



2016 CA Water Board Data Fair

March 18, 2016

California Integrated Water Quality System (CIWQS)

Rassam Zarghami

CIWQS

Is used by the State and Regional Water Quality Control Boards to track information about places of environmental interest.

- manage permits and other orders
- track inspections
- manage violations
- enforcement activities
- online submittal by Permittees within certain programs

Types of Available Data

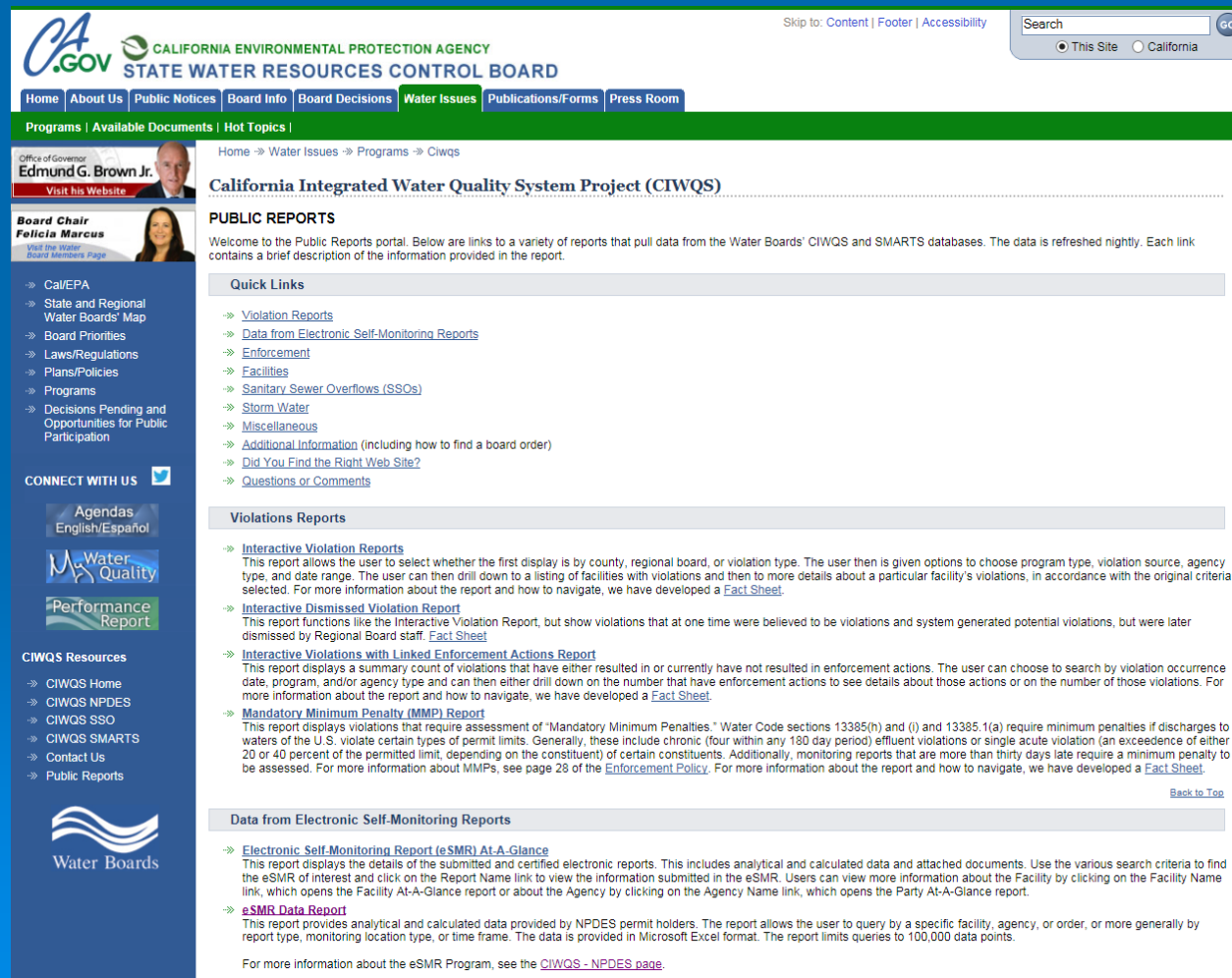
- Permits / Orders
- Inspections
- Violations
- Enforcement Actions

- *Sanitary Sewer Overflows (SSOs) Reports*
- *NPDES Monitoring Reports*

Data Access

- Waterboards.ca.gov

Public Reports



The screenshot shows the website for the California Environmental Protection Agency (CalEPA) State Water Resources Control Board. The page is titled "California Integrated Water Quality System Project (CIWQS)" and features a "PUBLIC REPORTS" section. The navigation menu includes Home, About Us, Public Notices, Board Info, Board Decisions, Water Issues, Publications/Forms, and Press Room. The "Water Issues" menu item is highlighted. The page content includes a "Quick Links" section with links to Violation Reports, Data from Electronic Self-Monitoring Reports, Enforcement, Facilities, Sanitary Sewer Overflows (SSOs), Storm Water, Miscellaneous, Additional Information, Did You Find the Right Web Site?, and Questions or Comments. There is also a "Violations Reports" section with links to Interactive Violation Reports, Interactive Dismissed Violation Report, Interactive Violations with Linked Enforcement Actions Report, and Mandatory Minimum Penalty (MMP) Report. A "Data from Electronic Self-Monitoring Reports" section includes links to Electronic Self-Monitoring Report (eSMR) At-A-Glance and eSMR Data Report. The page also features a sidebar with "CIWQS Resources" and "CONNECT WITH US" options.

CA.GOV CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD

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Felicia Marcus
View the Water Board Members Page

Home » Water Issues » Programs » CIWQS

California Integrated Water Quality System Project (CIWQS)

PUBLIC REPORTS

Welcome to the Public Reports portal. Below are links to a variety of reports that pull data from the Water Boards' CIWQS and SMARTS databases. The data is refreshed nightly. Each link contains a brief description of the information provided in the report.

Quick Links

- [Violation Reports](#)
- [Data from Electronic Self-Monitoring Reports](#)
- [Enforcement](#)
- [Facilities](#)
- [Sanitary Sewer Overflows \(SSOs\)](#)
- [Storm Water](#)
- [Miscellaneous](#)
- [Additional Information](#) (including how to find a board order)
- [Did You Find the Right Web Site?](#)
- [Questions or Comments](#)

Violations Reports

- [Interactive Violation Reports](#)
This report allows the user to select whether the first display is by county, regional board, or violation type. The user then is given options to choose program type, violation source, agency type, and date range. The user can then drill down to a listing of facilities with violations and then to more details about a particular facility's violations, in accordance with the original criteria selected. For more information about the report and how to navigate, we have developed a [Fact Sheet](#).
- [Interactive Dismissed Violation Report](#)
This report functions like the Interactive Violation Report, but show violations that at one time were believed to be violations and system generated potential violations, but were later dismissed by Regional Board staff. [Fact Sheet](#).
- [Interactive Violations with Linked Enforcement Actions Report](#)
This report displays a summary count of violations that have either resulted in or currently have not resulted in enforcement actions. The user can choose to search by violation occurrence date, program, and/or agency type and can then either drill down on the number that have enforcement actions to see details about those actions or on the number of those violations. For more information about the report and how to navigate, we have developed a [Fact Sheet](#).
- [Mandatory Minimum Penalty \(MMP\) Report](#)
This report displays violations that require assessment of "Mandatory Minimum Penalties." Water code sections 13385(h) and (i) and 13385.1(a) require minimum penalties if discharges to waters of the U.S. violate certain types of permit limits. Generally, these include chronic (four within any 180 day period) effluent violations or single acute violation (an exceedence of either 20 or 40 percent of the permitted limit, depending on the constituent) of certain constituents. Additionally, monitoring reports that are more than thirty days late require a minimum penalty to be assessed. For more information about MMPs, see page 28 of the [Enforcement Policy](#). For more information about the report and how to navigate, we have developed a [Fact Sheet](#).

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Data from Electronic Self-Monitoring Reports

- [Electronic Self-Monitoring Report \(eSMR\) At-A-Glance](#)
This report displays the details of the submitted and certified electronic reports. This includes analytical and calculated data and attached documents. Use the various search criteria to find the eSMR of interest and click on the Report Name link to view the information submitted in the eSMR. Users can view more information about the Facility by clicking on the Facility Name link, which opens the Facility At-A-Glance report or about the Agency by clicking on the Agency Name link, which opens the Party At-A-Glance report.
- [eSMR Data Report](#)
This report provides analytical and calculated data provided by NPDES permit holders. The report allows the user to query by a specific facility, agency, or order, or more generally by report type, monitoring location type, or time frame. The data is provided in Microsoft Excel format. The report limits queries to 100,000 data points.

For more information about the eSMR Program, see the [CIWQS - NPDES page](#).

CONNECT WITH US

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English/Español

Water Quality

Performance Report

CIWQS Resources

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- [CIWQS SSO](#)
- [CIWQS SMARTS](#)
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Water Boards

Demo

- eSMR Data Report

The screenshot displays the website for the California Environmental Protection Agency State Water Resources Control Board. The page is titled "California Integrated Water Quality System Project (CIWQS)" and features a "PUBLIC REPORTS" section. A red box highlights the "eSMR Data Report" link in the "Data from Electronic Self-Monitoring Reports" subsection. The report description states: "This report provides analytical and calculated data provided by NPDES permit holders. The report allows the user to query by a specific facility, agency, or order, or more generally by report type, monitoring location type, or time frame. The data is provided in Microsoft Excel format. The report limits queries to 100,000 data points." Other sections include "Quick Links" and "Violations Reports".

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Water Boards

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Search
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California Integrated Water Quality System Project (CIWQS)

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For more information about the eSMR Program, see the [CIWQS - NPDES page](#).

Demo

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eSMR Analytical Report

Region:
Region 2 - San Francisco Bay
Region 3 - Central Coast
Region 4 - Los Angeles

Report Document Type:

Program:

Parameter:
1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloro-1,2,2-Trifluoroethane

WDID:

Sample Date Range: Start:
End:

Order Number:

Facility:

Party:

County:
Alpine
Amador
Butte

Monitoring Location Type:

Record Type:

Note: Hold "Ctrl" while clicking to select multiple values

Demo

Filtered by

- Flow
- 2015
- Effluent
- Analytical

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Water Boards

eSMR Analytical Report

Region:
Region 2 - San Francisco Bay
Region 3 - Central Coast
Region 4 - Los Angeles

Note: Hold "Ctrl" while clicking to select multiple values

Report Document Type:

Program:

Parameter:
Fixed Dissolved Solids (FDS)
Floating Particulates, Dry Weight
Flow

WDID:

Sample Date Range: Start: (MM/DD/YYYY)
End: (MM/DD/YYYY)

Order Number:

Facility:

Party:

County:
Alpine
Amador
Butte

Monitoring Location Type:

Record Type:

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Demo

eSMR_Analytical_Report - Microsoft Excel

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
	Location	Parameter	Analytical	Calculator	Qual	Result	Units	MDL	ML	RL	Sampling	Sampling	Analysis	Analysis	Review	Pr	QA Codes	Comment	Facility Name	Report Name	Lat
1	Location	Parameter	Analytical	Calculator	Qual	Result	Units	MDL	ML	RL	Sampling	Sampling	Analysis	Analysis	Review	Pr	QA Codes	Comment	Facility Name	Report Name	Lat
2	EFF-001	Flow	Data Unavailable	=		0.493	MGD				1/1/2015	0:00:00	1/1/2015	0:00:00					UC Davis,	Monthly SMR	
3	EFF-001	Flow	Data Unavailable	=		0.894	MGD				1/1/2015	0:00:00	1/1/2015	0:00:00					Fort Bragg	Monthly SMR	
4	EFF-001	Flow	Data Unavailable	=		1.879	MGD				1/1/2015	0:00:00	1/1/2015	0:00:00					Crescent C	Monthly SMR	
5	EFF-001	Flow	Data Unavailable	=		0.0144	MGD				1/1/2015	0:00:00	1/1/2015	0:00:00					Mendocin	Monthly SMR	
6	EFF-001	Flow	Data Unavailable	=		2.286	MGD				1/1/2015	0:00:00	1/1/2015	0:00:00					Arcata Cit	Monthly SMR	
7	EFF-001	Flow	Data Unavailable	=		0.11	MGD				1/1/2015	0:00:00	1/1/2015	0:00:00					Shelter Cc	Monthly SMR	
8	EFF-001	Flow	Data Unavailable	=		0.23655	MGD				1/1/2015	8:00:00	1/1/2015	0:00:00					Sierra Pac	Monthly S	40
9	EFF-001	Flow	Data Unavailable	=		37536	g/day				1/1/2015	9:00:00	1/1/2015	0:00:00					College of	Semi-Annual	
10	EFF-001	Flow	Data Unavailable	=		37536	g/day				1/1/2015	9:00:00	1/1/2015	0:00:00					College of	Quarterly SM	
11	EFF-001	Flow	Data Unavailable	=		37536	g/day				1/1/2015	9:00:00	1/1/2015	0:00:00					College of	Monthly SMR	
12	EFF-001	Flow	Data Unavailable	=		37536	g/day				1/1/2015	9:00:00	1/1/2015	0:00:00					College of	Semi-Annual	
13	EFF-001	Flow	Data Unavailable	=		5.627	MGD				1/1/2015	23:59:00	1/1/2015	0:00:00					Eureka Cit	Monthly SMR	
14	EFF-001	Flow	Data Unavailable	=		2.047	MGD				1/2/2015	0:00:00	1/2/2015	0:00:00					Arcata Cit	Monthly SMR	
15	EFF-001	Flow	Data Unavailable	=		0.11	MGD				1/2/2015	0:00:00	1/2/2015	0:00:00					Shelter Cc	Monthly SMR	
16	EFF-001	Flow	Data Unavailable	=		0.913	MGD				1/2/2015	0:00:00	1/2/2015	0:00:00					Fort Bragg	Monthly SMR	
17	EFF-001	Flow	Data Unavailable	=		0.51	MGD				1/2/2015	0:00:00	1/2/2015	0:00:00					UC Davis,	Monthly SMR	
18	EFF-001	Flow	Data Unavailable	=		0.0162	MGD				1/2/2015	0:00:00	1/2/2015	0:00:00					Mendocin	Monthly SMR	
19	EFF-001	Flow	Data Unavailable	=		1.899	MGD				1/2/2015	0:00:00	1/2/2015	0:00:00					Crescent C	Monthly SMR	
20	EFF-001	Flow	Data Unavailable	=		39698	g/day				1/2/2015	7:55:00	1/2/2015	0:00:00					College of	Quarterly SM	
21	EFF-001	Flow	Data Unavailable	=		39698	g/day				1/2/2015	7:55:00	1/2/2015	0:00:00					College of	Semi-Annual	
22	EFF-001	Flow	Data Unavailable	=		39698	g/day				1/2/2015	7:55:00	1/2/2015	0:00:00					College of	Monthly SMR	
23	EFF-001	Flow	Data Unavailable	=		39698	g/day				1/2/2015	7:55:00	1/2/2015	0:00:00					College of	Semi-Annual	
24	EFF-001	Flow	Data Unavailable	=		0	MGD				1/2/2015	8:00:00	1/2/2015	0:00:00					Sierra Pac	Monthly S	40
25	EFF-001	Flow	Data Unavailable	=		5.773	MGD				1/2/2015	23:59:00	1/2/2015	0:00:00					Eureka Cit	Monthly SMR	
26	EFF-001	Flow	Data Unavailable	=		0	MGD				1/3/2015	0:00:00	1/3/2015	0:00:00					Mendocin	Monthly SMR	
27	EFF-001	Flow	Data Unavailable	=		1.899	MGD				1/3/2015	0:00:00	1/3/2015	0:00:00					Crescent C	Monthly SMR	
28	EFF-001	Flow	Data Unavailable	=		1.982	MGD				1/3/2015	0:00:00	1/3/2015	0:00:00					Arcata Cit	Monthly SMR	
29	EFF-001	Flow	Data Unavailable	=		0.491	MGD				1/3/2015	0:00:00	1/3/2015	0:00:00					UC Davis,	Monthly SMR	
30	EFF-001	Flow	Data Unavailable	=		0.1	MGD				1/3/2015	0:00:00	1/3/2015	0:00:00					Shelter Cc	Monthly SMR	
31	EFF-001	Flow	Data Unavailable	=		0.868	MGD				1/3/2015	0:00:00	1/3/2015	0:00:00					Fort Bragg	Monthly SMR	
32	EFF-001	Flow	Data Unavailable	=		0.18658	MGD				1/3/2015	8:00:00	1/3/2015	0:00:00					Sierra Pac	Monthly S	40
33	EFF-001	Flow	Data Unavailable	=		36169	g/day				1/3/2015	8:55:00	1/3/2015	0:00:00					College of	Monthly SMR	
34	EFF-001	Flow	Data Unavailable	=		36169	g/day				1/3/2015	8:55:00	1/3/2015	0:00:00					College of	Semi-Annual	
35	EFF-001	Flow	Data Unavailable	=		36169	g/day				1/3/2015	8:55:00	1/3/2015	0:00:00					College of	Semi-Annual	
36	EFF-001	Flow	Data Unavailable	=		36169	g/day				1/3/2015	8:55:00	1/3/2015	0:00:00					College of	Quarterly SM	
37	EFF-001	Flow	Data Unavailable	=		5.408	MGD				1/3/2015	23:59:00	1/3/2015	0:00:00					Eureka Cit	Monthly SMR	
38	EFF-001	Flow	Data Unavailable	=		0.839	MGD				1/4/2015	0:00:00	1/4/2015	0:00:00					Fort Bragg	Monthly SMR	
39	EFF-001	Flow	Data Unavailable	=		1.84	MGD				1/4/2015	0:00:00	1/4/2015	0:00:00					Crescent C	Monthly SMR	
40	EFF-001	Flow	Data Unavailable	=		0.1	MGD				1/4/2015	0:00:00	1/4/2015	0:00:00					Shelter Cc	Monthly SMR	

Other Access

greengov.data.ca.gov

The screenshot displays the website's interface. At the top left, the CA.GOV logo and Green Gov Challenge logo are visible. On the top right, there are links for Sign Up, Log In, and social media icons for Facebook, Twitter, and YouTube. A search bar is located below these links. A dark blue navigation bar contains the following menu items: Home, Current Contests, Catalog, Developers, and Open Data Pilot. The main content area features a large banner image of a building with a semi-transparent white box containing the text: "California's Pilot Open Data Portal" and "Using Data to Drive Greener and Better Government". Below the banner is a grid of nine green tiles, each with a white icon and a label: Water (water drop icon), Transportation (shield icon), Recycling (leaf icon), Location (location pin icon), Grants and Contracts (notepad icon), Fleet (car icon), and three partially visible tiles at the bottom with icons for people, a building, and a menu.

