13) (Indebrates (B13) (Indebrates along Lang Lang Lang Lang Lang Lang Lang La	ving Roots (C Soils (C6) Wetland I	Secondar Wate Sedir Drift (X Drain 3, Dry-S Crayf Satur Shalt FAC-I	y Indicators (2 or r Marks (B1) (Riv nent Deposits (B3) (Riv age Patterns (B1) ieason Water Tatish Burrows (C8) ation Visible on A ow Aquitard (D3) Neutral Test (D5)	more required) verine) 2) (Riverine) verine) 0) ole (C2) verial Imagery (C9)
Depth (inches marks: DROLOGY Itland Hydrol mary Indicator Surface Wat High Water 1 Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation vi Water-Staine d Observation face Water Pr er Table Press	logy Indicators: (s (minimum of one magnetics (A1)) Table (A2) (A3) (B1) (Nonriverine) (B2) (Nonriverine) (B3) (Nonriverine) (Cracks (B6)) (Sisible on Aerial Imagnetics (B9))	erine; ery (B7) No _ No _ No _ ge monitor	Salt Crust (E Biotic Crust Aquatic Inve Hydrogen Si X Oxidized Rh X Presence of Recent Iron Thin Muck S Other (Expla X Depth (inche X Depth (inche	B11) (B12) (B12) (B13) (B13) (Indebrates (B13) (Indebrates (B13) (Indebrates along Lang Lang Lang Lang Lang Lang Lang La	ving Roots (C Soils (C6) Wetland I	Secondar Wate Sedir Drift (X Drain 3, Dry-S Crayf Satur Shalt FAC-I	y Indicators (2 or r Marks (B1) (Riv nent Deposits (B3) (Riv age Patterns (B1) ieason Water Tatish Burrows (C8) ation Visible on A ow Aquitard (D3) Neutral Test (D5)	more required) verine) 2) (Riverine) verine) 0) ole (C2) verial Imagery (C9)

SOIL

Project/Site SNOF TI 1037 / P14	8	ona 1. an Diago Sampling Date 4113/11
Applicantifumer So a Nigora Coas An-	Single's County Many	Sampling Date
Applications of Monte	Doctor Compa	My State: CA Sampling Point: WL 7-P2
Investigator(s): A) whole Cenin, Maya	170301 Section Township F	Range:
Landform (hillslope terrace etc.): Valley	Local relief (concave	e convex none): CDAVE.X Slope (%): 101.
Subregion (LRR):	Lat:	Long166.6373151 Datum: NAD 85
Soil Map Unit Name. Cramy Alhuics	land	NWI classification: None
Are climatic / hydrologic conditions on the site typical for t	his time of year? Yes No	(If no, explain in Remarks)
Are Vegetation 😾 Soil 🗶 or Hydrology 🗴		"Normal Circumstances" present? Yes & No
Are Vegelation Soil or Hydrology		needed, explain any answers in Remarks)
Attach site map	snowing sampling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X	No	
Hydric Soil Present? Yes X	No lis the Sample	
Wetland Hydrology Present? Yes X	No Within a Wetis	
Remarks: AREA historicaciii and	soci Co Nacocies	P. Vegetation Disturbed & has so Adjacent To Access Rd And Julan Dasio, Water Diverted
Competition from non-native	Recied Apad Ai	so adjoined to make the
15 Cisturbed By human Ac	tivities on A Roc	when bonin life Aird
VECETATION II	Marrial Dec 18	model Moseil
VEGETATION – Use scientific names of plan	its. Through while for	bode ACESIRCACI through I'CMF
Tree Stratum (Plot size 10'x 10')	Absolute Dominant Indicator	Dominance Test worksheet:
1. Aprile	% Cover Species? Status	Number of Dominant Species
2		That Are OBL, FACW, or FAC: (A)
3		Total Number of Dominant
4		Species Across All Strata: 12, 2 (B)
	O'1. = Total Cover	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size 10'X 10')	= Total Cover	That Are OBL, FACW, or FAC 1/2, 55%. (A/B)
1 None		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species 30% x 1 = 30
4		FACW species
5		FAC species 15'/ x3 = 45
10/	O'l = Total Cover	FACU species $5^{1}/1$ x 4 = 20
Herb Stratum (Plot size 10 x 10		UPL species O'I, x 5 = O
1 Hemilonia Fasciculata	30% yes -	Column Totals <u>55</u> (A) <u>105</u> (B)
2 Lolium Perrene	15% MD FAC	
3 Kumer Crispus	511 NO FACE	Prevalence Index = B/A =
4 Bromus nor declosis	20451. no FACY	Hydrophytic Vegetation Indicators:
5 Poly pagen Monspeliensis	30%, yes obi	Dominance Test is >50%
6		X Prevalence Index is ≤3.0'
7		Morphological Adaptations' (Provide supporting
8		data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size 101X 101)	80'1. = Total Cover	Problematic Hydrophytic Vegetation (Explain)
1 None (Pict size 10 x 10)		
2		Indicators of nydric soil and wetland hydrology must be present, unless disturbed or problematic.
-	011	
1-11	O'l. = Total Cover	Hydrophytic Vegetation
% Bare Ground in Herb Stratum 2011 % Cover	of Biotic Crust	Present? Yes X No
Remarks		

	iption: (Describe t	o the dep	th needed to	docum	ent the	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix			Redox	Feature				TO THE PROPERTY OF
(inches)	Color (moist)	3/5	Color mo		3%	Type	Loc	Texture	Remarks
	7.54R3/3	YO	2.5 YR	4/10	10	RM	M	SHISA	dy Loan
						_	_		
Type C=Con	centration. D=Depte	tion. RM=	Reduced Mat	rix. CS=	Covered	or Coate	d Sand Gr	ains ²l occ	ation: PL=Pore Lining, M=Matrix
Hydric Soil Inc	dicators: (Applical	ole to all L	RRs, unless	otherw	ise note	d.)	3 001.3 01		for Problematic Hydric Soils ³ :
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Black Histic (A3) Loamy Mucky Mineral (F1)					1 cm M	uck (A9) (LRR C) uck (A10) (LRR B)			
	Sulfide (A4)				Mineral Matrix (d Vertic (F18)
	ayers (A5) (LRR C)					F2)			rent Material (TF2)
1 cm Muck Depleted B Thick Dark Sandy Muc	Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Vernal Pools (F9)						3Indicators o	Explain in Remarks) f hydrophytic vegetation and ydrology must be present	
	yed Matrix (S4)								
Restrictive Lau	trictive Layer (if present):						unless disturbed or problematic.		
tostilotive Lay	or in presently.								
Туре:									
Type: Depth (inche				-				Hydric Soil P	resent? Yes <u>K</u> No
Type: Depth (inche								Hydric Soil P	resent? Yes <u>K</u> No
Type: Depth (inche Remarks	es).							Hydric Soil P	resent? Yes <u>K</u> No
Type:	logy Indicators:							Hydric Soil P	resent? Yes <u>K</u> No
Type: Depth (inche lemarks: /DROLOGY /etland Hydroi rimary Indicato	logy Indicators:	required; (check all that	apply)					
Type: Depth (inche Remarks:	logy Indicators: rs (minimum of one ter (A1)	required; (apply) rust (B1	1)			Second:	ary Indicators (2 or more required)
Type:	logy Indicators: rs (minimum of one ter (A1) Table (A2)	required; (Salt C	7777				Second:	ary Indicators (2 or more required) er Marks (B1) (Riverine)
Type:	logy Indicators: rs (minimum of one ter (A1) Table (A2) A3)		Salt C Biotic Aquati	rust (B1 Crust (B c Inverte	12) ebrates (Second: Wal	ary Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine)
Type:	logy Indicators: rs (minimum of one ter (A1) Table (A2) A3) s (B1) (Nonriverine		Salt C Biotic Aquati Hydro	rust (B1 Crust (B c Inverte gen Sulfi	12) ebrates (ide Odor	(C1)		Second: Wal Sed Drift	ary Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine)
Type:	logy Indicators: Is (minimum of one ter (A1) Table (A2) A3) s (B1) (Nonriverine eposits (B2)	verine)	Salt C Biotic Aquati	rust (B1 Crust (B c Inverte gen Sulfi	12) ebrates (ide Odor	(C1)	ving Roots	Second:WalSedDriftK_Drai	ary Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10)
Type:	logy Indicators: Is (minimum of one ler (A1) Table (A2) A3) S (B1) (Nonriverine eposits (B2) (Nonriverine les)	verine)	Salt C Biotic Aquati Hydro X Oxidiz Preser	rust (B1 Crust (B c Inverte gen Sulfi ed Rhizo nce of Re	12) ebrates (ide Odor ospheres educed I	(C1) along Li ron (C4)		Second: Wal Sed Drift K Drai	ary Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine)
Type:	logy Indicators: as (minimum of one ter (A1) Table (A2) A3) s (B1) (Nonriverine eposits (B2) (Nonriverine ter (B3) (Nonriverine ter (B6))	rerine)	Salt C Biotic Aquati Hydro X Oxidiz Preser Recen	rust (B1 Crust (B c Inverte gen Sulfi ed Rhizo nce of Re t Iron Re	12) ebrates (ide Odor ospheres educed I eduction	(C1) along Li ron (C4) in Tilled S	ving Roots Soils (C6)	Seconds Wal Sed Drift Droit (C3) Cray	ary Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2)
Type:	logy Indicators: rs (minimum of one ter (A1) A3) s (B1) (Nonriverine eposits (B2) (Nonriverine cracks (B6) visible on Aerial Imaginistics	rerine)	Salt C Biotic Aquati HydroX Oxidiz _X Presei Recen Thin M	rust (B1 Crust (B c Inverte gen Sulfi ed Rhizo nce of Re t Iron Re luck Sur	12) ebrates (ide Odor ospheres educed I eduction face (C7	(C1) s along Li ron (C4) in Tilled (Seconds Wat Sed Drift K Drai (C3) Dry- Cray Satu	ary Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) inage Patterns (B10) Season Water Table (C2) vfish Burrows (C8)
Type:	logy Indicators: rs (minimum of one ter (A1) Table (A2) A3) s (B1) (Nonriverine eposits (B2) (Nonriverine Cracks (B6) //isible on Aerial Imaged Leaves (B9)	rerine)	Salt C Biotic Aquati HydroX Oxidiz _X Presei Recen Thin M	rust (B1 Crust (B c Inverte gen Sulfi ed Rhizo nce of Re t Iron Re luck Sur	12) ebrates (ide Odor ospheres educed I eduction	(C1) s along Li ron (C4) in Tilled (Second: Wat Sed Drift K Drai (C3) Dry- Cray Satt Sha	ary Indicators (2 or more required) er Marks (B1) (Riverine) iment Deposits (B2) (Riverine) Deposits (B3) (Riverine) nage Patterns (B10) Season Water Table (C2) vfish Burrows (C8) uration Visible on Aerial Imagery (C
Type:	logy Indicators: In the second of the secon	() verine) () gery (87)	Salt C Biotic Aquati Hydro X Oxidiz Presei Recen Thin M Other	rust (B1 Crust (B c Inverte gen Sulfi ed Rhizo nce of Ri t Iron Re luck Sur (Explain	12) ebrates (ide Odor ospheres educed l eduction face (C7 in Rema	(C1) s along Li ron (C4) in Tilled (Second: Wat Sed Drift K Drai (C3) Dry- Cray Satt Sha	ary Indicators (2 or more required) for Marks (B1) (Riverine) format Deposits (B2) (Riverine) format Deposits (B3) (Riverine) format (B10) format (B
Type:	logy Indicators: In the state of the state	(erine) (erine) (ery (B7)	Salt C Biotic Aquati Hydro X Oxidiz Presei Recen Thin M Other	rust (B1 Crust (B c Inverte gen Sulfi ed Rhizo nce of Ri t Iron Re luck Sur (Explain	ebrates (ide Odorospheres educed leeduction face (C7 in Rema	(C1) s along Li ron (C4) in Tilled (Second: Wat Sed Drift K Drai (C3) Dry- Cray Satt Sha	ary Indicators (2 or more required) for Marks (B1) (Riverine) format Deposits (B2) (Riverine) format Deposits (B3) (Riverine) format (B10) format (B
Type:	logy Indicators: Instructions of the second	gery (B7)	Salt C Biotic Aquati Hydro X Oxidiz Presei Recen Thin M Other	rust (B1 Crust (B c Inverte gen Sulfi ed Rhizo nce of Ri t Iron Re luck Sur Explain (inches (inches	ebrates (ide Odorospheres educed leeduction face (C7 in Remain)	(C1) s along Li ron (C4) in Tilled (Soils (C6)	Seconds Wal Sed Drift Cai Cray Satu FAC	ary Indicators (2 or more required) for Marks (B1) (Riverine) format Deposits (B2) (Riverine) format Deposits (B3) (Riverine) format (B10) format (B

Remarks

Project/Site SDGETLU37 / PI	148 City/County Roy	mora Landiego Sampling Date 7/13/11
Applicant/Owner SAM Son Diegos	GAS and Placetice	COMPLINSTALE CA Sampling Point: WL) - PZ
Investigator(s): Nichple Censin	Saction Township	Bassa:
Landform (hillstone terrace etc.) (Co.) D.	Least soliof (conserv	a communication of the communi
Subsection (LPD)	Local relier (concav	e convex. none): (COVEX Slope (%): 101
Soil Man Hot Name / A A A A A	Lat: .33 : 1600120	Long -116,67338 Datum: NAD83
Soil Map Unit Name Loany Alluvia		
Are climatic / hydrologic conditions on the site typical for the site ty		
Are Vegelation X Scil X or Hydrology X		e 'Normal Circumstances' present? Yes X No
Are Vegetation Soil, or Hydrology	The state of the s	needed, explain any answers in Remarks)
SUMMARY OF FINDINGS - Attach site ma	p showing sampling point	t locations, transects, important features, etc.
Hydrophytic Vegetation Present? YesX	No Is the Sample	od Assa
Hydric Soil Present? Yes _★	No	land? Yes 📉 No
Wetland Hydrology Present? Yes	NO	A STATE OF THE STA
Remarks: ARIA historically grass	d By Cattle for Dec	acles. Vegetation Disturbed ARAA Also Adjace at to Access Re tu Diverted through ARea an
& has competition from non-	- native Species	ARAO Also Adjacent to Access R
And is disturbed by human	Activities. Wa	be diverted through Area an
VEGETATION - Use scientific names of pla	nts. Uncle Acces.	3 Rd throw 1 CMP. Soirs Very C
	Absolute Dominant Indicator	
Tree Stratum (Plot size: D' X D')	% Cover Species? Status	Number of Dominant Species
1. none		That Are OBL, FACW. or FAC:(A)
2		Total Number of Dominant
3		Species Across All Strata: (B)
-	O'l, = Total Cover	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: 10'X 10')	= Total Cover	That Are OBL, FACW, or FAC (00 1/2 (A/B)
1 None		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species
4		FACW species 5 1/. x 2 = 1 D
5		FAC species <u>651</u> , x3 = 195
Herb Stratum (Plot size D'X D')	O'l. = Total Cover	FACU speciesO'1, x 4 =O
	Gil on All	UPL species
1 Poly pogon monspellensis 2 Hemizonia Fasciculato	DI YID OBL	- Column Totals: <u>75</u> (A) <u>210</u> (B)
3 Lypinus bilolor	11. 20 -	Prevalence Index = B/A = Q.8
4 holium persone	65% US FAC	Hydrophytic Vegetation Indicators:
	5'1. NO NI	Dominance Test is >50%
6 Rumex Crispus	51, NO FACW	**************************************
7		Morphological Adaptations' (Provide supporting
8		data in Remarks or on a separate sheet)
101 1	= Total Cover	Problematic Hydrophytic Vegetation (Explain)
Woody Vine Stratum (Plot size 101X 101)	917.	
1 hone		Indicators of nydric soil and wetland hydrology must be present, unless disturbed or problematic.
2		be present, unless disturbed of problematic.
	O'/ = Total Cover	Hydrophytic
% Bare Ground in Herb Stratum 91/ % Cove	r of Bictic Crust	Vegetation Present? Yes X No
Remarks		

Depth Matrix	oth needed to document the indicator or c Redox Features	online deserve of indicators.)
(inches) Color (moist) %	0	oc Texture Pemarks
ETI' 104R % 95	1 = 110 (6)	M Sardy Lan
ype: C=Concentration D=Depletion RM=	Reduced Matrix, CS=Covered or Coated Sa	
ydric Soil Indicators: (Applicable to all I	RRs unless otherwise noted by	
Histosol (A1)		Indicators for Problematic Hydric Soils ¹ :
_ Histic Epipedon (A2)	Sandy Redox (S5) Stripped Matrix (S6)	1 cm Muck (A9) (LRR C)
Black Histic (A3)	Loamy Mucky Mineral (F1)	2 cm Muck (A10) (LRR B)
_ Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Reduced Vertic (F18)
Stratified Layers (A5) (LRR C)	∠ Depleted Matrix (F3)	Red Parent Material (TF2)Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	X Redox Dark Surface (F6)	Office (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
Thick Dark Surface (A12)		Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	welland hydrology must be present
_ Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
estrictive Layer (if present):		
		1
Туре:	-	
	in hydric By NRCS	Hydric Soil Present? Yes K No
Depth (inches). Pemarks: Soils Also Considered DROLOGY Betland Hydrology Indicators:		
Depth (inches). Pemarks: Soils Also Considered DROLOGY Betland Hydrology Indicators:	check all that apply)	Secondary Indicators (2 or more required)
Depth (inches). Depth (inches). DROLOGY DROLO	check all that apply) Salt Crust (B11)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine)
Depth (inches). Depth (inches). DROLOGY Stland Hydrology Indicators: many Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3)	check all that apply) Salt Crust (B11) Biotic Crust (B12)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine)
Depth (inches). Depth (inches). DROLOGY DROLO	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
Depth (inches). Depth (inches). DROLOGY Stland Hydrology Indicators: many Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) X Drainage Patterns (B10)
Depth (inches). Depth (inches). DROLOGY Stland Hydrology Indicators: mary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Colorinage Patterns (B10) Roots (C3) Dry-Season Water Table (C2)
Depth (inches). Depth (inches). DROLOGY DROLOGY Datland Hydrology Indicators: mary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) XOxidized Rhizospheres along Living	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Consinage Patterns (B10) Roots (C3) Crayfish Burrows (C8)
DROLOGY Stland Hydrology Indicators: mary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres along Living Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Common Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
DROLOGY Stand Hydrology Indicators: mary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Conductor Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Ca) Shallow Aquitard (D3)
DROLOGY Stand Hydrology Indicators: mary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Coxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Common Drift Deposits (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Depth (inches). Depth (inches). Demarks: Sils Also Considered DROLOGY Datand Hydrology Indicators: many Indicators /minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Id Observations: face Water Present? Yes	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Coxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Conductor Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Can Shallow Aquitard (D3)
Depth (inches). Depth (inches). Demarks: Sils Also Considered DROLOGY Data Hydrology Indicators: Many Indicators /minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Id Observations: face Water Present? Yes	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Coxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Conductor Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Can Shallow Aquitard (D3)
Depth (inches). Depth (inches). Demarks: So ils Also Considered DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B*) Water-Stained Leaves (B9) Ild Observations: rface Water Present? Yes No ster Table Present? Yes No cluration Present? Yes No	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) X Depth (inches) Depth (inches) X Depth (inches) W	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Common Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Cample) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches). Depth (inches). Depth (inches). DROLOGY Stand Hydrology Indicators: many Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Id Observations: face Water Present? Yes No ter Table Present? Yes No Liration Present? Yes No	check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Coxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches) C X Depth (inches)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Comparise Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Caster Shallow Aquitard (D3) FAC-Neutral Test (D5)

