

Summary of Water Quality Data Sources

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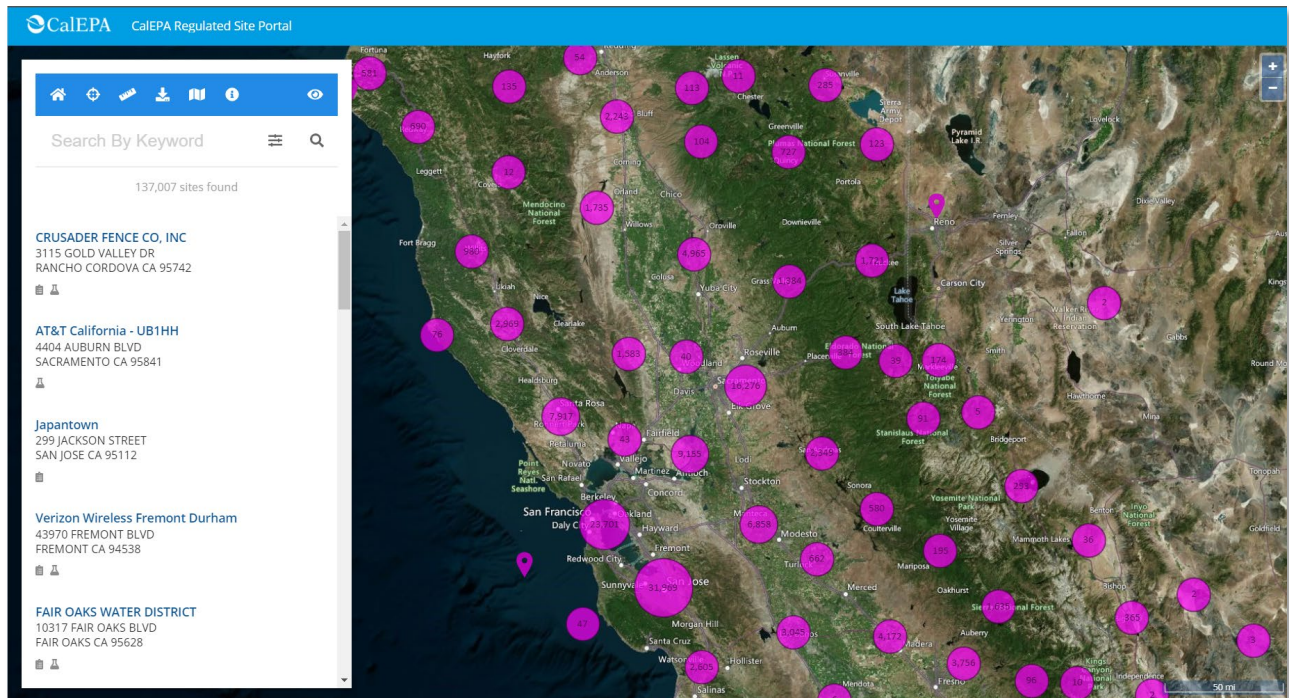
1. California EPA – Information on Hazardous Waste in Groundwater

1.1. Regulated Site Portal

<https://siteportal.calepa.ca.gov/nsite/map/help>

- Lists many environmentally regulated sites and facilities, including: hazardous waste and materials, hazardous waste facilities and sites, and storm water management sites.
- Data sources include California Occupational Safety and Health Administration (Cal/OSHA), California Environmental Reporting System (CERS), California Integrated Water Quality System (CIWQS), US EPA’s Emission Inventory System (EIS), the California Department of Toxic Substances Control’s (DTSC) EnviroStor site, the State Water Resources Control Board’s (SWRCB) GeoTracker site, the SWRCB’s Stormwater Multiple Application and Report Tracking System (SMARTS), the Solid Waste Information System (SWIS), and the federal Toxic Release Inventory (TRI) database.
- Contains downloadable data (e.g., quantity of chemical release), and other regulatory documents.

Screenshots of website:



CalEPA CalEPA Regulated Site Portal

Search By Keyword

1 site found

Sacramento Municipal Utility District - former Rancho Seco Nuclear Pow
14440 TWIN CITIES RD
HERALD CA 95638

SHOW MORE INFORMATION >

Regulatory Programs
Aboveground Petroleum Storage
Chemical Storage Facilities
Hazardous Waste Generator

Evaluations
Total 6

CalEPA CalEPA Regulated Site Portal

Sacramento Municipal Utility District - former Rancho Seco Nuclear Pow
14440 TWIN CITIES RD
HERALD CA 95638

PROFILE MAP REGULATORY PROGRAMS COMPLIANCE CHEMICALS

SEARCH LESS INFORMATION <

1 site found

Sacramento Municipal Utility District - former Rancho Seco Nuclear Pow
14440 TWIN CITIES RD
HERALD CA 95638

Geopolitical

COUNTY
Sacramento County

CALENVIROSCREEN 3.0 PERCENTILE RANGE
6-10%

Site Codes

SKC
4911 Electric services

Alternate IDs

FRS 110009527404
FACILITIES EXPLORER ID 63819
EPA IDENTIFIER CAD000626010
FACILITY IDENTIFIER FA0010743

Alternate Names
None.

Regulatory Programs

Hazardous Waste Generator

ENVIRONMENTAL INTEREST START DATE
07/10/2013

LAST INSPECTED
10/14/2020

SOURCE SYSTEM
California Environmental Reporting System

SOURCE SYSTEM ID
10191007

Aboveground Petroleum Storage

ENVIRONMENTAL INTEREST START DATE
07/10/2013

LAST INSPECTED
10/14/2020

SOURCE SYSTEM
California Environmental Reporting System

SOURCE SYSTEM ID
10191007

Chemical Storage Facilities

ENVIRONMENTAL INTEREST START DATE
07/10/2013

LAST INSPECTED
10/14/2020

SOURCE SYSTEM
California Environmental Reporting System

SOURCE SYSTEM ID
10191007

Site Contacts

Search By Keyword

1 site found

Sacramento Municipal Utility District - former Rancho Seco Nuclear Pow
 14440 TWIN CITIES RD
 HERALD CA 95638

Sacramento Municipal Utility District - former Rancho Seco Nuclear Pow
 14440 TWIN CITIES RD
 HERALD CA 95638

PROFILE MAP REGULATORY PROGRAMS COMPLIANCE **CHEMICALS**

[SHOW LESS INFORMATION](#)

Chemical Storage

REPORTING PERIOD 2020 SUBMITTED ON 10/05/2020

Chemicals

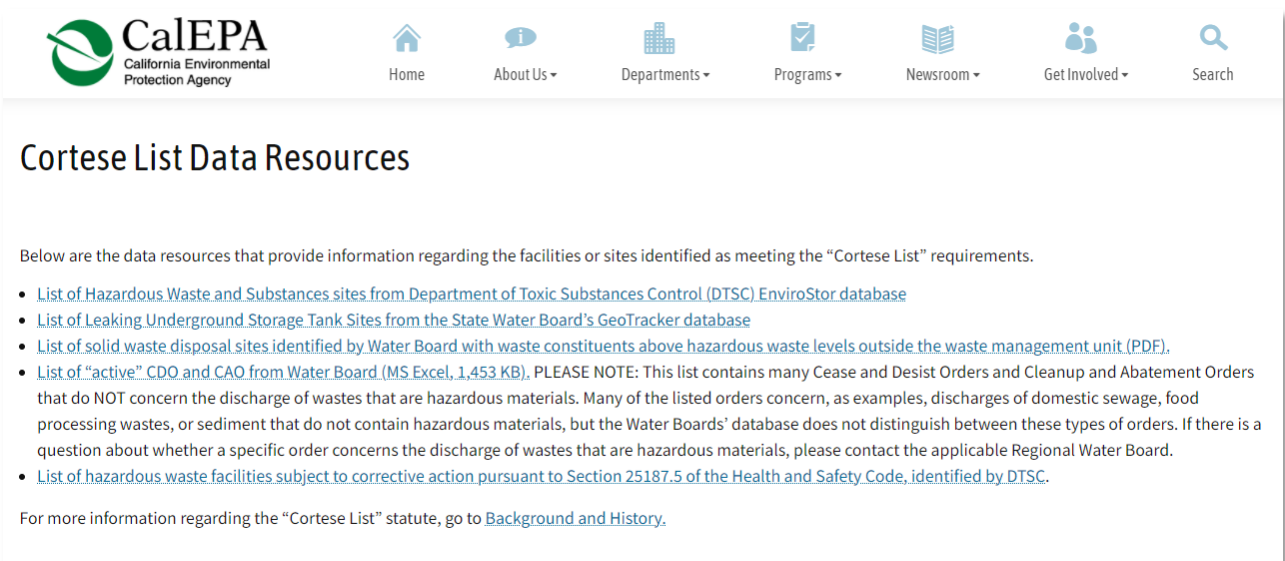
Name	Max Daily Amount / Unit	Avg Daily Amount / Unit	Days Onsite	Physical State(S)
Sulfur fluoride (SF6)	0-2599 Cubic Feet	0-2599 Cubic Feet	365	Gas, Pure
Spent Fuel Assemblies	500000-999999 Pounds	500000-999999 Pounds	365	Solid
Propane	0-2599 Cubic Feet	0-2599 Cubic Feet	365	Gas, Pure
Lead Acid battery	600-1199 Gallons	600-1199 Gallons	365	Liquid, Mix
Diesel Fuel No. 2	3000-5999 Gallons	1200-2999 Gallons	365	Liquid, Pure

1.2. Cortese List

<https://calepa.ca.gov/sitecleanup/corteselist/>

- A list released by CalEPA annually, including hazardous waste and substance sites (DSTC), leaking USTs, solid waste disposal sites, “active” CDO and CAO sites.
- Data sources from DTSC, SWRCB, and local enforcement agencies.
- No available spatial or temporal concentration data.
- No chemical data available, but contaminated sites are identified with links to other websites (i.e. GeoTracker).

Screenshot of website:



The screenshot shows the CalEPA website header with the logo and navigation menu. The main content area is titled "Cortese List Data Resources" and contains a list of data resources and a link for more information.

CalEPA
California Environmental Protection Agency

Home About Us Departments Programs Newsroom Get Involved Search

Cortese List Data Resources

Below are the data resources that provide information regarding the facilities or sites identified as meeting the “Cortese List” requirements.

- [List of Hazardous Waste and Substances sites from Department of Toxic Substances Control \(DTSC\) EnviroStor database](#)
- [List of Leaking Underground Storage Tank Sites from the State Water Board's GeoTracker database](#)
- [List of solid waste disposal sites identified by Water Board with waste constituents above hazardous waste levels outside the waste management unit \(PDF\)](#).
- [List of “active” CDO and CAO from Water Board \(MS Excel, 1,453 KB\)](#). PLEASE NOTE: This list contains many Cease and Desist Orders and Cleanup and Abatement Orders that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders. If there is a question about whether a specific order concerns the discharge of wastes that are hazardous materials, please contact the applicable Regional Water Board.
- [List of hazardous waste facilities subject to corrective action pursuant to Section 25187.5 of the Health and Safety Code, identified by DTSC.](#)

For more information regarding the “Cortese List” statute, go to [Background and History](#).

1.3. Managing Hazardous Waste website

<https://dtsc.ca.gov/managing-hazardous-waste/>

- Hazardous waste sites updates/status/current regulation.
- No chemical data available

Screenshot of website:

The screenshot shows the DTSC (Department of Toxic Substances Control) website. The header includes the CA.GOV logo, social media icons, and navigation links like Newsroom, Publications & Forms, and Contact Us. The main heading is "Managing Hazardous Waste". Below this, there is a paragraph explaining what a hazardous waste is and a link to "Defining Hazardous Waste". Another paragraph describes the types of help available from the Regulatory Assistance Office. Two columns of links are provided: "How do I..." and "Where can I find...". At the bottom, there are three images: a laboratory setting, a group of people in business attire meeting around a table, and a collection of electronic waste items like a laptop, phone, and printer.