Why are these data important?

- Public Sewage Spill Incident Map
- Evaluate the discharge's effect on the environment / set permit limits
- The current status and disposition of monetary penalties imposed by the Water Boards

Contact Information

- Rassam Zarghami
 - 916-341-5516
 - Rassam.Zarghami@waterboards.ca.gov
- Help Center
 - 866-79-CIWQS
 - ciwqs@waterboards.ca.gov

Stormwater Multiple Application & Report Tracking System (SMARTS)

Patrick Otsuji
State Water Resources Control Board
Division of Water Quality

What is SMARTS?

➤ Purpose:

Provide a platform where dischargers and regulators can enter and track storm water data including: NOIs, NOTs, NECs, Annual Reports, compliance, and monitoring data.

➤ Reports

- SWRCB/RWQCB prioritize regulatory tasks (i.e. inspections, view trends in compliance, provide data to the Legislature and EPA).
- Public reports - NOI, Inspections, Violations, Enforcement, and monitoring data.

➤ EPA CROMERR Approved

- Sets electronic reporting standards to ensure the authenticity and integrity of the electronic documents and electronic signatures that are received.

➤ Internet-based

- Best used with Internet Explorer 11
- Working to support Google Chrome

What is Tracked in SMARTS?

- **Construction General Permit**
 - Notice of Intent Applications
 - Annual Report
 - Ad Hoc Monitoring Report

- **Industrial General Permit**
 - Notice of Intent Applications
 - Annual Report
 - Ad Hoc Monitoring Report

- **Phase II Small Municipal Separate Storm Sewer System**
 - Annual Report

- **Storm Water Regional General Permits**
 - Notice of Intent Applications
 - Annual Report
 - Ad Hoc Monitoring Report

- **Compliance Data**
 - Inspections
 - Violations
 - Enforcement Actions

What Data Are Available?

➤ Applications and associated attachments

- Storm Water Pollution Prevention Plans
- Maps of facility/site

➤ Text file downloads by Regional Water Board jurisdiction

- Includes Latitude/Longitude
- Contact information – Privacy Act

➤ Reports by Program

- General Overview of Storm Water Program
 - Applications processed and Terminated
 - Inspections
 - Violations
 - Enforcement Actions
- Annual Reports Submitted/Not submitted
- Sampling Results
- Nonfiler Records

How to Access SMARTS Data

➤ <https://smarts.waterboards.ca.gov>

Water Boards Storm Water Multiple Application & Report Tracking System


Welcome to Storm Water Multiple Application and Report Tracking System

SMARTS

SMARTS was developed as an online database for dischargers to electronically file their storm water permit documents. The system allows the Region and State Board staff, as well as the public, to access storm water data through submitted documents.

Need to sign up for a SMARTS account? **All SMARTS users must have their own account.** Click the "Get Started" button below for instructions.

[Get Started](#)

 **Web Browser Requirements:** SMARTS runs on Internet Explorer 11. You must use Internet Explorer 11.

SMARTS LOGIN

User ID:

Password:

[Login](#)

Forgot User ID or Password?
[Click here](#)

PUBLIC ACCESS

Public Access to NOI, SWPPPs & Annual Reports data

[View SW Data](#)

Storm Water Data Public Access

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- [Search for Owners/Operators or Facilities/Sites](#)
- [Download NOI Data By Regional Board](#)
- [Storm Water Reports - Industrial](#)
- [Storm Water Reports - Construction](#)
- [Storm Water Reports - Municipal](#)
- [Storm Water Overview Reports](#)
- [Storm Water QSD Reports](#)
- [Compliance Group Reports](#)

Storm Water Reports - Construction

[Daily Averages Parameter Results](#) - Search for daily averages by

[Raw Data Parameter Results](#) - Search for raw data by individual par

[Erosivity Waiver Report](#) - Search for construction sites with Erosivity W

[Risk Report](#) - Search for construction sites using the R, K, LS, High Risk R

[Download Construction NOI Risk Data by Regional Board](#)

[Search for Annual Reports](#)

[Outstanding Annual Reports](#)

SMARTS - Reports

Daily Average Parameter Results

Facility/Site Name:	<input type="text"/>				
WDID:	<input type="text"/>				
Application ID:	<input type="text"/>				
Physical Address:	<input type="text"/>				
City:	<input type="text" value="All"/> ▼	Zip:	<input type="text"/>	County:	<input type="text" value="All"/> ▼
Region:	<input type="text" value="Region 5S - Sacramento"/> ▼				
Parameter:	<input type="text" value="Turbidity - NTU"/> ▼				
Group Results:	<input type="text" value="Show All Parameter Results"/> ▼				
Program Type:	<input type="text" value="Construction"/> ▼				
Reporting Period:	<input type="text" value="2014 - 2015"/> ▼				

Run Report

Parameter Results

Export to Excel

Note: The data is queried from SMARTS reporting database! This is refreshed with SMARTS realtime data

Report Criteria:

Facility/Site Name: WDID: Physical Address: City: **All** Zip: County: **All** Region: **Reg**

WDID	Application Id	Parameter	Result	Units	Event business days	Event rainfall inches	Event Start Date	Event End Date	Owner/Operator Name	Own Add
5S34C368250	439267	Turbidity	155.3	NTU	2	4.65	11/28/2014	12/06/2014	Wal Mart Stores Inc	200
5S34C368250	439267	Turbidity	35.2	NTU	2	4.65	11/28/2014	12/06/2014	Wal Mart Stores Inc	200
5S34C368250	439267	Turbidity	2.03	NTU	2	5.5	12/10/2014	12/20/2014	Wal Mart Stores Inc	200
5S34C368250	439267	Turbidity	41.71	NTU	1	0.9	04/05/2015	04/07/2015	Wal Mart Stores Inc	200
5S34C368250	439267	Turbidity	10.03	NTU	2	5.5	12/10/2014	12/20/2014	Wal Mart Stores	200

A	B	C	D	E	F	G	H	I	J
WDID	Parameter	Result	Units	Event Business Days	Event Rainfall Inches	Event Start Date	Event End Date	Owner/Operator Name	Owner/Operator Address
5S34C368250	Turbidity	155.3	NTU	2	4.65	11/28/2014	12/6/2014	Wal Mart Stores Inc	2001 SE 10th St
5S34C368250	Turbidity	35.2	NTU	2	4.65	11/28/2014	12/6/2014	Wal Mart Stores Inc	2001 SE 10th St
5S34C368250	Turbidity	2.03	NTU	2	5.5	12/10/2014	12/20/2014	Wal Mart Stores Inc	2001 SE 10th St
5S34C368250	Turbidity	41.71	NTU	1	0.9	4/5/2015	4/7/2015	Wal Mart Stores Inc	2001 SE 10th St
5S34C368250	Turbidity	10.03	NTU	2	5.5	12/10/2014	12/20/2014	Wal Mart Stores Inc	2001 SE 10th St
5S34C368250	Turbidity	25.33	NTU	1	3.35	2/5/2015	2/9/2015	Wal Mart Stores Inc	2001 SE 10th St
5S34C369872	Turbidity	590.1	NTU	1	4.35	11/28/2014	12/6/2014	Pacchiosi Drill USA Inc	350 Fifth Avenue
5S34C369872	Turbidity	71.78	NTU	4	5.85	12/10/2014	12/20/2014	Pacchiosi Drill USA Inc	350 Fifth Avenue
5S34C369872	Turbidity	22.8	NTU	4	5.85	12/10/2014	12/20/2014	Pacchiosi Drill USA Inc	350 Fifth Avenue

Future Data Sets

- **Industrial General Permit**
 - 1st year for electronic reporting
- **Large Municipal Permittees**
- **Open Data Portal**

Questions?

Patrick Otsuji

patrick.otsuji@waterboards.ca.gov

(916) 341-5292

eWRIMS Database

March 18, 2016

Welcome to the State Water Resources Control Board |

Office of Governor
Edmund G. Brown Jr.
Visit his Website

**Board Chair
Felicia Marcus**
Visit the Water Board Members Page



- Cal/EPA
- State and Regional Water Boards' Map
- Board Priorities
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- Agriculture
- Bay-Delta / Delta Watermaster
- Clean Beaches & Ocean Standards
- Drinking Water
- Drought Year Info
- Enforcement
- Financial Assistance
- Groundwater
- Operator Certification
- Permit / Licensing
- Petitions
- Septic Systems (OWTS)
- Storage Tanks
- Storm Water
- Strategic Plan
- Water Quality Assessment
- Water Rights
- More...

Emergency Water Conservation Regulations Portal

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Water Quality

Performance Report

ANNOUNCEMENTS

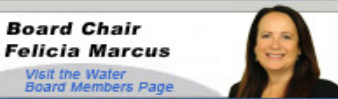
- Californians Save 1.1 Million Acre-Feet of Water, Urged to Stay Focused on Conservation (02/25/16)
- State Water Board Authorizes \$960 Million in 1% Financing For Recycled Water Projects (02/17/16)
- State Water Board Adopts Pair of Resolutions on the Human Right to Water, Beneficial Use (02/16/16)
- State Water Board Seeks Public Comment on New Agricultural Water Quality Requirements (02/09/16)
- State Water Board Adopts Extended Emergency Water Conservation Regulation (02/02/16)
- More Announcements ...

RESOURCES


- Email Subscriptions
- Data & Databases
- Business Help
- Public Records Center
- Grants & Loans
- Fees

IMPORTANT INFORMATION...

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- Cal/EPA
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- Fees
- Tribal Affairs

Home → Resources → Data Databases

Data and Databases

The Water Boards' have a number of databases that include Summary Reports and Geographic Information System (GIS) map interfaces. Many also store or link to more detailed documents and technical reports.

CATEGORIES

- [Water Quality](#)
- [Water Quantity / Water Rights](#)
- [Water Board Programs](#)
- [Databases Hosted by Other Agencies](#)
- [Data Analysis Topics](#)

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WATER QUANTITY / WATER RIGHTS

[Electronic Water Rights Information Management System \(eWRIMS\)](#)

A water rights tracking system that contains information on water right permits and licenses issued by the Water Board. It provides the public and staff access to water rights information by combining a tabular database with a Geographic Information System (GIS). [Fact Sheet](#) pub. October 2014

[eWRIMS Report Management System \(eWRIMS RMS\)](#)

Online tool for assisting water users in submitting their reports. The system processes and tracks water user-submitted documents.

[eWRIMS Help Center](#)

WATER BOARD PROGRAMS

[Performance Report](#)

Provides information on the Water Boards' efforts to protect and allocate the state's waters for beneficial uses as well as present information to better illustrate the work and effectiveness of the Water Boards and the quality of the state's waters.

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A web-based relational database for core regulatory data for use by staff, management, and the public. It allows the regulated community to submit certain types of information to the Water Boards in compliance with adopted orders. [Fact Sheet](#) - pub. October 2009

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Surface Water



- Cal/EPA
- State and Regional Water Boards' Map
- Board Priorities
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CONNECT WITH US



Home → Water Issues → Programs → Ewrims

eWRIMS – Electronic Water Rights Information Management System

The Electronic Water Rights Information Management System (eWRIMS) is a computer database developed by the State Water Resources Control Board to track information on water rights in California. eWRIMS contains information on Statements of Water Diversion and Use that have been filed by water diverters, as well as registrations, certificates, and water right permits and licenses that have been issued by the State Water Resources Control Board and its predecessors.

→ [eWRIMS Fact Sheet](#), April 2010

QUICK LINKS

- [eWRIMS Database \(View Water Rights\)](#)
- [eWRIMS Report Management System \(RMS\)](#)
- [eWRIMS Help Center](#)
- [eWRIMS Background and Development](#)
- [Disclaimer](#)

eWRIMS Database (View Water Rights)

→ [eWRIMS Database System](#) (Public Water Rights Database) - *[Note: This link opens in a new window]*

The eWRIMS Database System provides information about water rights throughout California. You can search for water rights by several criteria, including the water right owner's name, watershed, stream system, and county.

→ [eWRIMS Web Mapping Application](#) (GIS) - *[Note: This link opens in a new window]*

The eWRIMS Web Mapping Application provides the spatial location of water rights throughout California. Using a Geographic Information System (GIS), you can search for the location of water rights by visually displaying the location of point(s) of diversion on a map or aerial photograph. If you find water rights using this method, you can use the eWRIMS Database System (above) to search for information about the water rights.

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WATER RIGHTS RESOURCES

- [Email Subscriptions](#)

eWRIMS – Electronic Water Rights Information Management System

SEARCH FOR LICENSES, PERMITS AND STATEMENTS

The State Water Board is maintaining this website as a public service. The State Water Board strives to ensure that all technical data and other information made available to the public through this web site is accurate, complete and in conformance with the California Public Records Act. Neither the State Water Board nor the State of California, however, assumes any legal responsibility for the accuracy or completeness of the information contained on this site. Persons using information from this site for official purposes, or other purposes, for which accuracy and completeness are required, are hereby notified that they should first verify the information with the public records or other primary sources from which the information was obtained.

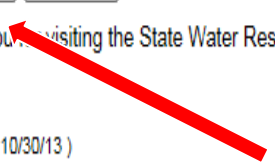
While using this site, you agree to have read and accepted our [Conditions of Use](#) and [Privacy Policy](#).

By clicking 'Accept' (below) you are, pursuant to the California Public Records Act, requesting to inspect and/or copy: 1) statements of diversion and use filed with the State Water Resources Control Board, and 2) permits, licenses, or certificates issued by the State Water Resources Control Board. (Gov. Code, § 6253.)

Please make a selection...

Thank you for visiting the State Water Resources Control Board website.

(Updated 10/30/13)



e-WRIMS - Public Data Access Menu

[Return to eWRIMS Home Page](#)

- **[Water Rights Records Search](#)**

This function allows for the search of water right records in the database. Searches can be performed by filtering a number of parameters, including record identifier, type, status, primary owner name, owner type, and county. Search results and individual record information is available to be viewed and downloaded as a comma separated value file. If you are unsure of the location of the water right, you may use the Web Mapping Application function below.

- **[Water Rights Web Mapping Application](#)**

This function provides a view of certain work items received and completed by the Division of Water Rights. The automated monthly report is available for the previous month by the 10th day of the succeeding month. A customizable report allows users to display information by date range and type of report. Charts are available for certain types of work items. Details of individual work items are available, and report results information is available to be viewed and downloaded as a comma separated value file.

- **[Water Rights Progress Reports](#)**

The Water Rights Progress Report provides a monthly snapshot of work received and completed by the Division of Water Rights. The automated report is available for the previous month by the 10th day of the next month. The customizable report allows users to select a date range and type of report. The customizable report will allow users to export and download data into a CSV file. The Progress Report also has graphs available for key program areas.

For assistance with using eWRIMS, please visit [eWRIMS Help Center](#) web page or contact the Division of Water Rights at ewrims@waterboards.ca.gov or (916) 341-5431.

For general questions regarding water rights, please visit the [Water Rights Information Web Page](#) or contact the Division of Water Rights at (916) 341-5300.


Water Rights Records Search

Enter query criteria below and click "Search".

