RMP Data Management: 2011 Highlights and 2012 Goals

Cristina Grosso, John Ross, Amy Franz, Adam Wong, Donald Yee, Sarah Lowe, Todd Featherston, Jen Hunt, Susan Klosterhaus, Shira Bezalel, Patty Frontiera





2011 Highlights

- Uploaded 2010 data to database
- Designed new sample archive database
- Improved web site and reporting
- Provided online data access







SAN FRANCISCO ESTUARY INSTITUTE

EGION-WIDE SCIENCE FOR ECOSYSTEM MANAGEMEN

HOME

PROGRAMS

DRO IECTS

DOCHMENTS and REDORTS DATA CENTER

USGS Monthly Water Quality Data

CALENDAR

ABOUT US

Home :: Programs :: Regional Monitorin

RMP Data

RMP Data

Data Access

RMP data can be accessed via our and corrections. The database wa

Quality Assurance & Qualit

Sample Area Weights

Ö

Web Query Tool

Ö

Reportable Analytes

Ö

- 1999 Quality Assurance Pro
- RMP Field Operations Mani

Usage and Publication Polic

Ö

Dredged Material Testing

Thresholds for Sediment

not the intent of this Policy to repurpose of this Policy Statement i One of the main principles of the users. All RMP data goes through

usage, knowledge of the data quality, and professional courtesy snould all be considered in obtaining and using KMP

All of the RMP data have been ob! the data are public domain and th

timely manner. RMP publications include written contributions from lead investigators, collaborating scientists, and SFEI staff. Pilot and Special Studies summaries will usually be written under contract by the lead investigator. Upon The first obligation of RMP investigators and participants is to provide RMP data to SFEI to assure publication in a recommendation by the Technical Review Committee, the Steering Committee will determine the content of the RMP publications.

ď

AREAS

RMP Target Analyte List

ō

Changes to the RMP

o

at is the RMP?

mmittees and Workgroups **stus & Trends Monitoring**

ot & Special Studies

N Projects

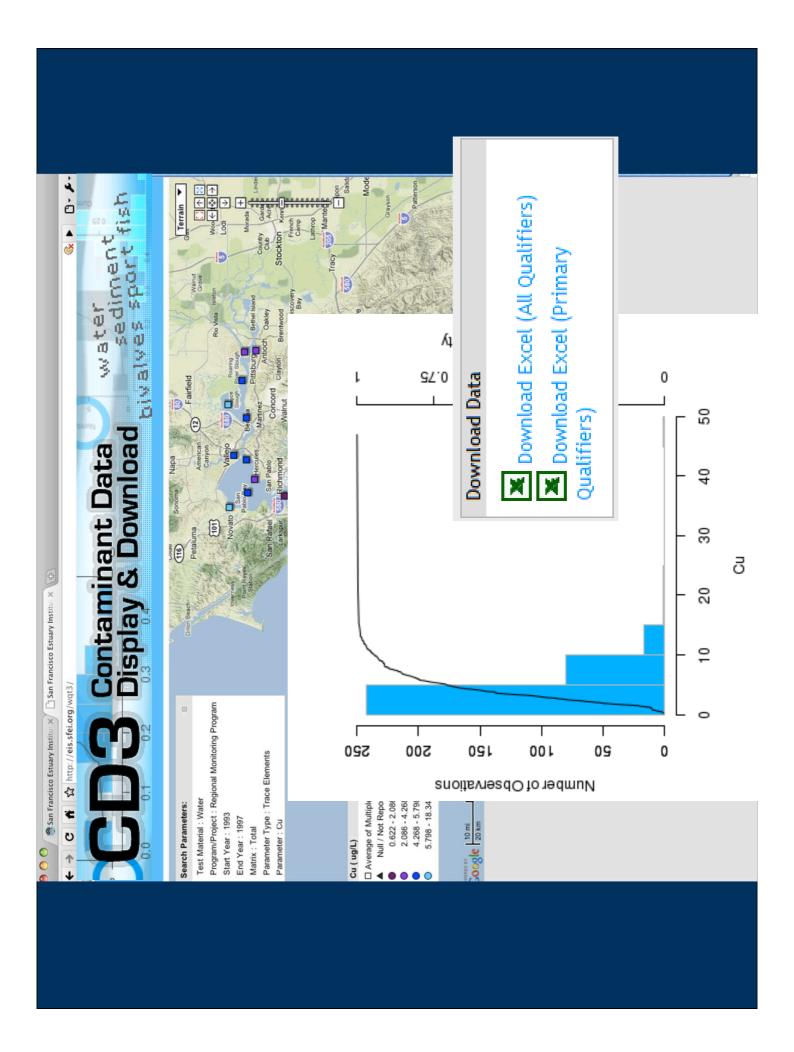
USGS Monthly Water Quality Data RMP Target Analyte List Sample Area Weights Changes to the RMP Reportable Analytes Web Query Tool