Managing Hazardous Waste

A waste is a hazardous waste if it is a listed waste, characteristic waste, used oil and mixed wastes. Specific procedures determine how waste is identified, classified, listed, and delisted. For more information, view our [Defining Hazardous Waste](#) web page.




Learn about permits, generators, and transport, storage, and disposal facilities; our emergency response, enforcement, and investigation work; and hazardous waste in the home, office, and marketplace. Get help from DTSC's Regulatory Assistance Office.

? How do I...

- > [Get a Hazardous Waste ID Number](#)
- > [Find Hazardous Waste Reports](#)
- > [Apply for a Hazardous Waste Permit](#)
- > [View Permitted Hazardous Waste Facilities in California](#)
- > [Get Hazardous Waste Manifest Information](#)
- > [Apply for a 30-day Storage Extension for Hazardous Waste Generators](#)

🔍 Where can I find...

- > [Advisories on the Management of Hazardous Wastes during the COVID-19 Pandemic](#)
- > [Annual fee rates for Hazardous Waste management](#)
- > [Annual and Biennial report information](#)
- > [Assistance regarding Hazardous Waste regulations](#)
- > [Hazardous Waste publications](#)
- > [The status of my Hazardous Waste ID number](#)

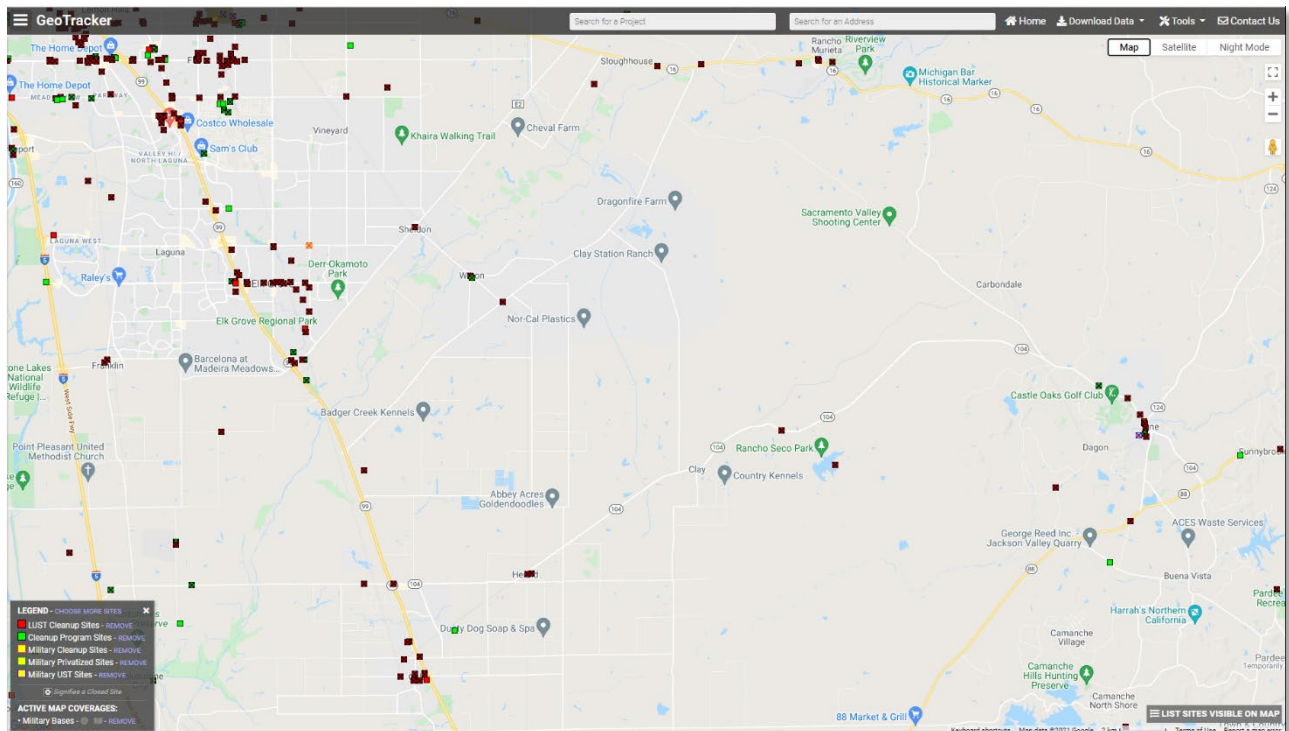


1.4. GeoTracker

https://geotracker.waterboards.ca.gov/map/?global_id=T1000006808

- Lists relevant information about the hazardous sites, including location, substance of spill, clean up timeline, monitoring reports, site investigation reports, regulatory correspondence, etc.
- Chemical data available for each county (as txt file, can be opened with Access or Excel).
https://geotracker.waterboards.ca.gov/data_download_by_county
- Temporal and spatial chemical concentration data.

Screenshots of website and downloadable data:



SITES VISIBLE ON MAP - CHOOSE FIELDS							
■	EXPRESS LANE CHEVRON	OPEN - VERIFICATION MONITORING	301 PINE STREET	GALT	LUST CLEANUP SITE	CENTRAL VALLEY RWQCB (REGION 5S)	27
■	EXPRESS LANE CHEVRON - CASE 2	OPEN - VERIFICATION MONITORING	301 PINE STREET	GALT	LUST CLEANUP SITE	CENTRAL VALLEY RWQCB (REGION 5S)	14
■	DENIER PROPERTY	OPEN - INACTIVE	13269 MARENGO ROAD	GALT	CLEANUP PROGRAM SITE	CENTRAL VALLEY RWQCB (REGION 5S)	57
■	BLM FITZGERALD RANCH	OPEN - INACTIVE	DESMOND & BRUCEVILLE RDS -1100 ACRE SITE	GALT	CLEANUP PROGRAM SITE	SACRAMENTO COUNTY	25
■	SIERRA TRADING POST #2	OPEN - SITE ASSESSMENT	39 PRESTON AVE	IONE	LUST CLEANUP SITE	CENTRAL VALLEY RWQCB (REGION 5S)	31
■	NEWTON MINE	OPEN - SITE ASSESSMENT	4 MI EAST OF IONE ON HWY 88	IONE	CLEANUP PROGRAM SITE	CENTRAL VALLEY RWQCB (REGION 5S)	57
■	MP ASSOCIATES	OPEN - SITE ASSESSMENT	JACKSON VALLEY ROAD	IONE	CLEANUP PROGRAM SITE	DEPARTMENT OF TOXIC SUBSTANCES CONTROL	19
■	PG&E JACKSON SERVICE CENTER	OPEN - REMEDIATION	12828 JACKSON GATE ROAD	JACKSON	CLEANUP PROGRAM SITE	CENTRAL VALLEY RWQCB (REGION 5S)	14

301 PINE STREET
GALT, CA 95632
SACRAMENTO COUNTY
LUST CLEANUP SITE (INFO)
OPEN - VERIFICATION MONITORING AS OF 2/21/2017 - DEFINITION
[PRINTABLE CASE SUMMARY](#) / [CSM REPORT](#)

CLEANUP OVERSIGHT AGENCIES
CENTRAL VALLEY RWQCB (REGION 5S) (LEAD) - CASE #: 341492
CASEWORKER: [VERA FISCHER](#)
SACRAMENTO COUNTY LOP - CASE #: RO0000972

[Summary](#) [Case Reviews](#) [Cleanup Action Report](#) [Regulatory Activities](#) [Environmental Data \(ES\)](#) [Site Maps / Documents](#) [Community Involvement](#) [Related Cases](#)

Regulatory Profile

[PRINTABLE CASE SUMMARY](#)

[CLEANUP STATUS](#) - [DEFINITIONS](#)

OPEN - VERIFICATION MONITORING AS OF 2/21/2017 - [CLEANUP STATUS HISTORY](#)

POTENTIAL CONTAMINANTS OF CONCERN

GASOLINE, MTBE / TBA / OTHER FUEL OXYGENATES

FILE LOCATION

DWR GROUNDWATER SUB-BASIN NAME

San Joaquin Valley - Cosumnes (5-022.16)

GROUNDWATER MONITORING FREQUENCY

OF WELLS MONITORED - QUARTERLY : 11, SEMI-ANNUALLY : 8, ANNUALLY : 8

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:

- Well Is Last Point of Monitoring Prior to possible impact to Receptor - *Down-gradient domestic water supply wells*
- Other - *Verify on-site trends and evaluate remedial action. Recent on-site free product detections.*

POTENTIAL MEDIA OF CONCERN

AQUIFER USED FOR DRINKING WATER SUPPLY, SOIL

DESIGNATED GROUNDWATER BENEFICIAL USE(S) - [DEFINITIONS](#)

MUN, AGR, IND, PROC

CALWATER WATERSHED NAME

North Valley Floor - Lower Cosumnes-Dry - Herald (531.11)

Site History

This is the case listing for a second release occurrence at an open site. All data associate with this address has been submitted under Global ID: T0606700822, associated with Central Valley Water Board case #340991.

2. USEPA Superfund: National Priorities List (NPL)

<https://www.epa.gov/superfund/superfund-national-priorities-list-npl>

- USEPA List all current, proposed or deleted sites of national priority resulting from known or threatened releases of hazardous substances, pollutants or contaminants.
- No downloadable data.
- Graphical display and lists all current and proposed NPL sites, sortable by state, regions, etc.
- Site descriptions include summary reports.
- No superfund sites in the Cosumnes Subbasin

Screenshots of website and available data:

Superfund
[CONTACT US](#)

- [Superfund Home](#)
- [Learn About Superfund](#)
- [Community Involvement](#)
- [Cleanup Support](#)
- [Accomplishments & Benefits](#)
- [Cleaning up Sites](#)**
- [Superfund Site Assessment](#)
- National Priorities List**
- [Remedial Investigation/Feasibility Study](#)
- [Remedy Decisions](#)
- [Remedial Design / Remedial Action](#)
- [Post Construction Completion](#)
- [National Priorities List Deletion](#)
- [Superfund Site Reuse/Redevelopment](#)
- [Contaminants at Superfund Sites](#)
- [Contaminated Media at Superfund Sites](#)
- [Superfund Task Force](#)
- [Policy, Reports & Other Documents](#)

Superfund: National Priorities List (NPL)

The National Priorities List (NPL) is the list of sites of national priority among the known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout the United States and its territories. The NPL is intended primarily to guide the EPA in determining which sites warrant further investigation.

- [New Proposed NPL Sites & New NPL Sites](#) - Documents for the most recently proposed NPL sites and recently added NPL sites, including: Documentation Records, Site Listing Narratives, Support Documents and other supporting documentation.
- [View a map](#) of all the sites in the U.S., currently on the NPL, proposed to the NPL and deleted from the NPL.