Water Right Type: <small>(Ctrl-click to select multiple values)</small>	Adjudicated Appropriative Cert of Right - Power Federal Filings
Sub Type: <small>(Check all that applies)</small> (FOR STATEMENTS ONLY)	<input type="checkbox"/> Riparian <input type="checkbox"/> Pre 1914 <input type="checkbox"/> Court Decree/ Adjudication ==> #: <input type="text"/> <input type="checkbox"/> Other ==> Specify: <input type="text"/> <input type="checkbox"/> Un-Authorized Diversion <input type="checkbox"/> Incomplete Statement
Water Right Status: <small>(Ctrl-click to select multiple values)</small>	Active Adjudicated Cancelled
Application ID:	<input type="text"/>
Permit ID:	<input type="text"/>
License ID:	<input type="text"/>
County: <small>(Ctrl-click to select multiple values)</small>	Alameda Alpine Amador Butte
Primary Owner:	<input type="text"/>
Entity Type: <small>(Ctrl-click to select multiple values)</small>	Corporation Estate Federal Government Government (State/Municipal)
Source (River name or Source Name):	<input type="text"/>
HUC:	<input type="text"/>
Watershed: <small>(Ctrl-click to select multiple values)</small>	ADOBE AHWAHNEE AMARGOSA AMERICAN RIVER ANTELOPE ANZA BORREGO
Use Type: <small>(Ctrl-click to select multiple values)</small>	Aesthetic Aquaculture Domestic Dust Control
<input type="button" value="Search"/> <input type="button" value="Reset Search"/>	
<input type="button" value="Return to eWRIMS Home Page"/> <input type="button" value="Return to Public Data Access Menu"/>	

Water Rights Records Search

Enter query criteria below and click "Search".

Water Right Type: <small>(Ctrl-click to select multiple values)</small>	Adjudicated Appropriative Cert of Right - Power Federal Filings
Sub Type: <small>(Check all that applies)</small> (FOR STATEMENTS ONLY)	<input type="checkbox"/> Riparian <input type="checkbox"/> Pre 1914 <input type="checkbox"/> Court Decree/ Adjudication ==> #: <input type="text"/> <input type="checkbox"/> Other ==> Specify: <input type="text"/> <input type="checkbox"/> Un-Authorized Diversion <input type="checkbox"/> Incomplete Statement
Water Right Status: <small>(Ctrl-click to select multiple values)</small>	Active Adjudicated Cancelled
Application ID:	A000312 
Permit ID:	<input type="text"/>
License ID:	<input type="text"/>
County: <small>(Ctrl-click to select multiple values)</small>	Alameda Alpine Amador Butte
Primary Owner:	<input type="text"/>
Entity Type: <small>(Ctrl-click to select multiple values)</small>	Corporation Estate Federal Government Government (State/Municipal)
Source (River name or Source Name):	<input type="text"/>
HUC:	<input type="text"/>
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<input type="button" value="Return to eWRIMS Home Page"/> <input type="button" value="Return to Public Data Access Menu"/>	



e-WRIMS Water Right Search Results

Criteria: Displaying Water Rights where Application Number like "A000312".

Search Results: previous 1-1 of 1 next

Appl ID	Permit ID	License ID	Water Right Type	Status	Holder Name	Date	Face Amt	County	Source	View Reports	Water Right	Map It	Export to Excel
A000312	000113	000196	Appropriative	Licensed	US BUREAU OF LAND MANAGEMENT	04/22/1916	115 acre-ft/yr	Modoc	BONNER RAVINE	View Reports	View License	Map It	Download to Excel

[Return to Water Right Public Search Form](#) [Download to Excel](#)

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[Home](#) → [Resources](#) → [Data Databases](#)

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Surface Water

CATEGORIES

- [Water Quality](#)
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eWRIMS
Report Management System

Welcome to the Electronic Water Rights Management System Report Management System – eWRIMS RMS

The eWRIMS RMS is a user account and password protected system. A valid User ID and Password is needed to access the system. If you are a water right holder, the Division of Water Rights has mailed login information and instructions for accessing the system for filing your report online.

Login Options:

- **Only have one Water Right?**

User ID: Use the Water Right ID associated with your Water Right. The Water Right ID is the Application, Statement or Recordation number for the water right (e.g, A012345; S012345; G012345).

Password: Use the Water Right Reporting Identifier for your water right. The Reporting Identifier can be found on the notice sent to you by the Water Board.

- **Have more than one Water Right?**

New Users: [Create a User ID and Password here](#). You will need the Water Right IDs (e.g, A012345; S012345; G012345) and the Reporting Identifiers associated with your water rights. This information can be found on the notices sent to you by the Water Board. You may find these [Additional Instructions](#) useful.

Users with an Existing User ID: Use the email address and password you provided when you created your User ID and Password.

If you have any questions or need assistance completing your report, please visit the [eWRIMS Help Center](#) or call the Division of Water Rights. Staff are available Monday through Friday, 8:00 a.m. through 5:00 p.m. to assist you:

For Permits and Licenses - 916-323-9393
For Statements of Water Diversion and Use - 916-445-2812
For Groundwater Recordations - 916-341-5667

To return to the eWRIMS Main Page please click [here](#).

Login

User ID:

Password:

Passwords are Case Sensitive

Login

Forgot your password?

Users with only one Water Right: e-mail ewrims@waterboards.ca.gov

Users who created a User ID for multiple Water Rights: [Reset Password](#)

California Environmental Data Exchange Network (CEDEN)

Jarma Bennett

Office of Information Management
and Analysis

CEDEN

CEDEN is a central location to find and share information about California's water bodies, including streams, lakes, rivers, and the coastal ocean. Many groups in California monitor water quality, aquatic habitat, and wildlife health to ensure good stewardship of our ecological resources. CEDEN aggregates this data and makes it accessible to environmental managers and the public.

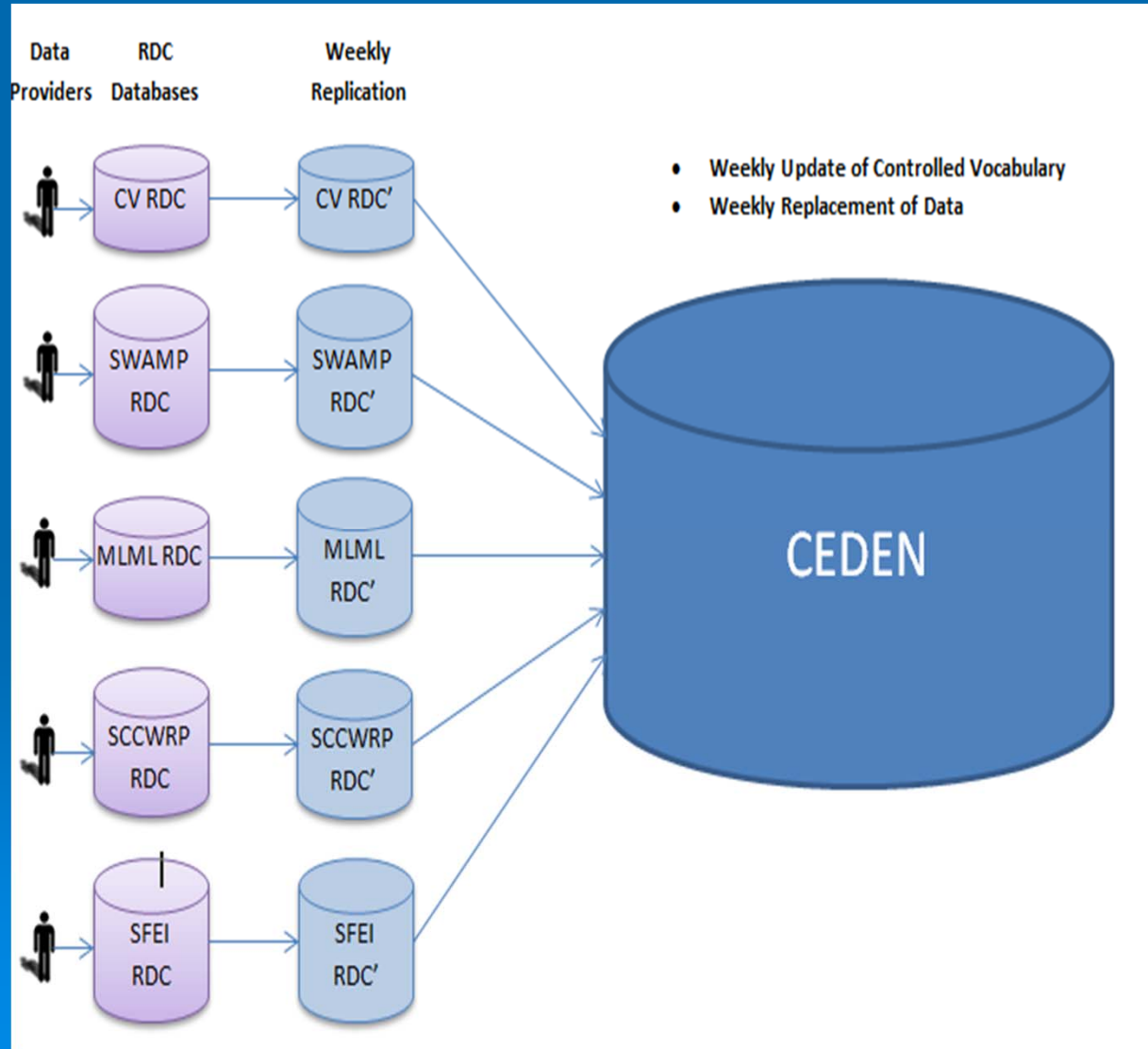
CEDEN

- Will provide data for Clean Water Act 303d assessment
 - Impaired water bodies list

Data Into CEDEN

- Surface Water Ambient Monitoring Program (SWAMP)
- 4 Regional Data Centers (RDCs)
 - Grant holders
 - Some permittees
 - Other monitoring programs

CEDEN Process

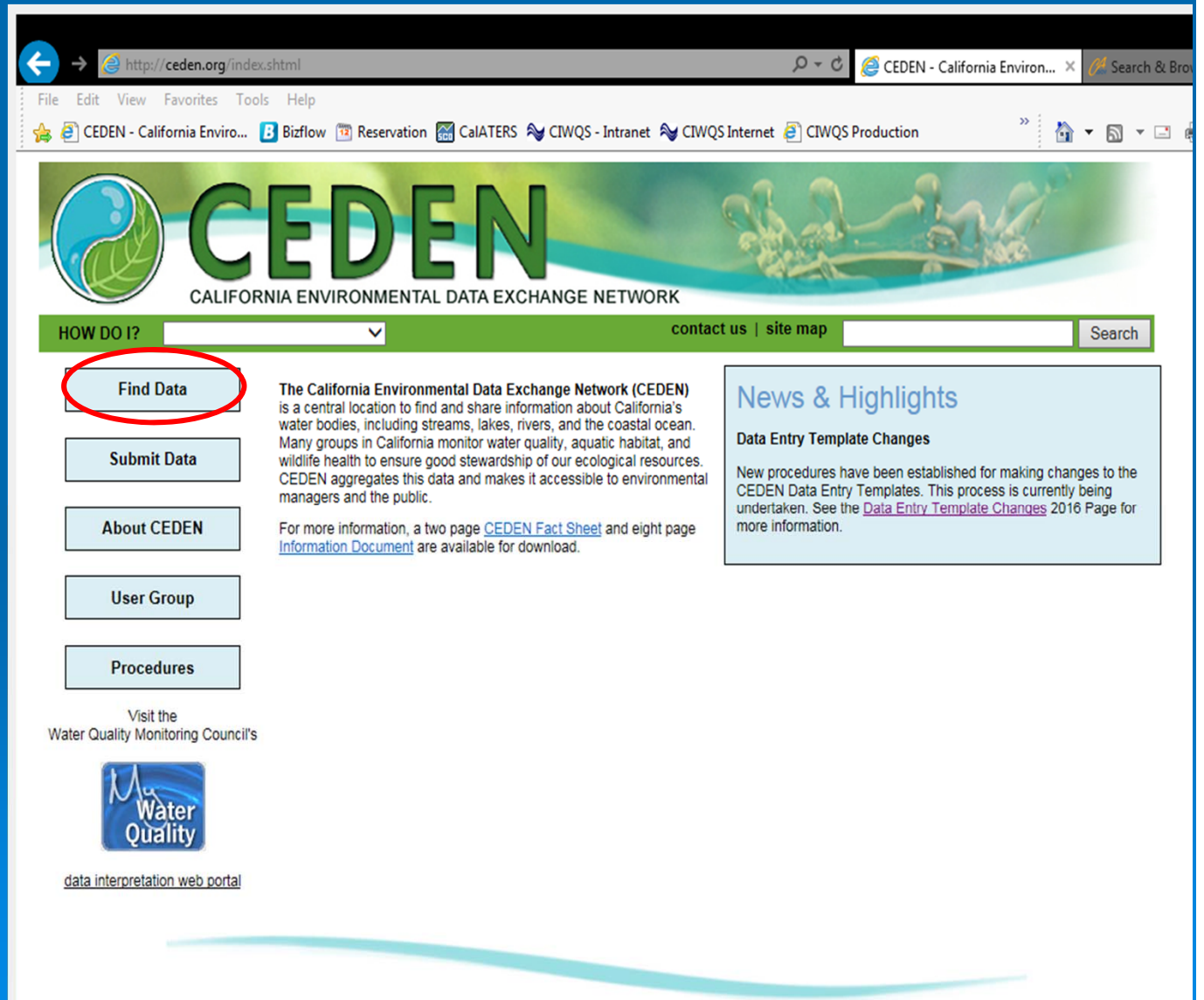


Data Types Available

- Data types
 - Chemistry
 - Toxicity
 - Tissue
 - Benthic
 - Habitat
- QA data

Data Access

- Ceden.org
 - Find data



The screenshot shows the CEDEN website interface. At the top, there is a browser address bar with the URL <http://ceden.org/index.shtml>. Below the browser, a navigation menu includes links for "File", "Edit", "View", "Favorites", "Tools", and "Help". A secondary menu contains links for "CEDEN - California Enviro...", "Bizflow", "Reservation", "CalATERS", "CIWQS - Intranet", "CIWQS Internet", and "CIWQS Production".

The main header features the CEDEN logo (a stylized globe with a leaf) and the text "CEDEN CALIFORNIA ENVIRONMENTAL DATA EXCHANGE NETWORK". Below the header is a navigation bar with "HOW DO I?" and a dropdown menu, "contact us | site map", and a search box.

On the left side, there is a vertical menu of buttons: "Find Data" (circled in red), "Submit Data", "About CEDEN", "User Group", and "Procedures".

The main content area contains a paragraph: "The California Environmental Data Exchange Network (CEDEN) is a central location to find and share information about California's water bodies, including streams, lakes, rivers, and the coastal ocean. Many groups in California monitor water quality, aquatic habitat, and wildlife health to ensure good stewardship of our ecological resources. CEDEN aggregates this data and makes it accessible to environmental managers and the public." Below this is a link: "For more information, a two page [CEDEN Fact Sheet](#) and eight page [Information Document](#) are available for download."

On the right side, there is a "News & Highlights" section with a sub-heading "Data Entry Template Changes" and a paragraph: "New procedures have been established for making changes to the CEDEN Data Entry Templates. This process is currently being undertaken. See the [Data Entry Template Changes 2016 Page](#) for more information."

At the bottom left, there is a logo for "My Water Quality" and a link: "data interpretation web portal".

Query Tool

- Categories
- Filter criteria
- QA Data
- Email feature

http://ceden.waterboards.ca.gov/AdvancedQueryTool

CE DEN CALIFORNIA ENVIRONMENTAL DATA EXCHANGE NETWORK

Find Data Submit Data About CEDEN contact us | site map Search

Map Satellite

RESULT CATEGORY: Water Quality Toxicity Tissue Benthic Habitat

Turn on automatic station mapping.

Click Map Stations at any time to show currently selected stations on the map

START OVER MAP STATIONS HELP

Missing Georeferences Info

Region Type Selection: County

SELECT COUNTIES Do not limit search by Counties

SELECT PROGRAMS Do not limit search by Programs

SELECT PROJECTS Do not limit search by Projects

SELECT PARAMETER GROUPS Do not limit search by Parameter Groups

SELECT PARAMETERS Do not limit search by Parameters

SELECT STATIONS Do not limit search by Stations (Stations missing lat/lngs will be shown in red.)

SELECT MATRIXES Do not limit search by Matrixes

Search Text: region search program search project search group search parameter search station search matrix search

Available date range: Jan-01-1950 to Sep-30-2015

From: To: [Clear Dates] Show Controlled Vocabulary

RETRIEVE DATA All Rows First 1000 Records Only First 60000 Records Only Include QA Data Record Count: 5102417 Download Format: text

Note: If number of records exceeds 60000, the data will be zipped and emailed to you.

Why is this site best viewed with Firefox?

43

Filter Criteria

Click blue box to enable filter criteria pick list

The screenshot shows the CEDEN AdvancedQueryTool web application. The browser address bar displays the URL <http://ceden.waterboards.ca.gov/AdvancedQueryTool>. The page features the CEDEN logo and navigation tabs for "Find Data", "Submit Data", and "About CEDEN". A map of California is displayed on the left side. On the right side, there is a "RESULT CATEGORY:" section with radio buttons for "Water Quality", "Toxicity", "Tissue", "Benthic", and "Habitat". Below this, there is a checkbox for "Turn on automatic station mapping". A "START OVER" button is highlighted in blue. There are also buttons for "MAP STATIONS" and "HELP". A "County" dropdown menu is set to "Do not limit search by Counties". Other search filters include "Do not limit search by Programs", "Do not limit search by Projects", and "Do not limit search by Parameter Groups". A "DONE" button is visible. A list of chemical parameters is shown, including "Acenaphthene-d10(Surrogate), Total", "Acenaphthene, Dissolved", "Acenaphthene, Particulate", "Acenaphthylene, Total", "Acenaphthylene-d8(Surrogate), Dissolved", "Acenaphthylene-d8(Surrogate), Particulate", "Acenaphthylene-d8(Surrogate), Total", "Acenaphthylene, Dissolved", "Acenaphthylene, Particulate", and "Acenaphthylene, Total". There are checkboxes for "Do not limit search by Stations" and "Do not limit search by Matrixes". The "Available date range" is set to "Jan-01-1950 to Sep-30-2015". The "From:" and "To:" date pickers are visible. The page number "44" is shown in the bottom right corner.