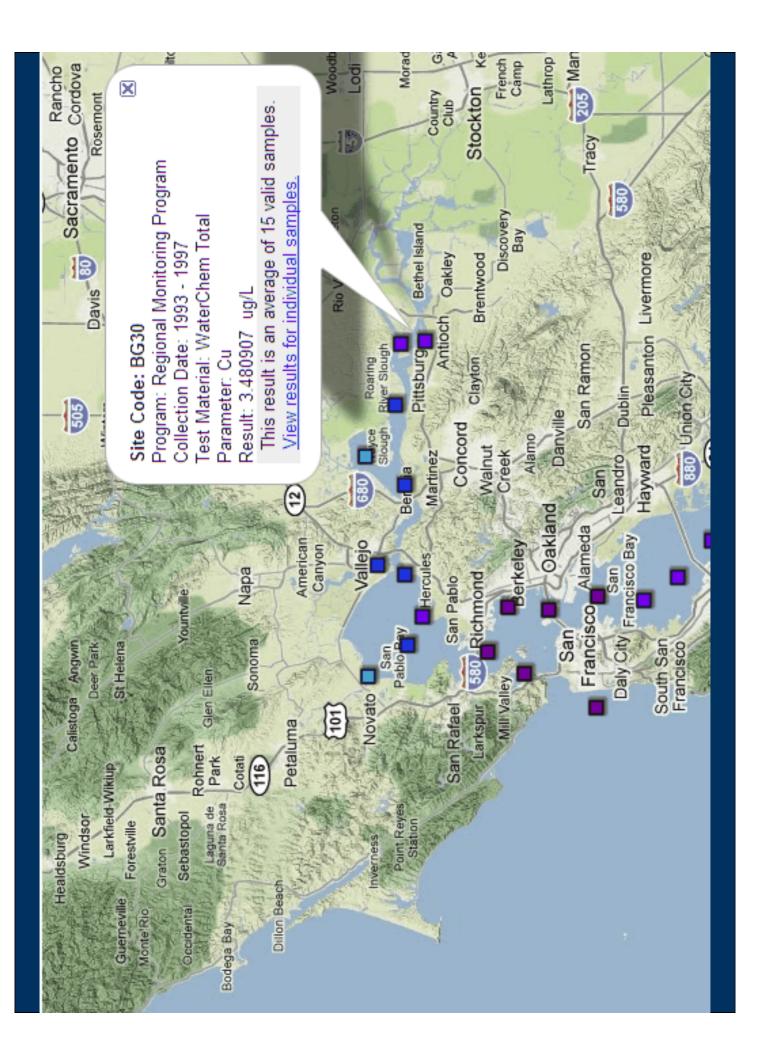
Copper Site Specific Objective

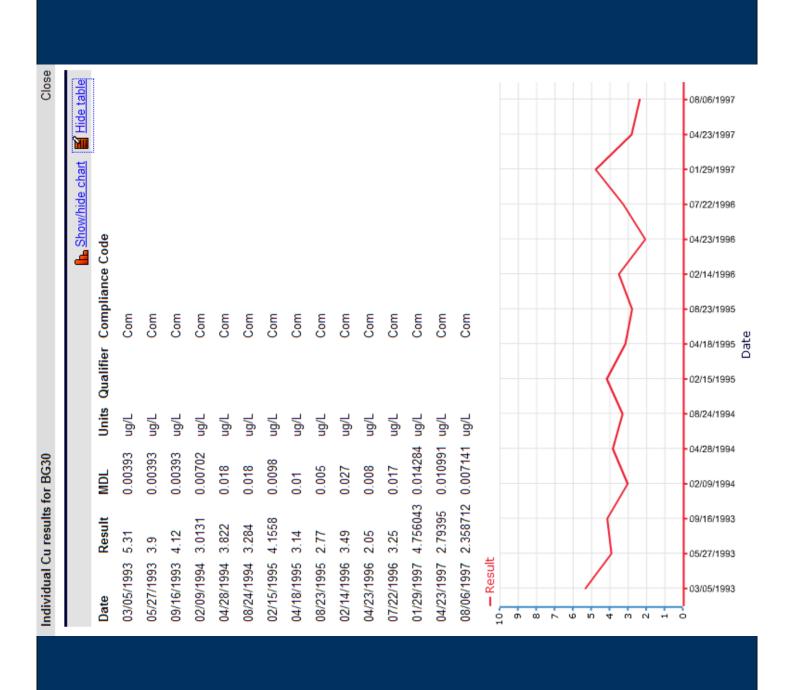
ó

3-vear Rolling Averages

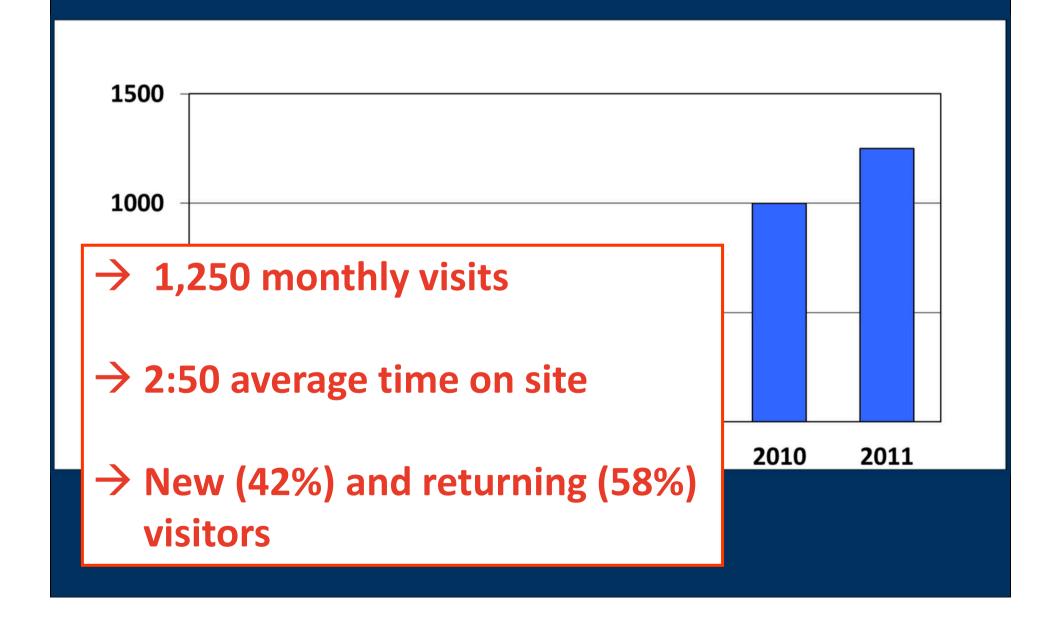
- Copper Site Specific Objective **Dredged Material Testing Thresholds for Sediment** 3-year Rolling Averages
- Annual Reports and Publications
- Annual Meetings







External Use of RMP Data



Web Stats: Google Analytics

- 1559 queries requested
- Majority for sediment and water
- Data for all years
- Trace elements, mercury



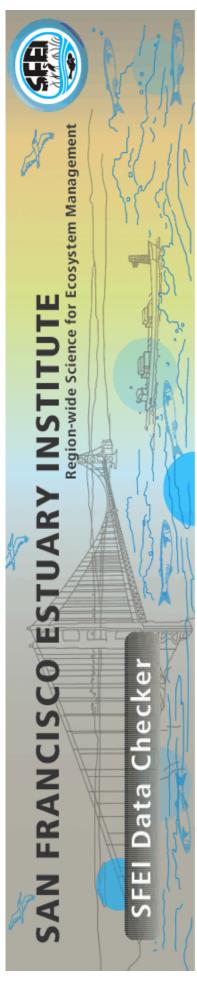
2011 Highlights

- Maintained SWAMP/CEDEN comparability
 - Enhanced data entry tools
 - Released data submittal tool
 - Replicate data weekly CEDEN