The following table shows the number of Federal and general sites for each status and milestone as of October 01, 2021:

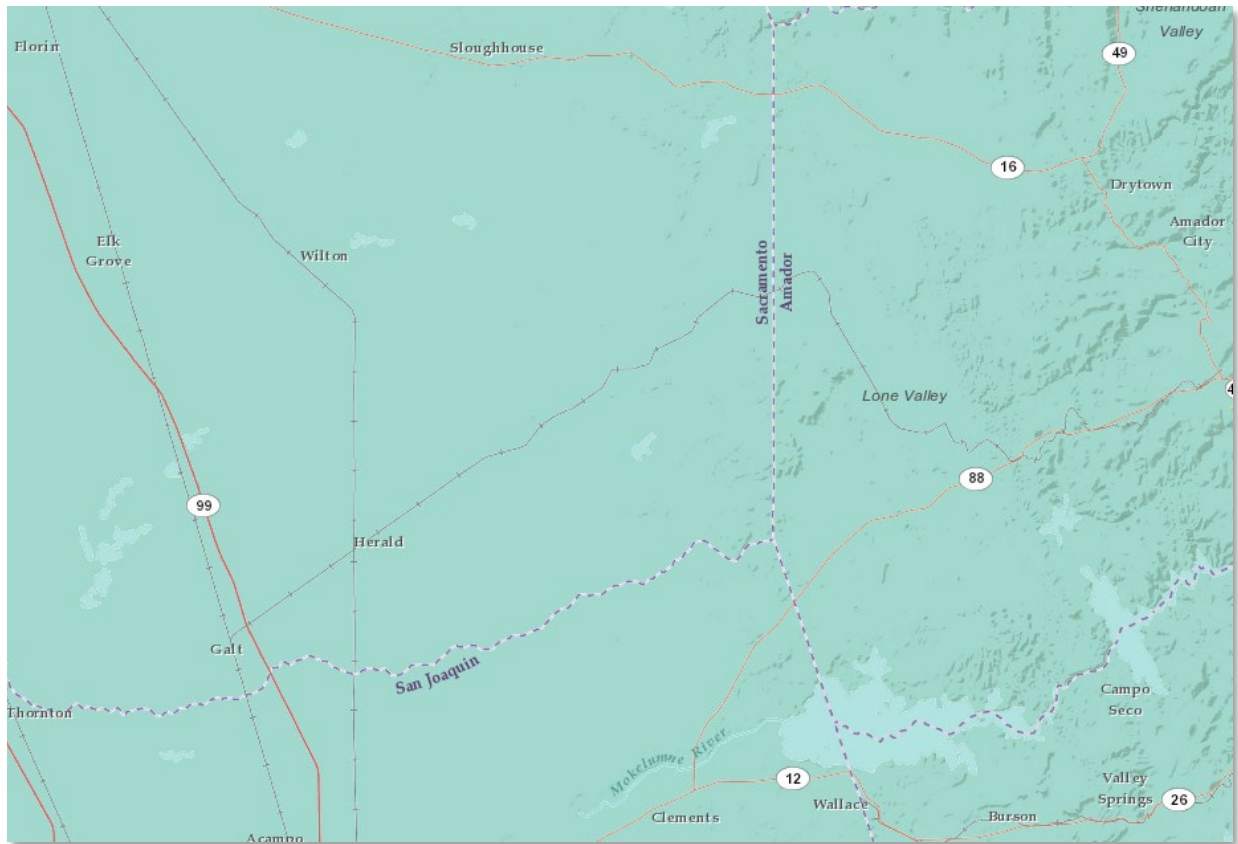
Status	Non-Federal (General)	Federal	Total
Proposed NPL Sites	48	3	51
NPL Sites	1165	157	1322
Deleted NPL Sites	430	17	447

Milestone	Non-Federal (General)	Federal	Total
Partial Deletions at NPL Sites	103	31	134*
Construction Completions at NPL Sites	1148	81	1229**

Related Pages

- [Basic NPL Information](#)
- [NPL Site Status](#)
- [Federal Register Notices for NPL Updates](#)
- [NPL Guidance/Policy Documents](#)

No superfund sites in the Cosumnes Subbasin



3. California EPA – Information on Drinking Water Quality

3.1. Water Quality Analysis Database Files

https://www.waterboards.ca.gov/drinking_water/ceertlic/drinkingwater/EDTlibrary.html

- Electronic Data Transfer (EDT) Library, a link to Schedules for Upcoming Water Quality Monitoring, files for the Division of Drinking Water's (DDW's) water quality analyses database, and county small water system water quality data files.
- Statewide current and historical chemical data from water suppliers.
- Downloadable data, including temporal data.
- Chemical data from April 1947 to current; data format: dbf, can be opened in Access; supporting database files are needed to interpret the data.

Screenshots of website and downloadable data:

The screenshot displays the California Water Boards website interface. At the top, there is a navigation bar with the CA.GOV logo, social media sharing options, and links for About Us, Contact Us, Subscribe, and Settings. Below this is a main navigation menu with icons for Board, Programs, Drinking Water, Water Quality, Water Rights, Notices, Water Boards, and Search. The breadcrumb trail reads: Home | Drinking Water | Certlic | Drinkingwater | EDTlibrary.

EDT Library and Water Quality Analyses Data and Download Page

This page contains the **Electronic Data Transfer (EDT)** Library, a link to Schedules for Upcoming Water Quality Monitoring, files for the Division of Drinking Water's (DDW's) water quality analyses database, and county small water system water quality data files.

Announcements | **EDT Library** | Monitoring Schedules | Water Quality Database Files

Welcome to the Division of Drinking Water Electronic Data Transfer (EDT) Library and Water Quality Analyses Data and Download Page.

We hope you find the web page easier to navigate and information more accessible. For more, see: DDW's Announcement Regarding New Procedures for EDT (08.26.2015), EDT Portal Upload Instructions (09.10.2015), and Drinking Water Quality Upload Portal (WQM).

Find the latest information please see the following announcements:

- [California Laboratory Intake Portal \(CLIP\) web page](#)

Information for Laboratories

- EDT Information
 - EDT Data Submittal - FAQ
 - EDT - Main Page
- Information about Chemicals and Contaminants
 - Chemicals and Contaminants in Drinking Water
- More Information
 - Drinking Water Statutes and Regulations
 - Division of Drinking Water
- Additional Information for Laboratories
 - Additional Information for Laboratories

- **Storet Code 00618 (Nitrate as N):** Reported findings are required to be in units of milligrams per liter (mg/L). California's drinking water regulations require the nitrate MCL to be expressed as "10 mg/L (as nitrogen, N)" instead of "45 mg/L (as nitrate, NO3)." The MCL has not become more stringent. **Effective January 1, 2016, all nitrate data submitted to the EDT Portal must be submitted under Storet Code 00618 (Nitrate as N); otherwise the data will not be accepted.** For more information, see the [detailed announcement](#) for laboratories accredited by the [Environmental Laboratory Accreditation Program](#).
- **Storet Code 00620 (Nitrite as N)** Effective January 1, 2016, all data submitted to the EDT Portal must be reported in units of mg/L.
- **Storet Code A-029 (Nitrate + Nitrite as N)** Starting January 1, 2016, all Nitrate + Nitrite data submitted to the EDT Portal must be reported in mg/L.
- **Laboratory Reporting Errors** Effective immediately, laboratory reporting errors will not be changed in the database. Instead, (1) The laboratory will inform the district office of the error. (2) District office will approve deletion of erroneous data from database, and (3) The laboratory will resubmit data electronically.
- **EDT Data Submittals** EDT data submittals via email are no longer accepted. Data are submitted via the EDT Portal webpage at: <http://drinc.ca.gov/WQM/>. For more, see DDW's [Announcement Regarding New Procedures for EDT \(08.26.2015\)](#) and [EDT Portal Upload Instructions \(09.10.2015\)](#)

These executable self-extracting files* support the submittal of drinking water analytical results. More information is available at the Drinking Water Program's [EDT webpage](#).

Write-On for Windows 95/98/2000/XP Water Quality Software Upgrade (Version 2.0r) (Zip file, expands to 4.0MB) — Last Update: September 15, 2011.

This zip file contains WO2SETUP.EXE, ~4.5 MB, the setup file for Write-On for Windows 95/98/2000/XP Water Quality Input System (Version 2.0r). The file can be installed directly into an existing Write-On folder, and the changes will be made automatically. The entire installed Write-On for Windows 95/98/2000/XP software will require ~14.5 Mb of disk space with the Library installation.

NOTE 1: USE THIS FILE TO INSTALL WRITE-ON ONLY. THE SOURCE AND SYSTEM LIBRARIES ARE NO LONGER INCLUDED WITH THIS INSTALLATION PACKAGE. THE LIBRARIES ARE REQUIRED FOR WRITE-ON TO OPERATE. FOR THE CURRENT LIBRARIES, DOWNLOAD THE FILE BELOW, "Water System and Source Libraries."

1	PRIM_STA_C	SAMP_DATE	SAMP_TIME	LAB_NUM	ANADATE	INDATE	METHOD	INBY	SPECIAL	STORE_NUM	XMOD	FINDING
2	0103039-004	11/22/2017 0:00	848	4790	11/22/2017 0:00	11/30/2017 0:00	SM 212	#	S	81	<	3
3	0103039-004	11/22/2017 0:00	848	4790	11/22/2017 0:00	11/30/2017 0:00	SM 215	#	S	86	<	1
4	0103039-004	11/22/2017 0:00	848	4790	11/29/2017 0:00	11/30/2017 0:00	SM 251	#	S	95		550
5	0103039-004	11/22/2017 0:00	848	4790	11/29/2017 0:00	11/30/2017 0:00	SM4500	#	S	403		8.1
6	0103039-004	11/22/2017 0:00	848	4790	11/22/2017 0:00	11/30/2017 0:00	300	#	S	618		5.7
7	0103040-007	7/15/2015 0:00	1306	1675	7/15/2015 0:00	8/6/2015 0:00		A	S	71850		14
8	0103040-007	7/15/2015 0:00	1307	1644	7/18/2015 0:00	7/27/2015 0:00		A	S	1032	<	1
9	0103040-007	7/12/2016 0:00	1315	1675	7/12/2016 0:00	7/22/2016 0:00	E300.0	A	S	618		3.7
10	0103040-007	8/15/2016 0:00	1235	2416	8/21/2016 0:00	9/2/2016 0:00	E552.2	A	S	77288		0
11	0103040-007	8/15/2016 0:00	1235	2416	8/21/2016 0:00	9/2/2016 0:00	E552.2	A	S	82721		2.11
12	0103040-007	8/15/2016 0:00	1235	2416	8/21/2016 0:00	9/2/2016 0:00	E552.2	A	S	82723		0
13	0103040-007	8/15/2016 0:00	1235	2416	8/21/2016 0:00	9/2/2016 0:00	E552.2	A	S	A-041		0

3.2. Drinking Water Watch

<https://sdwis.waterboards.ca.gov/PDWW/>

- This website provides a variety of chemical data (including many uncommon chemicals) for wells and distribution systems. Includes historical data (at least dated back in the 1980s).
- Data are available in both excel and pdf form
- With well locations and temporal changes in chemical concentrations, a trendline analysis is feasible.

Screenshots of website and downloadable data:

CA Drinking Water Watch
Monitoring Results for Individual Sampling Points
 (From 2011 to present only, for prior to 2011 results please go to [EDT Download Page](#))

Water System No.: CA3400271
 Water System Name: ARCOHE ELEM SCHOOL - MAIN CAMPUS
 Principal County Served: SACRAMENTO
 Status: A
 Distribution System Classification: DI

Federal Type: NTNC
 State Type: NTNC
 Primary Source: GUV
 Activity Date: 08-08-2016
 Max Treatment Plant Classification: There are no treatment plants

NOTICE TO USERS OF THE DATABASE. Users of this database should use care in interpreting these data. Data that does not meet Division of Drinking Water (DDW) data quality objectives is not included and the provided data may not be representative of water served by a water system. For example, the presence of a contaminant in a particular source of water at a given concentration does not necessarily mean that the water from that source was served by the water system to its customers, or, if served, that the contaminant was present at that concentration. Water systems may not use certain sources or may treat or blend them prior to serving the water to customers.

Questions about contaminants in particular sources are best addressed by the specific public water system, or by the associated DDW district office.

Test Legends:

- PS Code = Primary Station Code, used by laboratories to upload water quality data
- Old PS Code = (Water System Number)-(Sample Point ID)
- New PS Code = (Water System Number)_Facility ID_(Sampling Point ID) to be used by laboratories to upload water quality data when CLIP (California Laboratory Intake Portal) is implemented
- Facility Status: A = Active; P = Proposed
- Certain PS Codes have been removed from this table as they are not intended to have water quality data electronically reported. As an example, a water system may have a PS Code to represent Well 01 and another PS Code to represent Well 01 Chlorination. However, water quality data should only be reported to the PS Code for Well 01. The PS Code for Well 01 Chlorination would be removed from the list to avoid confusion in uploading data. If you notice that a PS Code is missing from the list that may be needed for uploading water quality data, please contact your District Office or Local County Primary Agency.

