Regional Data Center Services

1. Upload and Check Data
2. Store and Manage Data
3. Exchange Data
4. Access Data
5. Coordinate Technology
6. Integrate Data
7. Audit Data
Range of data types

→ **Clean Water**
  – long-term water quality monitoring

→ **Wetlands Science**
  – project information, monitoring reports
  – habitat and condition data

→ **Historical Ecology**
  – spatial data
  – photos, maps
Why standardize?

→ Facilitate data analysis and comparisons

→ Enable display of long-term data
  — Report on trends
  — Develop scorecards

→ Assist in TMDLs and Integrated Report
Water Quality Trends

2 PCBs IN SPORT FISH

3 DIOXINS IN SPORT FISH

NO APPARENT TREND

PCBs (ppb)

Sum of TEQs (ppt)


OEHHA no consumption threshold

Switch to croaker without skin

OEHHA 2 meal/wk threshold

Switch to croaker without skin

Shiner Surfperch

White Croaker
2010 INTEGRATED REPORT — ALL ASSESSED WATERS

Show all assessed waters
Show only impaired ("303(d)-listed") waters

Show water bodies by pollutant

Pollutant category:
All

Pollutant:
All

Reset filters
Why not to standardize?

→ Increases level of effort

→ Increases costs

→ Impedes timely availability of data

→ Orphans smaller datasets
What are some options?

→ Data portals

→ Metadata to direct users to datasets

→ File repository accepts different formats

→ Data integration tool
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 assessment information that may be viewed across space and time. Initial 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 inconsistencies in data collection and interpretation, thereby identifying areas 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. More>>

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. More >>

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 reaching levels that could harm consumers. More>>

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 waters in which they live. More>>

WHAT STRESSORS AND PROCESSES AFFECT OUR WATER QUALITY?
Beneficial uses of our waters are affected by emerging contaminants, invasive species, trash, global warming, acidification, pollutant loads, and flow. More>>

waterboards.ca.gov/mywaterquality
Safe To Eat Portal

What are the Levels and Long-Term Trends in My Lake, Stream, or Ocean Location?

Select location from list.

Contaminant Data

This interactive map allows you to explore fish contaminant data and from other studies. Data from 2007-2009 are shown by default below and click on box for your location to view, trends, or contaminants. Click on map locations for details. Data displayed on the map are for monitoring locations. Please note that only one water body may be displayed on the map at a time.

San Pablo Bay (5)

View Safe Eating Guidelines for this water body.

Data Trends Nearby Locations

What are the most recent data for my location?

Contaminant Data For 2007 - 2009

<table>
<thead>
<tr>
<th>Species</th>
<th>MERCURY (ppm)</th>
<th>Sample Year</th>
<th>Prep Code</th>
<th>Sample Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>California Halibut</td>
<td>0.18</td>
<td>2009</td>
<td>Skin off</td>
<td>Average of Composites</td>
</tr>
<tr>
<td>Jacksmelt</td>
<td>0.1</td>
<td>2009</td>
<td>Skin off</td>
<td>Average of Composites</td>
</tr>
<tr>
<td>Leopard shark</td>
<td>1.49</td>
<td>2009</td>
<td>Skin off</td>
<td>Average of Individuals</td>
</tr>
<tr>
<td>Shiner Surperch</td>
<td>0.08</td>
<td>2009</td>
<td>Skin On, Scales Off</td>
<td>Average of Composites</td>
</tr>
<tr>
<td>Striped Bass</td>
<td>0.47</td>
<td>2009</td>
<td>Skin off</td>
<td>Average of Individuals</td>
</tr>
</tbody>
</table>

Download Map Data

Go Reset
WQT USER INTERFACE

Search Parameters:
- **Test Material:** Water
- **Program/Project:** Regional Monitoring Program
- **Start Year:** 1993
- **End Year:** 2010
- **Fraction:** Dissolved
- **Parameter Type:** Trace Elements
- **Parameter:** Copper

Copper (ug/L)
- Average of Multiple Samples
  - Null / Not Reported (0)
  - 0.454 - 1.670 (56)
  - 1.670 - 2.136 (57)
  - 2.136 - 2.784 (57)
  - 2.784 - 5.640 (56)
Display Notes:

- In 2008, the lab did not analyze larger grain size fractions (e.g., % Gravel+Shell (> and only fractions <2mm are available.
- In 2008, RMP switched grain size labs from UCSC-DET to MLML-Aiello. Grain size determination changed to an optical method.
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,
### Regional Monitoring Program for Water Quality in the San Francisco Estuary

**Organization**
San Francisco Estuary Institute

**Program website**
[view](#)

<table>
<thead>
<tr>
<th>Start date</th>
<th>End date</th>
<th>Objectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>01/01/1993</td>
<td>None</td>
<td>Collect data and communicate information about water quality in the San Francisco Estuary to support management decisions</td>
</tr>
</tbody>
</table>

**Annual budget**
$3M

**Basins & sub-basins monitored**
- Delta (North Delta, South Delta)

### Sites Monitored

<table>
<thead>
<tr>
<th>Name</th>
<th>Code</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Map</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sacramento River</td>
<td>BG20</td>
<td>38.059599</td>
<td>-121.806267</td>
<td>locate</td>
</tr>
<tr>
<td>San Joaquin River</td>
<td>BG30</td>
<td>38.020541</td>
<td>-121.806267</td>
<td>locate</td>
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</tbody>
</table>

### Data Products Available

<table>
<thead>
<tr>
<th>Item</th>
<th>Available Online</th>
<th>URL</th>
<th>Available by Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual Report</td>
<td>Yes</td>
<td><a href="http://www.sfei.org/rmp/rmp_docs.html">http://www.sfei.org/rmp/rmp_docs.html</a></td>
<td>Yes</td>
</tr>
<tr>
<td>Downloadable data</td>
<td>Yes</td>
<td><a href="http://www.sfei.org/rmp/rmp_data_access.html">http://www.sfei.org/rmp/rmp_data_access.html</a></td>
<td>Yes</td>
</tr>
<tr>
<td>Downloadable data</td>
<td>Yes</td>
<td><a href="http://www.ceden.org">http://www.ceden.org</a></td>
<td>Yes</td>
</tr>
<tr>
<td>Newsletter</td>
<td>Yes</td>
<td><a href="http://www.sfei.org/rmp/rmp_news.html">http://www.sfei.org/rmp/rmp_news.html</a></td>
<td>Yes</td>
</tr>
</tbody>
</table>
2006/2007 Biological Survey Report
Report describes biological surveys conducted at the site in 2006 and 2007.


Submit date: 09/22/2010
Submitted by: Rachel Bonnefil, Acta Environmental, Inc., bonnefil@sbcglobal.net

File type: monitoring report

Describes sediment and water-quality monitoring methods and results for 2008 and 2009.

Montezuma 2008-2009 sediment & wq rpt.pdf


Submit date: 02/09/2011
Submitted by: Rachel Bonnefil, Acta Environmental, Inc., bonnefil@sbcglobal.net

File type: monitoring report
Add files or links

Add one or more files to this project to make the information available to others in the wetland restoration community. The files can be of any type: reports, photos, spreadsheets, or others. Alternatively, submit a web link (URL) to information already available elsewhere on the web.

Note: To add files, you must have cookies enabled on your browser.

Step 1  Give the item you are uploading or linking to a short, descriptive title; choose the information type; and if desired, provide a detailed description or comment. This information will appear with your submission.

<table>
<thead>
<tr>
<th>Type</th>
<th>Monitoring Report</th>
<th>Plan or Permit</th>
<th>Dataset</th>
<th>Photo</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Includes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Includes Map</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Includes Performance Criteria</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Step 2  Add your contact information. This information will appear with your submission.
Landscape Profile/Data Integration

Interactive Map

Project Information
- Wetland Projects
- 1600 Permit Projects
- SFBJV Projects
- Trash

Habitats
- Modern Habitats
- Non-Tidal Wetlands
- Open Water
- Vegetated
- Vernal Pool
- Slope
- Unvegetated Flat
- Tidal Wetlands
- Marsh
- Marsh Flat
- Bay Flat
- Panne
- Lagoon
- Bay Deep
At this location

Wetland Condition (CRAM)

Brown's Island

Wetland Class: Estuarine Non-Saline
Assessment Type: Ambient Survey- reference site
Visit Date: 2007-10-25
Overall Score: 85
Attributes

Landscape: 100
Hydrology: 100
Physical Structure: 63
Biotic Structure: 78
Considerations

→ Intended use of data
→ Standardize via data entry
→ Level of effort required by users
→ Funding
Thank you