



2010 Integrated Report on Water Quality with Web-Based Interactive Map

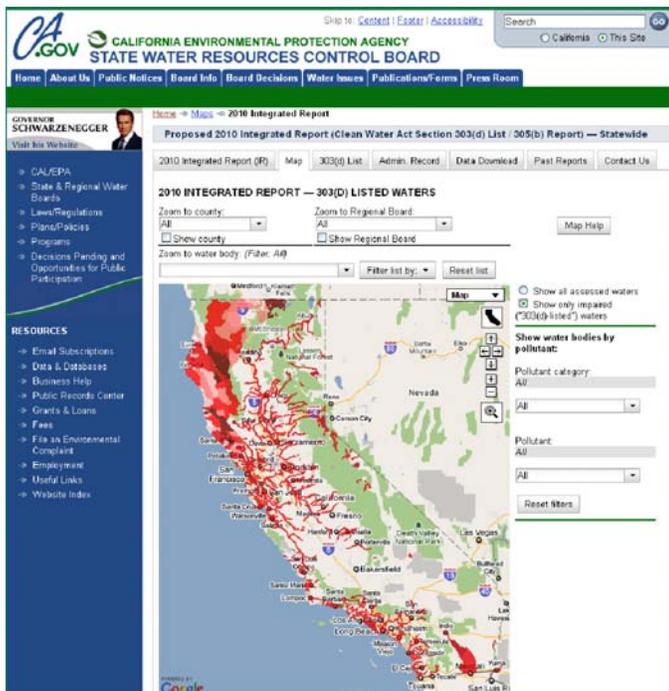
Contact: JON MARSHACK
E-mail: jmarshack@waterboards.ca.gov
Phone: 916.341.5514

APRIL | 2010

STATE WATER RESOURCES CONTROL BOARD | 1001 I Street, Sacramento, CA 95814 | Mailing Address: P.O. Box 100, Sacramento, CA 95812-0100 | www.waterboards.ca.gov

New Accessibility to Water Quality Assessment Data

On April 19, 2010 the Draft 2010 Integrated Report (Clean Water Act Section 303(d) List/305(b) Report) became available on a new State Water Board website that enables users to easily search and view water quality assessment information about specific water bodies in California.



Previous 303(d) lists and 305(b) reports have been posted online along with downloadable GIS files for use by the public that had GIS software capabilities.

The Waterboards have been working earnestly to improve upon the management of water quality data by making it more transparent, understandable, and accessible to the public. This new interactive map builds upon previous Water Board online maps, such as the online Sewer System Overflow (SSO) and My Water Quality Portal map and was developed and is maintained in-house, using existing IT hardware and software resources.

Map Displays Can Be Specialized

The map enables users to view assessed and impaired waters in a Region or county, or zoom to a specific water body. It also can do specialized displays of those waters assessed for a particular pollutant or pollutant category.

Click on a Water Body and See Detailed Water Quality Assessment Information

Each display shows the pollutant that has been assessed, the potential sources of the pollutant, the year the pollutant was listed, the estimated size of the assessed area, and the schedule for TMDL completion.

In addition, each pollutant's assessment is linked to a detailed report outlining the lines of evidence that support the recommendation to list or not list the pollutant. This report mirrors the data and information contained in the State Water Board's California Water Quality Assessment (CalWQA) database.

