

## **Summary of the 2008 305(b) & 303(d) Integrated Report**

February 17, 2009

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### **What is the 2008 Integrated Report?**

The 2008 Integrated Report combines the Clean Water Act Section 305(b) Surface Water Quality Assessment and the Clean Water Act Section 303(d) List of Impaired Waters into one report.

#### **305(b) Water Quality Assessment Report:**

A biennial assessment of surface waters. The states submit their assessment to the US Environmental Protection Agency, which then compiles them into their "National Water Quality Inventory Report to Congress." The report includes both impaired and non-impaired waters.

#### **303(d) Impaired Waters List:**

A list identifying waterbodies not meeting water quality standards after the application of certain technology-based controls (i.e., primary and secondary treatment requirements). The list must include the pollutant(s) not being met and a priority ranking. In accordance with Clean Water Act Section 303(d), states review the List, make changes as necessary, and submit it to the USEPA. Placement of a waterbody on this list generally triggers development of a total maximum daily load (TMDL).

For 2008, the North Coast Regional Water Quality Control Board is responsible for developing and adopting the 2008 Integrated Report for waters within the North Coast Region of California. Following adoption by the North Coast Regional Water Board, the 2008 Integrated Report will be transmitted to the State Water Resources Control Board (State Water Board), where it will be compiled with the other eight Regional Water Board reports and considered by the State Water Board as a state-wide report. The State Board will then transmit the state-wide Integrated Report to the U.S. Environmental Protection Agency for their consideration and approval.

### **Brief History of the 2006 Update**

The current 305(b) Report and 303(d) List are separate documents. The 305(b) Report was finalized in 2006. The current 303(d) List is known as the 2006 303(d) List, although it was approved by the USEPA in June 2007 and last modified in May 2008. The State Water Board developed both the 305(b) Report and the 303(d) List for the 2006 update. The Regional Water Boards were not directly involved, although Regional Water Board staff did provide data and comments.

### **New for the 2008 Update**

There are several changes in the process for developing the Integrated Report for the 2008 update. First, California is integrating the 305(b) Report and the 303(d) List into a single report, as mentioned above. Second, the Regional Water Board is responsible for developing the Integrated Report before it is transmitted to the State Water Board. Third, a state-wide database

is being used to store all the data assessments and decisions made for each waterbody/pollutant pair. This allows for greater access by the public to all the data, staff's assessments, and staff's recommendations.

### **The Listing Policy**

In 2004, the State Water Board adopted the "Water Quality Control Policy for Developing California's Clean Water Act Section 303(d) List" (the Listing Policy). The 2008 Integrated Report is the first time the Regional Water Board has worked closely with this policy. The Policy gives specific listing and delisting rules (e.g., number of samples that need to exceed a standard in order to list a waterbody as impaired), but also allows for a listing recommendation to be based on the weight of evidence if it indicates impairment or non-impairment.

### **Staff Recommendations**

Regional Water Board staff analyzed data for approximately 550 waterbody/pollutant pairs. A waterbody/pollutant pair is an association between a waterbody and a particular pollutant, such as Santa Rosa Creek for sediment. Staff developed a Fact Sheet for each waterbody/pollutant pair. A Fact Sheet includes a Decision on whether or not to list, not list, delist, or not delist as impaired, plus at least one Line of Evidence which describes the details of the data assessment.

Based on staff's data analysis and applying the rules of the Listing Policy, staff recommend delisting 6 waterbody/pollutant pairs and listing 14 new waterbody/pollutant pairs as impaired for 2008. See the attached tables for a summary of staff recommendations.