Project/Site SDGE TI 637/ P1	48 CINIC	ounty la ma	na Brdiego Sampling Date 4/13/11
Applicantioner San Diego Gos and F	lectric C	OM MAN	State. CA Sampling Point: WL7 - F
Investigator(s): Nichole Cenin Maya	Marin Saction	n Township P	State: Sampling Form. WETT
Landform (hillstone terrace etc.)	Local Local	relief reserve	And
Subregion (LRR):	Local	S Cito	convex. none): [DICAUL Slope (%) 10'1.
Soil Man Unit Name (mm m) Alluming ()	Lat:	0 नुजा दि	Long -116, 10 7 3 18 Datum: NAD 83
Soil Map Unit Name Loany Alluvial	ana	10 00	NV/I classification: 110118
Are climatic / hydrologic conditions on the site typical for the Are Vegetation Soil, or Hydrology	nis time of year? Ye		
Are Vegetation Soil or Hydrology			'Normal Circumstances' present? Yes No
			eeded, explain any answers in Remarks)
SUMMARY OF FINDINGS – Attach site map	showing samp	oling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X	No		
Hydric Soil Present? Yes X	No	is the Sample	
Wetland Hydrology Present? Yes X	INO		nd? Yes _X No
Remarks: Site is disturbed. ARO	- grazzol for	decade	o). Vegetation is disturbed to laccess as is biverted through Area
Lussend & Combetition Mit	- non-nat	ive spec	cees. April Adjacent to Access
Rd. And 13 disturbed by huma	n Activiti	ies wat	to IS Diverted through them
VEGETATION – Use scientific names of plan	1	Access	Ra through 1'CMP.
		ant Indicator	
Tree Stratum (Plot size 10'X10')	% Cover Specie	nant Indicator	Dominance Test worksheet:
1. none			Number of Dominant Species That Are OBL, FACW, or FAC:l (A)
2			
3			Total Number of Dominant Species Across All Strata: (B)
4			
Sapling/Shrub Stratum (Plot size 10'x 10')	= Total	Cover	Percent of Dominant Species That Are OBL, FACW, or FAC
1 None (Pict size 10 x 10)			
2			Prevalence Index worksheet:
2			Total % Cover of: Multiply by:
4			OBL species <u>0 '/.</u> x 1 = <u>0</u>
5		-	FACW species 1.5 1. x 2 = 30
1			FAC species 100'1. x3 = 180
Herb Stratum (Plot size 101×10)	= Total	Cover	FACU species
1 Rumex Crispus	10%, 10	FACW	UPL species 101/, x5 = 50
2 Hemizonia Fasiculata			Column Totals: 85 (A) 260 (B)
3 Lolium Perrene	100% Jes		Prevalence Index = B/A = 3.0
4 Polypagon Monspeliensis		FACW	Hydrophytic Vegetation Indicators:
5 Hordeum murinum	101. no	NI	X Dominance Test is >50%
6 Taenic therum Capt-Merly		Lipl.	X Prevalence Index is ≤3 0'
7			Morphological Adaptations' (Provide supporting
8			data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot sizeID' × 10')	95'1, = Total	Cover	Problematic Hydrophytic Vegetation (Explain)
1 none			Indicators of nydric soil and wetland hydrology must
2	-		be present, unless disturbed or problematic
	0 1. = Total	Cover	Hydrophytic
% Bare Ground in Hero Stratum 51. % Cover	of Biotic Crust	8	Vegetation
Remarks	or blotte Crust		Present? Yes X No
· · · · · · · · · · · · · · · · · · ·			

0	\sim	11	

	iption: (Describe to	the depth ne	eded to docum	ent the i	ndicator	or confirm	Sampling Point WL7- in the absence of indicators.)
Depth	Matrix			Features			the abbelies of mulcators.)
linches,	Color (moist)		olor (moist)	2%	Type	Loc	
1	IDYR 3/2	95 2	1.5YRISK	5%	RM	M	SANDYLORM
							21212
							·
	-						
-						_	
Type. C=Cond	centration. D=Depleti	on. RM=Redu	ced Matrix, CS=	Covered	or Coated	Sand Gr	zine Zhoestion: Ot -Desettining Matter
ydric Soil Inc	licators: (Applicabl	e to all LRRs	unless otherw	ise note	d.)	Jariu Gi	Indicators for Problematic Hydric Soils ³ :
_ Histosol (A	1)		Sandy Redox				1 cm Muck (A9) (LRR C)
_ Histic Epipe	The state of the s	_	Stripped Matr	ix (S6)			2 cm Muck (A10) (LRR B)
Black Histic Hydrogen S		<u>-</u>	Loamy Mucky				Reduced Vertic (F18)
	ayers (A5) (LRR C)		Loamy Gleyer		F2)		Red Parent Material (TF2)
	(A9) (LRR D)		Depleted Mat Redox Dark S		e.		Other (Explain in Remarks)
_ Depleted Be	elow Dark Surface (A	.11)	Depleted Dark				
	Surface (A12)	_	Redox Depres	sions (F8			Indicators of hydrophytic vegetation and
	ky Mineral (S1)	_	Vernal Pools (F9)			wetland hydrology must be present
	ed Matrix (S4) er (if present):						unless disturbed or problematic.
Type:	er (ii present):						
Depth (inches	.,						
marks	9)						Hydric Soil Present? Yes No
DROLOGY	9						
DROLOGY							
etland Hydrol	ogy Indicators:	aquirad: chack	all that each				
etland Hydrol mary Indicator	ogy Indicators:	equired; check					Secondary Indicators (2 or more required)
nary Indicator Surface Wat	ogy Indicators: s (minimum of one re er (A1)	⊋quired; check —	Salt Crust (B1				Water Marks (B1) (Riverine)
etland Hydrol mary Indicator	ogy Indicators: <u>s (minimum of one re</u> er (A1) Fable (A2)	-	Salt Crust (B1 Biotic Crust (B	312)	P12)		Water Marks (B1) (Riverine)Sediment Deposits (B2) (Riverine)
etland Hydrol mary Indicator Surface Wat High Water 1 Saturation (A	ogy Indicators: 's (minimum of one re er (A1) Fable (A2) N3)	-	Salt Crust (B1 Biotic Crust (B Aquatic Invert	312) ebrates (l			 Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine)
etland Hydrolomary Indicator Surface Wat High Water 1 Saturation (A	ogy Indicators: <u>s (minimum of one ri</u> er (A1) Fable (A2) (3) (B1) (Nonriverine)	=	Salt Crust (B1 Biotic Crust (B Aquatic Invert Hydrogen Sul	312) ebrates (l fide Odor	(C1)	una Roots	 Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Orift Deposits (B3) (Riverine) Drainage Patterns (B10)
etland Hydrol mary Indicator Surface Wat High Water 1 Saturation (A Water Marks Sediment De Drift Deposits	ogy Indicators: is (minimum of one re er (A1) Fable (A2) (A3) (B1) (Nonriverine) iposits (B2) (Nonrive s (B3) (Nonriverine)	erine	Salt Crust (B1 Biotic Crust (B Aquatic Invert Hydrogen Sul Cxidized Rhiz	312) ebrates (l fide Odor ospheres	(C1) along Liv	ing Roots	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3: Dry-Season Water Table (C2)
etland Hydrol mary Indicator Surface Wat High Water I Saturation (A Water Marks Sediment De Drift Deposits Surface Soil	ogy Indicators: is (minimum of one re er (A1) Fable (A2) A3) (B1) (Nonriverine) iposits (B2) (Nonrive is (B3) (Nonriverine) Cracks (B6)	erine) X	Salt Crust (B1 Biotic Crust (B Aquatic Invert Hydrogen Sul Cxidized Rhiz	a12) ebrates (l fide Odor ospheres leduced la	(C1) along Liv on (C4)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) C3, Dry-Season Water Table (C2) Crayfish Burrows (C8)
stland Hydrol mary Indicator Surface Wat High Water I Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation Vi	ogy Indicators: s (minimum of one re er (A1) Fable (A2) (B1) (Nonriverine) sposits (B2) (Nonrive s (B3) (Nonriverine) Cracks (B6) sible on Aerial Image	erine) X	Salt Crust (81 Biotic Crust (E Aquatic Invert Hydrogen Sul Cxidized Rhiz Presence of R Recent Iron R	ebrates (l fide Odor ospheres leduced la eduction i	(C1) along Liv ron (C4) in Tilled S		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Torainage Patterns (B10) (C3, Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
stland Hydrol mary Indicator Surface Wat High Water I Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation Vi Water-Staine	ogy Indicators: s (minimum of one re er (A1) Fable (A2) A3) (B1) (Nonriverine) eposits (B2) (Nonrive s (B3) (Nonriverine) Cracks (B6) isible on Aerial Image d Leaves (B9)	erine) X	Salt Crust (B1 Biotic Crust (B Aquatic Invert Hydrogen Sul Cxidized Rhiz	ebrates (I fide Odor ospheres leduced I eduction i	(C1) along Liv ron (C4) in Tilled S		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3, Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
stland Hydrol mary Indicator Surface Wat High Water I Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation Vi Water-Staine Id Observation	ogy Indicators: s (minimum of one re er (A1) Fable (A2) k3) (B1) (Nonriverine) sposits (B2) (Nonriverine) cracks (B6) sible on Aerial Image d Leaves (B9)	erine)	Salt Crust (B1 Biotic Crust (E Aquatic Invent Hydrogen Sul Cxidized Rhiz Presence of R Recent Iron R Thin Muck Sul Other (Explain	ebrates (I fide Odor ospheres leduced I eduction i fface (C7) in Rema	(C1) along Liv ron (C4) in Tilled S (rks)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Torainage Patterns (B10) (C3, Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
etland Hydrol mary Indicator Surface Wat High Water I Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation Vi Water-Staine Id Observation face Water Pr	ogy Indicators: s (minimum of one ri er (A1) Fable (A2) k3) (B1) (Nonriverine) sposits (B2) (Nonriverine) Cracks (B6) Gracks (B6) sible on Aerial Imag: d Leaves (B9) sins: esent? Yes	erine)	Salt Crust (B1 Biotic Crust (E Aquatic Invest Hydrogen Sul Coxidized Rhiz Presence of R Recent Iron R Thin Muck Sul Other (Explain	B12) ebrates (I fide Odor ospheres deduced li eduction i fface (C7)	(C1) along Liv ron (C4) in Tilled S) rks)		Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3, Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
stland Hydrol mary Indicator Surface Wat High Water I Saturation (A Water Marks Sediment De Drift Deposits Surface Soil Inundation Vi Water-Staine Id Observation	ogy Indicators: s (minimum of one ri er (A1) Fable (A2) k3) (B1) (Nonriverine) s (B3) (Nonriverine) Cracks (B6) sisble on Aerial Image d Leaves (B9) ons: essent? Yes ent? Yes	erine)	Salt Crust (B1 Biotic Crust (I) Aquatic Invert Hydrogen Sul Cxidized Rhiz Presence of R Recent Iron R Thin Muck Sul Other (Explain Depth (inches	B12) ebrates (I fide Odor ospheres leduced II eduction i face (C7)	(C1) along Liv ron (C4) in Tilled S rks)	oils (C6)	Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) (C3, Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)

Project/Site SSGE TL 637/ PI	t9 City/County Rame	na / San Sieclo_ Sampling Date _7/13/11
ApplicanuOwner Son Diraio Com On	of Eloutor Commo	WILL State CA Sampling Point (a) 8 - DI
investigator(s): Dichole Censin, Macy	WW.201 Section Township F	Range:
andform (hillstope terrace atc.). VO.11813	Local relief (concave	a convey popel: Coopering Store 194. 5:1
Subregion (LRR)	12: 33 IM 506	convex none): (m/a/p Slope (%) 5/1,
cil Map Unit Name: Loany, Allusial	1 1	Long <u>~116.67188(a</u> Datum; <u>NA() 83</u>
		NWI classification: None
re climatic / hydrologic conditions on the site typical for	this time of year? Yes _ No	
re Vegelation $ imes$ Soil $ imes$. or Hydrology $ imes$		e 'Normal Circumstances' present? Yes No
re Vegetation Scil or Hydrology	_ naturally problematic? (If r	needed, explain any answers in Remarks)
SUMMARY OF FINDINGS - Attach site ma	p showing sampling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes X Yes X	No	500 C C C C C C C C C C C C C C C C C C
Remarks: ARea used for grazing for De Und human Activities water Di	eads. Vege tation distr Vented Into Alea	ubod from gazing, competition whon-
EGETATION – Use scientific names of pla		
Tree Stratum (Plot size 10 x 10)	Absolute Dominant Indicator <u>% Cover Species? Status</u>	Dominance Test worksheet:
. None	<u> </u>	Number of Dominant Species That Are OBL, FACW, or FAC: (A)
-		Total Number of Dominant Species Across All Strata: (B)
apling/Shrub Stratum (Plot size: 10 X 10)	O²), = Total Cover	Percent of Dominant Species That Are OBL. FACW, or FAC O(1 O(1, (A/B))
none		Prevalence Index worksheet:
		Total % Cover of: Multiply by:
		OBL species O'1. x 1 = O
70.000		FACW species O/1; x 2 = O
		FAC species $15 \times 3 = 45$
erb Stratum (Plot size 101×101)	= Total Cover	FACU species 10 x 4 = 40
PICTIC		UPL species x 5 =
Hemizonia fasiculata	701. yes -	Column Totals: <u>25</u> (A) <u>85</u> (B)
Bromus hondra Ceus	10 NO FACU	Prevalence Index = B/A = 3,4
Lohum Devene		Hydrophytic Vegetation Indicators:
Lupinus bicolor	15% 100 FAC	Dominance Test is >50%
Lupinus Isicolor		
Lupinus Isicolor	<u>1'i. No – </u>	Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting)
Lupinus Isicolor	<u>1'i. No – </u>	Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
/ocdy Vine Stratum (Plot size 10'X 10')	<u>1'i. No – </u>	Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vagetation¹ (Explain)
Lupinus Isicolor	1'i. No -	Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
Vocdy Vine Stratum (Plot size 10'x 10')	1'i. NO -	Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) X Problematic Hydrophytic Vagetation¹ (Explain) Indicators of nydric soil and wetland hydrology must

epth Matrix	oth needed to document the indicator or co	offirm the absence of indicators.)
ches) Color (moist) %	Color (moist) % Type Lo	c ² Texture Remarks
2" 1048 2/2 95957	17.5 2.5/35 55 RM W	
Ser. C=Connectication D=Deptation DA		
Iric Soil Indicators: (Applicable to all I	Reduced Matrix, CS=Covered or Coated Sar	
Histosol (A1)	Sandy Redox (S5)	Indicators for Problematic Hydric Soils ³ :
Histic Epipedon (A2)	Stripped Matrix (S6)	1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B)
Black Histic (A3)	Loamy Mucky Mineral (F1)	Reduced Vertic (F18)
Hydrogen Sulfide (A4)	Loamy Gleved Matrix (F2)	Red Parent Material (TF2)
Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D)	Depleted Matrix (F3)	O!her (Explain in Remarks)
Depleted Below Dark Surface (A11)	Redox Dark Surface (F6) Depleted Dark Surface (F7)	
Thick Dark Surface (A12)	X Redox Depressions (F8)	¹ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Vernal Pools (F9)	welland hydrology must be present
Sandy Gleyed Matrix (S4)		unless disturbed or problematic.
rictive Layer (if present):		
indire Layer (ii present):		
уре:	_	
Type:	_	Hydric Soil Present? Yes X No
ROLOGY and Hydrology Indicators: ary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Orift Deposits (B3) (Nonriverine) Surface Scil Cracks (B6) nundation Visible on Aerial (magery (B7))	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)X Oxidized Rhizospheres along Living A Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
pype:	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)X Oxidized Rhizospheres along Living € Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) X Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
epth (inches). epth (inches). epth (inches). ery Indicators: ery Indicators (minimum of one required: Burface Water (A1) digh Water Table (A2) Saturation (A3) Vater Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Surface Scil Cracks (B6) eundation Visible on Aerial (magery (B7) Vater-Stained Leaves (B9) Observations:	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Cxidized Rhizospheres along Living f Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
epth (inches)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)X Oxidized Rhizospheres along Living for the presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3)
epth (inches)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)X Oxidized Rhizospheres along Living RX Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches) Depth (inches)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) X Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)
epth (inches)	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)X Oxidized Rhizospheres along Living RX Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches) Depth (inches)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5)