Click to hide / show columns: [Old PS Code](#) | [New PS Code](#) | [Facility ID](#) | [Sample Point ID](#) | [Sample Point Name](#) | [Status](#)

Display 10 records Search:

Old PS Codes	New PS Codes	Facility ID	Sample Point ID	Sample Point Name	Status
3400271-001	CA3400271_001_001	001	001	MAIN WELL	A
3400271-002	CA3400271_002_002	002	002	MAIN WELL - EAST CAMPUS	A
3400271-LCR	CA3400271_DST_LCR	DST	LCR	Lead and Copper Sample Sites **	A

Showing 1 to 3 of 3 entries Previous Next

CA Drinking Water Watch
ARCOHE ELEM SCHOOL - MAIN CAMPUS (3400271)
All Sampling Results
MAIN WELL (CA3400271_001_001)

Click to hide / show columns: [Analyte Number](#) | [Analyte Name](#) | [Sampling Date](#) | [Less Than](#) | [Reporting Level](#) | [Result](#) | [Counting Error \(+/-\)](#) | [MCL](#) | [DLR](#) | [Unit](#) | [Qualifier](#)

Tips on Using Table
 Display 10 records Search:

Analyte Number	Analyte Name	Sampling Date	Less Than	Reporting Level**	Result	Counting Error (+/-)	MCL	DLR	Unit	Qualifier
1002	ALUMINUM	06-16-2021	<	50	0.0000000		1000	50	UG/L	
1002	ALUMINUM	06-13-2018	<	50	0.0000000		1000	50	UG/L	
1002	ALUMINUM	06-26-2013	<	50	0.0000000		1000	50	UG/L	
1002	ALUMINUM	06-05-2009	<	50	0.0000000		1000	50	UG/L	
1002	ALUMINUM	08-23-2001	<	50	0.0000000		1000	50	UG/L	
1005	ARSENIC	06-16-2021		2	2.0000000		10	2	UG/L	
1005	ARSENIC	12-10-2019		2	2.0000000		10	2	UG/L	
1005	ARSENIC	06-13-2019		2	2.0000000		10	2	UG/L	
1005	ARSENIC	12-13-2018		2	2.0000000		10	2	UG/L	
1005	ARSENIC	06-13-2018		2	2.0000000		10	2	UG/L	

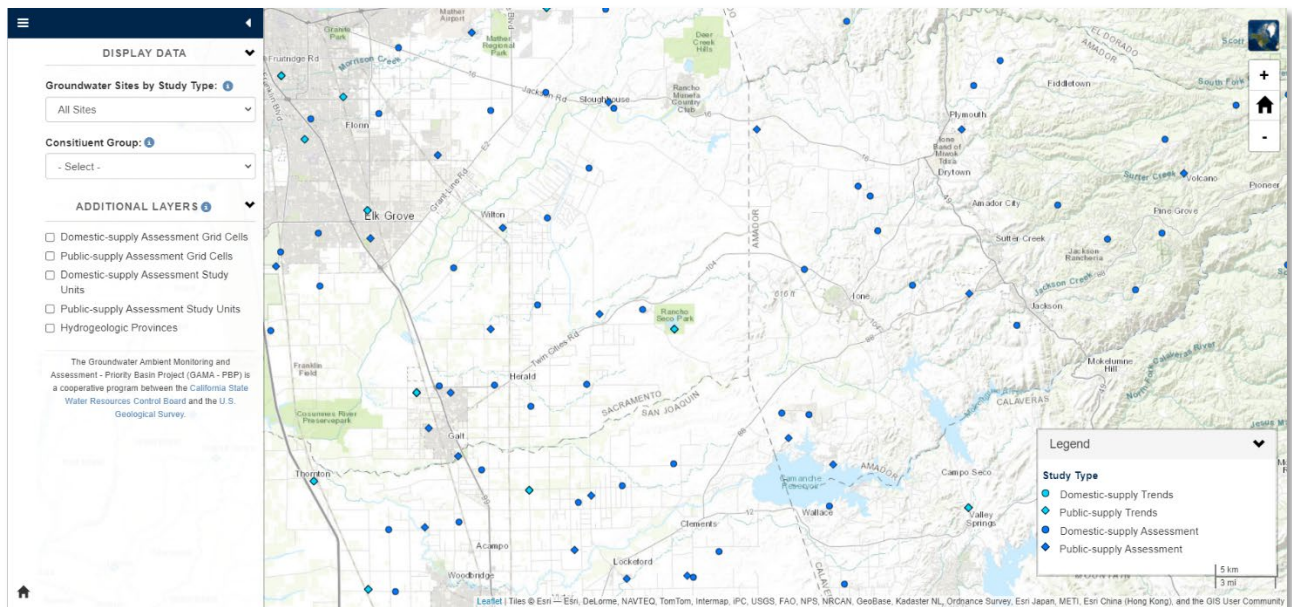
Showing 1 to 10 of 233 entries Previous 2 3 4 5 ... 24 Next

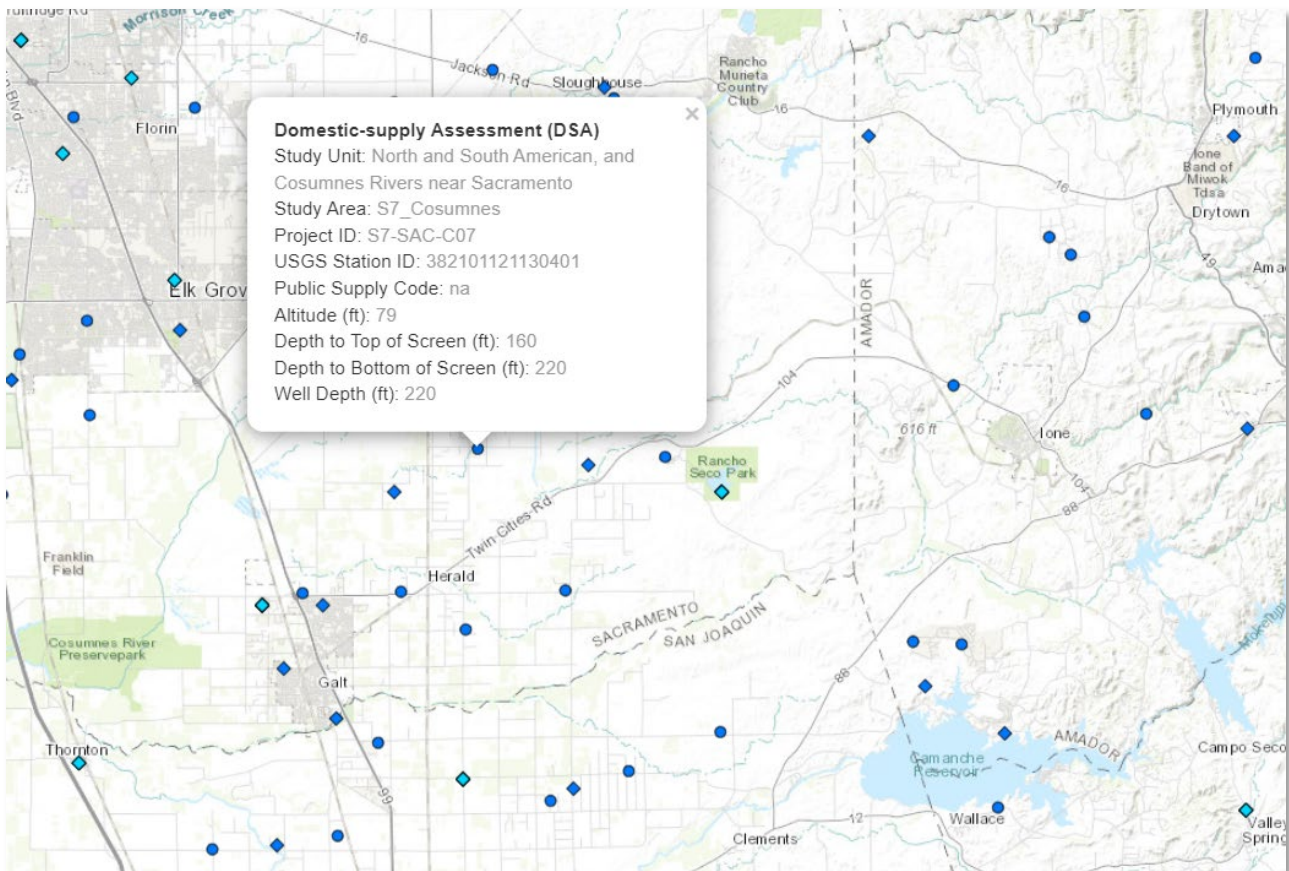
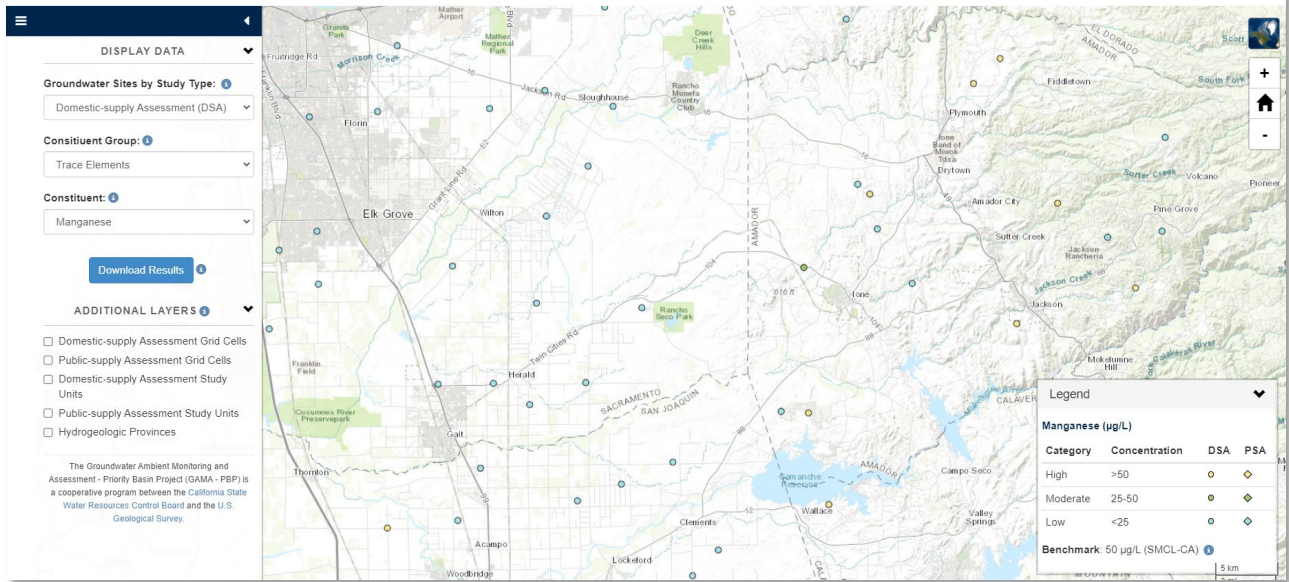
3.3. GAMA-PBP Groundwater-Quality Results: Assessment and Trends

<https://ca.water.usgs.gov/projects/gama/water-quality-results/>

- From USGS California Water Science Center, Groundwater Ambient Monitoring and Assessment (GAMA) Priority Basin Project (PBP)
- Map viewer showing concentrations and trends of many constituents, such as metal ions, nutrients, TDS, pesticides, VOCs, age-dating tracers, radioactivity, etc.
- Concentrations are provided and categorized as different ranges, with color code. No date is associated with the measurements. Dates available in downloadable data.
- Domestic-supply and Public supply trends and assessments available for download in both text (.txt) and excel (.xls) formats.