San Francisco Estuary Institute 7770 Pardee lane Oakland, CA, 94621-1424 Phone: 510-746-7334 Fax: 510-7	Estuary In ne 4621-142 ⁴ 34 Fax	Institute 424 Fax: 510-746-7300	-7300	Bill to	Bill to: San Francisco Estuary Institute 7770 Pardee lane Oakland, CA, 94621-1424 Phone: 510-746-7334 - Fax: 510-746-730	Estuar ine)4621-1 334 - Fa	y Institut 1424 x: 510-74	te 6-730	Shipped to: Ea	East Bay MUD Laboratory	aboratory	
Sampled by [Print Name(s)]/Affiliation	ıme(s)]/Affilia	Andrea .	SFEI / Kat Ridolfi	lidolfi			Analys	Analyses Requested	ssted	Project Name:		
Sampler(s) Signature(s)	(s)									Prop. 13	3 - 5031	
Sample ID No	Sam	Sampled	Grab or	Matrix	Number/Size/Type	PCBs HgT	ain size 63 µm					
Sample ID NO.	Date	Time	Composite	(see codes)	or containers					Ren	Remarks	
20080926SAG306 A	9/26/2008	10:45	9	SE	8							
20080911SKR305A	9/11/2008	13:30	9	SE	8							
20080911SAG304A	9/11/2008	13:45	ව	SE	8							
Shipm	Shipment Method				3	V	Total	Number of	Total Number of Containers			
Out / /	Via:			Relinquishe	Relinquished by / Affiliation		Date	Time	Accepted	Accepted by / Affiliation	Date	Time
	5							2			3	
MATRIX CODES: F	F = Freshwater	er S = Saline		SE = Sediment SW	SW = Surface Water PN	PW = Porewater	8	= Blanks	T = Toxicity	O = Other (spe		
PRESERVATIVE CODES:		Hvdrochlori	H = Hydrochloric acid + ice	I = Ice only	N = Nitric acid + ice	S = Sulfu	Sulfuric acid + ice	0	Other (specify)			
		fil		-		- 1)	11			



Welcome to the SFEI Data Checker. Please complete Steps 1-5 to check your file. After checking your file, you will be given an opportunity to submit your data.

1) SELECT A DATA CATEGORY:

Note: Only Chemistry is available at this time.

2) ENTER YOUR EMAIL ADDRESS:

3) SELECT YOUR AGENCY:

				itoring				
	AquaScience	AXYS Analytical Services Ltd.	E.S. Babcock & Sons, Inc.	Bay Area Dischargers' Association - Local Effects Mon	Basic Laboratory, Inc.	Battelle Marine Sciences Laboratory - MA	Battelle Marine Sciences Laboratory - WA	BC Laboratories, Inc.
•	AquaSci	AXYS	Babcock	BADA	BAL	Battelle-MA	Battelle-WA	BCL

test

4) ENTER YOUR EXCEL FILE TO UPLOAD (.XLS FORMAT ONLY):

Browse...

CLICK BUTTON TO BEGIN CHECKING:

Check file.

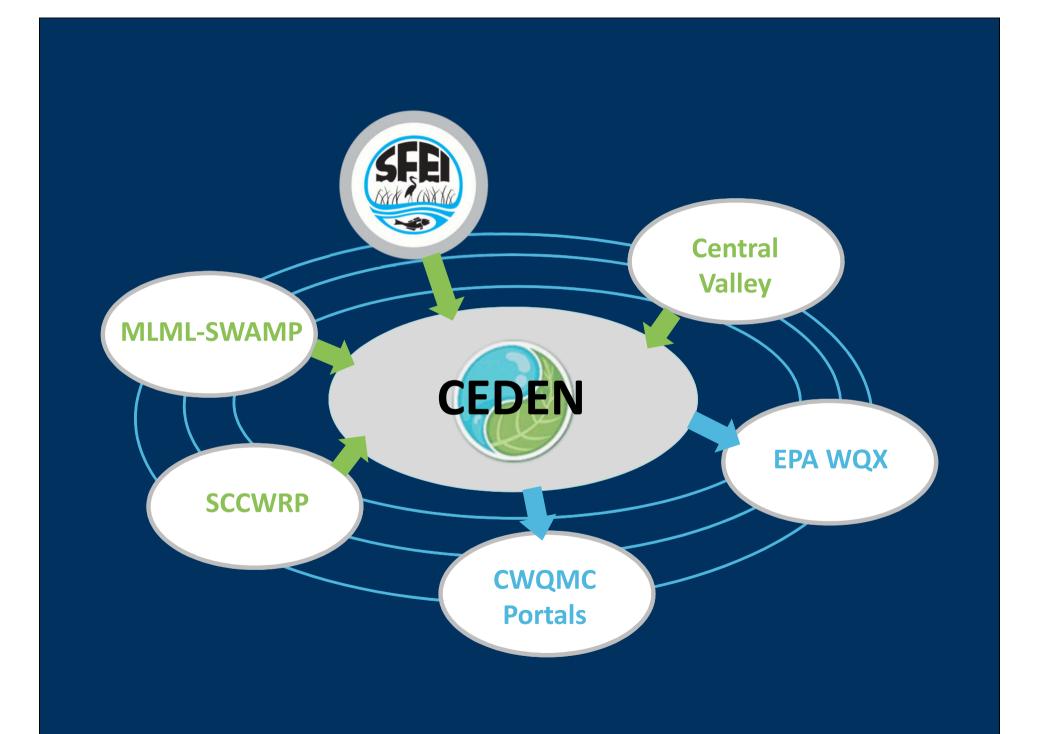
Help | LookUp Lists

Please note that new error checks and functionality are routinely added.