Propertisite SDISE TI 1027 1		. P	- 10 1
Acclicant/Owner Son Discon Con	Ocal Class	County Manie	na / Surding Osampling Date 7/13/
Investmental 1) stade Consider VI	and clar	MC COM	porty State. CA Sampling Point: WCB-
Investigator(s): Dichole Centin Ha	p Magon Sec	tion Township F	Range:
Landform (milisiope terrace etc.).	Loc	al relief (concave	convex. none): Concave Slope (%) 5
Subregion (LRR)	Lat: <u>33</u>	1000	Long -116.107205 Datum: NAD
Soil Map Unit Name. Loamy Alluvial	land		NWI classification: NOTE
Are climatic / hydrologic conditions on the site typical	for this time of year?	Yes No	(If no, explain in Remarks.)
Are Vegelation X Soil V or Hydrology	✓ significantly distr	irhed? Are	e 'Normal Circumstances' present? Yes 💹 No
re Vegetation Soil or Hydrology	naturally problem		
			needed, explain any answers in Remarks)
SUMMARY OF FINDINGS – Attach site r	map showing sai	mpling point	locations, transects, important features, et
Hydrophytic Vegetation Present? Yes _X	No		
Hydric Soil Present? Yes X	No	Is the Sample	
	No	within a Wetla	and? Yes X No
Remarks:			
EGETATION – Use scientific names of	plants.		
ree Stratum (Plot size	Absolute Dor	minant Indicator	Dominance Test worksheet:
			Number of Dominant Species
-			That Are OBL, FACW, or FAC: (A)
			Total Number of Dominant
3.			Species Across All Strata: (B)
1			Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:)	= To	tal Cover	That Are OBL. FACW. or FAC 12, 50% (A/B)
-			Prevalence Index worksheet:
			Total % Cover of: Multiply by:
			OBL species
			FACW species O x 2 =
1			FAC species 30 x 3 = 90
		tal Cover	FACU species
erb Stratum (Plot size)			UPL species x 5 =
Avera harmta	50'l, y	es -	Column Totals 3) (A) 94 (B)
Lolium Reviene	301. 11	S FAC	
Trifolium hirtum	151. No	-	Prevalence Index = B/A =
Triticum aestivum	1'1. N	0	Hydrophytic Vegetation Indicators:
bromus hordenceus		D FACL	X Dominance Test is >50%
			X Prevalence Index is ≤3.0'
			Morphological Adaptations' (Provide supporting
			data in Remarks or on a separate sheet)
	= Tot	al Cover	Problematic Hydrophytic Vegetation (Explain)
(Plot size)			
•			Indicators of nydric soil and wetland hydrology must be present, unless disturbed or problematic
-			os present, unless disturbed of problematic
	= Tota	ai Cover	Hydrophytic
Bare Ground in Herb Stratum % C	over of Biotic Crust	D	Vegetation Present? Yes X No
emarks			AST - I W

Depth Matrix (inches) Color (moist) % 111 IDUR 2/2 98	Recox Features	
1" 101R2/2 90	Color (maist) % Type Lo	Ci Texture Pemarks
	542 5/8 & RM n	0
Type: C=Concentration. D=Depletion RM	=Reduced Matrix, CS=Covered or Coated Sar	
Hydric Soil Indicators: (Applicable to all		Indicators for Problematic Hydric Soils ³ :
Histosol (A1) Histic Epipedon (A2)	Sandy Redox (S5)	1 cm Muck (A9) (LRR C)
Black Histic (A3)	Stripped Matrix (S6) Loamy Mucky Mineral (F1)	2 cm Muck (A10) (LRR B)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Reduced Vertic (F18)
Stratified Layers (A5) (LRR C)	X Depleted Matrix (F3)	Red Parent Material (TF2)Other (Explain in Remarks)
1 cm Muck (A9) (LRR D)	X Redox Dark Surface (F6)	Galet (Explain in Nemarks)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)	
_ Thick Dark Surface (A12)	Redox Depressions (F8)	3Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Vernal Pools (F9)	welland hydrology must be present
		unless disturbed or problematic.
estrictive Laver (if present):		
testrictive Layer (if present):		
Туре:		
		Hydric Soil Present? Yes X No
Type:	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres along Living (X) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Type:	 Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Cxidized Rhizospheres along Living (X) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils 	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C
Type:	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres along Living (X) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C Shallow Aquitard (D3)
Type:	Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres along Living (X) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7)	Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Corainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C) Shallow Aquitard (D3)
Type:	; check all that apply)	

Project/Site: SDINE TI. 1837 / P14	9; City/County Ray	ura / Can Niego Sampling Date: 7/3///
Applicant/Owner Silve		State: CA Sampling Point: U/1 8-F
Investigator(s): N. Cewin, m. mazon.	Section Township	Range
Landform (hillslope, terrace etc.): Valeur	Local relief (concar	ve convex none): Con Vex Slace (%) (5")
Subregion (LRR):	Lat: 23. 180009	ve convex. none): <u>CONVEX</u> Slope (%). <u>57</u> 9 Long: <u>- 116.6717.5</u> Datum: <u>NA D</u>
Soil Map Unit Name: Loamy Allevice.	land	NWI classification: None
Are climatic / hydrologic conditions on the site typical for	this time of year? Yes V N	O (If no explain in Remedia)
Are Vegetation X Soil X or Hydrology X		
Are Vegetation Soil or Hydrology		re 'Normal Circumstances' present? Yes No
		f needed. explain any answers in Remarks.) at locations, transects, important features, etc
Hydrophytic Vegetation Present? Yes	No X within a Wel	tland? Yes No _X
Remarks: ARION DISTIN hed by One	zine Uuman and	hillitian as hand
are Present i' cmo o'ac	zery, ruman aci	o Rd. Away from ARea
The fires we	rter undu Acces	o Rd. Away from Akea
VEGETATION – Use scientific names of pla	ants.	
		Dominance Test worksheet:
Tree Stratum (Plot size: 10'X10')	% Cover Species? Status	- Number of Dominant Species
1 hone		That Are OBL, FACW, or FAC: (A)
2		Total Number of Dominant
3		Species Across All Strata: (B)
Sapling/Shrub Stratum (Plot size:	O'/, = Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC (A/B)
1. None		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species x 1 =
4		FACW species x 2 =
5		FAC species $15 \times 3 = 45$
Herb Stratum (Plot size: 10'K 10'	= Total Cover	FACU species
1. Clarkier purpurea.	111 11 -	UPL species x 5 =
2 Trifolium huntum	51. N	Column Totals: <u>20</u> (A) <u>65</u> (B)
3 Bromus hadearious	51. N FACU	Prevalence Index = B/A = 3.2
4 Amprosia Psilostachya	51. N FAC	
5 Hemilonia fasciculata	70 UN -	Dominance Test is >50%
6 Lolium persone	101. NO FAC	- Committee
7	101. 100 MM	Morphological Adaptations' (Provide supporting
8.		data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size 10 X 10')	Pio 1, = Total Cover	Problematic Hydrophytic Vegetation [†] (Explain)
1 None		Indicators of nydric soil and wetland hydrology must
2		be present, unless disturbed or problematic.
% Bare Ground in Herb Stratum 41. % Cove	<u>O'l.</u> = Total Cover	Hydrophytic Vegetation
70 COVE	a of blotte clust	Present? Yes No X

-	-	
•		

.

Depth	cription: (Describe			ox Feature				030000000000000000000000000000000000000	
(inches)	Color (moist)	2/6	Color (moist)	%	Type'	Loc ²	Texture		Remarks
<u>'</u>	1048 3/2	<u>99'1.</u> —— -	7.54R	17.	RM	<u>m</u>	Sand	yloa	
				_	=				
 Гуре: С=Со	ncentration. D=Depl	etion. RM=R	educed Matrix, CS	S=Covered	or Coated	 d Sand Gra	nins. ² Loca	tion: PI =	Pore Lining, M=Matrix.
lydric Soil I	ndicators: (Applica	ble to all LF	RRs, unless other	rwise note	d.)			or Proble	matic Hydric Soils ³ :
_ Histosol (Sandy Red	ox (S5)				ck (A9) (
	pedon (A2)		Stripped Ma				2 cm Mu		
_ Black His			Loamy Muc				Reduced		
	Sulfide (A4)		Loamy Gley		(F2)		Red Pare	ent Mater	ial (TF2)
	Layers (A5) (LRR C)		Depleted Ma						Remarks)
	k (A9) (LRR D) Below Dark Surface	74.11	_X Redox Dark						
_ Depleted	k Surface (A12)	(A11)	Depleted Da				Austra A.S.		
	ucky Mineral (S1)		Redox Depr	essions (Fi	8)		'Indicators of	hydroph	tic vegetation and
	eyed Matrix (S4)		Vernal Pools	5 (1-9)					nust be present.
	eyer (if present):						unless dist	urbed or	problematic.
Туре:									
I YUC.									
Depth (inch			-				Hydric Soil Pr		Yes No
Depth (inch		ncent	Riolox Per	chro	ma	Requi			Yes No
Depth (inch	es): t meit Pa	ncent	RIOLOX Per	L Chro	ma	Requi			Yes No
Depth (inchemarks:	t meit Pe	ncent	RIOLOX Per	chro	ma	Requi			Yes No
Depth (inchemarks:	t Meit Pe Y ology Indicators:				ma.	Requi			Yes No_X
Depth (inchemarks:	t meit Pe				ma.	Requi	rementa	0	Yes No _X
Depth (inchemarks: DROLOG etland Hydra imary Indicat Surface W	Y ology Indicators: tors (minimum of one later (A1)				ma.	Requi	remente	O ny Indicat	ors (2 or more required)
Depth (inchemarks: DROLOG etland Hydromary Indicate Surface W High Wate	Y clogy Indicators: tors (minimum of one later (A1) r Table (A2)		neck all that apply) B11)	ma	Requi	rementa	ory Indicater Marks	ors (2 or more required) (B1) (Riverine)
Depth (inchemarks: DROLOG etland Hydremary Indicat Surface W High Wate Saturation	Y cology Indicators: tors (minimum of one later (A1) r Table (A2) (A3)	e required; ch	neck all that apply) B11) (B12)		Requi	Seconda Wate Sedi	ry Indicater Marks	ors (2 or more required) (B1) (Riverine) posits (B2) (Riverine)
Depth (inchemarks: DROLOG etland Hydromary Indicat Surface W High Wate Saturation Water Mark	Y clogy Indicators: tors (minimum of one later (A1) r Table (A2) (A3) ks (B1) (Nonriverine	e required; ct	neck all that apply Salt Crust (I Biolic Crust) B11) (B12) ertebrates (B13)	Requi	Seconda — Sedi — Sedi — Drift	ry Indical er Marks ment Dep Deposits	ors (2 or more required) (B1) (Riverine)
DROLOG etland Hydrimary Indicat Surface W High Wate Saturation Water Mark Sediment I	Y cology Indicators: tors (minimum of one later (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonri	e required; ct	neck all that apply Salt Crust (I Biolic Crust Aquatic Inve) B11) (B12) ertebrates (ulfide Odor	B13)		Seconda Seconda Sedi Drift Drain	ry Indicater Marks ment Deposits nage Patt	ors (2 or more required) (B1) (Riverine) posits (B2) (Riverine) (B3) (Riverine) erns (B10)
DROLOG etland Hydromary Indicat Surface W High Wate Saturation Water Mari Sediment I Drift Depos	Y cology Indicators: tors (minimum of one later (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonri sits (B3) (Nonriverin	e required; ct	neck all that apply Salt Crust (I Biolic Crust Aquatic Inve	B11) (B12) ertebrates (ulfide Odor	B13) (C1) s along Liv		Seconda Wate Sedi Drift Drair (C3) Dry-5	ry Indicater Marks ment Deposits Deposits nage Patt Season V	ors (2 or more required) (B1) (Riverine) oosits (B2) (Riverine) (B3) (Riverine) erns (B10) Vater Table (C2)
DROLOG etland Hydro imary Indicat Surface W High Wate Saturation Water Mari Sediment I Orift Depos Surface So	Y cology Indicators: tors (minimum of one later (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonri sits (B3) (Nonriverin il Cracks (B6)	e required; ch e) verine) e)	neck all that apply Salt Crust (I Biotic Crust Aquatic Inve	B11) (B12) ertebrates (ulfide Odor izospheres	B13) r (C1) s along Liv	ving Roots	Seconda Wate Sedi Drift Drair (C3) Cray	ry Indicater Marks ment Deposits Deposits Geason Vision Burro	ors (2 or more required) (B1) (Riverine) posits (B2) (Riverine) (B3) (Riverine) erns (B10) Vater Table (C2)
DROLOG Parante Water Mart Sediment I Drift Depos Surface So Inundation	Y ology Indicators: tors (minimum of one later (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverin sits (B3) (Nonriverin oil Cracks (B6) Visible on Aerial Ima	e required; ch e) verine) e)	neck all that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh	B11) (B12) ertebrates (ulfide Odor izospheres Reduced I Reduction	B13) (C1) s along Liv fron (C4) in Tilled S	ving Roots	Seconda Wate Sedi Drift Drair (C3) Cray Satu	ry Indicater Marks ment Deposits nage Patt Season V fish Burror	ors (2 or more required) (B1) (Riverine) posits (B2) (Riverine) (B3) (Riverine) erns (B10) Vater Table (C2) poss (C8) ible on Aerial Imagery (C
DROLOG etland Hydro imary Indicat Surface W High Wate Saturation Water Mark Sediment I Orift Depos Surface So Inundation Water-Stain	Y ology Indicators: tors (minimum of one taler (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine tists (B3) (Nonriverine til Cracks (B6) Visible on Aerial Imaned Leaves (B9)	e required; ch e) verine) e)	neck all that apply Salt Crust (I Biotic Crust Aquatic Inve Hydrogen S Oxidized Rh	B11) (B12) ertebrates (ulfide Odor izospheres Reduced I Reduction Gurface (C7	B13) r (C1) s along Liv iron (C4) in Tilled S	ving Roots	Seconda Wate Sedi Drift Drair (C3) Cray	ry Indical er Marks ment Dep Deposits nage Patt Season V fish Burror ration Vis	ors (2 or more required) (B1) (Riverine) posits (B2) (Riverine) (B3) (Riverine) erns (B10) Vater Table (C2) poss (C8) ible on Aerial Imagery (Card
Depth (inchemarks: DROLOG etland Hydra imary Indicat Surface W High Wate Saturation Water Mari Sediment I Orift Depos Surface So Inundation Water-Stain	Y ology Indicators: tors (minimum of one later (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine iii Cracks (B6) Visible on Aerial Imaned Leaves (B9) tions:	e required; ch e) verine) e) ngery (87)	Salt Crust (I Salt Crust (I Biolic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) ertebrates (ulfide Odor izospheres Reduced I Reduction Surface (C7	B13) r (C1) s along Liv fron (C4) in Tilled S)	ving Roots	Seconda Wate Sedi Drift Drair (C3) Cray Satu	ry Indical er Marks ment Dep Deposits nage Patt Season V fish Burror ration Vis	ors (2 or more required) (B1) (Riverine) posits (B2) (Riverine) (B3) (Riverine) erns (B10) Vater Table (C2) poss (C8) ible on Aerial Imagery (Card
Depth (inchemarks: DROLOG etland Hydre imary Indicat Surface W High Wate Saturation Water Mari Sediment I Drift Depos Surface So Inundation	Y ology Indicators: tors (minimum of one later (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonri id Cracks (B6) Visible on Aerial Ima ned Leaves (B9) tions: Present? Yes	e required; che e) verine) e) agery (87)	neck all that apply Salt Crust (I Biolic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) ertebrates (ulfide Odor izospheres Reduced I Reduction Surface (C7	B13) r (C1) s along Liv fron (C4) in Tilled S ')	ving Roots	Seconda Wate Sedi Drift Drair (C3) Cray Satu	ry Indical er Marks ment Dep Deposits nage Patt Season V fish Burror ration Vis	ors (2 or more required) (B1) (Riverine) posits (B2) (Riverine) (B3) (Riverine) erns (B10) Vater Table (C2) poss (C8) ible on Aerial Imagery (Card
Depth (inchemarks: DROLOG etland Hydre imary Indicat Surface W High Wate Saturation Water Mark Sediment I Orift Depos Surface So Inundation Water-Staineld Observat	Y ology Indicators: tors (minimum of one later (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonri id Cracks (B6) Visible on Aerial Ima ned Leaves (B9) tions: Present? Yes	e required; che e) verine) e) agery (87)	Salt Crust (I Salt Crust (I Biolic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) ertebrates (ulfide Odor izospheres Reduced I Reduction Surface (C7	B13) r (C1) s along Liv fron (C4) in Tilled S ')	ving Roots	Seconda Wate Sedi Drift Drair (C3) Cray Satu	ry Indical er Marks ment Dep Deposits nage Patt Season V fish Burror ration Vis	ors (2 or more required) (B1) (Riverine) posits (B2) (Riverine) (B3) (Riverine) erns (B10) Vater Table (C2) poss (C8) ible on Aerial Imagery (Card
Depth (inchemarks: DROLOG etland Hydre imary Indicat Surface W High Wate Saturation Water Mark Sediment I Orift Depos Surface So Inundation Water-Stain eld Observat rface Water I eter Table Pre- turation Pres	Y ology Indicators: tors (minimum of one later (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine ili Cracks (B6) Visible on Aerial Imaned Leaves (B9) tions: Present? Yes esent? Yes ent? Yes ent? Yes	e required; che verine) e) ugery (87) NoNoNo	Deck all that apply Salt Crust (I Biolic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) ertebrates (ulfide Odor izospheres Reduced I Reduction Surface (C7 in in Rema	B13) r (C1) s along Liv iron (C4) in Tilled S r) arks)	ving Roots Soils (C6)	Seconda Wate Sedi Drift Drair (C3) Dry-S Cray Satu FAC-	ry Indicater Marks ment Deposits nage Patt Season V fish Burro ration Vis ow Aquit Neutral 1	ors (2 or more required) (B1) (Riverine) posits (B2) (Riverine) (B3) (Riverine) erns (B10) Vater Table (C2) poss (C8) ible on Aerial Imagery (Card
Depth (inchemarks: DROLOG etland Hydre imary Indicat Surface W High Wate Saturation Water Mark Sediment I Orift Depos Surface So Inundation Water-Stain eld Observat rface Water I eter Table Pre- turation Pres	y ology Indicators: tors (minimum of one later (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonri idi Cracks (B6) Visible on Aerial Ima ned Leaves (B9) tions: Present? Yes ent? Yes ent? Yes	e required; che verine) e) ugery (87) NoNoNo	Deck all that apply Salt Crust (I Biolic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) ertebrates (ulfide Odor izospheres Reduced I Reduction Surface (C7 in in Rema	B13) r (C1) s along Liv iron (C4) in Tilled S r) arks)	ving Roots Soils (C6)	Seconda Wate Sedi Drift Drair (C3) Dry-S Cray Satu FAC-	ry Indicater Marks ment Deposits nage Patt Season V fish Burro ration Vis ow Aquit Neutral 1	ors (2 or more required) (B1) (Riverine) cosits (B2) (Riverine) (B3) (Riverine) erns (B10) Vater Table (C2) coss (C8) ible on Aerial Imagery (Card (D3) Fest (D5)
Depth (inchemarks: DROLOG etland Hydre imary Indicat Surface W High Wate Saturation Water Mark Sediment I Orift Depos Surface So Inundation Water-Stain etld Observat face Water I eter Table Pre- turation Pres	Y ology Indicators: tors (minimum of one later (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine ili Cracks (B6) Visible on Aerial Imaned Leaves (B9) tions: Present? Yes esent? Yes ent? Yes ent? Yes	e required; che verine) e) ugery (87) NoNoNo	Deck all that apply Salt Crust (I Biolic Crust Aquatic Inve Hydrogen S Oxidized Rh Presence of Recent Iron Thin Muck S Other (Expla	B11) (B12) ertebrates (ulfide Odor izospheres Reduced I Reduction Surface (C7 in in Rema	B13) r (C1) s along Liv iron (C4) in Tilled S r) arks)	ving Roots Soils (C6)	Seconda Wate Sedi Drift Drair (C3) Dry-S Cray Satu FAC-	ry Indicater Marks ment Deposits nage Patt Season V fish Burro ration Vis ow Aquit Neutral 1	ors (2 or more required) (B1) (Riverine) cosits (B2) (Riverine) (B3) (Riverine) erns (B10) Vater Table (C2) coss (C8) ible on Aerial Imagery (Card (D3) Fest (D5)