Map Stations

The screenshot displays the CEDEN AdvancedQueryTool interface. At the top, the browser address bar shows the URL <http://ceden.waterboards.ca.gov/AdvancedQueryTool>. The page header features the CEDEN logo (California Environmental Data Exchange Network) and navigation links for "Find Data", "Submit Data", and "About CEDEN".

The main content area is split into two panels. The left panel shows a map of the Sacramento-San Joaquin River Delta region with numerous blue location pins representing monitoring stations. The right panel contains search and filter options:

- RESULT CATEGORY:** Radio buttons for Water Quality, Toxicity, Tissue, Benthic, and Habitat.
- Turn on automatic station mapping.
- Click Map Stations at any time to show currently selected stations on the map.
- Buttons: **START OVER**, **MAP STATIONS**, **HELP**.
- [Missing Georeferences Info](#)
- Region Type Selection:** A dropdown menu set to "County".
- Buttons: **SELECT COUNTIES**, **SELECT PROGRAMS**, **SELECT PROJECTS**, **SELECT PARAMETER GROUPS**, **SELECT PARAMETERS**, **SELECT STATIONS**, **SELECT MATRIXES**.
- Filters: "Do not limit search by Programs", "Do not limit search by Projects", "Do not limit search by Parameter Groups", "Do not limit search by Parameters", "Do not limit search by Matrixes".
- Available date range:** Mar-05-1993 to Aug-19-2014.
- From: [Dropdown] [Dropdown] [Dropdown]
- [Show Controlled Vocabulary](#)

At the bottom right, there is a zoom level indicator set to 100%.

Station Data

The screenshot displays the CE DEN website interface. On the left, a map shows the Sacramento region with numerous station markers. A tooltip for station 114C13LSA is visible, showing its name and a link to 'Parameter Counts'. The main content area features a search filter panel with options for 'RESULT CATEGORY', 'Region Type Selection' (set to County), and various 'SELECT' buttons for Counties, Programs, Projects, Parameter Groups, Parameters, and Stations. A table on the right provides detailed monitoring data for station 114C13LSA.

Station Information: 114C13LSA				
Latitude: 38.425201 Longitude: -121.03990199999998				
Project	Parameter	From Date	To Date	Result Count
RWQCB1 Russian River TMDL	Bacteroidales, Human, Total	2012-12-03	2013-04-04	4
	Bacteroidales, Universal, Total	2012-12-03	2013-04-04	4
	Coliform, Total	2012-12-03	2013-04-04	4
	E. coli	2012-12-03	2013-04-04	4
	Enterococcus	2012-12-03	2013-04-04	4

<http://ceden.waterboards.ca.gov/AdvancedQueryTool>
 File Edit View Favorites Tools Help
 CEDEn - California Environ... Bizflow Reservation CalATERS CIWQS - Intranet CIWQS Inter...

Station: Unnamed Tributary at Market Street-114C13LSA X
 Code: 114C13LSA
[Parameter Counts](#)

Click Map
START
 Missing C
 Region
SELECT
SELECT
SELECT
SELECT
SELECT
SELECT
SELECT
SELECT
SELECT

Available date range: **Mar-05-1993 to Aug-19-2014** ?
 From: [] [] [] ?
 To: [] [] [] [Clear Dates] [Show Controlled Vocabulary](#)
RETRIEVE DATA

All Rows
 First 1000 Records Only
 First 60000 Records Only
 Record Count: 225947
 Download Format: text
 Include QA Data

Note: If number of records exceeds 60000, the data will be zipped and emailed to you.

[Why is this site best viewed with Firefox?](#)
[Please contact us for help or to report issues.](#)

CEDEn.org - Internet Explorer provided by Internet Explorer provided by SWRCB.
 File Edit View Favorites Tools Help

CEDEn Data Retrieval: Email Processing

Since your request will have more than 60000 rows we will need to email your data in a zip file.

[NOTE: Some users have not gotten their email because CEDEn is being mistakenly blocked by their networks or ISPs as spam. Please let us know if this happens so we can ask them to let our email to you pass through.]

Please enter your email address:

EMAIL DATA

Results Screen Shot

ceden_data_retrieval_2016311981 [Read-Only] - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View Add-Ins OnBase Acrobat

Clipboard Font Alignment Number Styles Cells Editing

O7 AID05.15.08

Program	ParentProject	StationName	StationCode	SampleDate	CollectionTime	LocationCode	CollectionDepth	UnitCollectionDepth	SampleTypeCode	CollectionReplicate	ResultsReplicate	LabBatchID	MatrixName	MethodName	Analyte	Unit
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	5/15/2008	8:05:00	Midchann	0.1 m	Not Recor	1	1			samplewa	FieldMea:	pH	none	
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	5/15/2008	8:05:00	Midchann	0.1 m	Not Recor	1	1			samplewa	FieldMea:	ElectricalC	uS/cm	
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	5/15/2008	8:05:00	Midchann	0.1 m	Not Recor	1	1			samplewa	FieldMea:	Oxygen, D mg/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	5/15/2008	8:05:00	Midchann	0.1 m	Not Recor	1	1			samplewa	FieldMea:	SpecificCc	uS/cm	
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	5/15/2008	8:05:00	Midchann	0.1 m	Not Recor	1	1			samplewa	FieldMea:	Temperat	Deg C	
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	5/15/2008	8:05:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID05.15.(	samplewa	EPA 8081A	Bifenthrin	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	5/15/2008	8:05:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID05.15.(	samplewa	EPA 8081A	Cyfluthrin	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	5/15/2008	8:05:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID05.15.(	samplewa	EPA 8081A	Fenpropr	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	5/15/2008	8:05:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID05.15.(	samplewa	EPA 8081A	Cyhalothr	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	5/15/2008	8:05:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID05.15.(	samplewa	EPA 8081A	Cypermeth	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	5/15/2008	8:05:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID05.15.(	samplewa	EPA 8081A	Permethri	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	5/15/2008	8:05:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID05.15.(	samplewa	EPA 8081A	Deltamet	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	5/15/2008	8:05:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID05.15.(	samplewa	EPA 8081A	Esfenvale	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	6/24/2008	17:00:00	Midchann	0.1 m	Not Recor	1	1			samplewa	FieldMea:	ElectricalC	uS/cm	
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	6/24/2008	17:00:00	Midchann	0.1 m	Not Recor	1	1			samplewa	FieldMea:	pH	none	
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	6/24/2008	17:00:00	Midchann	0.1 m	Not Recor	1	1			samplewa	FieldMea:	Temperat	Deg C	
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	6/24/2008	17:00:00	Midchann	0.1 m	Not Recor	1	1			samplewa	FieldMea:	Oxygen, D mg/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	6/24/2008	17:00:00	Midchann	0.1 m	Not Recor	1	1			samplewa	FieldMea:	SpecificCc	uS/cm	
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	6/24/2008	17:00:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID 06.24.	samplewa	EPA 8081A	Cypermeth	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	6/24/2008	17:00:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID 06.24.	samplewa	EPA 8081A	Deltamet	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	6/24/2008	17:00:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID 06.24.	samplewa	EPA 8081A	Permethri	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	6/24/2008	17:00:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID 06.24.	samplewa	EPA 8081A	Bifenthrin	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	6/24/2008	17:00:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID 06.24.	samplewa	EPA 8081A	Cyfluthrin	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	6/24/2008	17:00:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID 06.24.	samplewa	EPA 8081A	Cyhalothr	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	6/24/2008	17:00:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID 06.24.	samplewa	EPA 8081A	Fenpropr	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	6/24/2008	17:00:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID 06.24.	samplewa	EPA 8081A	Esfenvale	ug/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	8/4/2008	17:45:00	Midchann	0.1 m	Not Recor	1	1			samplewa	FieldMea:	SpecificCc	uS/cm	
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	8/4/2008	17:45:00	Midchann	0.1 m	Not Recor	1	1			samplewa	FieldMea:	ElectricalC	uS/cm	
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	8/4/2008	17:45:00	Midchann	0.1 m	Not Recor	1	1			samplewa	FieldMea:	pH	none	
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	8/4/2008	17:45:00	Midchann	0.1 m	Not Recor	1	1			samplewa	FieldMea:	Temperat	Deg C	
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	8/4/2008	17:45:00	Midchann	0.1 m	Not Recor	1	1			samplewa	FieldMea:	Oxygen, D mg/L		
Surface W SWAMP R	RW5BL De Andrus Isl	510LSACO:	8/4/2008	17:45:00	Midchann	0.1 m	Grab	1	1	1 SIU_REPO AID 08.04.	samplewa	EPA 8081A	Bifenthrin	ug/L		

ceden_data_retrieval_2016311981

Ready 100%

Other Access

- greengov.data.ca.gov
- Water Quality Exchange (WQX)
 - EPA's STOrage and RETrival (STORET) System
 - National Water Quality Portal
- In Development – web services

Why are these data important?

- It is the “pudding”

Contact Information

- Jarma Bennett
 - 916-341-5532
 - Jarma.bennett@waterboards.ca.gov
- CEDEN User Group
 - Monthly remote meetings
 - Email ceden@waterboards.ca.gov

Data Available Through GeoTracker and GeoTracker GAMA

Aaron Button

Matt Cohen

State Water Resources Control Board - Data Fair

March 18, 2016

Presentation Overview

- I. Available Information
- II. GeoTracker/GeoTracker GAMA Interfaces
- III. Information Accessibility
- IV. Future Modifications



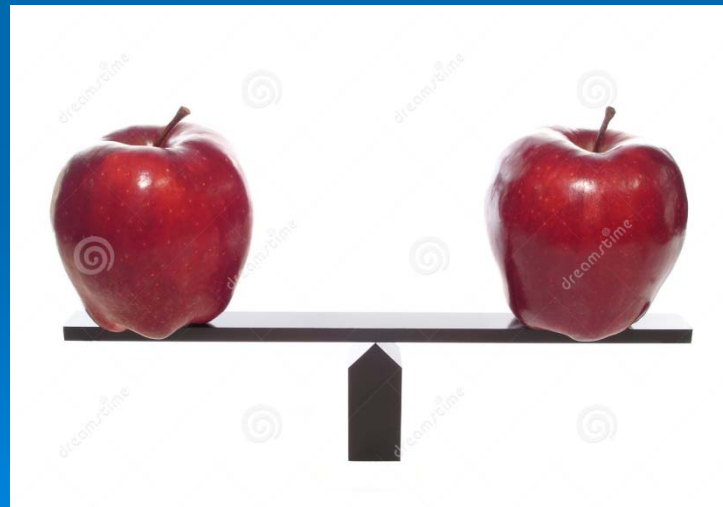
I. Available Information

- Regulated sites and permitted facilities
- Groundwater well locations
 - Range from actual to within 1 mile
- Groundwater chemical information
- Groundwater elevation data
- Soil boring and well construction information

Available Information Cont.

Data Standardization

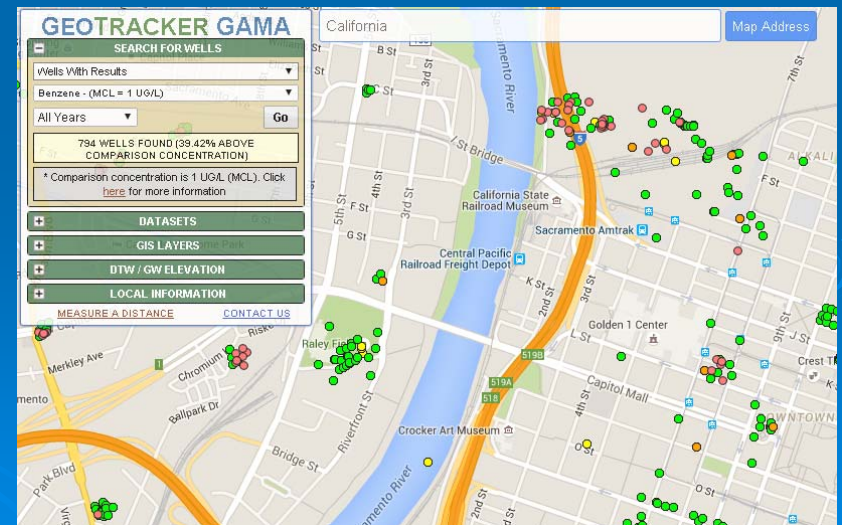
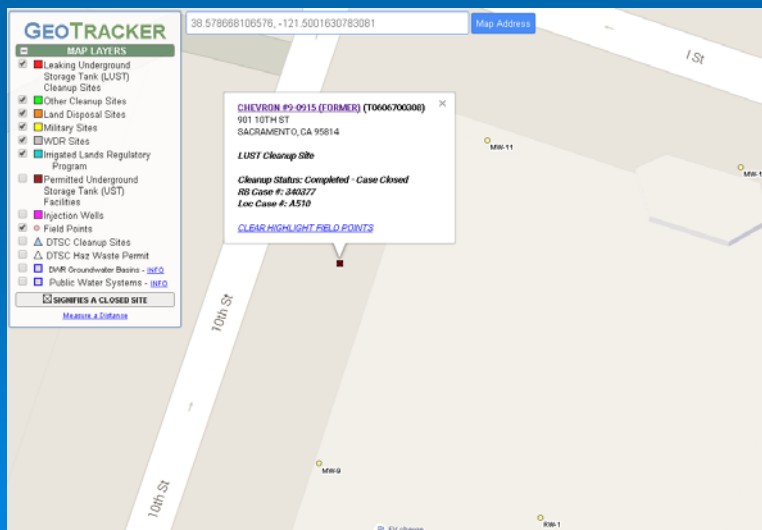
- Convert units
- Standardize chemical name
- Ex: Nitrate (N) to Nitrate (NO₃)



II. GeoTracker/GeoTracker GAMA

Two User Interfaces

- GeoTracker supports project management of cleanup sites and permitted facilities
- GeoTracker GAMA provides spatial display and querying of groundwater information from several sources



III. Information Accessibility

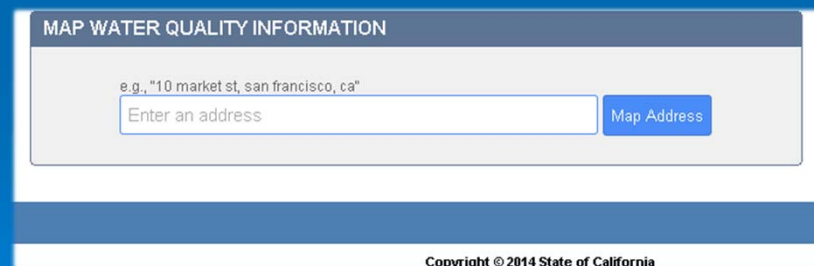
Getting started - Visit:

➤ geotracker.waterboards.ca.gov/gama/

or

geotracker.waterboards.ca.gov

➤ Enter: address, intersection, lat/long, zip code, city, or Public land survey system (PLSS)

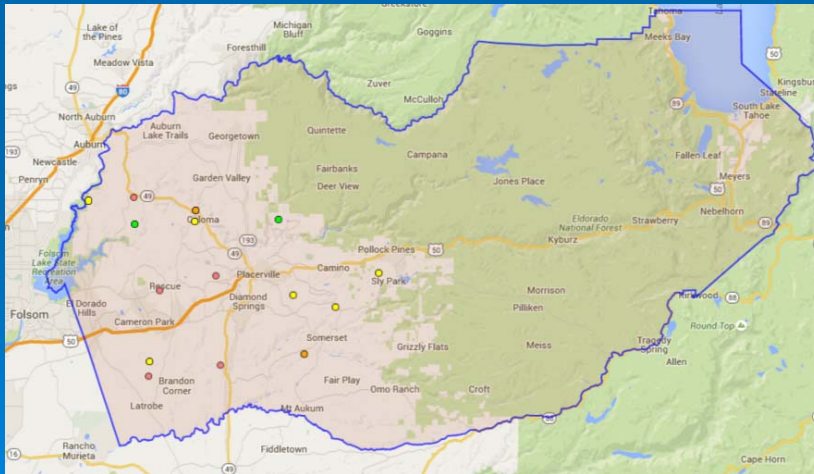


The screenshot shows a web interface titled "MAP WATER QUALITY INFORMATION". It features a search input field with the placeholder text "Enter an address" and a blue button labeled "Map Address". Above the input field, there is a small example text: "e.g., '10 market st, san francisco, ca'". At the bottom of the interface, there is a copyright notice: "Copyright © 2014 State of California".

