

CENTRAL VALLEY MONITORING DIRECTORY: Web-based Coordination Tool

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> <http://www.centralvalleymonitoring.org>

Purpose

Promote and facilitate improved coordination of surface water quality monitoring across the Central Valley watershed.

Objectives

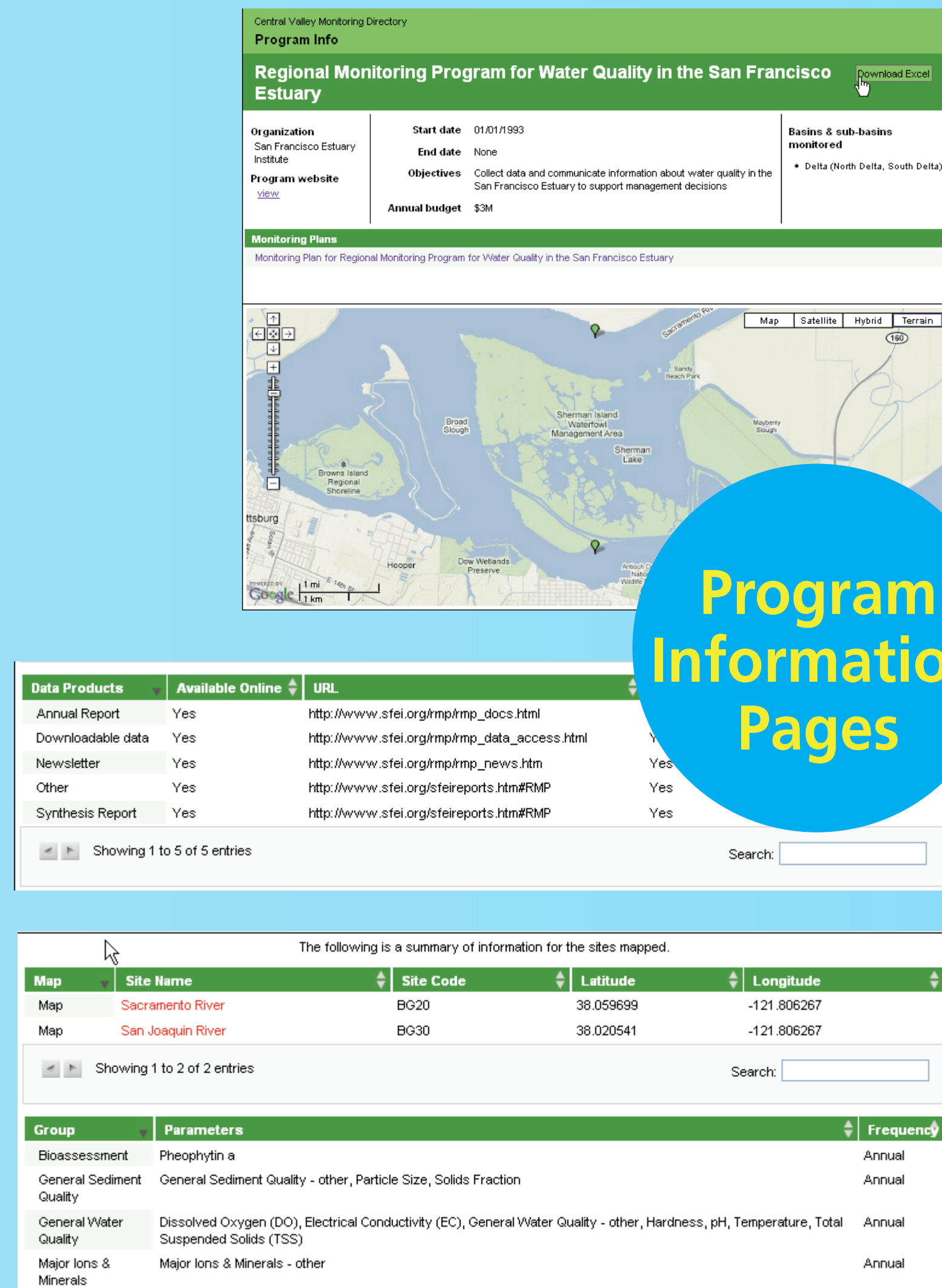
- Provide an up-to-date online directory for information on current surface water quality monitoring efforts in the Central Valley watershed;
- Facilitate monitoring groups and data users to find, track, and summarize information about ongoing surface water monitoring activities within a basin;
- Provide a low-maintenance, interactive online resource that can be self-populated and continuously updated by participants as new efforts emerge and others are discontinued.

