

Central Valley Monitoring Directory

Beta Version
Central Valley MONITORING DIRECTORY

THE MONITORING DIRECTORY IS OPTIMIZED FOR USE WITH FIREFOX 3+ OR INTERNET EXPLORER 8+

Website survey

Please take a few minutes to provide your feedback on the utility and performance of this monitoring directory

The Central Valley Monitoring Directory provides access to program and metadata for current water quality monitoring efforts in the Central Valley watershed. The directory has been developed to help improve the coordination and integration of existing monitoring efforts. Monitoring information is accessed through an interactive map and forms. Links to actual water quality data (hosted elsewhere) have been provided when available.

Features include:

- ▶ Monitoring program information (objectives, duration, funding) and metadata (sampling sites, frequency, parameters, data availability)
- ▶ An interactive map for searching and viewing of monitoring locations and program information
- ▶ Password-protected domains as a convenient tool for program managers to enter and update monitoring information



HOME

DIRECTORY

CONTACT

LOGIN

The CENTRAL VALLEY MONITORING DIRECTORY is maintained and was developed by the Aquatic Science Center (ASC), with funding and participation from the Central Valley Regional Water Quality Control Board Surface Water Ambient Monitoring Program (SWAMP) and the U.S. Environmental Protection Agency (USEPA).



Presentation Outline

- Provide the background, current status and a short demonstration of the directory (*Anne Littlejohn*)
- Review potential improvements identified by users and the feasibility of meeting those items (*Michael May*)
- Discuss how the directory can support the Monitoring Council's goals and the "My Water Quality" format (*Thomas Jabusch/All*)

What is it?

- Web-based map and database tool
- Provides information on **CURRENT** monitoring programs
 - Objectives, duration, funding
 - Sampling sites, frequency, analytes, data availability
- Interactive map for GIS based searching and viewing of monitoring locations and program information
- Password-protected domains for program managers to enter and update information online

Goal

Provide a tool that documents **CURRENT** surface water quality monitoring in order to:

- Facilitate more coordinated activities
- Better leverage shrinking resources

Background

- 2007 Originally developed by SFEI with EPA funding - **San Joaquin River Basin**
 - Proto-type reviewed by a variety of SJW stakeholders
 - Identified as an important tool to improve monitoring coordination
- 2007-2010 Further developed with SWAMP funding for the **entire Central Valley**
 - Utilized by the Delta Regional Monitoring Program in identifying long term monitoring efforts
- **August 2010 – Newly updated version online at www.centralvalleymonitoring.org**

Online Demonstration

Recent Activities

Central Valley Waterboard SWAMP contract with [Aquatic Science Center](#) for:

- Enhancements
- Maintenance
- Feasibility Report to identify Next Steps/Future Enhancements

Ends in March 2012

Outreach and User Feedback

- Workshops

- Local Watershed Groups
- DPA, DWR
- Consultants/Other

- Surveys

- Webinar

Next Steps - Feasibility Study

- Identify Key Work Items/Enhancements to the Directory
 - Data Filters/Selection Options
 - General Website Navigation
 - Mapping
 - Data Entry
 - Data Exports
- Prioritize Identified Work Items
- Review Current Funding
- Provide Cost Estimates for Future Work

Funded Features

- View monitoring activity by date range
- Improve sites table
 - Add Start/End dates for analytes, sites
- Augment excel export
- Resolve sites list consistency

Future Features

- Support sampling *areas*
- Option to generalize site location
- Increase data entry efficiency
 - Copy from existing Plan
 - Import from spreadsheet
- PDF download
- *Duplication of effort* analysis

Future Feature: Duplication of Effort Analysis

- Rank relative duplication based on
 - Location
 - Analytes measured
 - Frequency
- Display rankings on map and table

Selected Development Issue: Basins & Sub-basins

- Directory uses
 - Basins
 - Sub-basins
 - Watersheds
- Basins and sub-basins not standard
- Need consistent state-wide definition of basins and sub-basins

COORDINATION

... redundant monitoring activities can occur because of [a lack of basic information relative to the scope of monitoring activities](#) throughout the state. For example, there are 100 water quality monitoring efforts underway in the Central Valley alone, and coordination is minimal.”

(from Senate Bill 1070)

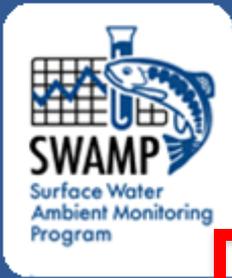
PARTICIPATION



- Cal/EPA
- Natural Resources Agency
- About the California Water Quality Monitoring Council

- Web Portal Partners
- Monitoring & Assessment Programs, Data Sources & Reports
- Water Quality Standards, Plans and Policies
- Regulatory Activities
- Enforcement Actions
- Research

- State & Regional Water Boards
 - Performance Report
 - About SWAMP
 - SWAMP Tools



Welcome to My Water Quality

This web portal, supported by a wide variety of public and private organizations, presents California water quality monitoring data and information. The web portal development concentrates on four theme areas, with web portals to be released one at a time. Click the [Contact Us](#) tab for more information.

The Monitoring Council seeks to provide multiple perspectives on water quality information and to highlight existing data gaps and information needs for needed improvement in order to better address the public's questions. Questions and comments should be addressed through the [Contact Us](#) tab.



IS OUR WATER SAFE TO DRINK?

Safe drinking water depends on a variety of chemical and biological factors regulated by a number of local, state, and federal agencies.



IS IT SAFE TO SWIM IN OUR WATERS?

Swimming safety of our waters is linked to the levels of pathogens that have the potential to cause disease.



IS IT SAFE TO EAT FISH AND SHELLFISH FROM OUR WATERS?

Aquatic organisms are able to accumulate certain pollutants from the water in which they live, sometimes making them unsafe to eat.



ARE OUR AQUATIC ECOSYSTEMS HEALTHY?

The health of fish and other aquatic organisms and communities depends on the chemical, physical, and biological quality of the water.



WHAT STRESSORS AND PROCESSES AFFECT OUR WATER QUALITY?

Beneficial uses of our waters are affected by emerging contaminants, invasive species, trash, global warming, and other stressors.

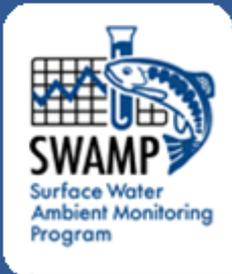
MONITORING DIRECTORY

WHO IS MONITORING WHAT WHEN WHERE?

Ongoing monitoring efforts providing information on California's water quality. [More >>](#)

- Cal/EPA
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