Data Access

Information can be:

1. Visually displayed, or
2. Exported to table



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	VYELL	NA	APPROX	APPROX	CHEMICAL	QUALIFIER	RESULT	UNITS	DATE	DATASET	DATASET	COUNTY	RB	GVY_BASIN	ASSEMBLY	SENATE
2	ED 612	38.843	-120.821	AG	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
3	ED 612	30.043	-120.821	AL	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
4	ED 612	38.843	-120.821	ALXB	>		11 MG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
5	ED 612	38.843	-120.821	AS	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
6	ED 612	30.043	-120.821	BA	>		0.012 MG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
7	ED 612	38.843	-120.821	BDOME	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
8	ED 612	38.843	-120.821	BE	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
9	ED 612	30.043	-120.821	BRME	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
10	ED 612	38.843	-120.821	BTBZM	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
11	ED 612	38.843	-120.821	BTBZV	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
12	ED 612	30.043	-120.821	BTBZT	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
13	ED 612	30.043	-120.821	BZ	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
14	ED 612	30.043	-120.821	BZME	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
15	ED 612	38.843	-120.821	CA	>		3.3 MG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
16	ED 612	38.843	-120.821	CD	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
17	ED 612	30.043	-120.821	CDV	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
18	ED 612	38.843	-120.821	CL	<		4.1 MG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
19	ED 612	38.843	-120.821	CLBZ	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
20	ED 612	30.043	-120.821	CLBZME2	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
21	ED 612	38.843	-120.821	CLBZME4	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
22	ED 612	30.043	-120.821	CN	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
23	ED 612	30.043	-120.821	CULIFORM	>		0 Count	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
24	ED 612	38.843	-120.821	CR	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
25	ED 612	30.043	-120.821	CTCL	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
26	ED 612	38.843	-120.821	CU	>		0.028 MG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
27	ED 612	38.843	-120.821	DCOME	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
28	ED 612	30.043	-120.821	D8CP	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
29	ED 612	38.843	-120.821	DCA11	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
30	ED 612	38.843	-120.821	DCA12	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
31	ED 612	30.043	-120.821	DCEB212	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
32	ED 612	38.843	-120.821	DCEB213	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
33	ED 612	38.843	-120.821	DCEB214	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
34	ED 612	38.843	-120.821	DCEB11	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
35	ED 612	38.843	-120.821	DCE12C	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
36	ED 612	30.043	-120.821	DCE12T	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
37	ED 612	38.843	-120.821	DCA	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
38	ED 612	38.843	-120.821	DCAP12	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
39	ED 612	30.043	-120.821	EB2	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
40	ED 612	38.843	-120.821	ED8	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
41	ED 612	38.843	-120.821	F	>		0.1 MG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
42	ED 612	30.043	-120.821	FD11	<		1 UG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1
43	ED 612	38.843	-120.821	FD113	<		0.001 MG/L	5/6/2004	WATER	SL	GAMA	EL DORADO	S	NO BASIN	5	1

Program Related Reports

REPORTS

- [Cases with Well Destruction Directive](#)
- [Cleanup Sites By County](#)
- [Cleanup Sites By DWR Groundwater Sub-Basin](#)
- [Cleanup Sites By Regional Board Watershed](#)
- [Closure Denial Review Report](#)
- [CUF Open Case Age/Paid Amt/Concentration Report](#)
- [CUF Active Claims](#)
- [CUF Priority List](#)
- [Deed Restrictions / Land Use Restrictions / Covenants](#)
- [Historical Hazardous Substance Storage Information](#)
- [Low Threat Closure Policy Summary](#)
- [Petitions for Closure to State Water](#)

LOW THREAT CLOSURE POLICY REVIEW FY 13/14 SUMMARY REPORT BY REGIONAL BOARD BOUNDARY

SPECIFICALLY FOR THIS REPORT, THE "LTCP" LEAD AGENCY FOR SOME CASES IS "US" CHECK HERE TO OVERRIDE THIS AND USE THE

ORGANIZATION NAME	Not Yet Reviewed	Review in Progress	LTC
NORTH COAST RWQCB (REGION 1)	11	52	
SAN FRANCISCO BAY RWQCB (REGION 2)	91	49	
CENTRAL COAST RWQCB (REGION 3)	9	14	
LOS ANGELES RWQCB (REGION 4)	70	16	
CENTRAL VALLEY RWQCB (REGION 5S)	13	42	
CENTRAL VALLEY RWQCB (REGION 5R)	1	8	
CENTRAL VALLEY RWQCB (REGION 5F)	12	9	
LAHONTAN RWQCB (REGION 6T)	4	8	
LAHONTAN RWQCB (REGION 6V)	0	0	
COLORADO RIVER BASIN RWQCB (REGION 7)	3	2	
SANTA ANA RWQCB (REGION 8)	7	9	
SAN DIEGO RWQCB (REGION 9)	10	43	
SWRCB-DWQ	1	2	
UST CLEAN UP FUND	1	55	
NO REGIONAL BOARD SPECIFIED	9	0	
TOTALS	233	319	

Groundwater Chemical Data

GEOTRACKER GAMA

SEARCH FOR WELLS

Wells With Results

Any Chemical

All Years

Go

571 WELLS FOUND (67.78% ABOVE COMPARISON CONCENTRATION)

* The list of comparison concentrations can be found [here](#).

DATASETS

GIS LAYERS

DTW / GW ELEVATION

LOCAL INFORMATION

[MEASURE A DISTANCE](#) [CONTACT US](#)

California

Wells With Results

- All Wells
- Wells With Results Above Comparison Concentration
- Wells With Results

Chemical Groups

Any Chemical

Specific Chemicals

- 1,1 Dichloroethylene (1,1 DCE) - (MCL = 6 UG/L)
- 1,1,1-Trichloroethane - (MCL = 200 UG/L)
- 1,1,2,2 Tetrachloroethane (PCA) - (MCL = 1 UG/L)
- 1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon 113) - (MCL = 1.2 MG/L)
- 1,1,2-Trichloroethane - (MCL = 5 UG/L)
- 1,1-Dichloroethane (1,1 DCA) - (MCL = 5 UG/L)
- 1,2 Dibromoethane (EDB) - (MCL = 0.05 UG/L)
- 1,2 Dichlorobenzene (1,2-DCB) - (MCL = 600 UG/L)
- 1,2 Dichloroethane (1,2 DCA) - (MCL = 0.5 UG/L)
- 1,2 Dichloropropane (1,2 DCP) - (MCL = 5 UG/L)
- 1,2,3-Trichloropropane (1,2,3 TCP) - (HAL-US = 40 UG/L)
- 1,2,4 Trichlorobenzene (1,2,4 TCB) - (MCL = 5 UG/L)
- 1,2,4-Trimethylbenzene - (NL = 330 UG/L)
- 1,2-Dibromo-3-chloropropane (DBCP) - (MCL = 0.2 UG/L)
- 1,3 Dichloropropene - (MCL = 0.5 UG/L)
- 1,3,5-Trimethylbenzene - (NL = 330 UG/L)
- 1,3-Dichlorobenzene - (NL = 600 UG/L)

All Years

- Past 1 Year
- Past 3 Years
- Past 10 Years
- All Years

Depth to Water / Groundwater Elevation

GEOTRACKER GAMA

SEARCH FOR WELLS

DATASETS

GIS LAYERS

DTW / GW ELEVATION

DEPTH-TO-WATER

GROUNDWATER ELEVATION

SHOW THE DTW (IN FEET) FOR

DWR WELLS

Past 10 Years Go [INFO](#)

LOCAL INFORMATION

MEASURE A DISTANCE CONTACT US

Well ID: 387000N1213529W004

Median DTW: 210.11 feet

[VIEW ALL DEPTH-TO-WATER DATA FOR THIS WELL](#)

DWR WELLS

ENVIRONMENTAL MONITORING WELLS

DWR WELLS

387000N1213529W004 - DEPTH-TO-WATER / GROUNDWATER ELEVATION INFORMATION

DATE	DEPTH-TO-WATER (FEET BGS)	GROUNDWATER ELEVATION (FEET MSL)
10/15/2014	224.11	-51.76
3/25/2014	197.11	-24.76
10/11/2013	213.11	-40.76
4/9/2013	210.11	-37.76
10/22/2012	217.11	-44.76
4/12/2012	208.11	-35.76
10/13/2011	190.11	-17.76

Data Filters

The screenshot displays the GEOTRACKER GAMA web application interface. On the left is a sidebar with navigation and filter options. The main area shows a map of California with numerous red dots representing wells. Two dropdown menus are open to show filter options.

GEOTRACKER GAMA

- SEARCH FOR WELLS
- DATASETS
- GIS LAYERS
 - Select a GIS Layer
 - SELECTING A GIS LAYER ABOVE WILL LIMIT YOUR QUERY TO RESULTS IN THAT GIS LAYER
 - Other GIS Coverages:**
 - HYDRO FRACTURED WELLS
 - OIL / GAS FIELD BOUNDARIES
 - TOWNSHIPS - ZOOM IN
 - PCAS **ALL PCAS**
- DTW / GW ELEVATION
- LOCAL INFORMATION
 - [MEASURE A DISTANCE](#)
 - [CONTACT US](#)

Select a GIS Layer

- Select a GIS Layer
- Counties
- Groundwater Basins
- Regional Board Boundaries
- Assembly Districts
- Senate Districts
- Hydrogeologic Vulnerable Areas
- GAMA Study Areas

ALL PCAS

- ALL PCAS
- GT - LUST CLEANUP
- GT - OTHER CLEANUP
- GT - LAND DISPOSAL
- GT - MILITARY
- GT - WDR

Well Construction Information

GEOTRACKER GAMA

- SEARCH FOR WELLS
- DATASETS
- GIS LAYERS
- DTW / GW ELEVATION
- LOCAL INFORMATION

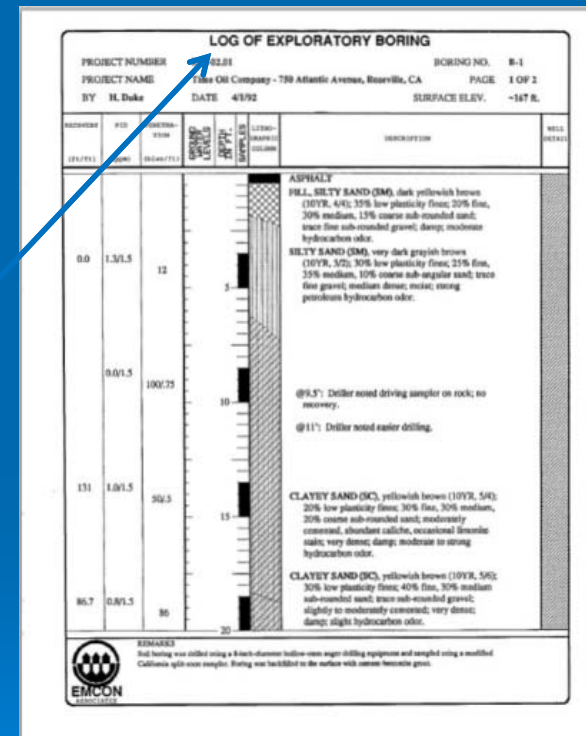
CITY
FOOTHILL FARMS

COUNTY
SACRAMENTO - [VIEW WATER REPORTS](#)

GROUNDWATER BASIN
SACRAMENTO VALLEY - NORTH AMERICAN (5-21.64)

[VIEW 242 ENVIRONMENTAL MONITORING WELL BORING LOGS](#)

[MEASURE A DISTANCE](#) [CONTACT US](#)



Download Data

GEOTRACKER GAMA

SEARCH FOR WELLS

DATASETS

ENVIRONMENTAL MONITORING:

- Monitoring Wells - Water Board Regulated
- Irrigated Lands Regulatory Program

SUPPLY WELLS:

- Public Supply Wells
- GAMA - SWRCB Domestic
- GAMA - USGS
- GAMA - LLNL
- DPR
- DWR
- USGS - MWS

[DOWNLOAD MAP DATA](#)

[DOWNLOAD DATA BY COUNTY](#)

ADDITIONAL DATASET INFORMATION (193)

GIS LAYERS

Counties

EL DORADO COUNTY

SELECTING A GIS LAYER ABOVE WILL LIMIT YOUR QUERY TO RESULTS IN THAT GIS LAYER

Other GIS Coverages:

- HYDRO FRACTURED WELLS
- OIL / GAS FIELD BOUNDARIES
- TOWNSHIPS - ZOOM IN
- PCAS ALL PCAS

DTW / GW ELEVATION

LOCAL INFORMATION

[MEASURE A DISTANCE](#) [CONTACT US](#)

GeoTracker GAMA Home | GAMA Home | **Download GAMA Data** | SWRCB Home | GAMA Tutorial

INFORMATION

- GeoTracker GAMA Home
- GAMA Home
- SWRCB Home
- **Download Data**

Welcome to GeoTracker GAMA

MAP WATER QUALITY INFORMATION

e.g., "10 market st, san francisco, ca"

Enter an address

Download Tabular Data by Map Area

The screenshot displays the GEOTRACKER GAMA web application interface. On the left, there are several panels for filtering and data management:

- SEARCH FOR WELLS:** Includes filters for "Wells With Results Above Comparison Concentration", "Nitrate as NO3 - (MCL = 45 MG/L)", and "Past 10 Years". A "Go" button is present. Below this, it states "63 WELLS FOUND" and provides a link for more information.
- DATASETS:** Contains two sections: "ENVIRONMENTAL MONITORING" (with checked options for "Monitoring Wells - Water Board Regulated" and "Irrigated Lands Regulatory Program") and "SUPPLY WELLS" (with checked options for "Public Supply Wells", "GAMA - SWRCB Domestic", "GAMA - USGS", "GAMA - LLNL", "DPR", "DWR", and "USGS - NMS").
- DOWNLOAD MAP DATA** and **DOWNLOAD DATA BY COUNTY** buttons are visible.
- ADDITIONAL DATASET INFORMATION** link.
- GIS LAYERS:** Shows "Groundwater Basins" selected, with "SALINAS VALLEY - EAST SIDE AQUIFER (3-4.02)" chosen. A note states: "SELECTING A GIS LAYER ABOVE WILL LIMIT YOUR QUERY TO RESULTS IN THAT GIS LAYER". Below are "Other GIS Coverages" with checkboxes for "HYDRO FRACTURED WELLS", "OIL / GAS FIELD BOUNDARIES", "TOWNSHIPS - ZOOM IN", and "PCAS".
- DTW / GW ELEVATION** and **LOCAL INFORMATION** sections are partially visible.

The main map area shows a topographic view of the Salinas Valley region in California, United States. A blue arrow points from the "DOWNLOAD DATA BY COUNTY" button to a dropdown menu that is open, showing the option "SALINAS VALLEY - E...zip". The map includes labels for various locations such as Castroville, Prunedale, Boronda, Salinas, Chualar, and Soledad, as well as landmarks like Fort Ord National Monument and Toro County Park. The map data is dated 2015.

Download Tabular Data by County

GEOTRACKER GAMA

SEARCH FOR WELLS

DATASETS

- ENVIRONMENTAL MONITORING:
 - Monitoring Wells - Water Board Regulated
 - Irrigated Lands Regulatory Program
- SUPPLY WELLS:
 - Public Supply Wells
 - GAMA - SWRCB Domestic
 - GAMA - USGS
 - GAMA - LLNL
 - DPR
 - DWR
 - USGS - MWS

DOWNLOAD MAP DATA

DOWNLOAD DATA BY COUNTY

ADDITIONAL DATASET INFORMATION (19)

GIS LAYERS

Counties

EL DORADO COUNTY

SELECTING A GIS LAYER ABOVE WILL LIMIT YOUR QUERY TO RESULTS IN THAT GIS LAYER

Other GIS Coverages:

- HYDRO FRACTURED WELLS
- OIL / GAS FIELD BOUNDARIES
- TOWNSHIPS - ZOOM IN
- PCAS ALL PCAS

DTW / GW ELEVATION

LOCAL INFORMATION

MEASURE A DISTANCE CONTACT US

Sacramento, CA, United States

Map Address

GAMA DATA DOWNLOAD - TAB DELIMITED FORMAT

- Alameda** [CDPH] [DPR] [DWR] [EDF] [LLNL] [USGS] [USGSNWS] [ALL DATA]
- Alpine** [CDPH] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Amador** [CDPH] [EDF] [GAMA DOMESTIC] [LLNL] [USGS] [ALL DATA]
- Butte** [CDPH] [DPR] [DWR] [EDF] [GAMA DOMESTIC] [LLNL] [USGS] [USGSNWS] [ALL DATA]
- Calaveras** [CDPH] [DPR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Colusa** [CDPH] [DPR] [DWR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Contra Costa** [CDPH] [DPR] [DWR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Del Norte** [CDPH] [DPR] [DWR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- El Dorado** [CDPH] [DPR] [DWR] [EDF] [GAMA DOMESTIC] [LLNL] [USGS] [USGSNWS] [ALL DATA]
- Fresno** [CDPH] [DPR] [DWR] [EDF] [GAMA DOMESTIC] [LLNL] [USGS] [USGSNWS] [ALL DATA]
- Glenn** [CDPH] [DPR] [DWR] [EDF] [LLNL] [USGS] [USGSNWS] [ALL DATA]
- Humboldt** [CDPH] [DPR] [DWR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Imperial** [CDPH] [DPR] [DWR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Inyo** [CDPH] [DWR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Kern** [CDPH] [DPR] [DWR] [EDF] [LLNL] [USGS] [USGSNWS] [ALL DATA]
- Kings** [CDPH] [DPR] [DWR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Lake** [CDPH] [DPR] [DWR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Lassen** [CDPH] [DPR] [DWR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Los Angeles** [CDPH] [DPR] [DWR] [EDF] [LLNL] [USGS] [USGSNWS] [ALL DATA]
- Madera** [CDPH] [DPR] [DWR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Marin** [CDPH] [DWR] [EDF] [LLNL] [USGS] [USGSNWS] [ALL DATA]
- Mariposa** [CDPH] [DWR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Mendocino** [CDPH] [DPR] [DWR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Merced** [CDPH] [DPR] [DWR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Modoc** [CDPH] [DPR] [DWR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Mono** [CDPH] [DPR] [DWR] [EDF] [USGS] [USGSNWS] [ALL DATA]
- Monterey** [CDPH] [DPR] [DWR] [EDF] [GAMA DOMESTIC] [LLNL] [USGS] [USGSNWS] [ALL DATA]
- Napa** [CDPH] [DPR] [DWR] [EDF] [LLNL] [USGS] [USGSNWS] [ALL DATA]
- Nevada** [CDPH] [DWR] [EDF] [GAMA DOMESTIC] [LLNL] [USGS] [USGSNWS] [ALL DATA]

gama_cdp_h_alameda.zip

Radius Search

➤ Groundwater quality

GEOTRACKER GAMA

SEARCH FOR WELLS

All Wells

Nitrate as NO₃ - (MCL = 45 MG/L)

Past 10 Years

Go

110 WELLS FOUND

* Comparison concentration is 45 MG/L (MCL). Click [here](#) for more information

DATASETS

GIS LAYERS

DTW / GW ELEVATION

LOCAL INFORMATION

[MEASURE A DISTANCE](#) [CONTACT US](#)

38.543332126932796, -121.48818969726562

Map Address

38.543332126932796, -121.48818969726562

LIMIT TO SITES WITHIN 5280 FEET OF THIS LOCATION

[REMOVE SEARCH RADIUS](#) [DOWNLOAD DATA IN SEARCH RADIUS](#)
[VIEW WATER QUALITY SUMMARY FOR SACRAMENTO COUNTY](#)

RADIUS_EXPORT_NO....zip

Radius Search (cont.)