2010 INTEGRATED REPORT — 303(D) LISTED WATERS FOR MERCURY

Zoom to county: All | Zoom to Regional Board: All | Map Help

Zoom to water body: (Filter All) | Filter list by: | Reset list

Pollutant Listings for San Francisco Bay, Lower

Pollutant	Listing Decision	Details	Potential Sources	Schedule
Mercury	List on 303(d) list (being addressed by USEPA approved TMDL)	Current data indicate that consumption and aesthetic consumption impairment are: health consumption advisory is effect for multiple fish species including striped bass and salmon. Major source is historic gold mining operations and local mercury mining. Most significant ongoing source is erosion and discharge from abandoned mines, resulting in low-level inputs from point sources, water quality objective exceedances. Limited ambient levels and elevated tissue levels.	Atmospheric Deposition, Industrial Point Sources, Municipal Point Sources, Natural Sources, Nonpoint Source, Resource Character	USEPA TMDL approval: 2008
PCBs (Polychlorinated biphenyls)	List on 303(d) list (TMDL required list)	This listing covers non-volatile PCBs. Ambient levels advisory for fish in place.	Unknown Nonpoint Source	Est. TMDL completion: 2008
PCBs (Polychlorinated biphenyls) (Dioxin-like)	List on 303(d) list (TMDL required list)	The specific ambient data components are 3,4,4',5'-TCDF (91), 3,3',3',4'-TCDF (27), 3,3',4,4'-PcDF (126), 2,3,7,8-TCDF (127), 2,3,7,8-TCDF (128), 2,3,7,8-TCDF (129), 2,3,7,8-TCDF (130), 2,3,7,8-TCDF (131), 2,3,7,8-TCDF (132), 2,3,7,8-TCDF (133), 2,3,7,8-TCDF (134), 2,3,7,8-TCDF (135), 2,3,7,8-TCDF (136), 2,3,7,8-TCDF (137), 2,3,7,8-TCDF (138), 2,3,7,8-TCDF (139), 2,3,7,8-TCDF (140), 2,3,7,8-TCDF (141), 2,3,7,8-TCDF (142), 2,3,7,8-TCDF (143), 2,3,7,8-TCDF (144), 2,3,7,8-TCDF (145), 2,3,7,8-TCDF (146), 2,3,7,8-TCDF (147), 2,3,7,8-TCDF (148), 2,3,7,8-TCDF (149), 2,3,7,8-TCDF (150).	Unknown Nonpoint Source	Est. TMDL completion: 2008

Draft California 2010 Integrated Report (303(d) List/305(b) Report)

Supporting Information

Regional Board 1 - North Coast Region

Water Body Name: Trinity River HU, Upper HA, Trinity River, East Fork
Water Body ID: CAR1064003020021003231112
Water Body Type: River & Stream

DECISION ID: 6833
Trinity River HU, Upper HA, Trinity River, East Fork Region 1

Pollutant: Mercury
Final Listing Decision: List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision: List on 303(d) list (TMDL required list)(2006)

Revision Status: Original
Sources: Source Unknown
Expected TMDL Completion Date: 2019

Impairment from Pollutant or Pollution: Pollutant

Conclusion: This pollutant is being considered for placement on the section 303(d) list under section 3.5 of the Listing Policy. Two lines of evidence are available in the administrative record to assess this pollutant.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification in favor of placing this water segment-pollutant combination on the section 303 (d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:
 1. The data used satisfies the data quantity requirements of section 6.1.4 of the Policy.
 2. The data used satisfies the data quality requirements of section 6.1.5 of the Policy.
 3. Three of the 137 samples exceeded the CEHHA Screening Value and there is a fish consumption advisory in place in this water body for this pollutant.
 4. Pursuant to section 3.4 of the Listing Policy, water segment-specific data are available indicating the evaluation guideline for tissue is exceeded.

RWOCB Board Staff Recommendation: This is a decision made by the State Water Resources Control Board and approved by the USEPA in 2006. No new data were assessed by the Regional Board for 2008. The decision has not changed.

SWRCB Board Staff Recommendation: After review of this Regional Board decision, SWRCB staff recommend the decision be approved by the State Board.

Links Inside the Report Document Take You Directly to the Interactive Map

To help users orient themselves when reviewing the Integrated Report, each water body name is hyperlinked to the interactive map.

2010 Integrated Report Current Status

The State Water Board is currently considering adoption of the 2010 Integrated Report for submittal to US EPA for final approval.

The Proposed 2010 Integrated Report and Map can be found at:
www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2010.shtml

Clean Water Act Reporting

State and Regional Water Boards assess water quality monitoring data for California's surface waters every two years to determine if they contain pollutants at levels that exceed protective water quality standards. This biennial assessment is required under Section 303(d) and 305(b) of the federal Clean Water Act.

Generally, those water body and pollutants that exceed protective water quality standards, are placed on the State's 303(d) List. This determination is governed in California by the State Water Board's 303(d) Listing Policy. Ultimately, US EPA must approve the 303(d) List before it is considered final.

Placement of a water body and its offending pollutant on the 303(d) list, initiates the development of a Total Maximum Daily Load (TMDL). TMDLs may establish "daily load" limits of the pollutant, or in some cases require other regulatory measures, with the ultimate goal of reducing the amount of the pollutant entering the water body to meet water quality standards.