All of the Draft Fact Sheets can be found online at:

[http://www.waterboards.ca.gov/northcoast/water\\_issues/programs/tmdls/303d/2008\\_integrated\\_report.shtml](http://www.waterboards.ca.gov/northcoast/water_issues/programs/tmdls/303d/2008_integrated_report.shtml)

### **Timeline**

Public Review Draft available .....	February 2, 2009
Public Workshops: Santa Rosa.....	February 17, 2009
Eureka .....	February 18, 2009
Yreka.....	February 19, 2009
Santa Rosa.....	March 12, 2009
Close 45-day Public Comment Period.....	March 20, 2009
Regional Board Hearing .....	June 4, 2009
State Board Hearing.....	late 2009
EPA approval .....	late 2009/early 2010

<b>DRAFT NEW DELISTINGS for the 2008 Integrated Report</b>		
<b>Waterbody Hydrologic Unit</b>	<b>Waterbody Name</b>	<b>Pollutant(s)</b>
Bodega HU	Doran Regional Park	Indicator Bacteria
Bodega HU	Salmon Creek Park (South)	Indicator Bacteria
Eel River HU	Middle Fork Eel River, Wilderness HSA & Black Butte River HSA	Sediment/Siltation
Eel River HU	North Fork Eel River, area of the watershed north of the Six Rivers National Forest boundary	Sediment/Siltation
Klamath River HU	Salmon River HA, Wooley Creek	Temperature, water
Russian River HU	Guerneville HSA, Pocket Canyon Creek	pH

<b>DRAFT NEW LISTINGS for the 2008 Integrated Report</b>		
<b>Waterbody Hydrologic Unit</b>	<b>Waterbody Name</b>	<b>Pollutant(s)</b>
Eel River HU	Lower Eel River HA, Eel River Delta	Dissolved Oxygen
Klamath River HU	Middle & Lower Klamath River HAs, Scott River to Trinity River Reach, mainstem Klamath River	Microcystin
Klamath River HU	Middle Klamath River HA, Iron Gate Dam to Scott River Reach, mainstem Klamath River	Microcystin
Klamath River HU	Middle & Lower Klamath River HAs, Scott River to Trinity River Reach, mainstem Klamath River from the confluence of O'Neil Creek to the confluence of Elk Creek, and the watersheds of Cade Ck, Caroline Ck, China Ck, Elk Ck, Fryingpan Ck, Fort Goff Ck, Grider Ck, Horse Ck, Indian Ck, Joe Miles Ck, O'Neil Ck, Portuguese Ck, Ranch Gulch, Schutts Gulch, Seiad Ck, Thompson Ck, Walker Ck, and Walker Gulch	Sediment
Klamath River HU	Middle Klamath River HA, Iron Gate Dam to Scott River Reach, mainstem Klamath River from the confluence of Beaver Ck to the confluence of the Salmon River, and the watersheds of Beaver Ck, Collins Ck, Cove Gulch, Doggett Ck, Dona Ck, Everill Ck, Horse Ck, Howard's Gulch, Kinsman Ck, Kohl Ck, Lime Gulch, Sambo Ck, and Smith Gulch	Sediment
Klamath River HU	Shasta River HA, Lake Shastina	Mercury
Mad River HU	Mad River	DDE
Mendocino Coast HU	Hare Creek Beach	Indicator Bacteria
Mendocino Coast HU	Pudding Creek Beach	Indicator Bacteria
Russian River HU	Geyserville HSA, Unnamed Tributary (Stream 1) at Fitch Mountain	Indicator Bacteria
Russian River HU	Green Valley Creek Watershed	Indicator Bacteria
Russian River HU	Green Valley Creek Watershed	Dissolved Oxygen
Russian River HU	Guerneville HSA	DDT
Russian River HU	Laguna de Santa Rosa	Indicator Bacteria