Screenshots of website and downloadable data:





StudyType	StudyUnit	StudyArea	ProjectID	USGSStationID	PSCode	SitePurpose	VisitNum	SampleDate	SampleTime	MediumCode
Domestic-supply Assessment (DSA)	North and South American, and Cosumnes Rivers near Sacramento	S7_Cosumnes	S7-SAC-C01	3.82233E+14	na	STATUS	1	8/7/2017	830	WG
Domestic-supply Assessment (DSA)	North and South American, and Cosumnes Rivers near Sacramento	S7_Cosumnes	S7-SAC-C02	3.81731E+14	na	STATUS	1	8/7/2017	1200	WG
Domestic-supply Assessment (DSA)	North and South American, and Cosumnes Rivers near Sacramento	S7_Cosumnes	S7-SAC-C03	3.82444E+14	na	STATUS	1	8/8/2017	900	WG
Domestic-supply Assessment (DSA)	North and South American, and Cosumnes Rivers near Sacramento	S7_Cosumnes	S7-SAC-C04	3.8164E+14	na	STATUS	1	8/8/2017	1200	WG
Domestic-supply Assessment (DSA)	North and South American, and Cosumnes Rivers near Sacramento	S7_Cosumnes	S7-SAC-C05	3.81735E+14	na	STATUS	1	8/9/2017	840	WG
Domestic-supply Assessment (DSA)	North and South American, and Cosumnes Rivers near Sacramento	S7_Cosumnes	S7-SAC-C06	3.82047E+14	na	STATUS	1	8/9/2017	1300	WG
Domestic-supply Assessment (DSA)	North and South American, and Cosumnes Rivers near Sacramento	S7_Cosumnes	S7-SAC-C07	3.82101E+14	na	STATUS	1	8/10/2017	920	WG
Domestic-supply Assessment (DSA)	North and South American, and Cosumnes Rivers near Sacramento	S7_Cosumnes	S7-SAC-C08	3.8265E+14	na	STATUS	1	8/10/2017	1240	WG
Domestic-supply Assessment (DSA)	North and South American, and Cosumnes Rivers near Sacramento	S7_Cosumnes	S7-SAC-C09	3.81737E+14	na	STATUS	1	8/21/2017	900	WG
Domestic-supply Assessment (DSA)	North and South American, and Cosumnes Rivers near Sacramento	S7_Cosumnes	S7-SAC-C10	3.81622E+14	na	STATUS	1	8/21/2017	1300	WG
Domestic-supply Assessment (DSA)	North and South American, and Cosumnes Rivers near Sacramento	S7_Cosumnes	S7-SAC-C11	3.81618E+14	na	STATUS	1	11/14/2017	1000	WG
Domestic-supply Assessment (DSA)	North and South American, and Cosumnes Rivers near Sacramento	S7_Cosumnes	S7-SAC-C12	3.82231E+14	na	STATUS	1	11/14/2017	1300	WG

SampleType	RecordNum	Altitude	TopOfScreen	BotOfScreen	WellDepth	Latitude	Longitude	Uranium, wf (22703)	Iron, wf (01046)	Antimony, wf (01095)	Manganese, wf (01056)	Silver, wf (01075)	Vanadium, wf (01085)
9	60170711701	62	159	525	525	38.376	-121.295	0.264	<10	0.041	<0.66	<1	22
9	60170711601	51	160	228	228	38.292	-121.308	5.4	<10	0.082	<0.66	<1	20.5
9	60170711501	125	250	300	280	38.4119	-121.2102	0.147	<10	0.036	<0.66	<1	16.6
7	60170711401	83	103	115	285	38.2775	-121.2254	0.061	<10	0.077	<0.66	<1	20.7
9	60170711301	70	155	212	212	38.2928	-121.2583	0.062	17.8	0.035	0.74	<1	22.7
9	60170711201	176	254	294	294	38.3463	-121.1236	0.018	<10	0.047	<0.66	<1	12.8
9	60170711101	79	160	220	220	38.3498	-121.2189	<0.01	<10	0.032	<0.66	<1	25.9
9	60170711001	115	136	247	247	38.4471	-121.1721	0.529	<10	0.033	<0.66	<1	8.3
9	60170731801	117	187	228	228	38.2933	-121.1745	0.014	<10	0.047	<0.66	<1	25.1
9	60170731701	305	260	0	260	38.2728	-120.9969	0.068	<10	0.155	<0.66	<1	21.8
9	60180052101	282	215	0	215	38.2718	-120.9724	<0.01	44.9	<0.03		105	<1
9	60180052001	258	131	151		38.3753	-120.9763	<0.01	753	<0.03		33.5	<1

4. Information on Pesticide Use pertaining to groundwater quality

4.1. California Pesticide Information Portal (CalPIP)

<https://calpip.cdpr.ca.gov/main.cfm>

- From Department of Pesticide Regulation (DPR).
- Pesticide use reporting (PUR) data, and Groundwater Protection Areas (GWPAAs).
- Downloadable data in text files, shapefiles, maps, and KML files.
- Data can be sorted by locations, chemicals, years, counties.
- Trendline analysis can be done on usage of pesticides, but not on groundwater elevation or chemical concentrations.
- Data archives are available for download.
ftp://transfer.cdpr.ca.gov/pub/outgoing/pur_archives/
 - List the locations and quantities of pesticide uses for that year.
- Pesticide use reporting (PUR) <https://www.cdpr.ca.gov/docs/pur/purmain.htm>
 - Choose location of interests and generate a report
- No groundwater chemical data available.

Screenshots of website and downloadable data:

CALIFORNIA PESTICIDE INFORMATION PORTAL (CALPIP) APPLICATION

Welcome to the California Pesticide Information Portal Application (CalPIP)

CalPIP Application Home

Note: CalPIP is not able to process a full year of data without the user choosing other criteria that would limit their selections. Users who work with large Pesticide Use Report (PUR) datasets (i.e. entire years or all products) should go to:

- [Data Archives](#) to download free copies (.zip files) of full years of Pesticide Use Data (1974 through most recent available), or
- [Contact PUR.Inquiry@cdpr.ca.gov](mailto:Contact.PUR.Inquiry@cdpr.ca.gov)

Introduction and Overview

Welcome to the California Pesticide Information Portal project (CalPIP). This site delivers user-friendly Internet access to the Department of Pesticide Regulation's (DPR) extensive pesticide use and label information (PUR Data Source), Ground Water Protection Area information (GWPA Data Source), and the Pesticide Regulation's Endangered Species Custom Realtime Internet Bulletin Engine (PRESCRIBE Data Source). [more introduction information](#)

Updates and Information:

- Previous years of CalPIP data are periodically refreshed to incorporate any corrections and late reports.
- 2018 Pesticide Use Report data has been added to the database.
- PUR data from 1990 to 2018 was refreshed from the internal database.
- [Previous updates and Information.](#)

Additional notes on version updates and bug fixed can be found here: [more information about updates.](#)

First Time Users

If this is your first visit to our site, you may want additional information to make your visit more successful. [more first time user information](#)

About the Data Sources

- **Pesticide Use Reporting (PUR)**
The California Pesticide Information Portal provides you with easy access to California's extensive database of pesticide use information. [more PUR information](#)
- **Ground Water Protection Area (GWPA)**
The GWPA data source allows you to determine whether a particular section is a GWPA. [more GWPA information](#)
- **Pesticide Regulation's Endangered Species Custom Realtime Internet Bulletin Engine (PRESCRIBE)**
The PRESCRIBE data source provides information on pesticide use limitations for the protection of endangered species for user-selected sites and pesticides. [more PRESCRIBE information](#)

2018 Annual Statewide Pesticide Use Report Indexed by Commodity Sacramento County

[Back to PUR 2018 Summary Data](#)

[Text files of data](#) are available.

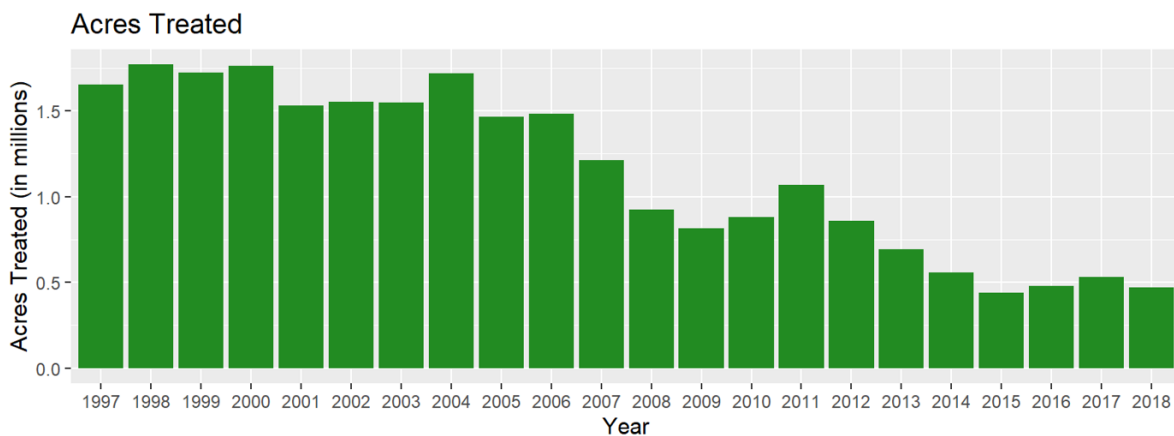
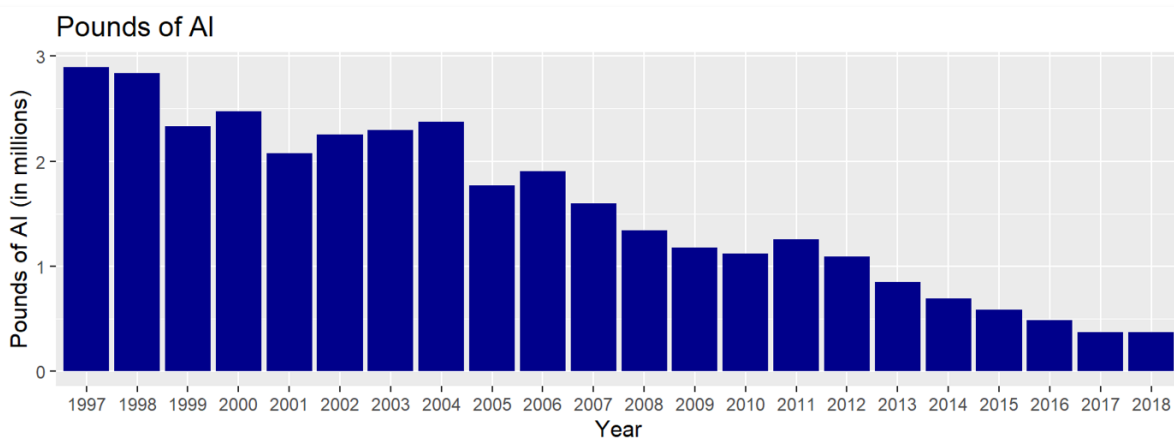
Units:

A = Acres, S = square feet, C = cubic feet, K = thousand cubic feet, P = pounds, T = tons, U = miscellaneous unit, N/A = data not available

Commodity	Chemical	Pounds	Num Apps	Area Treated	Unit treated
ALFALFA	ALPHA-ALKYL (C9-C11)-OMEGA-HYDROXYPOLY(OXYETHYLENE)	197.08	150	4,692.9	A
ALFALFA	ALPHA-ALKYL (C9-C16)-OMEGA-HYDROXYPOLY(OXYETHYLENE)	13.42	4	119.2	A
ALFALFA	ALPHA-ALKYL (C10-C14)-OMEGA-HYDROXYPOLY(OXYETHYLENE)	9.52	5	130.0	A

Table 12: The reported cumulative acres treated with pesticides that are on the “a” part of DPR’s groundwater protection list. These pesticides are the active ingredients listed in the California Code of Regulations, Title 3, Division 6, Chapter 4, Subchapter 1, Article 1, Section 6800(a). Use includes primarily agricultural applications (Most non-production-agricultural pesticide use reports are not required to report acreage. A zero indicates some non-agricultural use occurred, but acreage was not reported. The word “none” indicates no use at all that year). The grand total for acres treated may be less than the sum of acres treated for all active ingredients because some products contain more than one active ingredient. Data are available at <ftp://transfer.cdpr.ca.gov/pub/outgoing/pur/data/>.