➤ Groundwater depth/elevation

GEOTRACKER GAMA

- SEARCH FOR WELLS
- DATASETS
- GIS LAYERS
- DTW / GW ELEVATION
 - DEPTH-TO-WATER
 - GROUNDWATER ELEVATION
- SHOW THE GW ELEVATION (IN FEET) FOR
 - ENVIRONMENTAL MONITORING WELLS
 - Past 10 Years
 - Go - [INFO](#)
- LOCAL INFORMATION
 - [MEASURE A DISTANCE](#)
 - [CONTACT US](#)

Sacramento, CA, United States [Map Address](#)

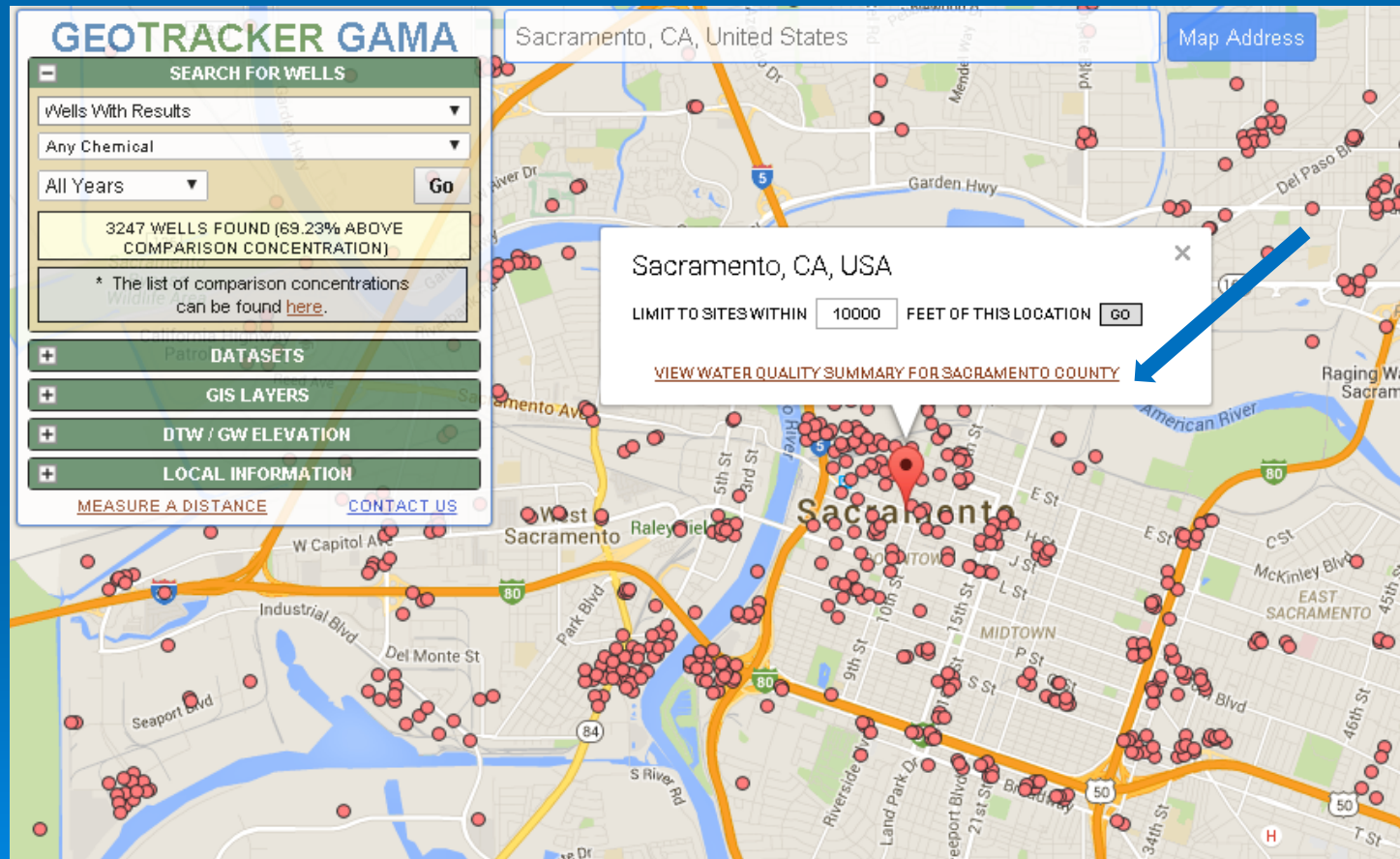
Sacramento, CA, USA

LIMIT TO SITES WITHIN FEET OF THIS LOCATION

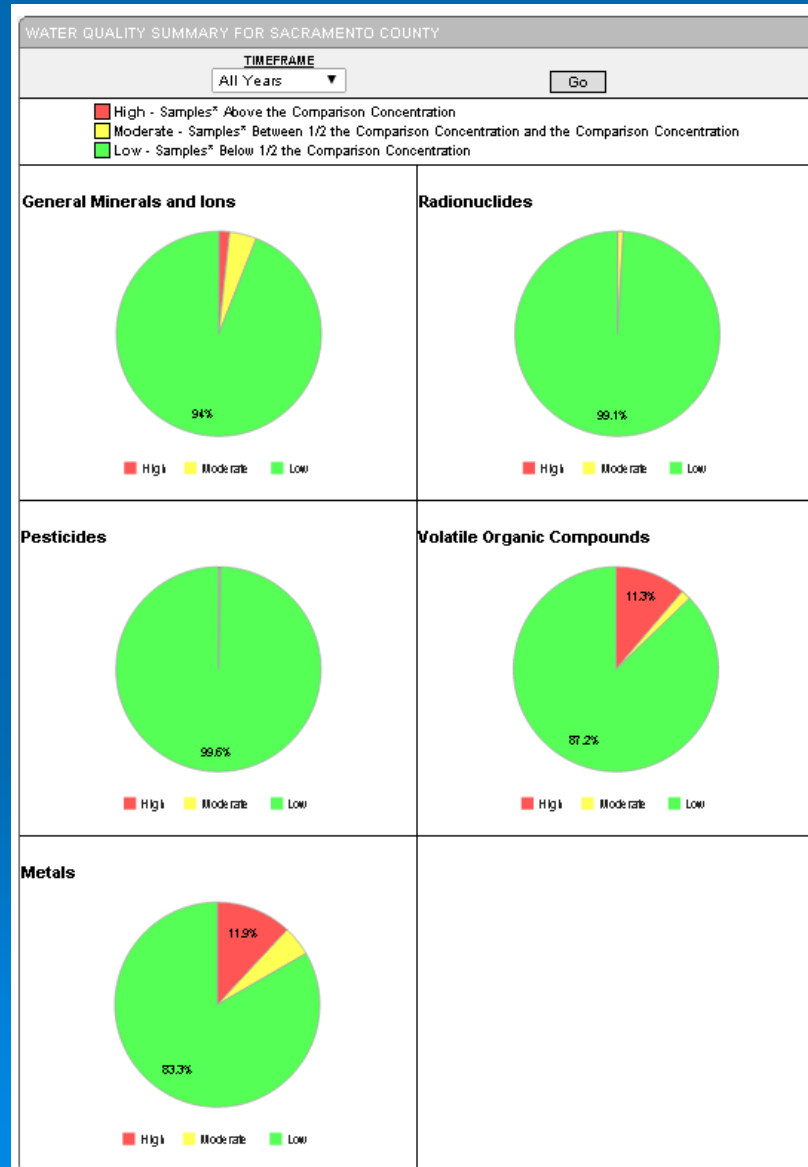
[REMOVE SEARCH RADIUS](#) [DOWNLOAD DATA IN SEARCH RADIUS](#)
[VIEW WATER QUALITY SUMMARY FOR SACRAMENTO COUNTY](#)

dtw_elev_radius (3).zip

Water Quality Summary



Water Quality Summary (cont.)



Concentration vs. Time Graph

GEOTRACKER GAMA Sacramento, CA, United States Map Address

SEARCH FOR WELLS

Wells With Results Above Comparison Concentra

Benzene - (MCL = 1 UG/L)

All Years

3 WELLS FOUND

* Comparison concentration is 1 UG/L (MCL). Click [here](#) for more information

DATASETS

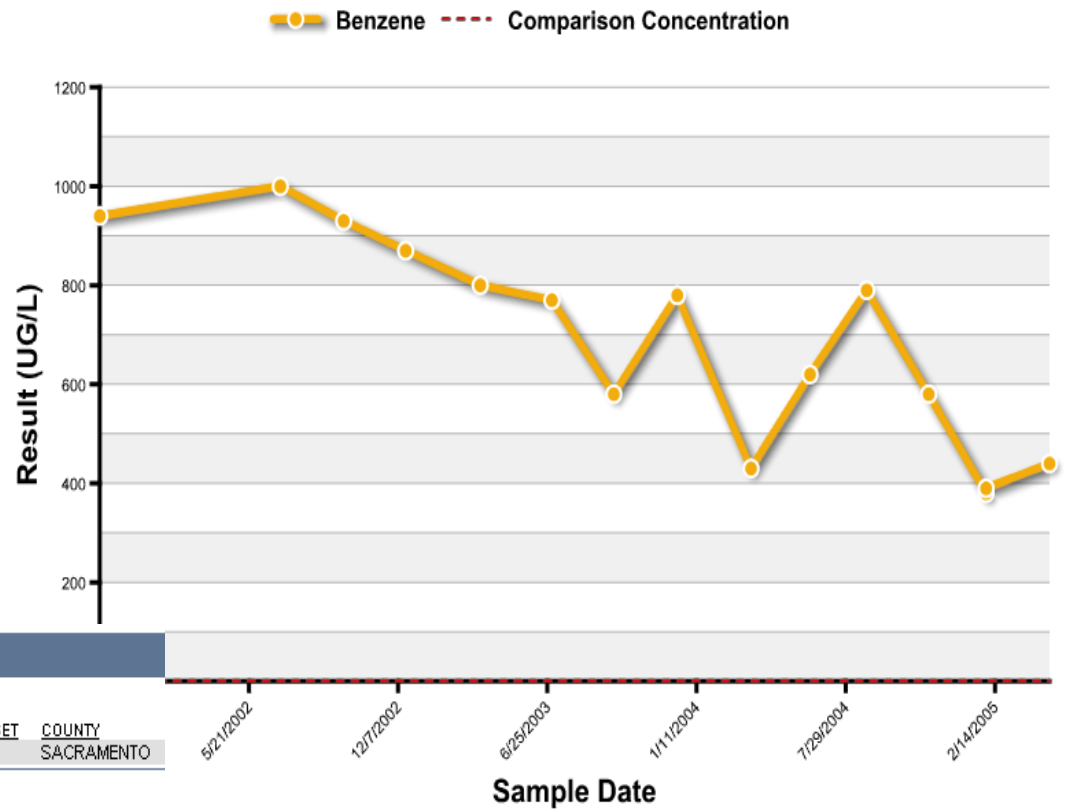
GIS LAYERS

DTW / GW ELEVATION

LOCAL INFORMATION

[MEASURE A DISTANCE](#) [CONTACT US](#)

Benzene Results for MW-4

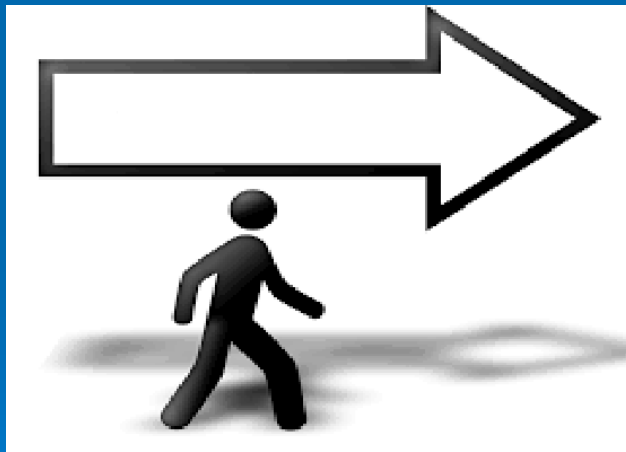


1 WELLS IN THIS CLUSTER - [EXPORT TO EXCEL](#)

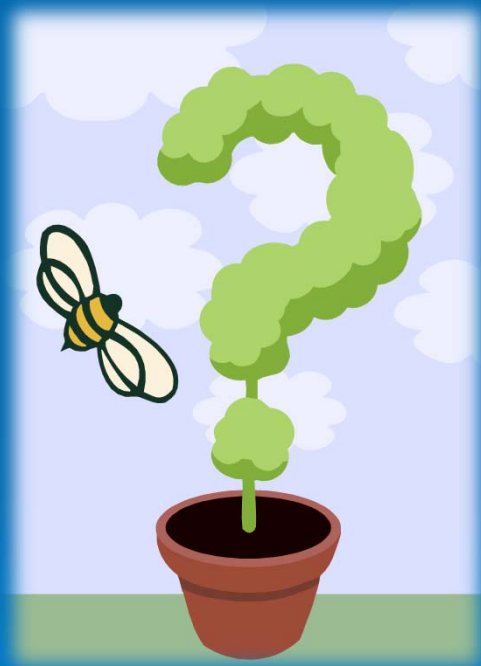
	WELL NAME	DATASET CATEGORY	DATASET	COUNTY
[VIEW GRAPH] [NATIVE DATA]	MW-4	ENVIRONMENTAL MONITORING (WELLS)	EDF	SACRAMENTO

IV. Future Modifications

- **Menu reorganization**
- **Additional data reports and tools**



Questions?



Contact us

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Aaron.Button@waterboards.ca.gov

(916) 341-5577

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Matthew.Cohen@waterboards.ca.gov

(916) 341-5751



Drinking Water Program Datasets

Mark Emmerson, Research
Scientist

SWRCB Division of Drinking
Water, Technical Program
Support

Datasets of Interest

- **Safe Drinking Water Information System (SDWIS)**
 - Characterizes 8000-plus drinking water systems (dynamic)
- **Electronic Annual Reports (EAR)**
 - Operational information from 2011 to 2014 (annual)
- **Water Quality Master (WQM)**
 - Water test results from 1990 to present (dynamic)
- **Conservation Drought Reports (ORPP)**
 - Water usage data from July 2014 to present (monthly)
 - 410 largest urban water suppliers
 - Incorporates DWR PWSS (Form 38?)