Project/Site: SNGE TL 637/				
Applicant/Owner: ShipE	-		State: CA	_ Sampling Point: <u>Wしら</u> -f
Investigator(s): N. Centin, M. Mago	Sec Sec	tion Township Ran	ge:	and participation of the state
Landform (hillslope, terrace etc.): Valley	Loc	cal relief (concave co	onvex. none): Conc	Slope (%): 51.
Subregion (LRR):	Lat: 33.	100562	Long: -116.6	72080 Datum: NAGE
Soil Map Unit Name: loany Allucia	al clano	.l	NWI classi	fication: None
Are climatic / hydrologic conditions on the site typical for	this time of year?	Yes No	(If no, explain in	Remarks.)
Are Vegetation 🐰 . Soil 🗶 . or Hydrology 🔀	_ significantly distu	urbed? Are 'N	lormal Circumstances	present? Yes X No
Are Vegetation Soil or Hydrology	_ naturally problem		ded, explain any answ	
SUMMARY OF FINDINGS - Attach site ma	p showing sai			
Hydrophylic Vegetation Present? Yes Hydric Soil Present? Yes Welland Hydrology Present? Yes Remarks:	No X	Is the Sampled A		No <u>`X</u>
VECETATION Has a signal of the				
VEGETATION – Use scientific names of pla	The same and			
Tree Stratum (Plot size: /C'X)D'	Absolute Dor <u>% Cover</u> Spe	ecies? Status	Dominance Test wor	
1 none		Scies: Otatos	Number of Dominant S That Are OBL, FACW,	
2.			mat Ate ODE, 1 ACYV,	(A)
3.			Total Number of Domit Species Across All Stra	
4			species Across Air Str	ata: (B)
Sapling/Shrub Stratum (Plot size: D'X) D')	<u>O'1.</u> = To	otal Cover	Percent of Dominant S That Are OBL, FACW,	or FAC 33.3 (A/B)
1. None				
			Prevalence Index wo	
2				Multiply by:
4				x 1 =
5				x 2 =
	O'/. = To			20 x3 = 60
Herb Stratum (Plot size: 10 X 10)	=10	And the second s		15 x4= 100
1. Hamizonia Fa sculata	40 U	N -	JPL species	x5=
2. Polium pernene	80	IN FAC	column Totals:	5 (A) 100 (B)
3 Bromus Horliacions	25 W	FACL	Prevalence Index	= B/A = 3.5
4 Triticum aestivon	1.		lydrophytic Vegetation	
5 Lotus pusnianus	5	20 -	Dominance Test is	
6 Avena bar hata	5 N	0 -	Prevalence Index is	
7 Hadium murinum	5 N	0 -	Morphological Ada	ptations' (Provide supporting
8				s or on a separale sheet)
Woody Vine Stratum (Plot size 10'X 101)	1011. = Tot	tal Cover	_ Problematic Hydro	phytic Vegetation' (Explain)
1 hone		—— 'i	ndicators of nydric soil e present, unless distu	l and wetland hydrology must urbed or problematic
	<u>Öl.</u> = Tota			The same of the sa
2		_ V	ydrophytic egetation	
% Bare Ground in Herb Stratum 2% Cove	er of Biotic Crust_	()		s No_X

	atrix	Redo	x Features			
(inches) Color (moi		Color (moist)		_Loc ² _ Te:	dure	Remarks
24 10422	12 100 l					
Type: C=Concentration, D=	=Depletion, RM=R	Reduced Matrix CS	=Covered or Coato	d Sand Crains	21 analism DL 7	N
lydric Soil Indicators: (A)	pplicable to all Li	RRs, unless other	vise noted.)		Location: PL=F	Pore Lining, M=Matrix. natic Hydric Soils ³ :
_ Histosol (A1)		Sandy Redo				
_ Histic Epipedon (A2)		Stripped Mat	V 1985		1 cm Muck (A9) (L 2 cm Muck (A10) (I	
Black Histic (A3)			y Mineral (F1)		Reduced Vertic (F1	
Hydrogen Sulfide (A4)			ed Matrix (F2)		Red Parent Materia	
_ Stratified Layers (A5) (L		Depleted Ma	trix (F3)		Other (Explain in R	
_ 1 cm Muck (A9) (LRR D		Redox Dark			and a source (sub-	
_ Depleted Below Dark Su	urface (A11)		k Surface (F7)	4		
 Thick Dark Surface (A12 Sandy Mucky Mineral (S 	2)	Redox Depre	The second secon	³ Indi	cators of hydrophyt	ic vegetation and
Sandy Gleyed Matrix (S4		Vernal Pools	(F9)		elland hydrology mi	
estrictive Layer (if presen				ur	less disturbed or p	roblematic.
						•
		_			7	
Depth (inches):		-		Hydri	c Soil Present?	Yes No X
Depth (inches):e:narks				Hydri	c Soil Present?	Yes No_ <u>X</u>
Depth (inches):emarks:				Hydri	c Soil Present?	Yes No X
Depth (inches):emarks: DROLOGY etland Hydrology Indicate	ors:	book all that and the				
Depth (inches):emarks: DROLOGY etland Hydrology Indicato	ors:					Yes No <u>X</u>
Depth (inches):emarks: DROLOGY etland Hydrology Indicator imary Indicators (minimum _ Surface Water (A1)	ors:	Salt Crust (B				rs (2 or more required)
Depth (inches): emarks: DROLOGY etland Hydrology Indicato imary Indicators (minimum _ Surface Water (A1) _ High Water Table (A2)	ors:	Salt Crust (B Biotic Crust (B12)		Secondary Indicato Water Marks (E Sediment Depo	rs (2 or more required) 31) (Riverine) osits (B2) (Riverine)
Depth (inches): DROLOGY etland Hydrology Indicato imary Indicators (minimum _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3)	ors: of one required; c	Salt Crust (B Biotic Crust (Aquatic Inver	B12) tebrates (B13)		Secondary Indicato Water Marks (E	rs (2 or more required) 31) (Riverine) osits (B2) (Riverine)
Depth (inches): emarks: DROLOGY etland Hydrology Indicate imary Indicators (minimum _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) (Nonri	ors: of one required; c	Salt Crust (B Biotic Crust (Aquatic Inver	B12) tebrates (B13) ilfide Odor (C1)		Secondary Indicato Water Marks (E Sediment Depo Drift Deposits (Drainage Patte	rs (2 or more required) B1) (Riverine) osits (B2) (Riverine) B3) (Riverine) rns (B10)
Depth (inches): emarks: DROLOGY etland Hydrology Indicate imary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonri Sediment Deposits (B2) (ors: of one required; c verine) (Nonriverine)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi	B12) tebrates (B13) Ilfide Odor (C1) zospheres along Li		Secondary Indicato Water Marks (E Sediment Depo	rs (2 or more required) B1) (Riverine) osits (B2) (Riverine) B3) (Riverine) rns (B10)
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Depth (inches):emarks:	ors: of one required; c verine) Nonriverine) liverine)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi Presence of I Recent Iron F	B12) tebrates (B13) lifide Odor (C1) zospheres along Li Reduced Iron (C4) Reduction in Tilled S urface (C7)	ving Roots (C3)	Secondary Indicato Water Marks (E Sediment Depo Drift Deposits (Drainage Patte Dry-Season Water of Crayfish Burrow Saturation Visit	rs (2 or more required) 31) (Riverine) 0sits (B2) (Riverine) B3) (Riverine) rns (B10) aler Table (C2) vs (C8) ole on Aerial Imagery (C9
Depth (inches):emarks:	ors: of one required; c verine) Nonriverine) liverine)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi Presence of I Recent Iron F	B12) tebrates (B13) lifide Odor (C1) zospheres along Li Reduced Iron (C4) Reduction in Tilled S	ving Roots (C3)	Secondary Indicato Water Marks (E Sediment Depo Drift Deposits (Drainage Patte Dry-Season Water of the Crayfish Burrov Saturation Visit	rs (2 or more required) 31) (Riverine) 0sits (B2) (Riverine) B3) (Riverine) rns (B10) aler Table (C2) vs (C8) ole on Aerial Imagery (C9
Depth (inches):emarks:	ors: of one required; c verine) (Nonriverine) iverine) ial Imagery (B7) 9)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi Presence of I Recent Iron F Thin Muck Su Other (Explai	B12) tebrates (B13) Ilfide Odor (C1) zospheres along Li Reduced Iron (C4) Reduction in Tilled S urface (C7) n in Remarks)	ving Roots (C3)	Secondary Indicato Water Marks (E Sediment Depo Drift Deposits (Drainage Patte Dry-Season Water of Crayfish Burrow Saturation Visit	rs (2 or more required) 31) (Riverine) 0sits (B2) (Riverine) B3) (Riverine) rns (B10) aler Table (C2) vs (C8) ole on Aerial Imagery (C9
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Depth (inches): emarks: DROLOGY etland Hydrology Indicate imary Indicators (minimum) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonri Sediment Deposits (B2) (Oprift Deposits (B3) (Nonround Surface Soil Cracks (B6) Inundation Visible on Aeri Water-Stained Leaves (Beld Observations: Inface Water Present? Iter Table Present?	ors: of one required; c verine) (Nonriverine) iverine) ial Imagery (B7) 9) Yes No Yes No Yes No	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su Oxidized Rhi Presence of I Recent Iron F Thin Muck Su Other (Explai	B12) Itebrates (B13) Itebrates (B13) Itebrates (B13) Itebrates (C1) Iterrates along Liver (C4) Reducted Iron (C4) Reduction in Tilled Surface (C7) In in Remarks) Iterrates (C5) Iterrates (C5) Iterrates (C5) Iterrates (C5)	ving Roots (C3)	Secondary Indicato Water Marks (E Sediment Depo Drift Deposits (Drainage Patte Dry-Season Wi Crayfish Burrov Saturation Visit Shallow Aquitan FAC-Neutral Te	rs (2 or more required) B1) (Riverine) B3) (Riverine) B3) (Riverine) rns (B10) ater Table (C2) vs (C8) ble on Aerial Imagery (C9 rd (D3)

Project/Site: SDAETLU371.P		
Applicant/Owner: SDG E		State: <u>CA</u> Sampling Point: <u>WL</u>
Investigator(s): N. Cenvin, m. mazo		
Landform (hillslope, terrace, etc.): 51600	Local relief (concar	ve. convex. none): Convex Slope (%):
Subregion (LRR):	Lat: 33, 101191	Long: -116.1070499 Datum: NA
Soil Map Unit Name: Holland fine Sou	Du loom	NIMI classification: NOV 8
Are climatic / hydrologic conditions on the site typical for	or this time of year? Yes Y	1444 Classification. 1007
As Vagalation \(\frac{1}{2}\) Sail \(\frac{1}{2}\) and below \(\frac{1}{2}\)	in this time of year? Yes N	o (If no, explain in Remarks.)
Are Vegelation		
Are Vegetation Soil or Hydrology	naturally problematic? (I	f needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site m	ap showing sampling poin	it locations, transects, important feature
Hydrophytic Vegetation Present? Yes X	No le the Serve	
Hydric Soil Present?	No.	
	No within a We	tland? Yes _X No
Remarks:		
VEGETATION - Use scientific names of p <u>Tree Stratum</u> (Plot size: <u>lplメリロ・</u>) 1. <u>Non</u> &	Absolute Dominant Indicato	Number of Demiseral Service
2.		
3.		Total Number of Dominant Species Across All Strata:
4		
Sapling/Shrub Stratum (Plot size: \D\X\D\)		Percent of Dominant Species That Are OBL, FACW, or FAC: 50 1.
1. None		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species
4		FACW species
5		FAC species5 x 3 =15
Herb Stratum (Plot size: 101 x 101)	O', = Total Cover	FACU species
	30 Lhs -	UPL species x 5 =
2. Bromus hodeacious)	0 _	- Column Totals: 52 (A) 188
3 Hirsinfeldia incana	FACU FACU	
4 Kumex (rispus) 5 Juneus dubious	D N FACI	
	_ N FACW	
6 Jolium Reviere 7 Bromus Signolyus	S N FAC	
8 Anemopsis actionina		 Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size _\int_1^1 \times _\int_1^1)	80 = Total Cover	X. Problematic Hydrophytic Vegetation (Explain
1 None		Indicators of puddio soil and walls of foods!
2		 Indicators of nydric soil and wetland hydrology me be present, unless disturbed or problematic.
To the second desired	O'/ = Total Cover	Hydrophytic
		, 01 0 0 11 7 11 0
% Bare Ground in Herb Stratum 121. % Co	ver of Biotic CrustO	Vegetation Present? Yes X No