**DRAFT IMPAIRED WATERBODIES**  
**The 2008 303(d) List**

<b>Waterbody HU</b>	<b>Waterbody Name</b>	<b>Pollutant</b>
Bodega HU	Bodega Harbor HA	Exotic Species
	Campbell Cove	Indicator Bacteria
	Estero Americano	Sedimentation/Siltation
	Estero Americano & Americano Creek	Nutrients
	Stemple Creek & Estero de San Antonio	Nutrients Sediment
Cape Mendocino HU	Mattole River	Sedimentation/Siltation
		Temperature
Eel River HU	Lower Eel River HA, Eel River Delta	Dissolved Oxygen
		Sedimentation/Siltation
		Temperature
	Middle Fork Eel River HA, Eden Valley HSA & Round Valley HSA	Sedimentation/Siltation
		Temperature
	Middle Fork Eel River HA, Wilderness HSA & Black Butte River HSA	Temperature
		Sedimentation/Siltation
	Middle Main Eel River HA	Temperature
		Sedimentation/Siltation
	North Fork Eel River HA, Lower North Fork Eel River Watershed	Sedimentation/Siltation
		Temperature
	North Fork Eel River HA, Upper North Fork Eel River Watershed	Temperature
		Sedimentation/Siltation
	South Fork Eel River HA	Temperature
Sedimentation/Siltation		
Upper Main Eel River HA	Temperature	
	Mercury	
Van Duzen River HA	Sedimentation/Siltation	
	Temperature	
Eureka Plain HU	Elk River	Sedimentation/Siltation
	Freshwater Creek	Sedimentation/Siltation
	Humboldt Bay	Dioxin Toxic Equivalents
		PCBs
Jacoby Creek Watershed	Sediment	
Klamath River HU	Butte Valley HA	Nutrients
		Temperature
	Copco Lake (Reservoir 1 and 2)	Microcystin
	Iron Gate Reservoir	Microcystin
	Klamath Glen HSA	Nutrients
		Organic Enrichment / Low Dissolved Oxygen
Sedimentation/Siltation		
	Temperature	

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The 2008 303(d) List**

<b>Waterbody HU</b>	<b>Waterbody Name</b>	<b>Pollutant</b>
Klamath River HU	Middle Klamath River HA, Oregon to Iron Gate Reach	Nutrients
		Organic Enrichment / Low Dissolved Oxygen
		Temperature
	Middle Klamath River HA, Oregon to Iron Gate Reach, mainstem Klamath River from the beginning of Copco 1 Reservoir to Iron Gate Dam	Microcystin
	Middle Klamath River HA, Iron Gate Dam to Scott River Reach	Nutrients
		Organic Enrichment / Low Dissolved Oxygen
		Temperature
	Middle Klamath River HA, Iron Gate Dam to Scott River Reach, mainstem Klamath River	Microcystin
	Middle Klamath River HA, Iron Gate Dam to Scott River Reach, mainstem Klamath River from the confluence of Beaver Ck to the confluence of the Salmon River, and the watersheds of Beaver Ck, Collins Ck, Cove Gulch, Doggett Ck, Dona Ck, Everill Ck, Horse Ck, Howard's Gulch, Kinsman Ck, Kohl Ck, Lime Gulch, Sambo Ck, and Smith Gulch	Sediment
	Middle & Lower Klamath River HAs, Scott River to Trinity River Reach	Nutrients
		Organic Enrichment / Low Dissolved Oxygen
		Temperature
	Middle & Lower Klamath River HAs, Scott River to Trinity River Reach, mainstem Klamath River	Microcystin
	Middle & Lower Klamath River HAs, Scott River to Trinity River Reach, mainstem Klamath River from the confluence of O'Neil Ck to the confluence of Elk Ck, and the watersheds of Cade Ck, Caroline Ck, China Ck, Elk Ck, Fryingpan Ck, Fort Goff Ck, Grider Ck, Horse Ck, Indian Ck, Joe Miles Ck, O'Neil Ck, Portuguese Ck, Ranch Gulch, Schutts Gulch, Seiad Ck, Thompson Ck, Walker Ck, and Walker Gulch	Sediment
	Salmon River HA	Temperature
	Scott River HA	Sedimentation/Siltation
		Temperature
Shasta River HA	Organic Enrichment / Low Dissolved Oxygen	
	Temperature	
Shasta River HA, Lake Shastina	Mercury	
Tule Lake and Lower Klamath Lake National Wildlife Refuge	pH (high)	
Tule Lake HSA and Mt Dome HSA	Nutrients	