SDWIS

- SQL-based
- Around 75 tables with key indexes
- Undocumented
- Used by DDW field staff
- Available through **Drinking Water Watch**
- Lat/Long not available
- Updated dynamically

Drinking Water Division
Water System Details

Water System No. : CA3410004
 Water System Name : CARMICHAEL WATER DISTRICT
 Principal County Served : SACRAMENTO
 Status : A

Federal Type : C
 State Type : C
 Primary Source : GU
 Activity Date : 01-01-1976

Type	Address	Phone	Email - Web Address
Administrative Contact	7837 FAIR OAKS BLVD. CARMICHAEL, CA 95828	Business 916-483-2452	STEVE@CARMICHAELWD.ORG
Physical Location Contact	CA3410004-CARMICHAEL WATER DISTRICT		

Division of Drinking Water District / County Health Dept. Info

Name	Phone	Email	Address
DISTRICT 09 - SACRAMENTO	916-448-5600		1616 CAPITOL AVE. 3RD FLD P.O. BOX 99737 SACRAMENTO CA 95899-7377

Start Month	Start Day	End Month	End Day	Population Type	Population Served
1	1	12	31	R	40000

Type	Count	Meter Type	Meter Size Measure
CB	11242	UN	0

Sources of Water

Name	Type Code	Status
BAJAMONT JUNCTION STRUCTURE-LANDIS 1,2,3	IG	A
BARETT SCHOOL WELL - RAW STANDBY	WL	A
DEWEY WELL (AKA TANK 01) - RAW STANDBY	WL	A
GARFIELD WELL - RAW	WL	A
LA VISTA WELL (AKA TANK 02) - RAW	WL	A
WILLOW PARK WELL - RAW	WL	A
WINDING WAY WELL - RAW STANDBY	WL	A
BARRETT ROAD WELL - INACTIVE	WL	I
COTTAGE WAY WELL - DESTROYED XCLD	WL	I
ENGLE - DESTROYED XCLD	WL	I
HIDDEN RIVER VISTA - ABANDONED	WL	I
JAN DRIVE - DESTROYED XCLD	WL	I
LANDIS COLLECTOR WELL 01 - ABANDONED	WL	I
LANDIS COLLECTOR WELL 02 - ABANDONED	WL	I
LANDIS COLLECTOR WELL 03 - ABANDONED	WL	I
PADDOCK - DESTROYED XCLD	WL	I

Service Areas

Code	Name
R	RESIDENTIAL AREA

Drinking Water Watch
<http://drinc.ca.gov>

Annual Reports (EAR)

- Annual from 2011 to 2014 (2015 cycle ending in June)
- Operational data of public water systems
 - Incorporates DWR PWSS (Form 38?)
 - Water rate information and population
 - Water production and type of use
 - Business location and contacts
- Excel spreadsheets from download site <http://drinc.ca.gov>

LARGE WATER SYSTEM 2013 ANNUAL REPORT TO THE DRINKING WATER PROGRAM FOR YEAR ENDING DECEMBER 31, 2013 <i>[Section 116530 Health & Safety Code]</i>	
WATER SYSTEM INFORMATION	
Water System No.:	CA3410004
Water System Name:	CARMICHAEL WATER DISTRICT
Water System Ownership (See descriptions below):	Local Government *
Physical location: (address line 1, address line 2, city, zip) Note: <u>NOT</u> P.O. Box	7837 FAIR OAKS BLVD. CARMICHAEL 95608
General Office Phone ☎ (with area code)	9164832452
Web site address:	www.carmichaelwd.org
Water System Ownership Descriptions:	
<ul style="list-style-type: none"> • Local Government: e.g., city, county, or special district, local school district, junior colleges, county or community parks, etc. • State or Federal Government: e.g., state or national park, BLM, USFS and COE campgrounds and recreation facilities, state hospitals, State universities and colleges, California Veterans Home, County or District Fairs and Expositions, Caltrans rest stop, military base, other state or federal facility • Privately owned, non-PUC-regulated (Community Water System): e.g., mobile home park, apartment or condominium • Privately owned business (non-community): e.g., church, private school, restaurant, amusement park, RV park/campground, motel, ranch/farm, factory, other business establishment 	
REPORT SUBMITTED BY ☎	
Name:	Chris Nelson
Title:	Public Information Officer
Business phone:	9164832452
Cell phone:	
Email address:	chris@carmichaelwd.org
COMMENTS ☎	

Water Quality Master (WQM)

- Water test results
 - Contaminant
 - Result
 - MCL standard
 - Sample date
 - Facility
- From 1990 to present (dynamic)
- Facility Lat/long unavailable
- Searchable from drinc.ca.gov
- CSV files available from site

Applications > Water Quality Inquiry

Water Quality Inquiry (WQI)

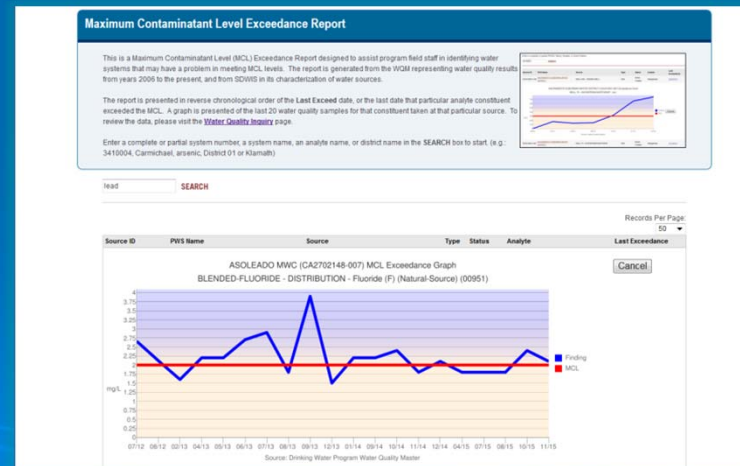
Sample results from the Water Quality Master (WQM) going back to January 2006 are available for viewing by first selecting the public water system (PWS) using the Search box below. Enter a partial system number, name, county, or Regulatory Agency, then make your selection. (Examples: CA3410004, 3410004, Carmichael, Sacramento, LPWA, Klamath). Sorting of results can be done by clicking headers. Maximum Contaminant Level (MCL) exceedances are shown in **BOLD**. CLR values reflect the required testing detection limit for the contaminant. Once the source is over 12 million records, please be patient until the data load. Results are displayed at the bottom of the system list.

no finds SEARCH

PWS ID	PWS Name	County	Reg Agency	Last Sampled	Last MCL	Records	Results
CA3410018	RIO LINDA/ELVERTA COMMUNITY WATER DIST	SACRAMENTO	DISTRICT 09 - SACRAMENTO	11/13/2015	11/13/2015	7811	

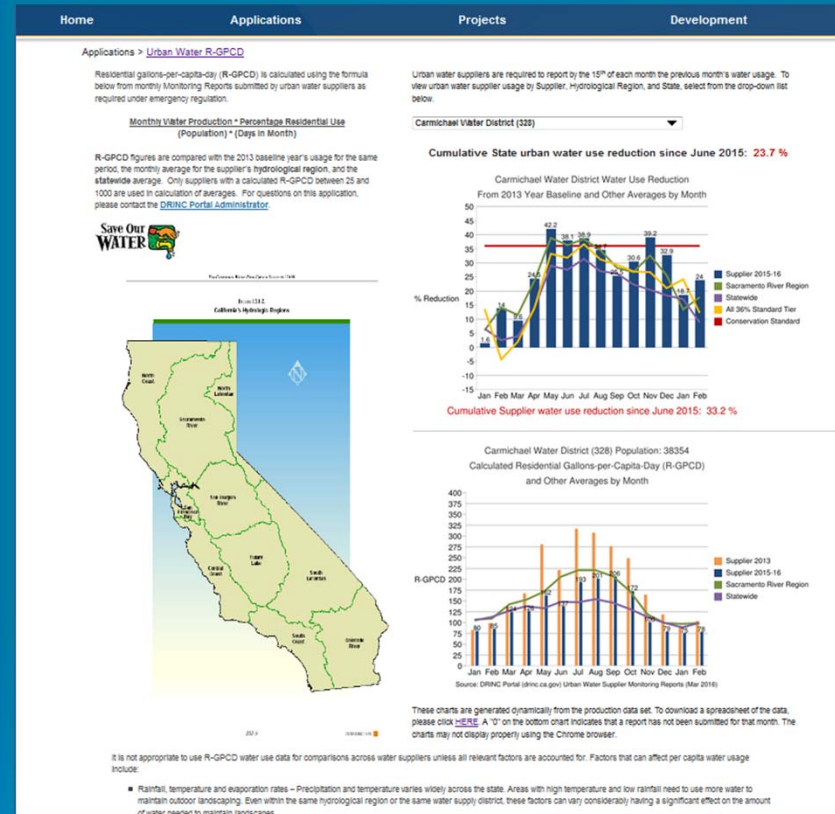
Sample results for: **CA3410018 - RIO LINDA/ELVERTA COMMUNITY WATER DIST**
 Last record entry: 11/13/2015
 Number of Records: 7811

Source ID	Name	Sampled	Source	Analyte	Result	Units	MCL	CLR
003	WELL 03 - TREATED	6/25/2008	00081	Color	< 1	UNIT'S	15	
003	WELL 03 - TREATED	6/25/2008	00086	Deter Treatment @ 60 °C	8	TOW	3	1
003	WELL 03 - TREATED	6/25/2008	00095	Specific Conductance	270	µS	1600	
003	WELL 03 - TREATED	7/9/2013	00095	Specific Conductance	270	µS	1600	
003	WELL 03 - TREATED	6/25/2008	00433	PH Laboratory	8.1			
003	WELL 03 - TREATED	6/25/2008	00410	Alkalinity (Total) As CaCO3	< 1	mg/L		
003	WELL 03 - TREATED	6/25/2008	00440	Bicarbonate Alkalinity	150	mg/L		
003	WELL 03 - TREATED	6/25/2008	00020	Nitrite (as N)	0	µg/L	1000	400
003	WELL 03 - TREATED	6/25/2008	00900	Hardness (Total) As CaCO3	100	mg/L		
003	WELL 03 - TREATED	6/25/2008	00916	Calcium	19	mg/L		
003	WELL 03 - TREATED	6/25/2008	00927	Magnesium	13	mg/L		
003	WELL 03 - TREATED	6/25/2008	00928	Sulfur	19	mg/L		
003	WELL 03 - TREATED	6/25/2008	00937	Potassium	< 2	mg/L		
003	WELL 03 - TREATED	6/25/2008	00940	Chloride	8.7	mg/L	500	
003	WELL 03 - TREATED	6/25/2008	00945	Sulfate	2	mg/L	600	0.5
003	WELL 03 - TREATED	6/25/2008	00951	Fluoride (F) (Natural-Source)	0.28	mg/L	2	0.1
003	WELL 03 - TREATED	2/19/2013	01002	Arsenic	11	µg/L	10	2
003	WELL 03 - TREATED	2/19/2013	01002	Arsenic	10	µg/L	10	2
003	WELL 03 - TREATED	4/16/2013	01002	Arsenic	9.8	µg/L	10	2



Conservation Drought Reports

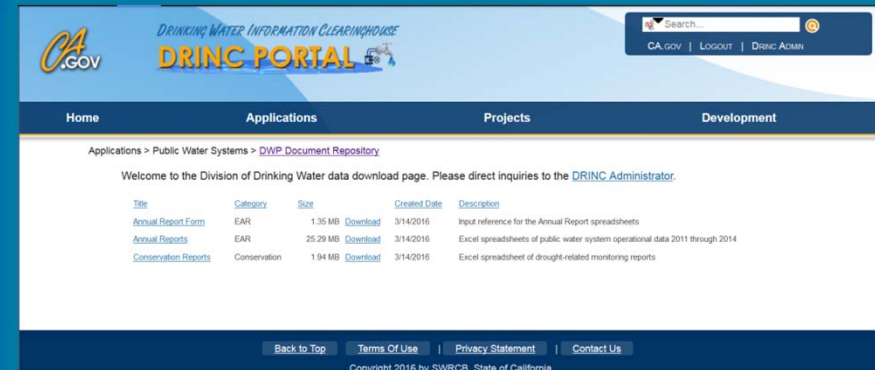
- 410 urban water suppliers
- From 7/2014 to present (monthly)
 - Production (Total, CII and Ag)
 - Population and % residential use
 - Implemented conservation programs
 - Number penalties assessed
 - Reduction compared with 2013



<http://drinc.ca.gov>

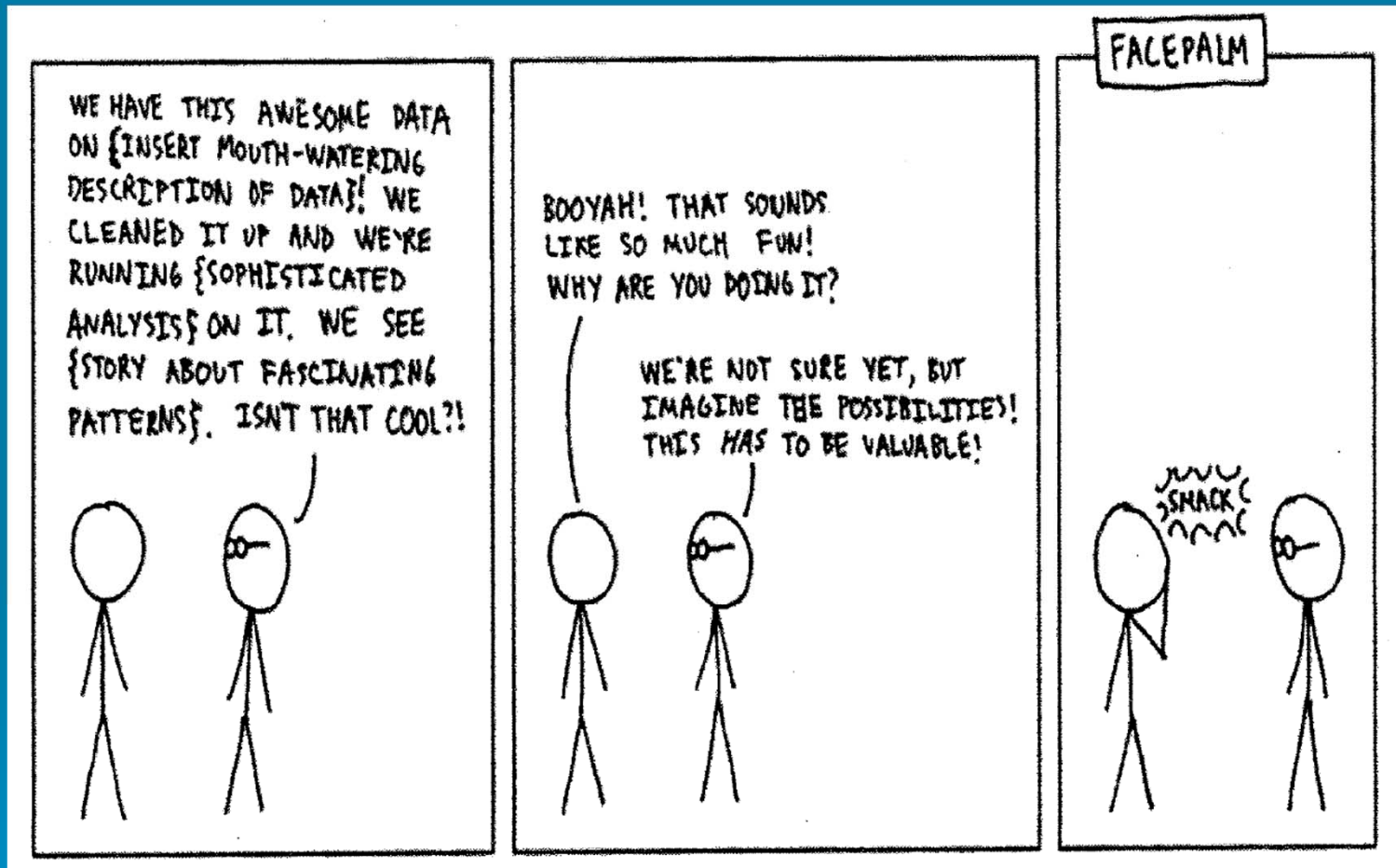
Availability

- Download site at drinc.ca.gov
 - Annual Reports
 - Conservation Drought Reports
 - WQM
- SDWIS available upon request
 - SQL backup
 - Specific fields (?)
- Request other sets:
drinc@waterboards.ca.gov



Mark.Emmerson@waterboards.ca.gov

(916) 445-6190

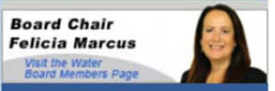
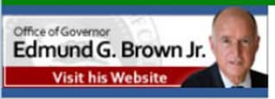


Courtesy of
xkcd.com

State Water Boards GIS Products

Stephanie Bucknam
GIS Unit

Division of Information Technology
State Water Resources Control Board



- Cal/EPA
- State and Regional Water Boards' Map
- Board Priorities
- Laws/Regulations
- Plans/Policies
- Programs
- Decisions Pending and Opportunities for Public Participation

CONNECT WITH US



- RESOURCES
- Email Subscriptions
 - Data & Databases
 - Business Help
 - Public Records Center
 - Grants & Loans
 - Fees
 - Tribal Affairs
 - Customer Service Survey

Data Maps

Areas of Special Biological Significance (ASBS)

- [ASBS map](#)
- [ASBS web site](#)

Drinking Water

- [Drinking Water Supply Service Area Lookup Tool](#)

GeoTracker

- [GeoTracker](#) - Regulated groundwater facilities and cleanups.
- [GeoTracker \(GAMA\) \(Groundwater Ambient Monitoring & Assessment\)](#) | [Fact Sheet](#)

Financial Assistance Programs

- [Integrated Regional Water Management Grant Programs](#)
- [Interim Emergency Drinking Water Projects](#)

Impaired Water Bodies

- [2010 Integrated Report \(Clean Water Act Section 303\(d\) List 305\(b\) Report\)](#) - Statewide
- [Draft 2012 Integrated Report \(Clean Water Act Section 303\(d\) List 305\(b\) Report\)](#) - Statewide

My Water Quality Portals - From the Water Quality Monitoring Council

- [My Water Quality Portals](#)
 - [Is it Safe to Swim in Our Waters?](#)
 - [Is it Safe to Eat Fish and Shellfish from Our Waters?](#)
 - [Are Our Aquatic Ecosystems Healthy?](#)
 - [California Estuaries Portal](#)
 - [California Wetlands Portal](#)

Nitrate in Groundwater

Online Maps

2012 303(d)/305(b) Integrated Report

http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2012.shtml

Final 2012 California Integrated Report (Clean Water Act Section 303(d) List / 305(b) Report)

2012 Integrated Report | **Map** | 303(d) List | Admin. Record | Data Download | Contact Us

2012 INTEGRATED REPORT — ALL ASSESSED WATERS

Zoom to county: | Zoom to Regional Board:
 Show county | Show Regional Board | [Map Help](#)

Zoom to water body: (Filter: All) | Filter list by: | [Reset list](#)

Uvas Creek (above Uvas Reservoir)
 Water body type: River & Stream
 Assessed area: 8.2 miles
[Integrated Report category: 5](#)

Assessed water body in the Central Coast Region.
[Zoom to](#)

Uvas Creek (above Uvas Reservoir) Close	
Pollutant assessments	
Pollutants	Listing Decision Report Link Potential Sources Schedule Comments
Low Dissolved Oxygen	Do Not List on 303(d) list (TMDL required list) 23419 n/a
Nitrate	Do Not List on 303(d) list (TMDL required list) 23456 n/a
Nitrogen, ammonia (Total Ammonia)	Do Not List on 303(d) list (TMDL required list) 23455 n/a
pH	List on 303(d) list (TMDL required list) 23481 n/a Est. TMDL

GeoTracker

<https://geotracker.waterboards.ca.gov/>

The screenshot displays the GeoTracker interface. On the left is a 'MAP LAYERS' legend with various site types and their corresponding symbols. The main map shows a street grid in Sacramento, CA, with a red pin marking a location. A popup window for 'Field Point MW-3' provides details for a 'DISCOUNT TIRE' site, including its address (1200 I ST, SACRAMENTO, CA 95814) and status ('LUST Cleanup Site', 'Cleanup Status: Completed - Case Closed'). At the bottom, a table lists 15 currently visible sites with columns for Site Name, Global ID, Status, Address, and City.