AI	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
ATRAZINE	15,767	19,990	17,236	23,827	17,873	15,404	14,537	17,237	16,831	14,021
ATRAZINE, OTHER RELATED	15,767	19,990	17,236	23,827	17,873	15,404	14,537	17,237	16,831	14,021
BENTAZON, SODIUM SALT	6,424	6,258	4,846	6,539	7,466	7,956	6,823	7,320	6,743	6,882
BROMACIL	24,420	28,757	32,183	28,746	16,607	12,628	5,942	6,936	7,306	4,846
BROMACIL, LITHIUM SALT	0	0	0	0	0	0	0	0	0	0
DIURON	405,973	520,587	691,396	555,459	440,233	342,061	279,721	330,900	408,775	352,394
NORFLURAZON	44,503	45,638	30,601	31,693	23,306	25,112	17,343	9,790	5,471	12,102
PROMETON	2	20	0	0	234	0	18	38	1	0
SIMAZINE	339,302	289,198	324,612	241,359	205,338	165,261	118,823	112,998	91,713	84,157
TOTAL	813,118	882,518	1,069,323	859,272	694,764	556,157	437,858	478,769	530,053	470,263



4.2. Locations of Ground Water Protection Areas (GWPA)

https://www.cdpr.ca.gov/docs/emon/grndwtr/gwpa_locations.htm

- GWPA maps and county lists.
- Downloadable maps, shapefiles, KML files.
- Contains locations of regulated sites, but no data.
- Choose a township and check whether it contains GW Protection Areas.

<https://calpip.cdpr.ca.gov/county.cfm?ds=GWPA>

- Ground Water Protection Area Lists

https://www.cdpr.ca.gov/docs/emon/grndwtr/gwpa_lists.htm

Screenshot of website and available data:

The screenshot displays the CALPIP Application interface. At the top, the California Department of Pesticide Regulation logo is on the left, and navigation icons for Programs, Databases, News/Publications, Quick Links, and Search are on the right. The main header reads "CALIFORNIA PESTICIDE INFORMATION PORTAL (CALPIP) APPLICATION" and "Identify Ground Water Protection Areas".

The central content area is titled "Select County". It includes a "Default selection" note and instructions for searching for specific county(s). Below this, there are instructions on how to select county(s) from a list of available counties. A descriptive paragraph explains that a GWPA is a one-square mile section of land vulnerable to pesticide movement. It also provides instructions on how to determine if a section of land is a GWPA.

At the bottom, there is a section titled "Available Counties" with a search box and buttons for "Search", "Clear Search", "Add All", and "Add Selected". A list of counties is shown, with "01 Alameda" selected. The list includes:

- 01 Alameda
- 02 Alpine
- 03 Amador
- 04 Butte
- 05 Calaveras

Available Townships

Search...

47 items displayed

- 34 M02N02E
- 34 M03N01E
- 34 M03N02E
- 34 M03N03E
- 34 M03N04E

Available Sections

Search...

5 items displayed

- 34 M02N01E 01
- 34 M02N01E 11
- 34 M02N01E 12
- 34 M02N01E 13
- 34 M02N03E 06



CalPIP Navigation Menu

[CalPIP Application Home](#)
[My Selections](#)

Data Sources

[PUR](#)
[GWPA](#)
[PRESCRIBE](#)

Selected Data Source

Ground Water Protection Area

Search by Data Category

Location

[County](#)
[COMTRS](#)
[Zip Code](#)

[Help](#)

CALIFORNIA PESTICIDE INFORMATION PORTAL (CALPIP) APPLICATION

Identify Ground Water Protection Areas

GWPA Search Result

You have selected Sacramento County.

One or more of the sections you have selected have been identified as GWPA(S). Please see the table below to determine which section is a GWPA and the condition that needs to be mitigated. For a list of management practices please click on the condition indicated (leaching, runoff, runoff or leaching).

(TIP: Use the Find tool (Ctrl-F) under the Edit menu in your browser to quickly jump to each YES record for GWPA below. Press the 'End' key to jump to the bottom of the page.)

152 Township/Range/Section(s) among 1106 selected are GWPA.

County	COMTRS	GWPA	Condition
Sacramento	34M05N05E02	YES	RUNOFF
Sacramento	34M05N05E14	YES	RUNOFF
Sacramento	34M05N06E32	YES	RUNOFF
Sacramento	34M05N06E33	YES	RUNOFF
Sacramento	34M06N06E30	YES	RUNOFF
Sacramento	34M06N06E31	YES	RUNOFF
Sacramento	34M07N05E05	YES	RUNOFF
Sacramento	34M07N07E12	YES	RUNOFF
Sacramento	34M07N08E15	YES	RUNOFF
Sacramento	34M08N05E19	YES	RUNOFF
Sacramento	34M08N05E23	YES	RUNOFF
Sacramento	34M08N05E28	YES	RUNOFF
Sacramento	34M08N08E31	YES	RUNOFF

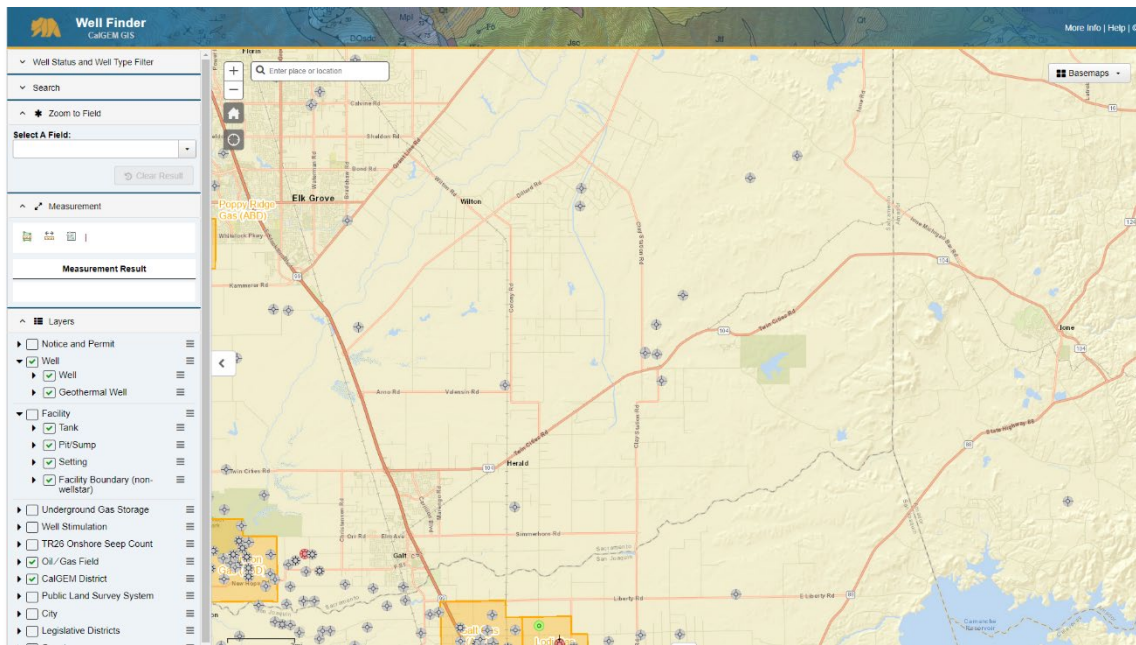
5. Information on Groundwater Quality in Areas of Oil and Gas Production

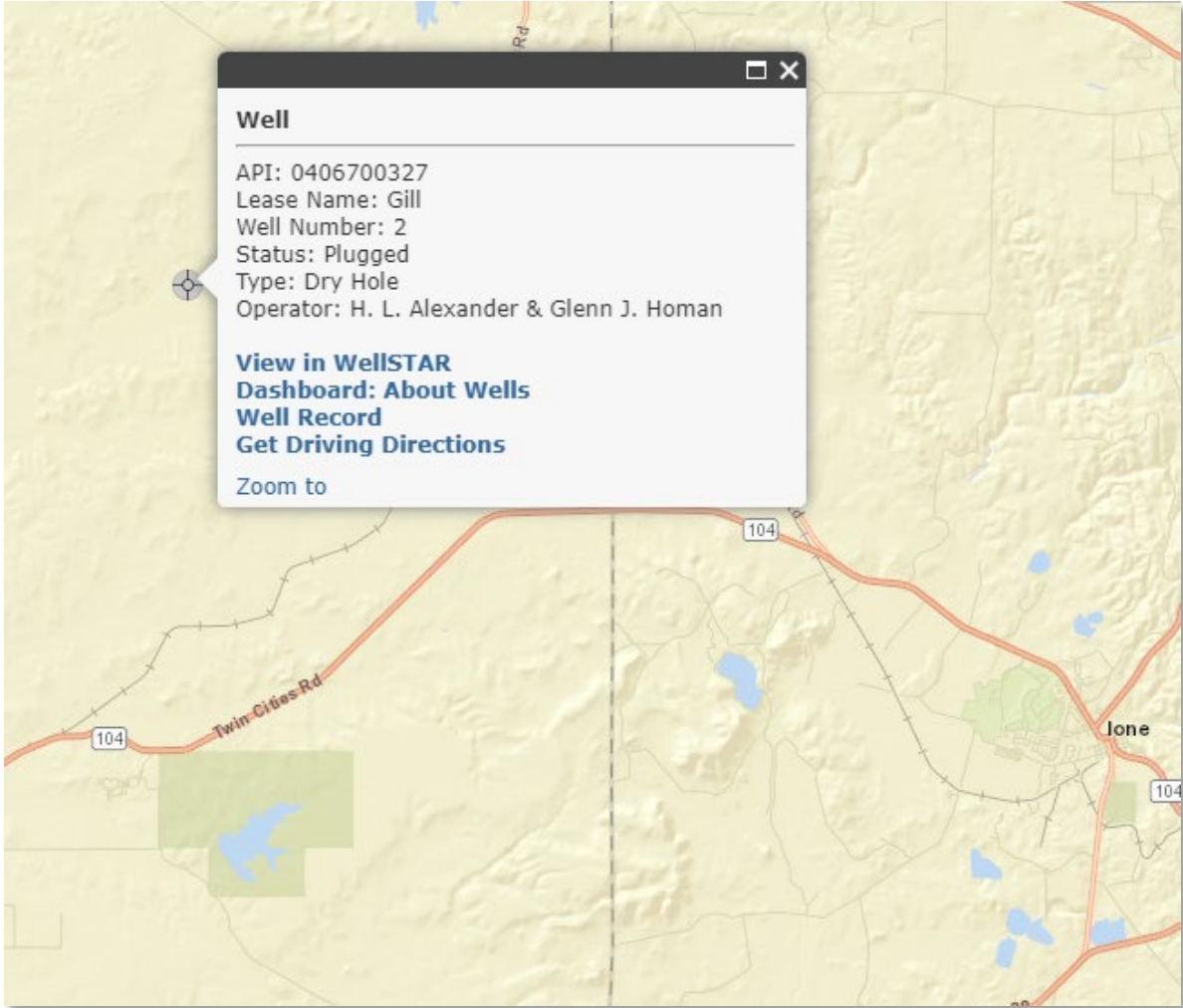
5.1. WellFinder

<https://maps.conservation.ca.gov/doggr/wellfinder>

- From California Geologic Energy Management Division (CalGEM), formerly California Division of Oil, Gas, and Geothermal Resources (DOGGR).
- Oil and gas well locations, information, and records; Information about other oil and gas facilities.
- Data through third party reporting.
- Well locations displayed with measure tool; well data and reports as pdf or tif files.
- No groundwater chemical data available.