Depth matrix rinches) % Color (moist) % Type Loc. Texture Pemaiks Color (moist) % Type Loc. Texture Pemaiks (moistors for Problematic Pyper Lining, M=Marks Color (moist) % Type Loc. Texture Pemaiks (moistors for Problematic Pyper Pemaiks (Moistors for Pyper Pemaiks (Moistors for Problematic Pyper Pyp	Donth	cription. (Describe	to the depi	th needed to docum	nent the indicate	or or confirm	n the absence	of indicator	rs.)
IDYR 3 IDD IDYR 3 IDD IDYR 3 IDYR 4 IDYR 3 IDYR 4 IDYR 5			2/						
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, GS Histosci (A1) Histosci (A2) Histosci (A3) Histosci (A4) Histosci (A3) Histosci (A3) Histosci (A3) Histosci (A4) Histosci (A3) Histosci (A4) Histosci (A3) Histosci (A3) Histosci (A4) Histos	1			Color (moist)	%Type	Loc'	Texture		Remarks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Grains Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon (CRC) To mMatrix, CS=Covered Matrix, CS=Covered or Coaled Sand Grains To calidon: PL=Pore Lining, M=Matrix, CS=Covered or Coaled Sand Grains To calidon (CRC) To c				10			Sandy.	loan	and the second s
Type: C=Concentration. D=Depletion RM=Reduced Matrix. CS=Covered or Coated Sand Grains 1- Notice Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A1) Histosol (A2) Black Histic (A3) Sandy Redox (S5) Black Histic (A3) Statified Layers (A5) Statified Layers (A5) Statified Layers (A5) Communication (CHR D) A Redox Dark Surface (F1) Trick Dark Surface (A11) Sandy Mucky Mineral (F1) Redox Dark Surface (F7) Trick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (C4) Wetland Hydrology Indicators: Primary Indicators minimum of one required: check sill that apply 1 Secondary Indicators (CT) High Water Table (A2) Solider Marks (B1) (Nonriverine) Drift Deposits (B3)	12	1018311	901.	2.5 YR5/8	101, Rm	m	Sandy	Doan	
Histosol (A1) Sandy (A2) Sandy Redox (S5) 1 m Muck (A9) (LRR C) Histic Epipedon (A2) Singped Matrix (S6) 2 cm Muck (A10) (LRR B) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F3) Reduced Vertic (F18) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) Loamy Gleyed Matrix (F3) Other (Explain in Remarks) Torn Muck (A9) (LRR D) Reduced Vertic (F18) Red Parent Material (TF2) Thick Dark Surface (A11) Depleted Dark Surface (F6) Depleted Blew Dark Surface (A12) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Vernal Pools (F9) Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic. Restrictive Layer (if present): Type: Depth (inches) HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) Salt Crust (B11) Water Marks (B1) (Riverine) Surface Water (A3) Salt Crust (B12) Sediment Deposits (B2) (Riverine) Water Marks (B1) (Nonriverine) Aquatic Invertebrates (B13) Dirit Deposits (B2) (Riverine) Water Marks (B1) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) X Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soli Cracks (B6) Recent Imagery (B7) Thin Muck Surface (C7) Salt water Table (C2) Mater Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches) Fac-Neutral Test (D5)							J		
Histosol (A1) Sandy Replicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) 1 mMuck (A9) (LRR C) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F2) Reduced Vertic (F18) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain in Remarks) Loamy Gleyed Matrix (F3) Other (Explain in Remarks) Loamy Gleyed Matrix (F3) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Dark Surface (F6) Depleted Below Dark Surface (A12) Redox Dark Surface (F7) Thick Dark Surface (A12) Persent): Type: Depleted Matrix (F3) Other (Explain in Remarks) HYDROLOGY Hydric Soil Present? Yes No Secondary Indicators (2 or more required: check all that apply) Secondary Indicators (2 or more required: check all that apply) Secondary Indicators (2 or more required: check all that apply) Surface Water (A1) Salt Crust (B12) Sediment Deposits (B2) (Riverine) Surface Water (A3) Aquatic Invertebrates (B13) Dirit Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Dirit Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Recent Inverted (C7) Salt Crust (D5) History Water Marks (B6) Recent Inverted (C7) Salt Dirit Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks) Water Table (P2) Salt Crust (D5) FAC-Neutral Test (D5)									
Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) 1 cm Muck (A9) (LRR C) Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Redox Cark Surface (A11) Depleted Below Dark Surface (A12) Depleted Dark Surface (F6) Depleted Below Dark Surface (A12) Persents (S1) Sandy Mucky Mineral (S1) Vernal Pools (F9) Vernal Pools (F9) Vernal Pools (F9) Restrictive Layer (if present): Type: Depth (inches): Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) Surface (A2) Biolic Crust (B12) Saturation (A3) Water Marks (B1) (Nonriverine) Saturation (A3) Aquatic Invertebrates (B13) Dirit Deposits (B2) (Riverine) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Surface Soil Cracks (B6) Recent Imagery (B7) Water Soil Cracks (B9) Other (Explain in Remarks) Indicators for Problematic Hydric Soils Feedured (F1) Reduced Vertic (F18) Reduced Vertic (F2) Secondary Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic. Hydric Soil Present? Yes No Depth (inches) Water Marks (B1) (Nonriverine) Secondary Indicators (I or more required to the problematic Hydrogen Surface (P1) Water Marks (B1) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Drift Deposits (B3) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Other (Explain in Remarks) FAC-N									-
Histosal (A1) Sandy Redox (S5) Indicators for Problematic Hydric Solis Histosal (A2) Sandy Redox (S5) Indicators for Problematic Hydric Solis Histosal (A3) Solipped Matrix (S6) Indicators for Problematic Hydric Solis Black Histic (A3) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F2) Redox Cartic (F18) Red Parent Material (TF2) I crim Muck (A9) (LRR D) Redox Dark Surface (F2) Depleted Matrix (F2) Other (Explain in Remarks) I crim Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A12) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Problematic (F19) Sandy Mucky Mineral (S1) Vernal Pools (F9) Present: Unless disturbed or problematic. Restrictive Layer (if present): Type: Depth (inches) Present: Perimary Indicators (minimum of one required: check all that apply) Surface Water (A1) Salt Crust (B12) Salt (B11) Water Table (A2) Biotic Crust (B12) Salt (B14) Dirit Deposits (B2) (Riverine) Saturation (A3) Aquatic Invertebrates (B13) Dirit Deposits (B2) (Riverine) Surface Water Soli (Carcks (B6) Recent of Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soli Cracks (B6) Recent In Muck Surface (C7) Salt (B16) Salt (B16) Salt (B16) Aguater Table (C2) Salt (B16) Salt (B16) Aguater Table (A2) Salt (B16) Salt			-						
Histosia (A1) Sandy Redox (S5) — 1 cm Muck (A9) (LRR C) Black Histos (A3) — Loamy Mucky Mineral (F1) — Reduced Vertic (F18) Histos (A4) — Loamy Mucky Mineral (F1) — Reduced Vertic (F18) Hydrogen Sulfide (A4) — Loamy Mucky Mineral (F1) — Reduced Vertic (F18) Hydrogen Sulfide (A4) — Loamy Mucky Mineral (F2) — Reduced Vertic (F18) Loamy Mucky Mineral (F2) — Reduced Vertic (F18) Hydrogen Sulfide Layers (A5) (LRR C) — Depleted Matrix (F3) — Other (Explain in Remarks) Loamy Mucky Mineral (F2) — Redox Dark Surface (F6) — Depleted Below Dark Surface (A12) — Redox Dark Surface (F7) Thick Dark Surface (A12) — Redox Depressions (F8) — Vernal Pools (F9) — Vernal	-					-			and the second
Histosia (A1)									
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Stripped Matrix (S6)				Sandy Redox	k (S5)				
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	Restrictive L Type: Depth (inci Remarks: HYDROLOG Wetland Hydi Primary Indica Surface W High Wate Saturation Water Mai Sediment Drift Depo	Aleyed Matrix (S4) Ayer (if present): Thes): Thes): Thesis (Minimum of one vater (A1) The Table (A2) The Table (A2) The Table (A3) The Table (B1) (Nonrivering Deposits (B2) (Nonrivering sits (B3) (Nonriv	e required: c	heck all that apply) Salt Crust (Bacteria) Biotic Crust (Bacteria) Aquatic Invert Hydrogen Sul Oxidized Rhiz	B12) tebrates (B13) lfide Odor (C1) cospheres along L Reduced Iron (C4)		Hydric Soil P Seconda Wate Sedi Drift Drain (C3) Dry-	resent? Y	s (2 or more required) (Riverine) sits (B2) (Riverine) as (B10) er Table (C2)
	Restrictive L Type: Depth (inci Remarks: HYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mai Sediment Drift Depo Surface S	leyed Matrix (S4) ayer (if present): hes): hes): hes): lor rology Indicators: lors (minimum of one vater (A1) er Table (A2) n (A3) rks (B1) (Nonriverine Deposits (B2) (Nonriverine sits (B3) (Nonriverine oil Cracks (B6)	e required; c e) iverine) ie)	heck all that apply) Salt Crust (Bacteria) Biotic Crust (Bacteria) Aquatic Invert Hydrogen Sul Oxidized Rhiz	B12) tebrates (B13) lfide Odor (C1) cospheres along L Reduced Iron (C4)		Hydric Soil P Seconda Wate Sedi Drain (C3) Dry-	resent? Y resent. Y	s (2 or more required) (Riverine)
Field Observations: Surface Water Present? Yes No Depth (inches) Water Table Present? Yes No Depth (inches)	Restrictive L Type: Depth (inci Remarks: HYDROLOG Wetland Hydro Primary Indica Surface W High Wate Saturation Water Mai Sediment Drift Depo Surface Si Inundation	leyed Matrix (S4) ayer (if present): hes): hes): rology Indicators: stors (minimum of one Vater (A1) er Table (A2) n (A3) rks (B1) (Nonriverine Deposits (B2) (Nonri sits (B3) (Nonriverine oil Cracks (B6) n Visible on Aerial Ima	e required; c e) iverine) ie)	heck all that apply) Salt Crust (Bi Biotic Crust (I Aquatic Invert Hydrogen Sul Oxidized Rhiz X Presence of R Recent Iron R Thin Muck Su	B12) tebrates (B13) lide Odor (C1) cospheres along L Reduced Iron (C4) teduction in Tilled rface (C7)		Wate Secondary S	resent? Y resent. Y	s (2 or more required) (Riverine) sits (B2) (Riverine) sits (B10) er Table (C2) s (C8) e on Aerial Imagery
Water Table Present? Yes No Depth (inches)	Restrictive L Type: Depth (inci Remarks: HYDROLOG Wetland Hydromary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depo Surface Si Inundation Water-Sta	leyed Matrix (S4) ayer (if present): hes): hes): hes): rology Indicators: ators (minimum of one vater (A1) er Table (A2) n (A3) rks (B1) (Nonriverine peposits (B2) (Nonriverine sits (B3) (Nonriverine oil Cracks (B6) n Visible on Aerial Ima ined Leaves (B9)	e required; c e) iverine) ie)	heck all that apply) Salt Crust (Bi Biotic Crust (I Aquatic Invert Hydrogen Sul Oxidized Rhiz X Presence of R Recent Iron R Thin Muck Su	B12) tebrates (B13) lide Odor (C1) cospheres along L Reduced Iron (C4) teduction in Tilled rface (C7)		Seconda Wate Sedi CC3) Cray Satu Shall	resent? Y resent. Y	S (2 or more required) (Riverine)
Ho Deptit (inches)	Restrictive L Type: Depth (incl Remarks: HYDROLOG Wetland Hydi Primary Indica Surface W High Wate Saturation Water Mai Sediment Drift Depo Surface Si Inundation Water-Sta Field Observa	deyed Matrix (S4) ayer (if present): hes): hes): tors (minimum of one of the original of th	e required: c e) iverine) ie) agery (B7)	heck all that apply) Salt Crust (Barrell English Crust (Barrell English Engli	B12) tebrates (B13) lfide Odor (C1) cospheres along L Reduced Iron (C4) teduction in Tilled rface (C7) n in Remarks)	Soils (C6)	Seconda Wate Sedi CC3) Cray Satu Shall	resent? Y resent. Y	S (2 or more required) (Riverine)
	Restrictive L Type: Depth (inci Remarks: HYDROLOG Wetland Hydi Primary Indica Surface W High Wate Saturation Water Mai Sediment Drift Depo Surface Si Inundation Water-Sta Field Observa Surface Water	leyed Matrix (S4) ayer (if present): hes): hes): rology Indicators: stors (minimum of one Vater (A1) er Table (A2) n (A3) n (A3) n (A3) (Nonriverine Deposits (B2) (Nonriverine sits (B3) (Nonriverine oil Cracks (B6) n Visible on Aerial Ima ined Leaves (B9) stions: Present? Yes	e required; c e) iverine) ie) agery (B7)	heck all that apply) Salt Crust (Back all Crust a	B12) tebrates (B13) lfide Odor (C1) cospheres along L Reduced Iron (C4) teduction in Tilled rface (C7) n in Remarks)	Soils (C6)	Seconda Wate Sedi Drift Drain (C3) Cray Satu Shall	resent? Y resent. Y	S (2 or more required) (Riverine)
Saturation Present? Yes No Depth (inches)	Restrictive L Type: Depth (inci Remarks: HYDROLOG Wetland Hydi Primary Indica Surface W High Water Male Sediment Drift Depo Surface Sediment Drift Depo Surface Sediment Water-Sta Field Observa Surface Water Water Table Primary Types	leyed Matrix (S4) ayer (if present): hes): hes): hes): logy Indicators: stors (minimum of one vater (A1) er Table (A2) n (A3) rks (B1) (Nonriverine Deposits (B2) (Nonriverine sits (B3) (Nonriverine oil Cracks (B6) n Visible on Aerial Ima ined Leaves (B9) stions: Present? Yes	e required; c e) iverine) ie) agery (B7)	heck all that apply) Salt Crust (B: Biotic Crust (E: Aquatic Invert Hydrogen Sul Oxidized Rhiz X Presence of R Recent Iron R Thin Muck Sur Other (Explain	B12) tebrates (B13) lfide Odor (C1) cospheres along L Reduced Iron (C4) teduction in Tilled rface (C7) in in Remarks) s).	Soils (C6)	Seconda Wate Sedi Drift Drain (C3) Cray Satu Shall	resent? Y resent. Y	S (2 or more required) (Riverine)
(miclodes capitally fillide)	Restrictive L Type: Depth (inci Remarks: HYDROLOG Wetland Hydi Primary Indica Surface W High Wate Saturation Water Mai Sediment Drift Depo Surface Si Inundation Water-Sta Field Observa Surface Water Water Table Pr Saturation Pres	deyed Matrix (S4) ayer (if present): hes): hes): rology Indicators: stors (minimum of one vater (A1) er Table (A2) n (A3) n (A3) n (Ka) (Nonriverine sits (B3) (Nonriverine sits (B3	e required; c e) iverine) ie) agery (B7)	heck all that apply) Salt Crust (B: Biotic Crust (E: Aquatic Invert Hydrogen Sul Oxidized Rhiz X Presence of R Recent Iron R Thin Muck Sur Other (Explain	B12) tebrates (B13) lfide Odor (C1) cospheres along L Reduced Iron (C4) teduction in Tilled rface (C7) in in Remarks) s).	Soils (C6)	unless disi Hydric Soil P Seconda Wate Sedi Drait Drait Cray Satu Shall FAC	resent? Y resent. Y	s (2 or more required) (Riverine)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available	Restrictive L Type: Depth (incl Remarks: HYDROLOG Wetland Hydi Primary Indica Surface W High Water Saturation Water Mai Sediment Drift Depo Surface Si Inundation Water-Sta Field Observa Surface Water Water Table Pr Saturation Press (includes capill	leyed Matrix (S4) ayer (if present): hes): hes)	e required; c e) iverine) ie) agery (B7)	heck all that apply) Salt Crust (Bi Biotic Crust (I Aquatic Invert Hydrogen Sul Oxidized Rhiz X Presence of R Recent Iron R Thin Muck Sul Other (Explain Depth (inches	B12) tebrates (B13) Ifide Odor (C1) cospheres along L Reduced Iron (C4) deduction in Tilled rface (C7) in in Remarks) s)	Soils (C6)	unless disi Hydric Soil P Seconda Wate Sedi Drift Drain (C3) Dry- Cray Satu Shall FAC	resent? Y resent. Y	s (2 or more required) (Riverine)

WETLAND DET	RMINATION	DATA FORM	- Arid West	Region	1	_	
Project/Site: \$ NOE TL 1037/ P150	City	County Rame	in the	diego	Campling	Date: 15	-113111
Applicant/Owner SSUE	Only.	Active Medice	State:	CA	Sampling	Point: 1	0 9-0
investigator(s) N. Cenvin, M. Mazon	Sac	tion Township Pr	Otale		Sampling	FOILI. CC	
andform (hillstone terrace etc.): \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Sec	al selief (see see	ange	wet dis		0	
andform (hillslope, terrace etc.):	7.3	S Io I : 2 -	convex. none):	100	naue	Slope (%):
Sail Man Hait Name / 12 1) and Pilan On	Lat:	1,1012605	Long 1	10, le +0	055.5	_ Datum: _	NADE
Soil Map Unit Name: Holland Fine Sar	ay coas	<u>n</u>	NV	VI classific	ation:	rone	
Are climatic / hydrologic conditions on the site typical for the	is time of year?	YesX No_	(If no, e:	xplain in R	emarks.)		
re VegelationX, SoilX, or HydrologyX	significantly distu	irbed? Are	*Normal Circum	stances p	resent? Y	es X	No
Are Vegetation Soil, or Hydrology	naturally problem	natic? (If ne	eeded, explain a	iny answei	rs in Rema	rks.)	
SUMMARY OF FINDINGS - Attach site map	showing sai	mpling point I	ocations, tra	ansects	, importa	ant featu	res, etc
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes X 1 Yes X 1	lo	Is the Sampled within a Wetlan		Yes <u>X</u>	No _		
EGETATION – Use scientific names of plan <u>Tree Stratum</u> (Plot size: <u>1 D 'X) D (</u>) 1. <u>ハゥ</u> へと	Absolute Dor	minant Indicator	Dominance T	minant Sp	ecies	-	
2.			That Are OBL	, FACW, o	rFAC: _		(A)
3.			Total Number			1	15:
4			Species Acros	is All Strati	a: _		(B)
2-1-12-12-12-12-12-12-12-12-12-12-12-12-	0' J. = To	tal Cover	Percent of Dor That Are OBL.	minant Spe	ecies	100	(A/B)
Sapling/Shrub Stratum (Plot size: IU'X 10)							_ (/////
			Prevalence In		= (+=)=,++		
).	· ·		Total % C			Multiply by:	
			OBL species FACW species				
			FAC species				
	0 1. = To	tal Cover	FACU species	17			
Herb Stratum (Plot size: 10'X 0')			UPL species				_
Ambrosia Psilostachya	-5 N		Column Totals				(B)
Rumer Chispus	15 NI			0.000	Canada S	17	
Lolium perrene		S FAC				2.7	
Hemizonia Fasciculata		10 -	Hydrophytic V			s:	
		10 _	X Prevalence				
Hirshfeedia Incara	1'1, N		The state of the s			ovide supp	ndine
THE PAIR PROPER			data in	Remarks (or on a sep	arate shee	t)
hadustan time and to tall	871. = Tot	al Cover	Problemati	ic Hydroph	ytic Veget	ation' (Exp	lain)
Voody Vine Stratum (Plot size 10'X 10')			Neutron			. 7 . 7	
_ No ne			Indicators of no be present, unli				must
	<u>01.</u> = Tota	al Cover	Hydrophytic				
Bare Ground in Herb Stratum 131. % Cover	of Biotic Crust		Vegetation				
Date Caroling in Hern Stratum 1.7 1. 3/ Course				Yes		10	