Summary of Errors found in Results Worksheet:



Error	Error Count
Could not find the native sample for this MS	1
Did not expect LabReplicate to be 2	10
Incorrect PreparationPreservationDate	1
Invalid LABQA SampleTypeCode	1
Missing QACode, a required field.	69
StationCode exceeded maximum size of 9.	1
StationCode not found in StationLookUp table.	1
Unit not found in UnitLookUp table.	77



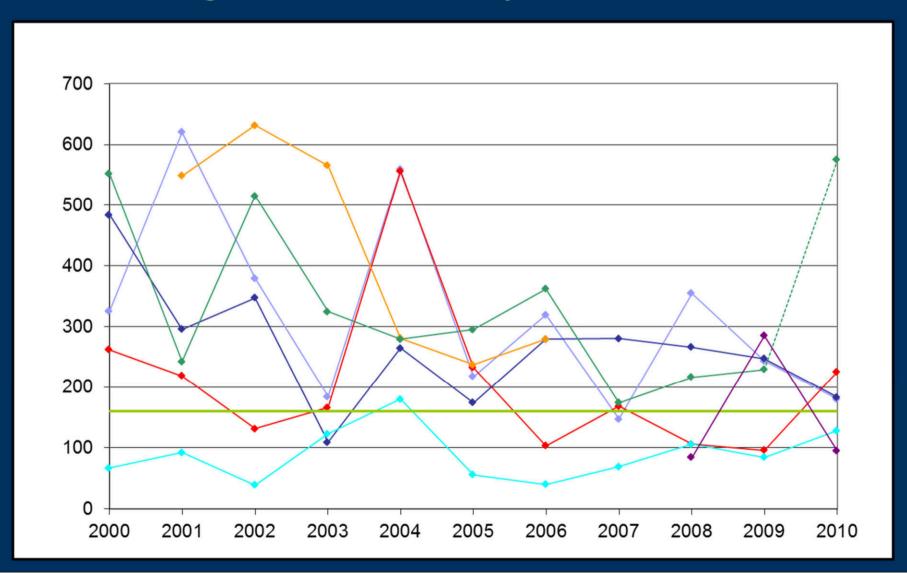
2012 Goals

• Report data within one year

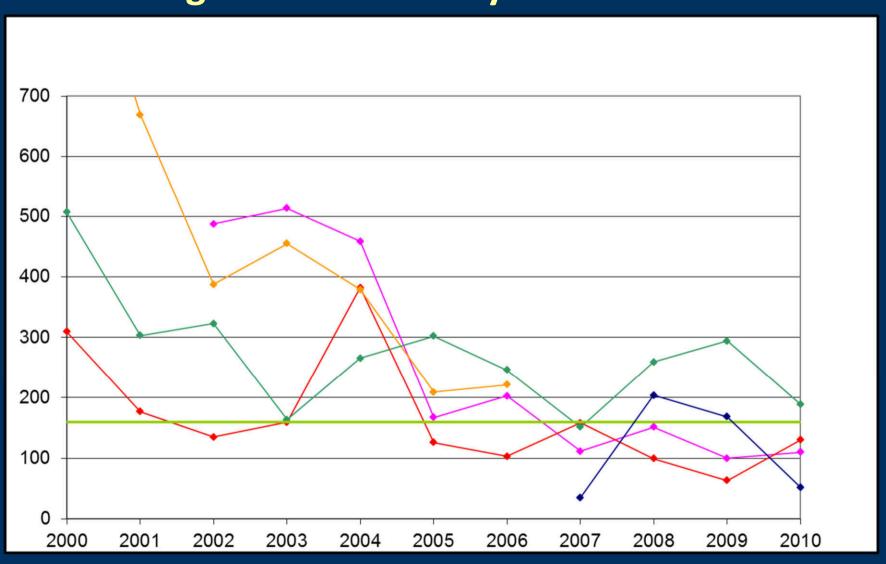




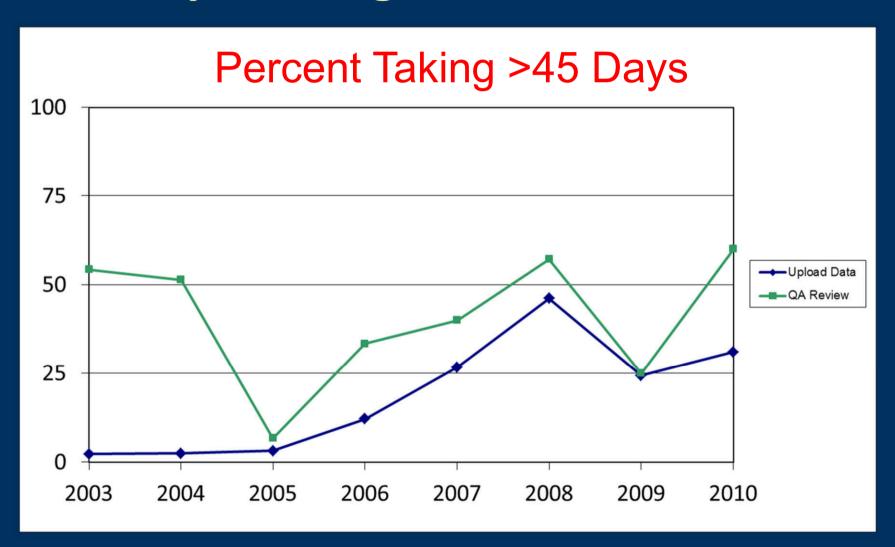
Timeliness of Data: Sediment Average Number of Days After Collection



Timeliness of Data: Water Average Number of Days After Collection



Internal Timeliness: Uploading & QA Review



2012 Goals

- Report data within one year
- Enhance web query tools
- Develop effluent metal loadings tool to calculate fees
- Coordinate San Francisco Bay's Regional Data Center





CALIFORNIA WATER QUALITY MONITORING COUNCIL

Home Safe to Drink Safe to Swim Safe to Eat Fish Ecosystem Health Stressors & Processes Contact Us

My Water Quality - hosted by the Surface Water Ambient Monitoring Program (SWAMP)

SCHWARZENEGGER



->> Cal/EPA

Visit his Website

- ->> The Resources Agency
- ->> About the California Water Quality Monitoring Council
- ->> State & Regional Water Boards
 - ->> Performance Report