Key Features



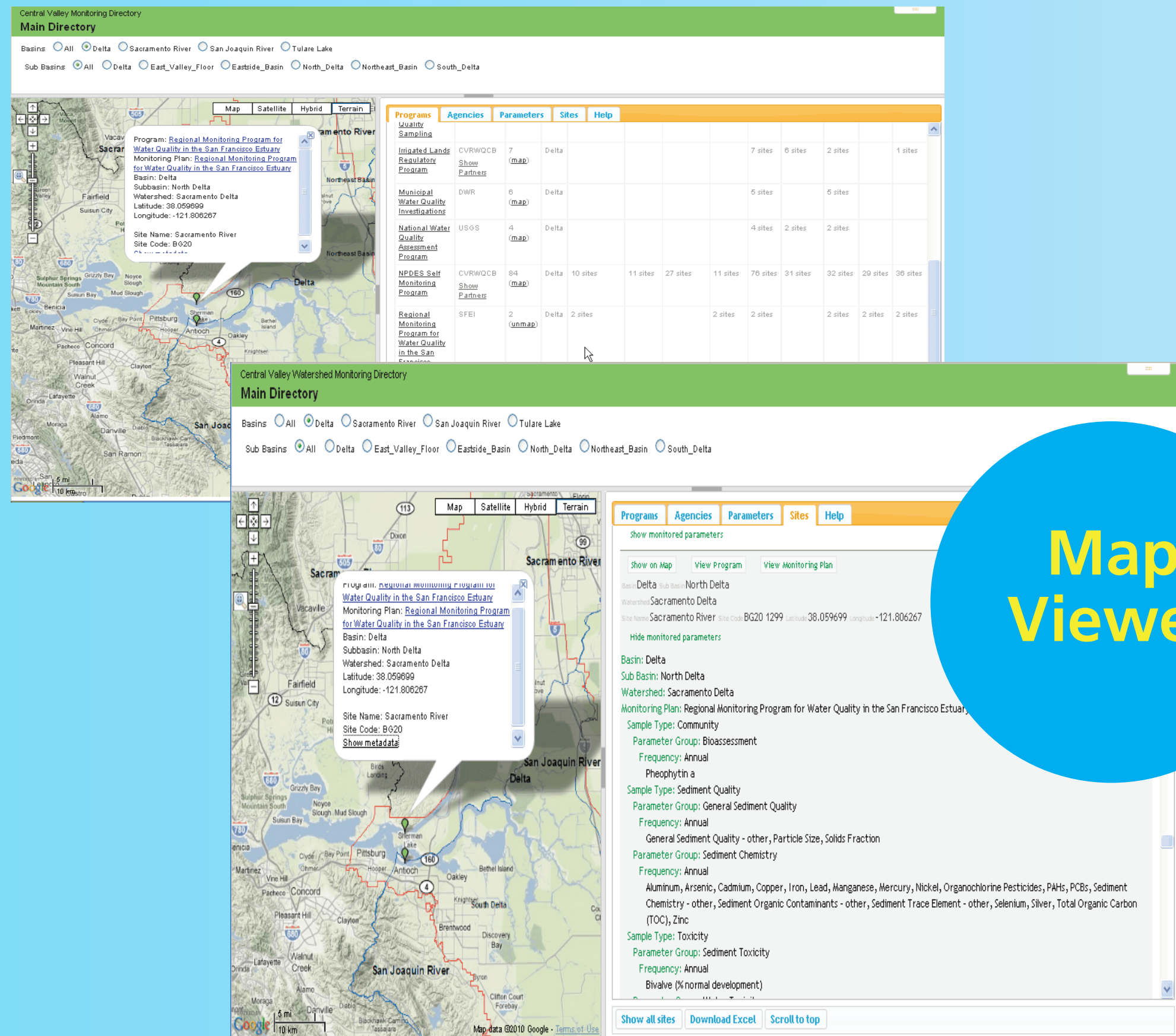
What is it?

The Monitoring Directory is an online resource for basic information relative to the scope and extent of existing surface water monitoring programs and metadata information.