Screenshot of website:





CA.gov About DOC Jobs Contact Us Settings Select Language

California Department of Conservation Information For Divisions DOC Maps

File Request | Well Records

Well Records

API
06700323

Reset Search

File Results [Request Files](#)

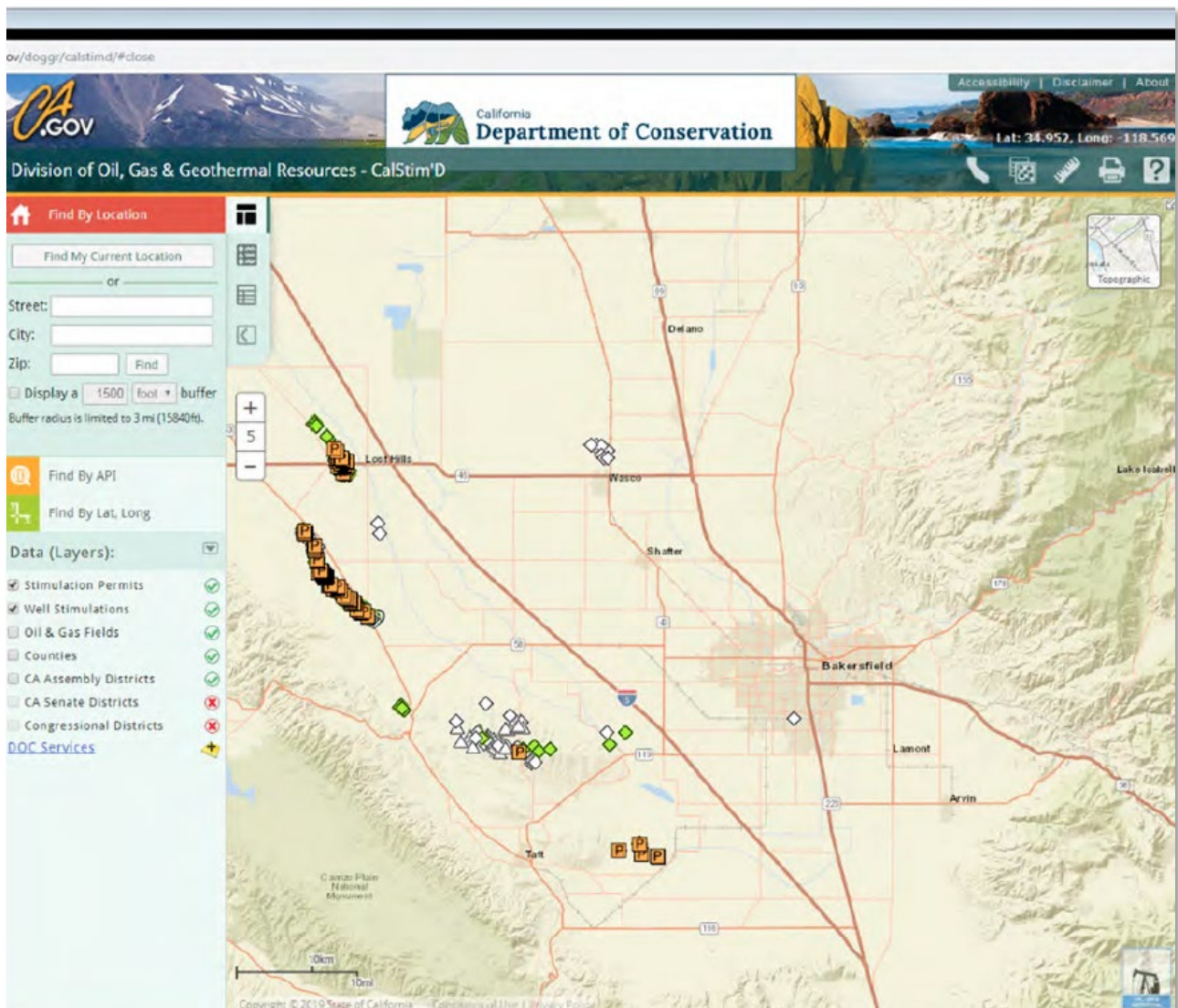
Select	File Name	File Size
<input type="checkbox"/>	06700323_2DIL1_06-16-2005.tif	< 1 MB
<input type="checkbox"/>	06700323_Data_06-16-2005_1.tif	< 1 MB
<input type="checkbox"/>	06700323_Data_06-16-2005_10a.tif	< 1 MB
<input type="checkbox"/>	06700323_Data_06-16-2005_10b.tif	< 1 MB
<input type="checkbox"/>	06700323_Data_06-16-2005_11.tif	< 1 MB
<input type="checkbox"/>	06700323_Data_06-16-2005_12.tif	< 1 MB

5.2. CalStim'D – Well Stimulation Permits and Sites

<https://maps.conservation.ca.gov/doggr/calstimd/#close>

- Data from CalGEM, formally known as DOGGR.
- Map viewer of well stimulation sites.
- No downloadable data.
- Searched by permits or American Petroleum Institute (API) number.
- Well Stimulation Treatment (WST) Disclosure; includes WST disclosures from Jan. 1, 2014 to present.
- No groundwater chemical data available. Contains information on the location of oil and gas production wells.
- No well stimulation permits are currently active in Amador or Sacramento County.

Screenshots of website and available data:



5.3. Well Stimulation Treatment Disclosure Search

https://www.conservation.ca.gov/calgem/Online_Data/Pages/Index.aspx

- Well stimulation sites and permits can be searched by date or chemical constituent.
- No downloadable data.
- No groundwater chemical data available.
- No well stimulation permits are currently active in Amador or Sacramento County.

Screenshots of website and available data:

Home | Well Stimulation

Well Stimulation

Permits Disclosures

Advanced Filtering Actions Search

<input type="checkbox"/>	Date Issued ↓	WST Permit #	API	Operator	County	Field	Permit Status	Stimulation Type	Actions
<input type="checkbox"/>	12/01/2021	19-0352-0	0403065972	Aera Energy LLC	Kern	Belridge, North	Expired	Hydraulic Fracturing	Actions
<input type="checkbox"/>	09/29/2021	90323060	0403068101	Aera Energy LLC	Kern	Belridge, South	Denied	Hydraulic Fracturing	Actions
<input type="checkbox"/>	09/29/2021	90323059	0403068099	Aera Energy LLC	Kern	Belridge, South	Denied	Hydraulic Fracturing	Actions
<input type="checkbox"/>	09/29/2021	90323065	0403068262	Aera Energy LLC	Kern	Belridge, South	Denied	Hydraulic Fracturing	Actions

WST Detail

19-0352-0, 0403065972 Permit Actions

Data displaying as "N/A" denotes that it is not applicable to the well stimulation treatment.

Well Information

API 0403065972	Wellbore Code 00	Permit Number 19-0352-0
Operator Aera Energy LLC	Permit Status Expired	Drilling Complete Yes
Spud Date N/A	Lease	Well Number 5006E-1
Well Status Permitted	Well Type Oil & Gas	Confidential Well? N/A
Plugback Depth MD (ft) N/A	Plugback Depth TVD (ft) N/A	Original Total Depth MD (ft) 3,002
Original Total Depth TVD (ft) 3,000	72-Hour Notice Given Yes	

5.4. Water Quality in Areas of Oil and Gas Production – Regional Groundwater Monitoring Program

https://www.waterboards.ca.gov/water_issues/programs/groundwater/sb4/regional_monitoring/index.html#overview

- Salinity mapping.
- Produced water characterization.
- Groundwater potential risk zone analysis.
- Data from USGS, CalGEM, and other state and regional boards.
- Chemical data are available to download. Trendline analysis is feasible.
- No groundwater chemical data available. Contains information on the location of oil and gas production wells.
- Data releases:
https://www.waterboards.ca.gov/water_issues/programs/groundwater/sb4/regional_monitoring/index.html#datareleases

Screenshots of website and available data:

The screenshot displays the California Water Boards website. The header includes the CA.gov logo, social media sharing options, and navigation links for About Us, Contact Us, Subscribe, and Settings. The main navigation bar features icons for Board, Programs, Drinking Water, Water Quality, Water Rights, Notices, Water Boards, and Search. The page title is "Water Quality in Areas of Oil and Gas Production". The breadcrumb trail reads: Home | Water Issues | Programs | Groundwater | Sb4 | Regional Monitoring. The main heading is "Regional Groundwater Monitoring". The text below explains that as required by SB 4 (Pavley, 2013) and detailed in the Model Criteria for Groundwater Monitoring in areas of Oil and Gas Well Stimulation (Model Criteria), the State Water Board is implementing a Regional Monitoring Program to protect waters designated for any beneficial use, while prioritizing the monitoring of groundwater that is or has the potential to be a source of drinking water. Factors considered for the program include well stimulation treatments, oil and gas activities, produced water ponds, and UIC wells. The USGS is the technical lead, and a letter from the USGS and State Water Resources, dated January 22, 2018, details objectives, protocols, and reporting procedures. On the right side, there is a "Monitoring (SB4) email list!" sign-up form with fields for "Email Address: (required)" and "Your Full Name: (required)", a "SUBSCRIBE" button, and a note to check email for a confirmation email. Below the form is a "Regional Monitoring Program Mapping Tool" section with a link to visit the online map and view study areas.



Scope of Work for USGS Technical Studies

- [Scope of Work 2014](#)
- [Scope of Work 2016](#)
- [Scope of Work 2017](#)
- [Scope of Work 2018](#)
- [Scope of Work 2019](#)
- [Scope of Work 2020](#)

Regional Monitoring Program Publications

Reports

[Everett et al., 2020. "Multiple-well monitoring site adjacent to the North and South Belridge Oil Fields, Kern County, California: U.S. Geological Survey Open-File Report 2020-1116"](#)

[Everett et al., 2020. "Multiple-Well Monitoring Site Adjacent to the Lost Hills Oil Field, Kern County, California"](#)

[Metzger and Landon, 2018. "Preliminary groundwater salinity mapping near selected oil fields using historical water-sample data, central and southern California. Scientific Investigations Report 2018-5082"](#)

[Davis et al., 2018. "Prioritization of oil and gas fields for regional groundwater monitoring based on a preliminary assessment of petroleum resource development and proximity to California's groundwater resources, Scientific Investigations Report 2018-5065"](#)

[McMahon et al., 2016. "Preliminary results from exploratory sampling of wells for the California oil, gas, and groundwater program, 2014–15, Open-File Report 2016-1100"](#)

[Dillon et al., 2016. "USGS Open-File Report 2016-1181: Data from Exploratory Sampling of Groundwater in Selected Oil and Gas Areas of Coastal Los Angeles County and Kern and Kings Counties in Southern San Joaquin Valley, 2014–15: California Oil, Gas, and Groundwater Project"](#)


Water chemistry data for samples collected at gr...

Types : Map Service,
Layer, OGC WMS

Attached Files

Provenance

Click on title to download individual files attached to this item or [download](#) all files listed below as a compressed file.

OxnardGWSampling_FGDC.xml <i>Original FGDC Metadata</i>	 View	65.3 KB	application/fgdc+xml
COGG_Data_Dictionary_OXNARDGW.xlsx		61.43 KB	application/vnd.openxmlformats-officedocument.spreadsheetml.sheet
GW_analysis_methods.xlsx		20.7 KB	application/vnd.openxmlformats-officedocument.spreadsheetml.sheet
Oxnard_GW_ENV_results.xlsx		41.35 KB	application/vnd.openxmlformats-officedocument.spreadsheetml.sheet
Oxnard_GW_QC_results.xlsx		49.66 KB	application/vnd.openxmlformats-officedocument.spreadsheetml.sheet
Oxnard_GW_sampled_sites.xlsx		14.91 KB	application/vnd.openxmlformats-officedocument.spreadsheetml.sheet
Oxnard_GW_csvFiles.zip		40.17 KB	application/zip

Related External Resources

Type: Related Primary Publication

Rosecrans, C.Z., Landon, M.K., McMahon, P.B., Gillespie, J.M., Kulongoski, J.T., Stephens, M.J., Hunt, A.G., Shimabukuro, D.H., and Davis, T.A., 2021, Groundwater Quality of Aquifers Overlying the Oxnard Oil Field, Ventura County, California: Science of The Total Environment, v. 771, p. 144822, <https://doi.org/10.1016/j.scitotenv.2020.144822>.

