

## **CALIFORNIA WATER DATA**

**8/31/11**

### ***What organization do you work for?***

State Water Board, Office of Information Management and Analysis

### ***What program or programs do you work on?***

Surface Water Ambient Monitoring Program (SWAMP)

California Environmental Data Exchange Network (CEDEN)

### ***The mission of the program.***

The SWAMP mission is to provide resource managers, decision makers, and the public with timely, high-quality information to evaluate the condition of all waters throughout California

### ***The authority for the program.***

The Public Advisory Group authorized/required by Assembly Bill 982 advised the State Water Board's TMDL and 'Listing' programs on the State Water Board's developing 'Listing Policy'; (TMDL-Total Maximum Daily Load; which limits pollutant concentrations allowed in 'Impaired' water bodies. ('Impaired' in water quality; or 'Listed' on the federal Clean Water Act Section 303(d) List of Impaired Waters.

### ***What data is collected for the program?***

- Status: What is the overall quality of California's surface waters?
- Trends: What is the pace and direction of change in surface water quality over time?
- Problem Identification: Which water bodies have water quality problems and which areas are at risk?
- Diagnostic: What are the causes of water quality problems and where are the sources of those stressors?
- Evaluation: How effective are clean water projects and programs?
  
- Monitoring at both statewide and regional levels is necessary to protect water quality in California.
- Monitoring is designed to support a network of information users that include state and local agencies, the regulated community, the interested public, and their elected representatives.
- Monitoring efforts are prioritized.
- SWAMP seeks to make the most efficient use of data collected by all Water Board programs, as well as the large amount of data collected by local agencies and the regulated community.
- SWAMP monitoring evaluates the physical, chemical, and biological integrity of the State's waters.

### ***How the data is managed?***

## SWAMP Database

***How the data is published or otherwise available to people beyond the program?***

The screenshot displays the CEDEN (California Environmental Data Exchange Network) website. The top navigation bar includes links for Home, About Us, Submit Data, Access Data, News, and Frequently Asked Questions. The main content area features a map of California with numerous green circular markers representing monitoring stations. To the right of the map is a search and filter panel. The 'RESULT CATEGORY' is set to 'Water Quality'. Below this, there are buttons for 'MAP STATIONS', 'MAP COUNTIES', and 'MAP HUC-8'. Further down, there are buttons for 'SHOW QA', 'SHOW STATIONLU', and 'HELP'. A 'START OVER' button is also present. The 'Programs' filter is set to 'Surface Water Ambient Monitoring Program'. The 'Projects' filter is set to 'Do not limit search by Projects'. The 'Parameter Groups' filter is set to 'pesticides'. The 'Parameters' filter is set to a list of various pesticides, including Terbutryn, Total, Tetrachloro-m-xylene(Surrogate), Total, Tetrachlorvinphos, Total, Thiobencarb, Total, Thionazin, Total, Tokuthion, Total, Toxaphene, Total, Trichlorfon, Total, Trichloronate, Total, and Triphenyl phosphate(Surrogate), Total. The 'Matrixes' filter is set to 'Do not limit search by Matrixes'.

***What analyses and products does the program produce?***

- Integrated 305(b)/303(d) report
- Annual Assessment reports
- My Water Quality Portals
- Assessment Framework
- Quality Assurance Program
- Standard protocols