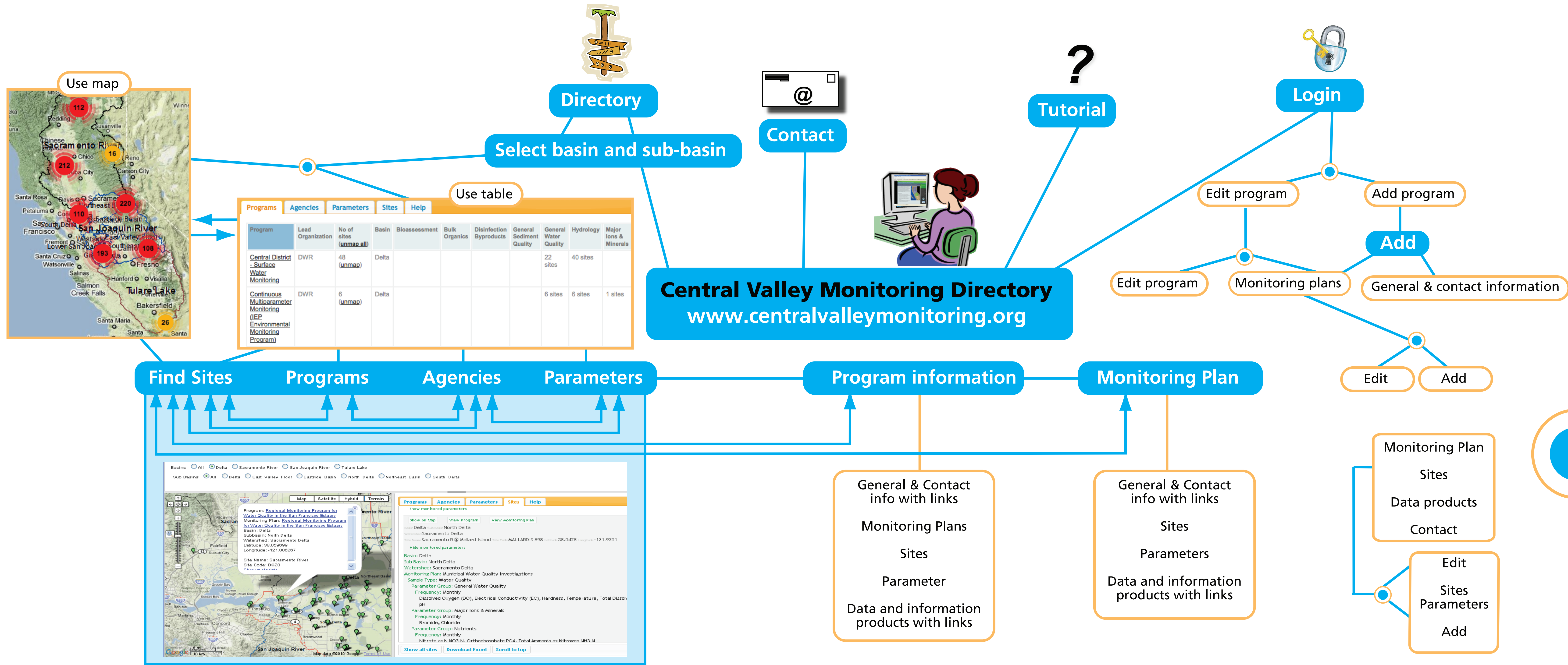
Program Information Pages

- Each program or project has its own page, providing information on monitoring objectives, contacts, sites, parameters, and data availability.
- Program managers get password-protected access to update their own monitoring information.



Map Viewer

- Shows monitoring locations in the Central Valley Watershed;
- Displays monitoring sites and information by program, sampling location, or parameter.



Next Steps

Feasibility Study (Due November 2011)

Based in part on user survey responses. Identifies:

- Potential upgrades
- Associated costs
- Relative priority per user response

"Numerous water monitoring efforts are conducted by local, state, and federal agencies, regulated entities, and citizen monitoring groups. Many of these efforts are uncoordinated, and as a result funds and information are not being used as effectively as they could be. In addition, 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**)

Possible Future Directions

Expansion to entire State

State Water Board staff is evaluating the possibility. SWAMP funds have been tentatively set aside.

Integration with Web Portals

Proposed to support the California Water Quality Monitoring Council's information management and dissemination strategy.

Development Team

- Thomas Jabusch (Aquatic Science Center)
- Anne Littlejohn (Central Valley Regional Water Board)
- Cristina Grosso (Aquatic Science Center)
- Todd Featherston (Aquatic Science Center)
- Michael May (Aquatic Science Center)
- Jeanne Chilcott (Central Valley Regional Water Board)



At a Glance

- U.S. EPA provided seed money for the San Joaquin River Basin Monitoring directory (2007).
- The Central Valley Surface Water Ambient Monitoring Program (SWAMP) funded the full development of the Monitoring Directory and its expansion to all of Region 5 (2008 – 2010).
- Key features of coordination tool:

1. Monitoring program information (objectives, duration, funding, contacts) and metadata (sampling sites, frequency, parameters, data availability);
2. A map-based interface for searching and viewing monitoring locations and program information;

3. Password-protected domains for program managers to enter and update monitoring information;
4. The ability to download information as an Excel file.