<https://doi.org/10.1016/j.scitotenv.2020.144822>

	A	B	C	D	G	H	I	J
	Attribute_label	Attribute_defini	Attribute_unit	USGS_param	Constituent_group	Reporting_level_typ e	Detection_level	Oxnard_GW_results_table
1								
2	HE3_HE4	He-3/He-4 ratio	atom ratio	P61040	Dissolved noble gases	nda	nda	NobleGases
3	HE3_HE4_ER	Helium-3/heliu	atom ratio	P85569	Dissolved noble gases	nda	nda	NobleGases
4	NE	Neon	cm ³ STP/g	P61046	Dissolved noble gases	LRL	1E-10	NobleGases
5	NE_ER	Neon error	cm ³ STP/g	P61047	Dissolved noble gases	nda	nda	NobleGases
6	HE4	Helium	cm ³ STP/g	P85561	Dissolved noble gases	LRL	1E-10	NobleGases
7	HE4_ER	Helium-4 error	cm ³ STP/g	P85562	Dissolved noble gases	nda	nda	NobleGases
8	AR	Argon	cm ³ STP/g	P85563	Dissolved noble gases	LRL	0.000001	NobleGases
9	AR_ER	Argon error	cm ³ STP/g	P85564	Dissolved noble gases	nda	nda	NobleGases
10	KR	Krypton	cm ³ STP/g	P85565	Dissolved noble gases	LRL	1E-10	NobleGases
11	KR_ER	Krypton error	cm ³ STP/g	P85566	Dissolved noble gases	nda	nda	NobleGases
12	XE	Xenon	cm ³ STP/g	P85567	Dissolved noble gases	LRL	1E-11	NobleGases
13	XE_ER	Xenon error	cm ³ STP/g	P85568	Dissolved noble gases	nda	nda	NobleGases
14	NE2022	Ne-20/Ne-22, w/ ratio		P82753	Dissolved noble gases	nda	nda	NobleGases
15	NE2122	Ne-21/Ne-22, w/ ratio		P82754	Dissolved noble gases	nda	nda	nd
16	AR3936	Ar-39/Ar-36, w/ ratio		P82755	Dissolved noble gases	nda	nda	nd
17	AR4036	Ar-40/Ar-36, w/ ratio		P82756	Dissolved noble gases	nda	nda	NobleGases
18	KR7984	Kr-79/Kr-84, w/ ratio		P82757	Dissolved noble gases	nda	nda	nd
19	KR8084	Kr-80/Kr-84, w/ ratio		P82758	Dissolved noble gases	nda	nda	nd
20	KR8284	Kr-82/Kr-84, w/ ratio		P82759	Dissolved noble gases	nda	nda	nd
21	KR8384	Kr-83/Kr-84, w/ ratio		P82760	Dissolved noble gases	nda	nda	nd
22	KR8684	Kr-86/Kr-84, w/ ratio		P82761	Dissolved noble gases	nda	nda	NobleGases
23	XE124132	Xe-124/Xe-132, v ratio		P82762	Dissolved noble gases	nda	nda	nd
24	XE126132	Xe-126/Xe-132, v ratio		P82763	Dissolved noble gases	nda	nda	nd
25	XE128132	Xe-128/Xe-132, v ratio		P82764	Dissolved noble gases	nda	nda	nd
26	XE129132	Xe-129/Xe-132, v ratio		P82765	Dissolved noble gases	nda	nda	nd
27	XE130132	Xe-130/Xe-132, v ratio		P82766	Dissolved noble gases	nda	nda	NobleGases
28	XE131132	Xe-131/Xe-132, v ratio		P82767	Dissolved noble gases	nda	nda	nd
29	XE134132	Xe-134/Xe-132, v ratio		P82768	Dissolved noble gases	nda	nda	nd
30	XE136132	Xe-136/Xe-132, v ratio		P82769	Dissolved noble gases	nda	nda	nd
31	NE2022_ER	Ne-20/Ne-22 err ratio		P82770	Dissolved noble gases	nda	nda	NobleGases
32	NE2122_ER	Ne-21/Ne-22 err ratio		P82771	Dissolved noble gases	nda	nda	nd
33	AR3936_ER	Ar-39/Ar-36 errc ratio		P82772	Dissolved noble gases	nda	nda	nd
34	AR4036_ER	Ar-40/Ar-36 errc ratio		P82773	Dissolved noble gases	nda	nda	NobleGases
35	KR7984_ER	Kr-79/Kr-84 errc ratio		P82774	Dissolved noble gases	nda	nda	nd
36	KR8084_ER	Kr-80/Kr-84 errc ratio		P82775	Dissolved noble gases	nda	nda	nd
37	KR8284_ER	Kr-82/Kr-84 errc ratio		P82776	Dissolved noble gases	nda	nda	nd
38	KR8384_ER	Kr-83/Kr-84 errc ratio		P82777	Dissolved noble gases	nda	nda	nd
39	KR8684_ER	Kr-86/Kr-84 errc ratio		P82778	Dissolved noble gases	nda	nda	NobleGases

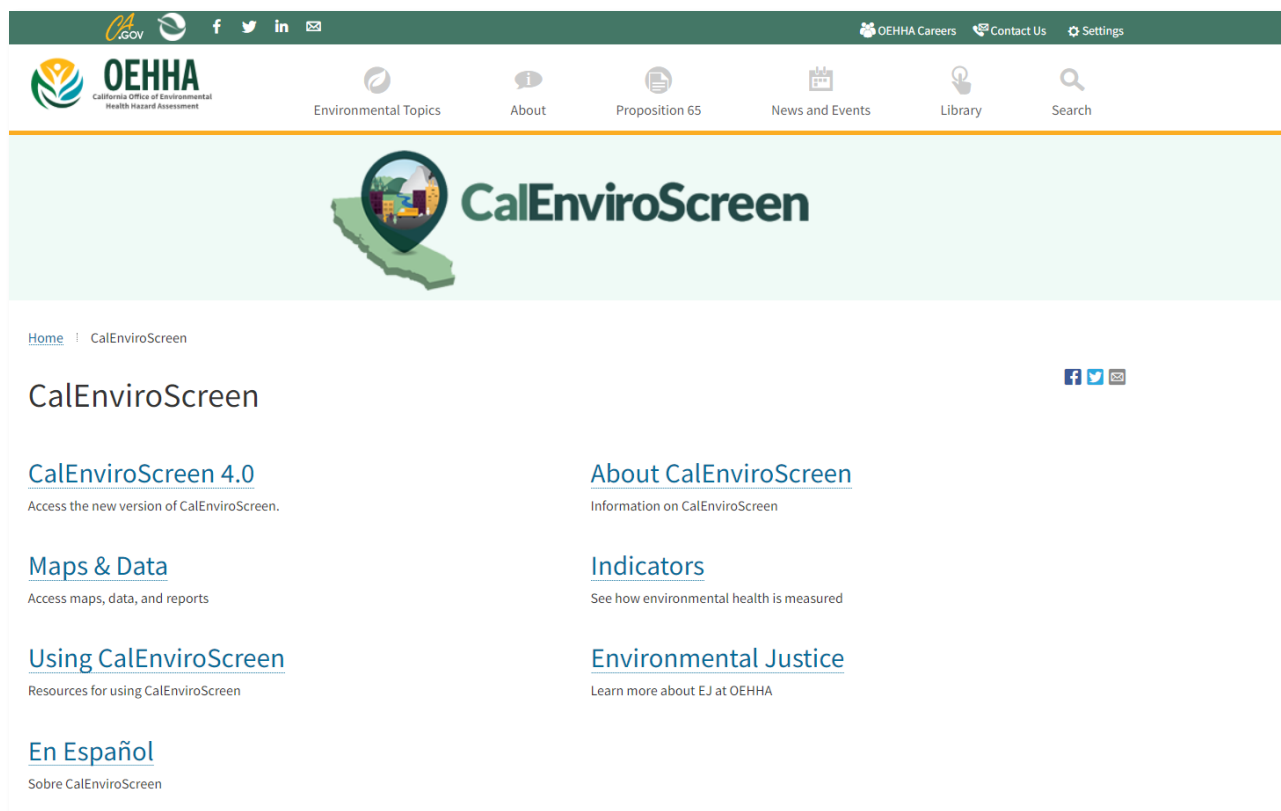
6. Information on Vulnerability Assessment Tools Pertaining to Groundwater

6.1. CalEnviroScreen 4.0 Maps

<https://oehha.ca.gov/calenviroscreen>

- Scores for pollution burden, including groundwater threats, drinking water contamination, clean ups, pesticides, and other indicators of pollution burden, and population characteristics by census tract.
- From various sources.
- Downloadable data in various formats (no chemical concentration measurements or groundwater elevations).
- Screening tool to help identify communities burdened by or susceptible to multiple sources of pollution.
- Maps – Cal EnviroScreen, Pesticides, Pollution Map, Disadvantaged Communities, etc. <https://oehha.ca.gov/library/maps>
 - Most results are expressed as scores; applicable for regulatory purposes.
- Chemicals databases – toxicity reports: <https://oehha.ca.gov/node/11208>

Screenshots of website:



Download Data



[Download Data](#)
[Reports & Publications](#)
[San Ysidro Community Air Study](#)
[Imperial County Water Study](#)
[Earlier Versions](#)

CalEnviroScreen 4.0 Data

- [Microsoft Excel spreadsheet and PDF with a Data Dictionary](#): There are two files in this zipped folder. 1) a spreadsheet showing raw data and calculated percentiles for individual indicators and combined CalEnviroScreen scores for individual census tracts with additional demographic information. 2) a pdf document including the data dictionary and information on zeros and missing values: [CalEnviroScreen 4.0 Excel and Data Dictionary PDF](#)
- [ArcGIS Geodatabase](#): Includes CalEnviroScreen 4.0 results by census tract. Additional information describing the data and its limitations is part of the geodatabase (metadata). A zipped file which can be unzipped, then opened using ArcGIS software to view the results in a File Geodatabase Feature Class format (ArcGIS is a paid subscription): [CalEnviroScreen 4.0 GDB file](#)
- [Shapefile](#): Includes CalEnviroScreen 4.0 results by census tract. Additional information describing the data and its limitations is part of the shapefile (metadata). Zipped file can be unzipped, and then opened in any GIS software: [CalEnviroScreen 4.0 SHP file](#)
- [Service URL: ArcGIS feature service](#): https://services1.arcgis.com/PCHfH4GIDNAhBb/arcgis/rest/services/CalEnviroScreen_4_0_Results_/FeatureServer

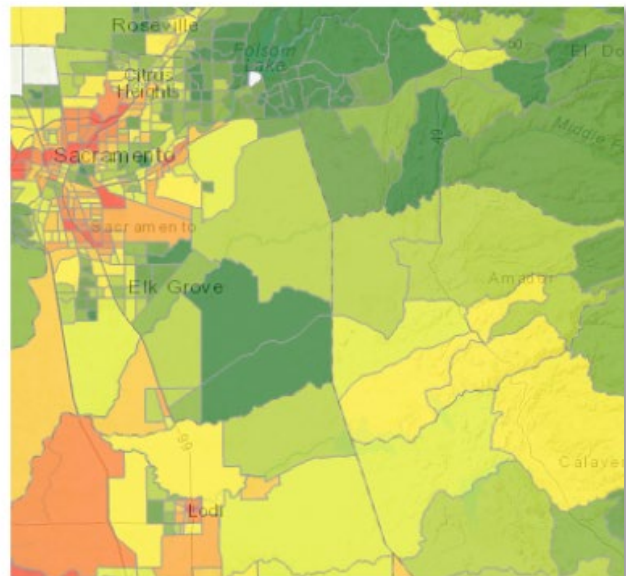
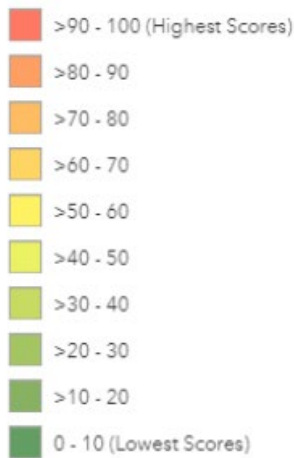
Supplemental Materials:

[Factsheet](#) on CalEnviroScreen 3.0.

[Methodology for A Statewide Drinking Water Contaminant Indicator](#): Technical document on the CalEnviroScreen 3.0 Drinking Water Contaminant Index indicator.

Overall Percentile

CalEnviroScreen 4.0 Results



CalEnviroScreen 4.0 High Pollution, Low Population