MAP LAYERS

- Leaking Underground Storage Tank (LUST) Cleanup Sites
- Cleanup Program Sites
- Land Disposal Sites
- Military Sites
- WDR Sites
- Irrigated Lands Regulatory Program
- Permitted Underground Storage Tank (UST) Facilities
- Oil and Gas Monitoring
- Non-Case Information / Project Sites
- Sampling Points - Public
- Field Points
- DTSC Cleanup Sites
- DTSC Haz Waste Permit
- DWR Groundwater Basins - [INFO](#)
- Public Water Systems - [INFO](#)

SIGNIFIES A CLOSED SITE

[Measure a Distance](#)

Field Point MW-3 - VIEW EDF DATA

DISCOUNT TIRE (T0606793641)
 1200 I ST
 SACRAMENTO, CA 95814

LUST Cleanup Site

Cleanup Status: Completed - Case Closed
RB Case #: 341332
Loc Case #: F575

[HIGHLIGHT FIELD POINTS](#)

SITE NAME	GLOBAL ID	STATUS	ADDRESS	CITY
<input checked="" type="checkbox"/> 1125 I STREET COMMERCIAL PROPERTY	T10000002715	COMPLETED - CASE CLOSED	1125 I STREET	SACRAMENTO
<input checked="" type="checkbox"/> BOYS & GIRLS CLUB PARK	T10000000939	COMPLETED - CASE CLOSED	1120 F STREET	SACRAMENTO
<input checked="" type="checkbox"/> CHEVRON #9-0915 (FORMER)	T0606700308	COMPLETED - CASE CLOSED	901 10TH ST	SACRAMENTO
<input checked="" type="checkbox"/> DISCOUNT TIRE	T0606793641	COMPLETED - CASE CLOSED	1200 I ST	SACRAMENTO
<input checked="" type="checkbox"/> DOWNTOWN PARKING GARAGE	T0606792021	COMPLETED - CASE CLOSED	725 7TH ST	SACRAMENTO
<input checked="" type="checkbox"/> ELKS BUILDING*	T0606700702	COMPLETED - CASE CLOSED	921 11TH ST	SACRAMENTO
<input checked="" type="checkbox"/> FEDERAL BUILDING - GSA	T0606700989	COMPLETED - CASE CLOSED	801 I ST	SACRAMENTO
<input checked="" type="checkbox"/> FORMER CITY OF SACRAMENTO CRIME LAB REDEVELOPMENT SITE	T10000000640	COMPLETED - CASE CLOSED	631 H STREET	SACRAMENTO

Sewer Overflows

http://www.waterboards.ca.gov/water_issues/programs/sso/sso_map/sso_pub.shtml

Sanitary Sewer Overflow (SSO) Incident Map

SANITARY SEWER OVERFLOWS: 11/01/2015 - 03/01/2016

Spill type: + [Category 1](#) o [Category 2](#) ▲ [Category 3](#) [More Info](#)

Click on a map icon for incident information.

Note: Map does not include spills from sewage treatment plants.

Show all incidents
 Show only incidents with valid GPS coordinates

Filter by volume (gallons):
0 - 1,000,000+ gal.

Minimum:

Maximum:
[Set Volume](#)

Filter by date:
11/01/2015 - 03/01/2016

Start:

End:
[Set Dates](#)

Filter by Agency:
(All)

[Set Agency](#) [Show All](#)

(Example: "123 Main Street, Sacramento, CA")

Go to street address:

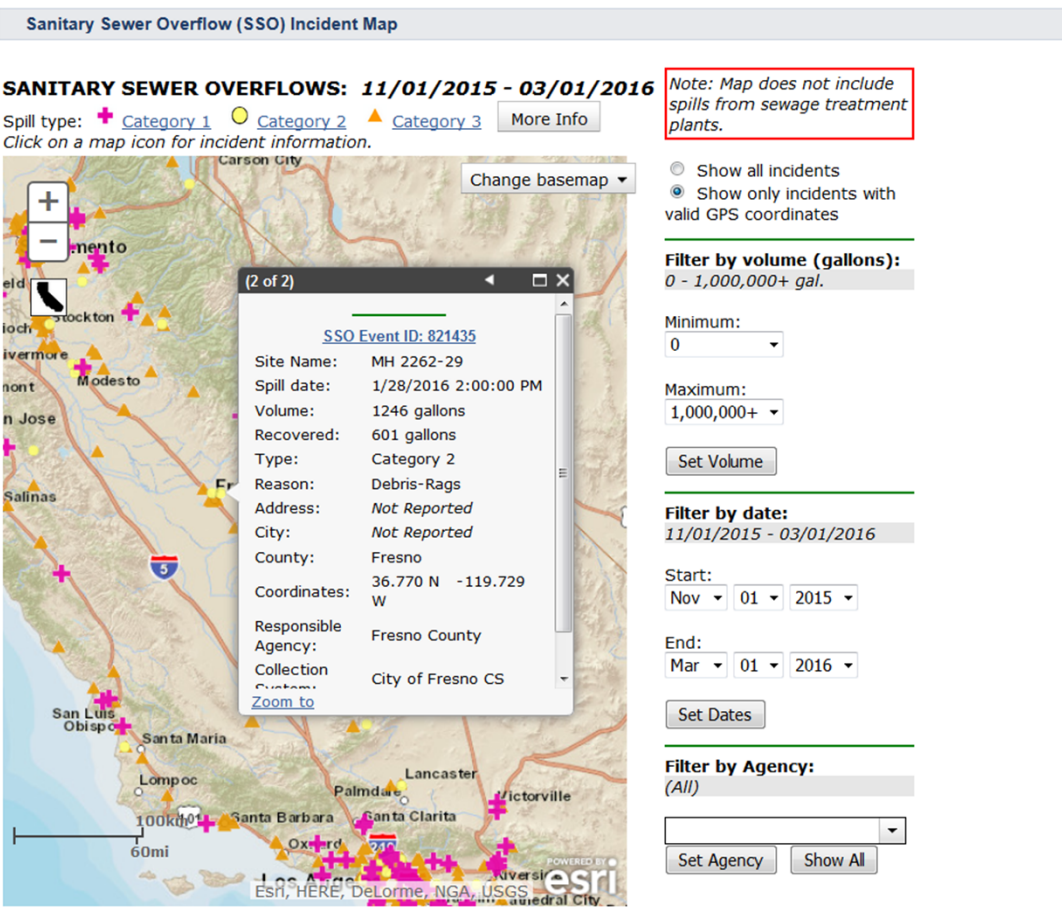
Go to county: [Show county layer](#)

Go to Regional Board: [Show RB layer](#)

QA Tools

To find a Latitude/Longitude for a point or address, click [here](#).

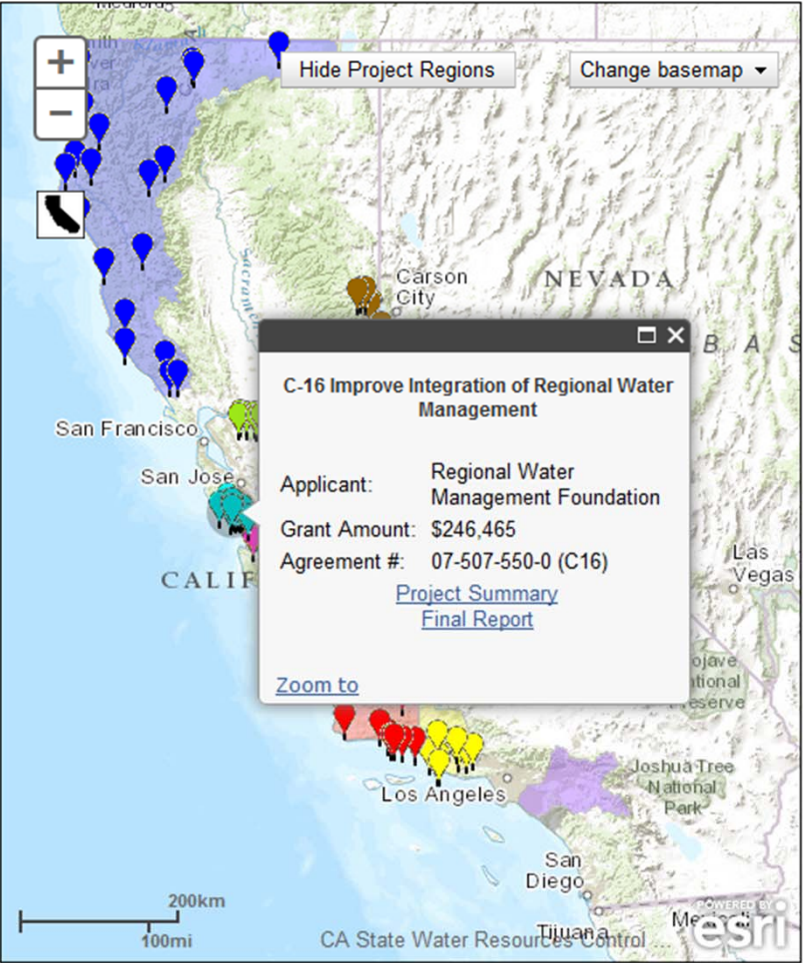
[List of sites whose reported coordinates fall outside reported county](#)



IRWM Grant projects

http://www.waterboards.ca.gov/water_issues/programs/grants_loans/irwmgp/

Announcements



The map displays the state of California with various colored regions and blue location pins. A popup window is open over the Central Valley region, providing details for project C-16. The popup includes the project title, applicant name, grant amount, and agreement number, along with links to the project summary and final report. A 'Zoom to' button is also present at the bottom of the popup. The map interface includes standard navigation controls like zoom in (+), zoom out (-), and a full-screen button. A scale bar at the bottom left indicates 100 miles and 200 kilometers. The Esri logo is visible in the bottom right corner of the map area.

Hide Project Regions Change basemap ▾

San Francisco San Jose Carson City NEVADA LAS VEGAS CALIFORNIA Joshua Tree National Park San Diego Tijuana Mexico

200km
100mi

CA State Water Resources Control esri

View Information on a Specific IRWM Grant Component Project

- Click on a map location, or
- Select the project name below:

Select Project ▾

My Water Quality maps

<http://www.mywaterquality.ca.gov>

The screenshot displays the website's interface, including the header with the agency name, navigation tabs for 'Home', 'Safe to Drink', 'Safe to Swim', 'Safe to Eat Fish', 'Ecosystem Health', 'Stressors & Processes', and 'Contact Us'. A search bar is located in the top right. The main content area is divided into sections: 'Can I Eat Fish' with a county selection dropdown, 'SAFE TO EAT FISH LINKS' with a list of links, 'SAFE TO SWIM LINKS' with another list of links, and 'Is It Safe to Swim In Our Waters?' which includes a 'Show County Info' dropdown and a map of California. A pop-up window on the map for Ventura County lists links for 'Coastal Beach Closures', 'Coastal Beach Report Card Grades', 'Impaired Waters for Swimming', 'Bacterial Sampling Data', and 'Beach Improvement Projects'. To the right of the map, there is a text block about beach water quality monitoring and a 'QUESTIONS ANSWERED' section with several FAQ-style questions.

GIS Services

Public GIS service portal

<http://gispublic.waterboards.ca.gov/arcgis/rest/services>

ArcGIS REST Services Directory [Login](#) | [Get Token](#)

[Home](#) > [services](#) [Help](#) | [API Reference](#)

[JSON](#) | [SOAP](#)

Folder: /

Current Version: 10.22

View Footprints In: [ArcGIS.com Map](#)

Folders:

- [Administrative](#)
- [Drought](#)
- [Facilities](#)
- [Groundwater](#)
- [POU](#)
- [Secure](#)
- [Utilities](#)
- [Water Quality](#)
- [Water Rights](#)
- [webmap](#)
- [WQMC](#)

Services:

None

Supported Interfaces: [REST](#) [SOAP](#) [Sitemap](#) [Geo Sitemap](#)

Folder Details

ArcGIS REST Services Directory

[Login](#) | [Get Token](#)

[Home](#) > [services](#) > [Water Quality](#)

[Help](#) | [API Reference](#)

[JSON](#) | [SOAP](#)

Folder: Water_Quality

Current Version: 10.22

View Footprints In: [ArcGIS.com Map](#)

Services:

- [Water Quality/CSCI Scores](#) (MapServer)
- [Water Quality/Drinking Water Service Areas](#) (MapServer)
- [Water Quality/Impaired Waters 2012](#) (MapServer)
- [Water Quality/Impaired waters](#) (MapServer)
- [Water Quality/IRWM Grant Projects](#) (MapServer)
- [Water Quality/Nitrate Impacted Wells](#) (MapServer)
- [Water Quality/Ocean Discharges](#) (MapServer)
- [Water Quality/OWTS Waters](#) (MapServer)
- [Water Quality/Sediment Sensitive Watersheds](#) (MapServer)
- [Water Quality/Sewer Overflows](#) (MapServer)
- [Water Quality/Storm Water IGP](#) (MapServer)

Supported Interfaces: [REST](#) [SOAP](#) [Sitemap](#) [Geo Sitemap](#)

Service Description and Metadata

ArcGIS REST Services Directory

[Login](#) | [Get Token](#)

YMax: 45.24162401403315
Spatial Reference: 4326 (4326)

Full Extent:

XMin: -124.50615137778138
YMin: 32.42371344623731
XMax: -113.49781547850321
YMax: 42.068686694510276
Spatial Reference: 4326 (4326)

Units: esriDecimalDegrees

Supported Image Format Types: PNG32,PNG24,PNG,JPG,DIB,TIFF,EMF,PS,PDF,GIF,SVG,SVGZ,BMP

Document Info:

Title: Regional Water Quality Control Board boundaries
Author: GIS Unit, Office of Information Management and Analysis, State Water Resources Control Board
Comments: This map shows the jurisdictional boundaries of the nine Regional Water Quality Control Boards and the locations of their administrative offices. This is not a survey document and should not be used for legal determinations.
Subject: State and Regional Water Board offices and jurisdictional boundaries
Category: Administrative
Keywords: Regional Water Quality Control Board,State Water Resources Control Board,California,administrative boundaries,water quality,state government,water rights
AntialiasingMode: None
TextAntialiasingMode: Force

Supports Dynamic Layers: false

MaxRecordCount: 1000

MaxImageHeight: 4096

MaxImageWidth: 4096

Supported Query Formats: JSON, AMF

Min Scale: 0

Max Scale: 0

Child Resources: [Info](#)

Supported Operations: [Export Map](#) [Identify](#) [Find](#) [Return Updates](#) [Generate KML](#)



Other formats

➤ ArcGIS Online

- In progress
- Search by Owner: swrcb_hq

➤ Shapefiles, geodatabases, etc.

- Email to request a specific format

Questions?

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Open House/Lunch