. Tours Des	scription: (Describe I	to the depth	needed to docur	nent the	indicator	or confirm	the absence of ind	Sampling Point: WLG
Depth	Matrix			x Feature		0. 00	the absence of mo	icators.)
(inches)	Color (moist)		Color (moist)	_%	Type	_Loc2	Texture	Remarks
-	10 YR 3/3						Sandylo	~ W
- 6	104R31	90	2.5 YR574	6%	Rm	m	Sandyl	M
							arrige.	W. M.
				_				
-								
	-							
	-							
								1 1000
'Type: C=C	Concentration, D=Deple	tion RM=Re	duced Matrix CS				2	
Hydric Soil	Indicators: (Applica	ble to all LRF	Rs. unless other	vise note	or Coate	d Sand Grai		PL=Pore Lining, M=Matrix
Histosol			Sandy Redox		u.,			blematic Hydric Soils ³ :
	pipedon (A2)		Stripped Mat	1 1 3 L 1 2 2 3 1			1 cm Muck (A 2 cm Muck (A	
The state of the s	istic (A3)		Loamy Muck		(F1)		Reduced Verti	
	en Sulfide (A4)		Loamy Gleye	d Matrix (F2)		Red Parent M	
	d Layers (A5) (LRR C)		Depleted Ma				Other (Explain	
	uck (A9) (LRR D) d Below Dark Surface	/A11)	Redox Dark					
Thick Da	ark Surface (A12)	(ATT)	Depleted Dar Redox Depre					200.00.00.00
	Mucky Mineral (S1)		Vernal Pools	(FQ)	3)			phytic vegetation and
	Gleyed Matrix (S4)			(1 3)			unless disturbed	gy must be present.
Restrictive L	Layer (if present):						dilicas distarbed	or problematic.
Type:								
,,,,,								V
	ches):						Hydric Soil Presen	YAS X NO
	ches):						Hydric Soil Presen	?? Yes_ <u>X</u> No
Depth (inc Remarks:	GY						Hydric Soil Presen	7 Yes <u>X</u> No _
Depth (inc Remarks: HYDROLOG Wetland Hyd	GY drology Indicators:	(aquired: ab-						
Depth (inc Remarks: HYDROLOG Wetland Hyd Primary Indica	GY drology Indicators: alors (minimum of one	required: che						icators (2 or more required
Depth (inc Remarks: HYDROLOG Wetland Hyd Primary Indica Surface V	GY drology Indicators: alors (minimum of one Water (A1)	required; che	Salt Crust (B				Secondary Ind	icators (2 or more required ks (B1) (Riverine)
Depth (income Remarks: HYDROLOG Wetland Hyd Primary Indicate Surface V High Wat	GY drology Indicators: alors (minimum of one Water (A1) ter Table (A2)	required: che	Salt Crust (B Biotic Crust (B12)			Secondary Ind Water Mar Sediment	icators (2 or more required ks (B1) (Riverine) Deposits (B2) (Riverine)
Depth (inconstruction Remarks: HYDROLOG Wetland Hyd Primary Indication Surface V High Wattand Saturation	GY drology Indicators: ators (minimum of one Water (A1) ter Table (A2) in (A3)		Salt Crust (B Biotic Crust (Aquatic Inver	B12) tebrates (Secondary Ind Water Mar Sediment Drift Depo	icators (2 or more required ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine)
Depth (inconstruction Remarks: HYDROLOG Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma	GY drology Indicators: alors (minimum of one Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su	B12) tebrates (Ifide Odor	(C1)		Secondary Ind Water Mar Sediment Drift Depor	icators (2 or more required ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10)
Depth (inconstruction of the construction of t	GY drology Indicators: alors (minimum of one Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine t Deposits (B2) (Nonri) verine)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su K Oxidized Rhi	B12) tebrates (Ifide Odor zospheres	(C1) along Liv		Secondary Ind Water Mai Sediment Drift Depoi Drainage R	icators (2 or more required ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) n Water Table (C2)
Depth (inconstruction) Remarks: HYDROLOG Wetland Hyd Primary Indica Surface V High Wat Saturation Water Mat Sediment Drift Depo	GY drology Indicators: alors (minimum of one Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine t Deposits (B2) (Nonrive) verine)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su X Oxidized Rhi; X Presence of I	B12) tebrates (Ifide Odor zospheres Reduced I	(C1) along Liv ron (C4)	ving Roots (Secondary Ind Water Mar Sediment Drift Depor Drainage F C3) Crayfish B	icators (2 or more required ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) n Water Table (C2) urrows (C8)
Depth (incomplete in the complete in the compl	GY drology Indicators: alors (minimum of one Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine t Deposits (B2) (Nonriverine Soil Cracks (B6)) verine) e)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su X Oxidized Rhi; X Presence of B Recent Iron F	B12) tebrates (Ifide Odor zospheres Reduced I Reduction	(C1) along Liv ron (C4) in Tilled S	ving Roots (Secondary Ind Water Mar Sediment Drift Depo Drainage F C3) Dry-Seaso Crayfish B Saturation	icators (2 or more required ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) n Water Table (C2) urrows (C8) Visible on Aerial Imagery
Depth (inconservation) Remarks: HYDROLOG Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo	GY drology Indicators: alors (minimum of one Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine t Deposits (B2) (Nonrive) verine, e) gery (B7)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su X Oxidized Rhi; X Presence of F Recent Iron F	B12) tebrates (lfide Odor zospheres Reduced I Reduction urface (C7	(C1) along Liv ron (C4) in Tilled S)	ving Roots (Secondary Ind Water Man Sediment Drift Depo Drainage R C3) Dry-Seaso Crayfish B Saturation Shallow Ac	icators (2 or more required ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) n Water Table (C2) urrows (C8) Visible on Aerial Imagery quitard (D3)
Depth (incomplete Remarks: HYDROLOG Wetland Hyd Primary Indication Surface V High Water Mater Mat	GY drology Indicators: ators (minimum of one) Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine) Soil Cracks (B6) in Visible on Aerial Imalained Leaves (B9)) verine, e) gery (B7)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su X Oxidized Rhi; X Presence of B Recent Iron F	B12) tebrates (lfide Odor zospheres Reduced I Reduction urface (C7	(C1) along Liv ron (C4) in Tilled S)	ving Roots (Secondary Ind Water Mar Sediment Drift Depo Drainage F C3) Dry-Seaso Crayfish B Saturation	icators (2 or more required ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) n Water Table (C2) urrows (C8) Visible on Aerial Imagery quitard (D3)
Depth (incomplete in the complete in the compl	GY drology Indicators: alors (minimum of one) Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine) t Deposits (B2) (Nonriverine) soils (B3) (Nonriverine) Goil Cracks (B6) in Visible on Aerial Imalained Leaves (B9) ations:) verine) e) gery (87)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su X Oxidized Rhi; X Presence of B Recent Iron R Thin Muck Su Other (Explain	B12) tebrates (Ifide Odor zospheres Reduced I Reduction urface (C7 n in Rema	(C1) I along Liveron (C4) In Tilled S Interpretation (C5)	ving Roots (Secondary Ind Water Man Sediment Drift Depo Drainage R C3) Dry-Seaso Crayfish B Saturation Shallow Ac	icators (2 or more required ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) n Water Table (C2) urrows (C8) Visible on Aerial Imagery quitard (D3)
Depth (incomplete in the complete in the compl	GY drology Indicators: alors (minimum of one Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine t Deposits (B2) (Nonrive osits (B3) (Nonriverine Soil Cracks (B6) in Visible on Aerial Ima ained Leaves (B9) ations: r Present? Yes) verine) e) gery (B7)	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su X Oxidized Rhiz X Presence of B Recent Iron F Thin Muck Su Other (Explain	B12) tebrates (lfide Odor zospheres Reduced I Reduction urface (C7 n in Rema	(C1) i along Liv ron (C4) in Tilled S) irks)	ving Roots (Secondary Ind Water Man Sediment Drift Depo Drainage R C3) Dry-Seaso Crayfish B Saturation Shallow Ac	icators (2 or more required ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) n Water Table (C2) urrows (C8) Visible on Aerial Imagery quitard (D3)
Depth (inconservation) Remarks: HYDROLOG Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Surface S Inundation Water-Stat Field Observation	GY drology Indicators: alors (minimum of one Water (A1) ter Table (A2) in (A3) arks (B1) (Nonriverine t Deposits (B2) (Nonriverine Soil Cracks (B6) in Visible on Aerial Ima ained Leaves (B9) ations: r Present? Yes) verine; e) gery (B7) No	Salt Crust (B Biotic Crust (Aquatic Inver Hydrogen Su X Oxidized Rhi; X Presence of B Recent Iron R Thin Muck Su Other (Explain	B12) tebrates (Ifide Odor zospheres Reduced I Reduction urface (C7 n in Rema	(C1) is along Liveron (C4) in Tilled Selection (C4) in Tilled Selection (C4)	ving Roots (i	Secondary Ind Water Mar Sediment Drift Depor Drainage F C3) Crayfish B Saturation Shallow Ac FAC-Neutr	icators (2 or more required ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) n Water Table (C2) urrows (C8) Visible on Aerial Imagery quitard (D3)

Remarks

Project/Site: SNGE TI 1037/ P	1501 cm	Cause Rama	ona lan Diego Sampling Date 7/13/11
Applicant/Owner SOME	City	reduity - County	State: Sampling Point:
Investigator(s): N. Cenin, M. Ma	2.0 0.40	tion Township D	State Sampling Point
Landform (hillslone terrace etc.)	3071 300	alon, Township R	ange:
Subregion (LRR):	Loc	cal relief (concave	convex. none): Concay s Slope (%): 51
Soil Man Unit Manage Man Man Andrews Man	Lat: _33	, 101317	Long: -116.670658 Datum: NAD
Soil Map Unit Name: Holland Fine S	andy lo	am	NWI classification: //one
Are climatic / hydrologic conditions on the site typical for	this time of year?		
Are Vegetation			*Normal Circumstances* present? Yes X No
Are Vegelation Soil or Hydrology	- Carlotte Carlotte		eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	p showing sai	mpling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes 💢	No	In the Complet	A A a a a
Hydric Soil Present? Yes		Is the Sampled within a Wetla	
Wetland Hydrology Present? Yes	No X	Within a Wetla	ildr fesNo/_
Remarks:			
VEGETATION – Use scientific names of pl			
VEGETATION - Ose scientific names of pi		minant Indicator	I Destruction
Tree Stratum (Plot size: 10 X 10 1	% Cover Spe		Dominance Test worksheet:
1. none			Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2.			
3			Total Number of Dominant Species Across All Strata: (B)
4			
1-7	0'1. = To	otal Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:
Sapling/Shrub Stratum (Plot size: [0' x 10')			THE OBE, TAOW, GIFAC. TOPY (A/B)
1. None			Prevalence Index worksheet:
2			Total % Cover of: Multiply by:
3			OBL species x 1 =
4			FACW species x 2 = 2
5			FAC species $30 \times 3 = 100$
Herb Stratum (Plot size. 10' X 1 D')	<u>O'1.</u> = To	tal Cover	FACU species x 4 =(0 ()
1 Ambrosia Acanthicarpa	15	_	UPL species x 5 =
2 Bromus hadeacious		FACU	Column Totals: 55 (A) 122 (B)
3 Wyethia amplexicalili	5 75	THU	Prevalence Index = B/A = 2.2
4 Juneus dubious	1'1	FACW	Hydrophytic Vegetation Indicators:
5 . loilium pereini	30000 11	es FAC	Dominance Test is >50%
6 Avena barbata	5"	- 17.0	Prevalence Index is ≤3.0'
Hadium murinum	51.		Morphological Adaptations' (Provide supporting
8	717.		data in Remarks or on a separate sheet)
	0' 1. = Tot	al Cover	Problematic Hydrophytic Vegetation' (Explain)
Woody Vine Stratum (Plot size ID'X ID')			
1 none			Indicators of nydric soil and wetland hydrology must be present, unless disturbed or problematic.
2			
40	= Tot	al Cover	Hydrophytic
% Bare Ground in Herb Stratum % Cov	er of Biotic Crust	0	Vegetation Present? Yes X No
Remarks			

Depth Matrix	Redox Features	confirm the absence o	
(inches) Color (moist) %		_oc² _ Texture	Remarks
16 109R 3/3 1001.			
Type: C=Concentration. D=Depletion, RM	=Reduced Matrix, CS=Covered or Coated S	and Grains. ² Local	ion: PL=Pore Lining. M=Matrix.
lydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)		r Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Redox (S5)		ck (A9) (LRR C)
Histic Epipedon (A2)	Stripped Matrix (S6)		ck (A10) (LRR B)
Black Histic (A3) Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1)		Vertic (F18)
Stratified Layers (A5) (LRR C)	Loamy Gleyed Matrix (F2)		nt Material (TF2)
_ 1 cm Muck (A9) (LRR D)	Depleted Matrix (F3) Redox Dark Surface (F6)	Other (Ex	plain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Dark Surface (F7)		
_ Thick Dark Surface (A12)	Redox Depressions (F8)	3Indicators of	hydrophytic vegetation and
_ Sandy Mucky Mineral (S1)	Vernal Pools (F9)	wetland hyd	frology must be present.
_ Sandy Gleyed Matrix (S4)			rbed or problematic.
estrictive Layer (if present):			
Туре:			
Type: Depth (inches):	=	Hydric Soil Pr	esent? Yes No X
Type: Depth (inches):	_	Hydric Soil Pr	esent? Yes No X
Type: Depth (inches): emarks: TDROLOGY		Hydric Soil Pro	esent? Yes No X
Type: Depth (inches): emarks: DROLOGY etland Hydrology Indicators:		Hydric Soil Pro	esent? Yes No X
Type: Depth (inches): emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required:			esent? Yes No X
Type: Depth (inches): emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required: _ Surface Water (A1)	Salt Crust (B11)	Secondar	
Type: Depth (inches): emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required: Surface Water (A1) _ High Water Table (A2)	Salt Crust (B11) Biolic Crust (B12)	Secondar — Wate — Sedir	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine)
Type: Depth (inches): emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required: _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3)	Salt Crust (B11) Biolic Crust (B12) Aquatic Invertebrates (B13)	Secondar — Wate — Sedir	y Indicators (2 or more required) r Marks (B1) (Riverine)
Type: Depth (inches): emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required: _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) (Nonriverine)	Salt Crust (B11) Biolic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondar — Wate — Sedir — Drift (y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10)
Type: Depth (inches): emarks: DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required; _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) (Nonriverine) _ Sediment Deposits (B2) (Nonriverine)	Salt Crust (B11) Biolic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living	Secondar 	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2)
Type:	Salt Crust (B11) Biolic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4)	Secondar Wate Sedir Drift (Drain Roots (C3) Dry-S	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8)
Type: Depth (inches): emarks: [DROLOGY etland Hydrology Indicators: imary Indicators (minimum of one required: _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) (Nonriverine) _ Sediment Deposits (B2) (Nonriverine) _ Drift Deposits (B3) (Nonriverine) _ Surface Soil Cracks (B6)	 Salt Crust (B11) Biolic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils 	Secondar Wate Sedir Drift (Drain Roots (C3) Dry-S Crayf	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9
Type:	 Salt Crust (B11) Biolic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) 	Secondar 	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9
Type: Depth (inches): emarks: [DROLOGY [etland Hydrology Indicators: imary Indicators (minimum of one required: Surface Water (A1)	 Salt Crust (B11) Biolic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils 	Secondar 	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9
Type:	Salt Crust (B11) Biolic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Secondar 	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9
Type:	Salt Crust (B11) Biolic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks)	Secondar 	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9
Type:	Salt Crust (B11) Biolic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) o X Depth (inches) o X Depth (inches) v	Secondar Wate Sedir Drift (Crayf (C6) Satur FAC-I	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9
Type:	Salt Crust (B11) Biolic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) oX Depth (inches)	Secondar Wate Sedir Drift (Crayf (C6) Satur FAC-I	y Indicators (2 or more required) r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imagery (C9 ow Aquitard (D3) Neutral Test (D5)

Project/Site: SAGE TL 637/ PLE	City/	County Ram	onal CA s	Sampling Date: 7113111
Applicant/Owner Sho E			State: CA S	Sampling Point: WL9-PL
Investigator(s): N), Cenin, M.Mazo	√ Sec	tion Township Rai	nge:	
Landform (hillslope, terrace etc.):	Loc	al relief (concave	convex, none): (b) (a	ue_Slope (%): 5 1.
Subregion (LRR):	Lat: 32	1011310	1000 -116.1070 10	Pa Datum: NAD83
Soil Map Unit Name: Holland fine &				
Are climatic / hydrologic conditions on the site typical for t				
Are Vegelation, Soil, or Hydrology				
Are Vegetation Soil or Hydrology	naturally problem	natic? (If ne	eded, explain any answers	in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	showing sa	mpling point le	ocations, transects, i	mportant features, etc.
Hydrophytic Vegetation Present? Yes X		Is the Sampled	Area	
Hydric Soil Present? Yes X		within a Wetlar		_ No
Wetland Hydrology Present? Yes	No			
Remarks:				
VEGETATION – Use scientific names of pla	ints.		-	
VEGETATION GOOD BOTON AND A PARTY		minant Indicator	Dominance Test worksh	neet:
Tree Stratum (Plot size: ID (XID)		ecies? Status	Number of Dominant Spe	cies
1. hone			That Are OBL, FACW, or	FAC: (A)
2			Total Number of Dominar	ıt ,
3			Species Across All Strata	
4			Percent of Dominant Spe	cies .
Sapling/Shrub Stratum (Plot size: 10° x 10°)	<u>O'I.</u> = T	otal Cover	That Are OBL, FACW, or	
			Prevalence Index works	heet:
1. none			Total % Cover of:	
2			OBL species	
3			FACW species	0
4			The state of the s	0 x3= 60
5	O'1. = T	otal Cover	FACU species 10	
Herb Stratum (Plot size 101x101)		otal Covel	UPL species	
1. Ampresia acantrica pa				(A) 102 (B)
2 Junius du biono	11.	FACW		2 1
3 Avena barbata	5		Prevalence Index =	B/A = 3.2
4 William Persone.	20 L	LO FAC	Hydrophytic Vegetation	
5 Lolium multitlorum	5		X Dominance Test is >	
6 Bromus padeacious	10	FACL	— Prevalence Index is :	
1 Hodium musinum	5		Morphological Adapt	ations' (Provide supporting or on a separate sheet)
8 Lotus purshianus	5		The second secon	ytic Vegetation¹ (Explain)
	61 = T	otal Cover	A Froblematic Hydroph	yilo vegetation (Explain)
Woody Vine Stratum (Plot size 10'X 10')			Indicators of puddic soil a	and wetland hydrology must
1 None			be present, unless disturb	ned or problematic.
2	<u>a</u>	(1.4 m) = 12		
20	01. = T	otal Cover	Hydrophytic Vegetation	
% Bare Ground in Herb Stratum 39 % Co.	ver of Biotic Crust		Present? Yes	X_ No
Remarks ARea highly disturbed	l			