- ->> Web Portal Partners
- -> Monitoring & Assessment Programs, Data Sources & Reports
- Water Quality Standards. Plans and Policies
- Regulatory Activities

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?



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 in





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>>



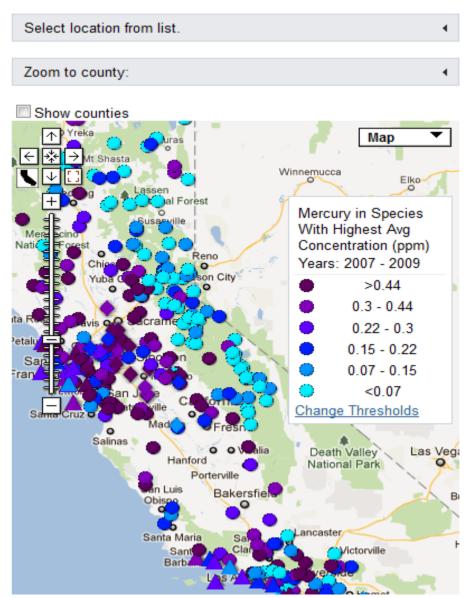
WHAT STRESSORS AND PROCESSES AFFECT OUR WATER QUALITY?

Beneficial uses of our waters are affected by emerging contaminants, invasive species, trash, global warming. acidification, pollutant loads, and flow. More>>

www.waterboards.ca.gov/mywaterquality

Safe To Eat Portal

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



Contaminant Data

This interactive map allows you to explore fish contaminant data and from other studies. Data from 2007-2009 are shown by defau

- ->> Select parameters of interest from the menus below and cl
- To view data for all species at your water body, trends, or c
- Enter your own threshold or modify thresholds displayed or
- Markers are general representations of sampling locations.
- Circles indicate lake and reservoir sampling locations. Trial

Select Species:	
Species With Highest A	wg Concentration 4
Select Contaminant:	
Mercury	•
Select Start Date:	
2007	4
Select End Date:	
2009	4
Go Reset	Download Map Data