**DRAFT IMPAIRED WATERBODIES  
The 2008 303(d) List**

<b>Waterbody HU</b>	<b>Waterbody Name</b>	<b>Pollutant</b>
Mad River HU	Mad River	DDE
		Sedimentation/Siltation
		Temperature
		Turbidity
Mendocino Coast HU	Albion River	Sedimentation/Siltation
		Temperature
	Big River	Sedimentation/Siltation
		Temperature
	Campbell Cove	Indicator Bacteria
	Garcia River	Sediment
		Temperature
	Gualala River	Sedimentation/Siltation
	Gualala River, Entire Watershed except the Little N Fk Gualala R. Watershed	Temperature
	Hare Creek Beach	Indicator Bacteria
	Navarro River	Sedimentation/Siltation
		Temperature
	Navarro River, Delta	Sedimentation/Siltation
	Noyo River	Sedimentation/Siltation
Noyo River mainstem from confluence of Duffy Gulch downstream to confluence with Hayshed Gulch; South Fork Noyo River mainstem from confluence of Kass Creek downstream to confluence with Noyo River mainstem; and Little North Fork Noyo River, Duffy Gulch, and Kass Creek tributaries.	Temperature	
pudding Creek	Temperature	
pudding Creek Beach	Indicator Bacteria	
Ten Mile River HSA	Sedimentation/Siltation	
	Temperature	
Redwood Creek HU	Redwood Creek	Sedimentation/Siltation
		Temperature
Russian River HU	Austin Creek HSA	Sedimentation/Siltation
		Temperature
	Big Sulphur Creek HSA	Sedimentation/Siltation
		Specific Conductivity
		Temperature
	Coyote Valley HSA	Sedimentation/Siltation
		Temperature
	Coyote Valley HSA, Lake Mendocino	Mercury
	Forsythe Creek HSA	Sedimentation/Siltation
		Temperature

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<b>Waterbody HU</b>	<b>Waterbody Name</b>	<b>Pollutant</b>
Russian River HU	Geyserville HSA	Sedimentation/Siltation
		Temperature
	Geyserville HSA, Mainstem Russian River at Healdsburg Memorial Beach from the railroad bridge to the Hwy 101 bridge	Indicator Bacteria
	Geyserville HSA, Unnamed Tributary (Stream 1) at Fitch Mtn.	Indicator Bacteria
	Green Valley Creek Watershed	Dissolved Oxygen
		Indicator Bacteria
	Guerneville HSA	DDT
		Sedimentation/Siltation
		Temperature
	Guerneville HSA, Mainstem Russian River from Fife Creek to Dutch Bill Creek	Indicator Bacteria
	Laguna de Santa Rosa	Dissolved Oxygen
		Indicator Bacteria
		Mercury
		Nitrogen
		Phosphorus
		Sedimentation/Siltation
		Temperature
	Mark West Creek HSA	Sedimentation/Siltation
		Temperature
	Santa Rosa Creek	Indicator Bacteria
Sedimentation/Siltation		
Temperature		
Ukiah HSA	Sedimentation/Siltation	
	Temperature	
Warm Springs HSA	Sedimentation/Siltation	
	Temperature	
Warm Springs HSA, Lake Sonoma	Mercury	
Trinidad HU	Clam Beach	Indicator Bacteria
	Luffenholtz Beach	Indicator Bacteria
	Moonstone County Park	Indicator Bacteria
	Trinidad State Beach	Indicator Bacteria
Trinity River HU	East Fork Trinity River	Mercury
		Sedimentation/Siltation
	Lower Trinity River HA	Sedimentation/Siltation
	Middle Trinity River HA	Sedimentation/Siltation
	South Fork Trinity HA	Sedimentation/Siltation
		Temperature
Trinity Lake (was Claire Engle Lake)	Mercury	
Upper Trinity River HA	Sedimentation/Siltation	