	Color (moist)	3/6	Color (moist)	ox Feature %	Type'	Loc	Texture	Remarks
2'	10 YR 3/a	901.	54R518	in'l	Rm	m		
				_ 10 1.	1011		- W (19	lan
					_			
		-						
						_		
'Type: C=Co	ncentration D=Dent	otion DN=0	advard Novice Co					
Hydric Soil I	ncentration, D=Dept ndicators: (Applica	ble to all L	Rs unless other	=Covered	or Coate	d Sand Gra		tion: PL=Pore Lining, M=Mat
Histosol ((A1)	LIO TO LII LI			a.)			or Problematic Hydric Soils
	ipedon (A2)		Sandy Redo Stripped Ma					ck (A9) (LRR C)
Black His			_ Loamy Muck		(F1)			ck (A10) (LRR B)
	Sulfide (A4)		Loamy Gley					Vertic (F18)
	Layers (A5) (LRR C)		Depleted Ma		-/		Other /Ex	ent Material (TF2) oplain in Remarks)
	ck (A9) (LRR D)		K Redox Dark	Surface (F	6)		0:1161 (6)	chan in Lemans)
Depleted	Below Dark Surface	(A11)	Depleted Da	rk Surface	(F7)			
	k Surface (A12) ucky Mineral (S1)		Redox Depre		8)		3Indicators of	hydrophytic vegetation and
	eyed Matrix (S4)		Vernal Pools	(F9)			wetland hyd	drology must be present.
	ayer (if present):						unless distu	urbed or problematic.
Type:	you to proceed.							
Depth (inch	act.		-					
Deptil (men							Undala Call D.	N
Remarks							Hydric Soil Pro	esent? Yes <u>K</u> No
Remarks:	Υ						nyane son Pr	esent? Yes <u> </u>
HYDROLOG	Y ology Indicators:						nyunc Son Pri	esent? Yes No
HYDROLOG Wetland Hydro	ology Indicators:	required; ch	neck all that apply)					
HYDROLOG Wetland Hydro	ology Indicators: ors (minimum of one	required; ch	and the second second	311)			<u>Secondar</u>	y Indicators (2 or more requir
HYDROLOG Wetland Hydro Primary Indicat Surface Wo	ology Indicators: ors (minimum of one	required; ch	_ Salt Crust (B				Secondar	y Indicators (2 or more requir r Marks (B1) (Riverine)
HYDROLOG Wetland Hydro Primary Indicat Surface Wa	ology Indicators: ors (minimum of one aler (A1) r Table (A2)	required; ch	Salt Crust (B Biotic Crust ((B12)	B13)		Secondar — Wate — Sedir	y Indicators (2 or more requir r Marks (B1) (Riverine) nent Deposits (B2) (Riverine
HYDROLOG Wetland Hydro Primary Indicat Surface Water High Water Saturation Water Mark	ology Indicators: ors (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine)	Salt Crust (B Biotic Crust (Aquatic Inve	(B12) rtebrates (Secondar — Wate — Sedir — Drift (y Indicators (2 or more requir r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine)
HYDROLOG Wetland Hydro Primary Indicat Surface Water High Water Saturation Water Mark Sediment C	ology Indicators: ors (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriv	·) verine)	Salt Crust (BBiotic Crust (Aquatic InventedHydrogen Su	(B12) rtebrates (ulfide Odor	(C1)	vina Roots	Secondar — Wate — Sedir — Drift (— Drain	y Indicators (2 or more requir r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Palterns (B10)
HYDROLOG Wetland Hydro Primary Indicat Surface Water High Water Saturation Water Mark Sediment C	ology Indicators: ors (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine	·) verine)	Salt Crust (B Biotic Crust (Aquatic Inve Hydrogen Su X Oxidized Rhi	(B12) rtebrates (ulfide Odor zospheres	(C1) along Li	ving Roots	Secondar Wate Sedir Drift (Drain (C3) Dry-S	y Indicators (2 or more requir r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) leason Water Table (C2)
HYDROLOG Wetland Hydro Primary Indicat Surface Water High Water Saturation Water Mark Sediment C Drift Depos Surface So	ology Indicators: ors (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine ilt (B3) (Nonriverine	r) verine) e)	Salt Crust (B Biotic Crust (Aquatic Inve. Hydrogen St X Oxidized Rhi	(B12) rtebrates (ulfide Odor zospheres Reduced I	(C1) along Liv ron (C4)		Secondar Wate Sedir Drift (Drain (C3) Crayfi	y Indicators (2 or more requir r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) leason Water Table (C2) ish Burrows (C8)
HYDROLOG Wetland Hydro Primary Indicat Surface Wi High Water Saturation Water Mark Sediment C Drift Depos Surface So	ology Indicators: ors (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine iit (B3) (Nonriverine iil Cracks (B6) Visible on Aerial Ima	r) verine) e)	Salt Crust (B Biotic Crust (Aquatic Inve Hydrogen Su X Oxidized Rhi	(B12) rtebrates (ulfide Odor zospheres Reduced I Reduction	(C1) along Liv ron (C4) in Tilled S		Secondar Wate Sedir Drift (Drain (C3) Dry-S Satur:	y Indicators (2 or more requir r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imager
HYDROLOG Wetland Hydro Primary Indicat Surface Water High Water Saturation Water Mark Sediment C Drift Depos Surface So Inundation Water-Stain	ology Indicators: ors (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine ilt Cracks (B6) Visible on Aerial Ima	r) verine) e)	Salt Crust (B Biotic Crust (Aquatic Invented Hydrogen State) Cyclic Crust (Aquatic Invented Hydrogen State) Recent Iron Recent Iron R	(B12) rtebrates (ulfide Odor zospheres Reduced I Reduction urface (C7	(C1) along Liver ron (C4) in Tilled S		Secondar Wate Sedir Drift (Ca) Crayfi Satur: Shalld	y Indicators (2 or more requir r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) leason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imager
HYDROLOG Wetland Hydro Primary Indicat Surface Wi High Water Saturation Water Mark Sediment C Drift Depos Inundation	ology Indicators: ors (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine ils (B3) (Nonriverine il Cracks (B6) Visible on Aerial Ima ned Leaves (B9) lons:	e) verine) e) gery (87)	Salt Crust (B Biotic Crust (Aquatic Invented Bydrogen Su Condized Rhi Presence of Recent Iron F Thin Muck Su Other (Explain	(B12) rtebrates (ulfide Odor zospheres Reduced I Reduction urface (C7 in in Rema	(C1) along Liver (C4) in Tilled S) rks)	Soils (C6)	Secondar Wate Sedir Drift (Ca) Crayfi Satur: Shalld	y Indicators (2 or more requir r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imager
HYDROLOG Wetland Hydro Primary Indicat Surface Water High Water Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stain Field Observati	ology Indicators: ors (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine ill Cracks (B6) Visible on Aerial Ima ned Leaves (B9) lons: Present? Yes	e) verine) e) gery (87)	Salt Crust (B Biotic Crust (Aquatic Inve: Hydrogen St X Oxidized Rhi X Presence of Recent Iron R Thin Muck St Other (Explain	(B12) rtebrates (ulfide Odor zospheres Reduced I Reduction urface (C7 in in Rema	(C1) along Liveron (C4) in Tilled S) rks)	Soils (C6)	Secondar Wate Sedir Drift (Ca) Crayfi Satur: Shalld	y Indicators (2 or more requir r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) leason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imager
HYDROLOG Wetland Hydro Primary Indicat Surface Water High Water Saturation Water Mark Sediment C Drift Depos Surface So Inundation Water-Stain Field Observati Surface Water F	ology Indicators: ors (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine ill Cracks (B6) Visible on Aerial Ima ned Leaves (B9) ions: Present? Yes esent? Yes	e) verine) e) gery (87)	Salt Crust (B Biotic Crust (Aquatic Inve: Hydrogen St X Oxidized Rhi X Presence of Recent Iron R Thin Muck St Other (Explain	(B12) rtebrates (ulfide Odor zospheres Reduced I Reduction urface (C7 in in Rema	(C1) along Liveron (C4) in Tilled S) rks)	Soils (C6)	Secondar Wate Sedir Drift (Ca) Crayfi Satur: Shalld	y Indicators (2 or more requir r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) leason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imager
HYDROLOG Wetland Hydro Primary Indicat Surface Water High Water Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stain Field Observati Surface Water F Water Table Prese	ology Indicators: ors (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine ill Cracks (B6) Visible on Aerial Ima ned Leaves (B9) ions: Present? Yes ent? Yes	e) verine) e) gery (87) No _ No _	Salt Crust (B Biotic Crust (Aquatic Inve- Hydrogen Su X Oxidized Rhi X Presence of Recent Iron R Thin Muck Su Other (Explain X Depth (inche	(B12) rtebrates (ulfide Odor zospheres Reduced I Reduction urface (C7 in in Rema	(C1) along Liveron (C4) in Tilled S) rks)	Soils (C6)	Secondar Wate Sedir Drift (Drain (C3) Dry-S Crayfi Satur: FAC-1	y Indicators (2 or more requir r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) deason Water Table (C2) dish Burrows (C8) ation Visible on Aerial Imager ow Aquitard (D3) Neutral Test (D5)
HYDROLOG Wetland Hydro Primary Indicat Surface Water High Water Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stain Field Observati Surface Water F Water Table Pres Saturation Prese (includes capilla	ology Indicators: ors (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine ill Cracks (B6) Visible on Aerial Ima ned Leaves (B9) lons: Present? Yes esent? Yes erry frince)	e) verine) e) gery (87) No No	Salt Crust (B Biotic Crust (Aquatic Inve Hydrogen St X Oxidized Rhi Recent Iron R Thin Muck St Other (Explain Depth (inches Depth (inches	(B12) rtebrates (ulfide Odor zospheres Reduced I Reduction urface (C7 in in Rema	(C1) along Livron (C4) in Tilled S) rks)	Soils (C6)	Secondar Wate Sedir Drift (Ca) Crayfi Satur Shallo	y Indicators (2 or more requir r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) leason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imager
HYDROLOG Wetland Hydro Primary Indicat Surface Water High Water Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stain Field Observati Surface Water F Water Table Pres Saturation Prese (includes capilla	ology Indicators: ors (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine ill Cracks (B6) Visible on Aerial Ima ned Leaves (B9) ions: Present? Yes ent? Yes	e) verine) e) gery (87) No No	Salt Crust (B Biotic Crust (Aquatic Inve Hydrogen St X Oxidized Rhi Recent Iron R Thin Muck St Other (Explain Depth (inches Depth (inches	(B12) rtebrates (ulfide Odor zospheres Reduced I Reduction urface (C7 in in Rema	(C1) along Livron (C4) in Tilled S) rks)	Soils (C6)	Secondar Wate Sedir Drift (Ca) Crayfi Satur Shallo	y Indicators (2 or more requir r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) deason Water Table (C2) dish Burrows (C8) ation Visible on Aerial Imager ow Aquitard (D3) Neutral Test (D5)
HYDROLOG Wetland Hydro Primary Indicat Surface Water High Water Saturation Water Mark Sediment D Drift Depos Surface So Inundation Water-Stain Field Observati Surface Water F Water Table Prese (includes capilla	ology Indicators: ors (minimum of one ater (A1) r Table (A2) (A3) ks (B1) (Nonriverine Deposits (B2) (Nonriverine ill Cracks (B6) Visible on Aerial Ima ned Leaves (B9) lons: Present? Yes esent? Yes erry frince)	e) verine) e) gery (87) No No	Salt Crust (B Biotic Crust (Aquatic Inve Hydrogen St X Oxidized Rhi Recent Iron R Thin Muck St Other (Explain Depth (inches Depth (inches	(B12) rtebrates (ulfide Odor zospheres Reduced I Reduction urface (C7 in in Rema	(C1) along Livron (C4) in Tilled S) rks)	Soils (C6)	Secondar Wate Sedir Drift (Ca) Crayfi Satur Shallo	y Indicators (2 or more requir r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) deason Water Table (C2) dish Burrows (C8) ation Visible on Aerial Imager ow Aquitard (D3) Neutral Test (D5)

Principal SNP-T TI 1-27/ Hole	0'-h # 0	10 N'850 7
~ A		inta Ysabier / San Sampling Date: 7/14/11
		State: <u>CA</u> Sampling Point: <u>WUIO-F</u>
Investigator(s): N. Conin, M. Mag	Section. Township R	Range:
Landform (hillslope, terrace etc.): hep Olope	Local relief (concave	convex. none): CONVEX Slope (%): 5
Subregion (LRR):	Lat: 33.111045	Long -116.1070902 Datum: NADS
Soil Map Unit Name: Holland Fine Sandy	(am (HMD)	NWI classification:
Are climatic / hydrologic conditions on the site typical for	this time of year? Yes X No	(If no, explain in Remarks.)
Are Vegelation X Soil X or Hydrology X		"Normal Circumstances" present? Yes No K
Are Vegetation Soil or Hydrology	_ naturally problematic? (If r	needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site ma	p showing sampling point	locations, transects, important features, etc
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes Remarks: Vegetation we cently in	No within a Wetla	and? Yes No
VEGETATION – Use scientific names of pla	Abad A David II F	16
Tree Stratum (Plot size: 10' 1 10')	Absolute Dominant Indicator <u>% Cover Species? Status</u>	Dominance Test worksheet:
1. none		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2		
3		Total Number of Dominant Species Across All Strata: (B)
Sapling/Shrub Stratum (Plot size: 10 ¹ × 10 ¹)	<u>b'l.</u> = Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC (A/B)
1. hone		Prevalence Index worksheet:
2		Total % Cover of: Multiply by:
3		OBL species x 1 =
4		FACW species
5		FAC species x 3 =
Herb Stratum (Plot size: 10 x 101)	O'/_ = Total Cover	FACU species $20 \times 4 = 80$
1. Junus mexicanus	5 N FACW	UPL species x 5 =
2. Hirshfeldia incana	5 N	Column Totals: <u>25</u> (A) <u>90</u> (B)
3 Bromus madritensis	30 URO	Prevalence Index = B/A = 3, io
4 Bromus hodeacions	20 N FACU	Hydrophytic Vegetation Indicators:
5 Avena harjanta	30 yes	Dominance Test is >50%
6 Trifolium hirtum	5 N	Prevalence Index is ≤3.0'
7		Morphological Adaptations' (Provide supporting
8	95	data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size ID 1 × 101)	D'/. = Total Cover	Problematic Hydrophytic Vegetation¹ (Explain)
1 None		Indicators of nydric soil and wetland hydrology must
2		be present, unless disturbed or problematic
	01. = Total Cover	Hydrophytic
	er of Biotic Crust	Vegetation Present? Yes No _X
Remarks Although Vegetation is	disturbed (mouse	1. ARea. Nin Not bowl.
Hydric Soils		

Profile Desc Depth (inches)	Color (moist)	3/6	Redox	Features		•	
i	104R 3/3		Color (moist)		/pe' Loc²		Remarks
		95	2.5983/4	51.		Sardy	larin
6'	10 YR 3/2	100				Sandy,	200 400
						/6	· ····································
			,				
¹Type: C=Con	centration, D=Deple	tion. RM=R	educed Matrix, CS=	Covered or C	oated Sand G	rains. ² Locatio	n: PL=Pore Lining, M=Matrix.
	dicators: (Applicat	le to all LR				Indicators for	Problematic Hydric Soils ³ :
Histosol (A			Sandy Redox			1 cm Muck	(A9) (LRR C)
Histic Epip Black Histi	A COLUMN TO THE PARTY OF THE PA		Stripped Matr				(A10) (LRR B)
	Sulfide (A4)		Loamy Mucky			Reduced V	
	ayers (A5) (LRR C)		Loamy Gleye				Material (TF2)
	(A9) (LRR D)		_ Depleted Mat			Other (Exp	lain in Remarks)
	Below Dark Surface (A11)	Depleted Dark				
Thick Dark	Surface (A12)		Redox Depres			Indicators of h	alamak di
Sandy Muc	cky Mineral (S1)		Vernal Pools			wetland hydr	drophytic vegetation and blogy must be present.
	yed Matrix (S4)						ped or problematic.
	116						or prodematio.
Restrictive Lay	yer (if present):						
Restrictive Lay Type:	yer (if present):		_				
Type: Depth (inche Remarks: 50	es):	meet	the Redox	Dark	Surpe	Hydric Soil Pres	ent? Yes No <u>K</u> _ and Redox
Type: Depth (inche Remarks: So Percen	es):	meet	the Redox	Dark	Surfac	Hydric Soil Pres	ent? Yes No <u>K</u> _ and Redox
Type:	es): is Do not thequir	meet	the Redok	Dark	Surfac	Hydric Soil Pres	ent? Yes No <u>K</u> _ and Redox
Depth (inche Remarks: So Percew YDROLOGY Wetland Hydro	es):			Dark	Surpi	Hydric Soil Pres	ent? Yes No <u>X</u> _ and Redox
Type:	es):			Dark	Surfac	e Chroma	and Redox
Type:	es):				Surfac	e Chroma	and Redox Indicators (2 or more required)
Type:	es): The Do not the Country of the		eck all that apply)	11)	Sirfac	e Chroma Secondary Water I	Indicators (2 or more required) Warks (B1) (Riverine)
Type:	es): The Do not the Country of the	required: ch	eck all that apply) Salt Crust (B	(1) (312)		Secondary Water I Sedime	Indicators (2 or more required) Warks (B1) (Riverine) ent Deposits (B2) (Riverine)
Type: Depth (inche Remarks: 50 Pelce YDROLOGY Wetland Hydro Primary Indicato Surface Wa High Water Saturation (Water Mark	es):	required: ch	eck all that apply) Salt Crust (B) Biotic Crust (I	I1) 312) ebrates (B13)		Secondary Water I Sedime	Indicators (2 or more required) Warks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine)
Type: Depth (inche Remarks: So Percew YDROLOGY Wetland Hydro Primary Indicato Surface Wa High Water Saturation (Water Mark Sediment D	logy Indicators: ors (minimum of one inter (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriv	required: ch	leck all that apply) Salt Crust (Bi Biotic Crust (E Aquatic Invert	I1) B12) ebrates (B13) fide Odor (C1		Secondary Water I Sedime Drift De	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10)
Type:	logy Indicators: ors (minimum of one inter (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) ts (B3) (Nonriverine)	required: ch	eck all that apply) Salt Crust (Bi Biotic Crust (Ei Aquatic Invert	11) 312) ebrates (B13) fide Odor (C1 ospheres alor) ng Living Root	Secondary Water I Sedime Drift De Drainags (C3) Dry-Sei	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2)
Type:	logy Indicators: ors (minimum of one of the (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) ts (B3) (Nonriverine) (Cracks (B6)	required: ch	eck all that apply) Salt Crust (Bi Biotic Crust (E Aquatic Invent Hydrogen Sul	11) 312) ebrates (B13) fide Odor (C1 ospheres alor Reduced Iron ()) ng Living Root (C4)	Secondary Water I Sedime Drift De Drainags (C3) Crayfisl	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) a Burrows (C8)
Type:	logy Indicators: ors (minimum of one of the company) s (B1) (Nonriverine) eposits (B2) (Nonriverine) ts (B3) (Nonriverine) Cracks (B6) //sible on Aerial Image	required: ch	eck all that apply) Salt Crust (Base Biotic Crust (Base Biotic Crust (Base Biotic Inventation But	11) 312) ebrates (B13) fide Odor (C1 ospheres alor teduced Iron (eduction in Til)) ng Living Root (C4)	Secondary Water I Sedime Drift De Drainags (C3) Crayfist Saturati	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9)
Type:	logy Indicators: ors (minimum of one of the company) s (B1) (Nonriverine) eposits (B2) (Nonriverine) ts (B3) (Nonriverine) Cracks (B6) //isible on Aerial Imaged Leaves (B9)	required: ch	eck all that apply) Salt Crust (Bi Biotic Crust (E Aquatic Invert Hydrogen Sul Oxidized Rhiz X Presence of R Recent Iron R	11) 312) ebrates (B13) fide Odor (C1 ospheres alor teduced Iron (eduction in Til)) ng Living Root (C4) Iled Soils (C6)	Secondary Water I Sedime Drift De Drainag S (C3) Crayfish Saturati Shallow	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) eposits (B10) ason Water Table (C2) en Burrows (C8) fon Visible on Aerial Imagery (CS) er Aquitard (D3)
Type:	logy Indicators: ors (minimum of one of the (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) I Cracks (B6) //isible on Aerial Imaged Leaves (B9) ons:	required: ch erine)) gery (B7)	Seck all that apply) Salt Crust (Base) Biotic Crust (Base) Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of R Recent Iron R Thin Muck Sul	11) 312) ebrates (B13) fide Odor (C1) ospheres alor deduced Iron (eduction in Til rface (C7)	ng Living Root (C4) Illed Soils (C6)	Secondary Water I Sedime Drift De Drainag S (C3) Crayfish Saturati Shallow	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9)
Type:	logy Indicators: Is to protect of the Company of t	required: ch erine)) gery (B7)	Salt Crust (Baselin Salt C	11) 312) ebrates (B13) fide Odor (C1) ospheres alor deduced Iron (eduction in Til rface (C7) in Remarks)	ng Living Root (C4) lled Soils (C6)	Secondary Water I Sedime Drift De Drainag S (C3) Crayfish Saturati Shallow	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) eposits (B10) ason Water Table (C2) a Burrows (C8) on Visible on Aerial Imagery (CS) a Aquitard (D3)
Type:	logy Indicators: Is to protect of the Company of t	required: ch erine)) gery (B7)	Salt Crust (Baselin Salt C	11) 312) ebrates (B13) fide Odor (C1) ospheres alor deduced Iron (eduction in Til rface (C7) in Remarks)	ng Living Root (C4) lled Soils (C6)	Secondary Water I Sedime Drift De Drainag S (C3) Crayfish Saturati Shallow	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) eposits (B10) ason Water Table (C2) a Burrows (C8) on Visible on Aerial Imagery (CS) a Aquitard (D3)
Type:	logy Indicators: ors (minimum of one inter (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) I Cracks (B6) //isible on Aerial Image ed Leaves (B9) ons: resent? yes_ ors y fringe)	erine)) gery (B7) No No	Salt Crust (Bit Short Sh	l1) B12) ebrates (B13) fide Odor (C1) ospheres alor Reduced Iron (eduction in Til rface (C7) n in Remarks)	ng Living Root (C4) Illed Soils (C6)	Secondary Water I Sedime Drift De Drainag S (C3) Crayfish Saturati Shallow FAC-Ne	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) eposits (B10) ason Water Table (C2) a Burrows (C8) on Visible on Aerial Imagery (CS) a Aquitard (D3)
Type:	logy Indicators: ors (minimum of one inter (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) I Cracks (B6) //isible on Aerial Imaged Leaves (B9) ons: resent? Yes _ nt? Yes	erine)) gery (B7) No No	Salt Crust (Bit Short Sh	l1) B12) ebrates (B13) fide Odor (C1) ospheres alor Reduced Iron (eduction in Til rface (C7) n in Remarks)	ng Living Root (C4) Illed Soils (C6)	Secondary Water I Sedime Drift De Drainag S (C3) Crayfish Saturati Shallow FAC-Ne	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (CS) in Aquitard (D3) eutral Test (D5)
Type:	logy Indicators: ors (minimum of one inter (A1) Table (A2) A3) s (B1) (Nonriverine) eposits (B2) (Nonriverine) I Cracks (B6) //isible on Aerial Image ed Leaves (B9) ons: resent? yes_ ors y fringe)	erine)) gery (B7) No No	Salt Crust (Bit Short Sh	l1) B12) ebrates (B13) fide Odor (C1) ospheres alor Reduced Iron (eduction in Til rface (C7) n in Remarks) S)	ng Living Root (C4) Illed Soils (C6)	Secondary Water I Sedime Drift De Drainag S (C3) Crayfish Saturati Shallow FAC-Ne	Indicators (2 or more required) Marks (B1) (Riverine) ent Deposits (B2) (Riverine) eposits (B3) (Riverine) ge Patterns (B10) ason Water Table (C2) in Burrows (C8) ion Visible on Aerial Imagery (C9 ion Visible on Aerial Imagery (C9 ion Visible on Aerial Imagery (C9 ion Visible (D3) eutral Test (D5)