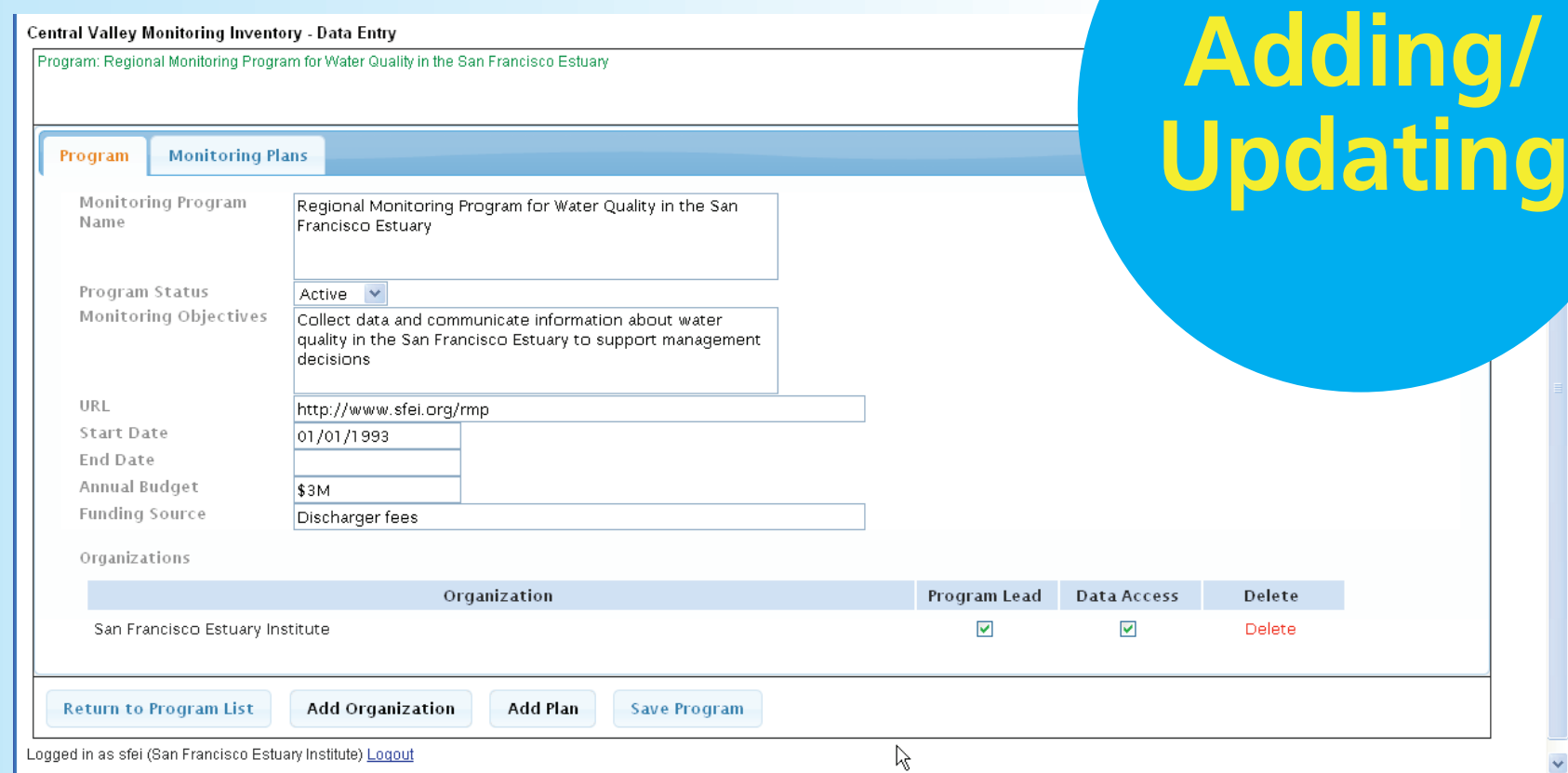
- The development team is conducting a feasibility study to review the tool with stakeholders for its utility in helping to plan and better coordinate future water quality monitoring activities.

- Possible future directions:

1. Statewide use (funded by SWAMP).
2. Integration with Web Portals (guided by California Water Quality Monitoring Council).

Adding/Updating Monitoring Program Information

- A convenient tool with password-protected access for managers to keep monitoring information updated.



Adding/Updating