Project/Site: SDGE TLI. 37/	City/Co	ounty Ram	ona / can Diego sa	moling Date: 7/14/1
Applicant/Owner SDGE			State: CA Sa	mpling Point: (1)/ 11 - #
Investigator(s): N. Cenin, M. Maze	Section Section	n. Township R	Range:	
Landform (hillslope, terrace, etc.):	Local i	relief (concave	convex. none): Conco u	.0 Slone (%) 0'1
Subregion (LRR):	Lat: 33.01	B3108	1000 -1110 85110	DIO Datum: AIA AO
Soil Map Unit Name: Vista rocky Coar	se Sandy.	Dogm	NIVII classification	none
Are climatic / hydrologic conditions on the site typical for	this time of year? Ye	s X No	//f no evoluio in Demo	1.0110
Are Vegetation Soil, or Hydrology	significantly disturbe			
Are Vegelation Soil or Hydrology			"Normal Circumstances" prese	
			needed, explain any answers in	
SUMMARY OF FINDINGS - Attach site ma	p showing samp	ning point	locations, transects, im	portant features, etc
Hydrophytic Vegetation Present? YesX	No	s the Sample	d Area	
Hydric Soil Present? Yes X	NO	vithin a Wetla		No
Wetland Hydrology Present? Yes X	No			
Remarks: ARea is disturbed / W	letland = ma	n macle	from Run-off A	djacent to
buse. During heavy Rain	for what to	mm Neor	eccion Wandel	O'Klay (for.)
Into Blue line tributa	sel	ON SAFE	Casion would C	active of 1.000
VEGETATION – Use scientific names of pla	ints.			
Trac State - (District to 4 and	Absolute Domin	ant Indicator	Dominance Test workshee	t:
Tree Stratum (Plot size: 10 x 10 1) 1. None	% Cover Specie	s? Status	Number of Dominant Specie	s .
			That Are OBL, FACW, or FA	C: (A)
2			Total Number of Dominant	
4			Species Across All Strata:	(B)
	07. = Total	Cover	Percent of Dominant Species	1
Sapling/Shrub Stratum (Plot size: D x 10		OUVE	That Are OBL, FACW, or FA	C 100 (A/B)
1. None			Prevalence Index workshee	et:
2			Total % Cover of:	
3			OBL species	
5			FACW species 90	
			FAC species	
Herb Stratum (Plot size: 10' X 10'		Sover	FACU species	
1. Aug				
2. Hirsfeldia irrana	101.		Column Totals:	
3 Poly pogon monspeiliensis	- 90 yes	FACW	Prevalence Index = B/A	
4			Hydrophytic Vegetation Ind	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
5			X Dominance Test is >50%	
6 7			X Prevalence Index is ≤3.0	
8.			Morphological Adaptation data in Remarks or on	is' (Provide supporting a separate sheet)
	100 7. = Total C	COVEC	Problematic Hydrophytic	
Woody Vine Stratum (Plot size 10 X 1 D1)		,0461		- Mary Johnson World And Color
1			Indicators of nydric soil and w	vetland hydrology must
2			be present, unless disturbed of	or problematic
	= Total C	over	Hydrophytic	
% Bare Ground in Herb Stratum	r of Biotic Crust		Vegetation Present? Yes X	No
Remarks:				

-	-	٠	
•	1 1		

Depth	Matrix		oth needed to docur	x Features	or commi	the absence o	rindicators.)	
(inches)	Color (moist)		Color (moist)	%Type¹	Loc²	Texture	Remarks	
0	104R3/2	90	54RUB	101, CS	HEPL		lan	
			<u> </u>	1017 05	PIPIL	arnag	Juan	
						-		
						-		
ype: C=Co	ncentration, D=Dept	etion. RM=	Reduced Matrix, CS	=Covered or Coate	d Sand Gra		on: PL=Pore Lining, M=Matrix.	
		ible to all	LRRs, unless other			Indicators for	r Problematic Hydric Soils ³ :	
Histosol (A1) ★ Histic Epipedon (A2)			Sandy Redox (S5)			1 cm Muck (A9) (LRR C)		
_ Black His			Stripped Matrix (S6)			2 cm Muck (A10) (LRR B)		
	Sulfide (A4)		Loamy Mucky Mineral (F1)			Reduced Vertic (F18)		
Stratified Layers (A5) (LRR C)			Loamy Gleyed Matrix (F2)Depleted Matrix (F3)			Red Parent Material (TF2)Other (Explain in Remarks)		
1 cm Muc	k (A9) (LRR D)		Redox Dark			_ Other (Ex	plain in Remarks)	
Depleted	Below Dark Surface	(A11)		rk Surface (F7)				
	k Surface (A12)		Redox Depressions (F8)			³ Indicators of hydrophytic vegetation and		
	icky Mineral (S1)		Vernal Pools (F9)			welland hydrology must be present.		
	eyed Matrix (S4)						rbed or problematic.	
	yer (if present):							
Туре:								
Denth (inch					17.0			
Depth (inchemarks	es)					Hydric Soil Pre	sent? Yes_X No	
marks:						Hydric Soil Pre	sent? Yes_X No	
marks [·]	Y					Hydric Soil Pre	sent? Yes_X No	
marks: DROLOG	Y ology Indicators:	e required:	check all that apoly)			;		
DROLOG	Y ology Indicators: ors (minimum of one	e required;	check all that apply) Salt Crust (B	(11)		Secondan	(Indicators (2 or more required)	
DROLOG etland Hydromary Indical Surface W	Y ology Indicators: ors (minimum of one	e required:	Salt Crust (B			Secondary Water	r Indicators (2 or more required) Marks (B1) (Riverine)	
DROLOG etland Hydromary Indical Surface W	Y ology Indicators: ors (minimum of one aler (A1) r Table (A2)	e required)	Salt Crust (B Biolic Crust ((B12)		Secondan Water Sedin	v Indicators (2 or more required) Marks (B1) (Riverine) nent Deposits (B2) (Riverine)	
DROLOG etland Hydromary Indical Surface W High Wate Saturation	Y ology Indicators: ors (minimum of one aler (A1) r Table (A2)		Salt Crust (B Biolic Crust (Aquatic Inver	(B12) rtebrales (B13)		Secondan Water Sedir Drift D	v Indicators (2 or more required) Marks (B1) (Riverine) nent Deposits (B2) (Riverine) deposits (B3) (Riverine)	
DROLOG etland Hydromary Indical Surface W High Wate Saturation Water Mar	Y ology Indicators: ors (minimum of one aler (A1) r Table (A2) (A3)	9)	Salt Crust (B Biotic Crust (Aquatic Inver	(B12) rtebrates (B13) ulfide Odor (C1)		Secondan Water Sedir Drift C	v Indicators (2 or more required) Marks (B1) (Riverine) nent Deposits (B2) (Riverine) deposits (B3) (Riverine) age Patterns (B10)	
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Attachment B Site Photographs

SITE PHOTOGRAPHS



Pole D167. Photo taken looking east along Creelman Rd. The stake is located to the east of the pole (background). Stake is located on bank of erosional/drainage feature and will require BMPs to avoid impacts. Location #15



Pole D167, direct bury. Photo taken looking west along Creelman Rd. Existing pole can be removed without impacts to the erosional/drainage feature on the right hand side of the photo. Location #15



Pole P152. The stake is located on the bank of a swale feature. Propose to move stake location 8ft 4inches to the N (340 degrees from stake, or left of the stake) to avoid impacts to feature on the center/right. Location #10



Pole P152. Photo taken looking west along the overland travel from access road over feature to staked location. Surveyor is standing in the swale feature. Oak tree trimming may be required for pole removal. (Location #10)



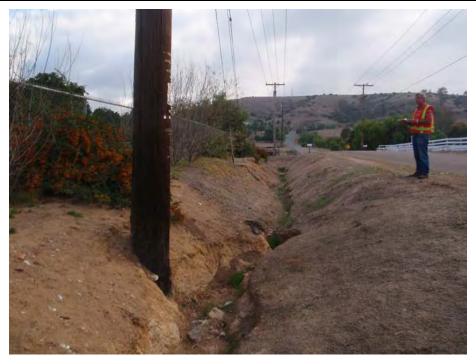
Pole R11. Photo taken looking east along Creelman Rd. The poles along the north side of Creelman will be relocated to south side (P168). Pole located within a drainage feature.Location #16



Pole R11, pole removal. Photo taken looking west along Creelman Rd. Pole is located within a drainage feature. Options for removal are cut at base and leave, or access pole from road and pull out with boom truck and wench to minimize impacts. Location #16



Pole R13. Photo taken looking west along Creelman Rd. Existing pole located a drainage feature. Removal: access pole from road and pull out with boom truck and wench to minimize impacts. May require back hoe to dig out from exposed bedrock. Location #17



Pole R13, pole removal. Photo taken looking east along the north side of Creelman Rd. Temporary disturbance of up to 10 feet will occur during removal. Location #17



Pole P103, pole removal and relocation. Photo taken looking southeast from staked location towards pole located in wetland meadow area, to be removed. Location #4



Pole P103. Photo taken looking northwest towards access road. The pole will be relocated between two access roads within 15 feet of staked location, within a more disturbed wetland area. Removal of pole will temporarily disturb the wetland area. Relocation will minimize disturbance during maintenance activities of pole, since pole will be directly adjacent to two access roads. Loc.#4



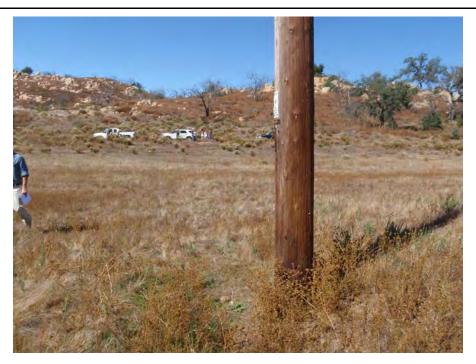
Pole P103, pole removal and relocation area. Relocation will minimize disturbance during maintenance activities. Location #4



Pole P103. Photo taken looking northeast along the intersection of two access roads. Relocation area will minimize disturbance during maintenance activities of pole, since pole will be directly adjacent to two access roads. Location #4



Pole P104, pole removal and relocation. Photo taken looking southeast from staked location towards pole located in wetland meadow area, to be removed. Relocation will minimize disturbance during maintenance activities. Location #5



Pole P104. Photo taken looking northwest towards access road. The pole will be relocated to this side of the access road, outside of the wetland area. Removal of pole will temporarily disturb the wetland area, but will minimize disturbance during maintenance activities of pole (access to pole).



Pole R107, removal. Pole located in wetland area, will be removed. Englemann oak tree trimming will be required. Possible removal of oak trees since span will be increased. Location #8



Pole R107. Photo taken looking northwest towards access road. This pole and existing pole butt will be removed and will not be relocated. Location #8



Pole P114, removal (and relocation). Photo taken looking west towards access road. Existing pole located within wetland meadow area, new location along access road outside wetland boundary. Access to pole by overland travel or helicopter. Location #9



Pole P114. Photo taken looking southwest towards access road. If conditions are dry during construction, the meadow in photo will require mowing for overland travel. An existing pole butt which may require removal is located on this side of the pole, a few feet from pole P114.



Pole P114, relocation area. Photo taken looking northeast towards access road and old pole location. New pole located outside wetland meadow area. Location #9



Pole P114. Photo taken looking northeast at new pole location in foreground and old pole location in background. Location #9



Pole P129, micropile. Pole not located within a drainage/wetland feature; however, a wetland meadow exists between access road and pole. Overland travel during dry conditions to avoid ruts in meadow is proposed. If wet, helicopter will be used for removal and installation processes. Loc #11



Pole P129. Photo taken from staked location towards the access road. If conditions are dry during construction, the meadow in photo will require mowing for overland travel. Location #11



Pole P148, micropile. Photo taken looking southwest along the wetland meadow area to the left of the access road. Pole removal and relocation will occur in the disturbed wetland area. Pole P147 in background. Location #1



Pole P148. Photo taken looking northeast along the disturbed wetland meadow area. Temporary disturbance area is approximately 55ft by 20ft, from the access road to the fence. Location #1



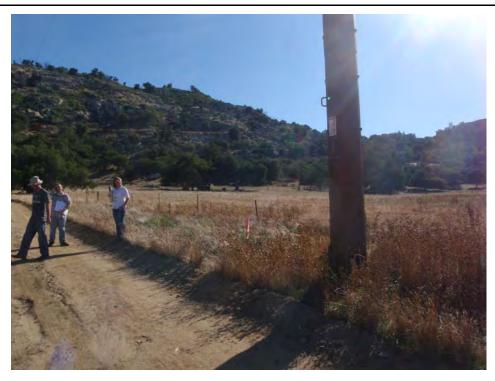
Pole P149, direct bury. Photo taken looking northeast along the wetland meadow area. Pole removal and relocation will occur in the disturbed wetland area. Pole P150 in background. Loc#2



Pole P149. Photo taken looking southwest along the disturbed wetland meadow area. Soils identified in the area contained redox features indicative of anaerobic conditions. Pole P148 in background. Location #2



Pole P150, direct bury. Photo taken looking southwest along the wetland meadow area. Pole removal and relocation will occur in the disturbed wetland area. Pole P149 in background. Loc#3



Pole P150. Photo taken looking east along the disturbed wetland meadow area. Temporary disturbance area is approximately 10 square feet for installation, and 10 feet for removal. Loc #3



Pole R10. Photo taken looking east along Creelman Rd. The poles along the north side of Creelman will be relocated to south side (D167). Pole located within a drainage feature. Loc #12



Pole R10, pole removal. Photo taken looking west along Creelman Rd. Pole is located within a drainage feature. Options for removal are cut at base and leave, or access pole from road and pull out with boom truck and wench to minimize impacts. Location #12



Pole R169. Photo taken looking east along Creelman Rd. Existing pole located a drainage feature. Removal: access pole from road and pull out with boom truck and wench to minimize impacts. Loc#13



Pole R169, pole removal. Temporary disturbance of up to 10 feet will occur during removal. Loc 13



Pole R171. Photo taken looking east along the north side of Creelman Rd. Existing pole located at the top of a drainage feature. Removal: access pole from road and pull out with boom truck and wench to minimize impacts. Will require BMPs to avoid impacts to drainage. Location #14



Pole R171, removal. Photo taken looking west along the north side of Creelman Rd. Drainages can be avoided with BMP implementation. Location #14



Photo taken along access road crossing drainage feature between poles P141 and P140, looking south (downstream). OWHM 2ft, Bank to bank 12ft measured south of pole. Location #19



Photo taken from access road looking north at swale feature. No culvert was present. To avoid impacts, placement of gravel less than 6 inches on access road is proposed. Second option is to use plates to travel over feature.



Santa Ysabel Staging Yard, located approximately 1100 feet southwest of substation. The staging area is approximately 6 acres and will avoid the oak tree depicted in this picture. The surrounding habitat is disturbed non-native grassland with a few scattered native upland species including California buckwheat, tarplant and vinegar weed.



Photo taken looking north along the eastern boundary of the Santa Ysabel staging area. No drainage features were observed during the survey. Small mammal burrows were observed.