

## 2010 Impaired Water Bodies & TMDL Status Summary - North Coast Region

(Updated 5/24/2012)

RWB = Action taken by or to be done by the North Coast regional Water Quality Control Board

EPA = Action taken by or to be done by the U.S. Environmental Protection Agency, Region IX

Water Body HU	Water Body Name	Pollutant	Not Yet Begun	TMDL In Progress	TMDL Established	Implementation Plan Completed
Bodega HU <sup>1</sup>	Bodega Harbor HA <sup>2</sup>	Exotic Species (crab)	RWB <sup>3</sup>			
	Campbell Cove	Indicator Bacteria	RWB			
	Estero Americano HA: Estuary	Sedimentation/Siltation	RWB			11/29/2004 <sup>4</sup> RWB
		Nutrients	RWB			
	Estero Americano HA: Americano Creek <sup>5</sup>	Nutrients	RWB			
	Estero de San Antonio HA: Stemple Creek & Estero de San Antonio	Sedimentation/Siltation				12/19/1997 RWB
Nutrients						
Cape Mendocino HU	Mattole River HA: Mattole River	Sedimentation/Siltation			12/30/2003 EPA <sup>6</sup>	11/29/2004 <sup>4</sup> RWB
		Temperature				
Eel River HU	Lower Eel River HA: mainstem Eel River	Aluminum	RWB			
	Lower Eel River HA	Dissolved Oxygen	RWB			
		Sedimentation/Siltation			12/2007 EPA	11/29/2004 <sup>4</sup> RWB
		Temperature				
	Middle Fork Eel River HA, Eden Valley HSA & Round Valley HSA <sup>7</sup> : mainstem Middle Fork Eel River	Aluminum	RWB			
	Middle Fork Eel River HA: Eden Valley HSA & Round Valley HSA	Sedimentation/Siltation			12/2003 EPA	11/29/2004 <sup>4</sup> RWB
		Temperature				
	Middle Fork Eel River HA: Wilderness HSA & Black Butte River HSA	Temperature				
	Middle Main Eel River HA: mainstem Eel River	Aluminum	RWB			
	Middle Main Eel River HA	Sedimentation/Siltation			12/2005 EPA	11/29/2004 <sup>4</sup> RWB
		Temperature				
	North Fork Eel River HA: Lower North Fork Eel River Watershed <sup>8</sup>	Sedimentation/Siltation			12/30/2002 EPA	11/29/2004 <sup>4</sup> RWB
		Temperature				
	North Fork Eel River HA: Upper North Fork Eel River Watershed <sup>8</sup>	Temperature				
	South Fork Eel River HA: mainstem South Fork Eel River	Aluminum	RWB			
	South Fork Eel River HA	Sedimentation/Siltation			12/16/1999 EPA	11/29/2004 <sup>4</sup> RWB
Temperature						
Upper Main Eel River HA	Sedimentation/Siltation			12/29/2004 EPA	11/29/2004 <sup>4</sup> RWB	
	Temperature					
Upper Main Eel River HA: Lake Pillsbury	Mercury		RWB			
Van Duzen River HA	Sedimentation/Siltation			12/16/1999 EPA	11/29/2004 <sup>4</sup> RWB	
Eureka Plain HU	Elk River <sup>9</sup>	Sedimentation/Siltation		RWB		11/29/2004 <sup>4</sup> RWB
	Freshwater Creek <sup>10</sup>	Sedimentation/Siltation		RWB		11/29/2004 <sup>4</sup> RWB
	Humboldt Bay	Dioxin Toxic Equivalents	RWB			
		PCBs	RWB			

Water Body HU	Water Body Name	Pollutant	Not Yet Begun	TMDL In Progress	TMDL Established	Implementation Plan Completed	
Eureka Plain HU	Jacoby Creek Watershed <sup>11</sup>	Sediment	RWB			11/29/2004 <sup>4</sup> RWB	
Klamath River HU	Butte Valley HA	Nutrients				12/28/2010 RWB	
		Temperature					
	Copco Lake (Reservoir 1 and 2)	Cyanobacteria Hepatotoxic Microcystins					
	Iron Gate Reservoir	Cyanobacteria Hepatotoxic Microcystins					
	Middle and Lower Klamath River HAs: mainstem Klamath River from the beginning of Copco 1 Reservoir to Trinity River	Cyanobacteria Hepatotoxic Microcystins			12/28/2010 RWB		
	Klamath River from Oregon to the Pacific (specifically the Middle Klamath HA: Oregon to Iron Gate reach & Iron Gate Dam to Scott River reach; Middle and Lower Klamath HA: Scott River to Trinity River reach; & the Lower Klamath HA: Klamath Glen HSA)	Nutrients					
		Organic Enrichment/ Low Dissolved Oxygen <sup>14</sup>					
		Temperature					
	Lost River HA: Tule Lake HSA & Mt. Dome HSA	Nutrients			12/30/2008 EPA		
	Lost River HA: Tule Lake & Lower Klamath Lake National Wildlife Refuge	pH (high)			12/30/2008 EPA		
	Middle Klamath River HA: Beaver Ck, Cow Ck, Deer Ck, Hungry Ck, & West Fork Beaver Ck	Sediment	RWB				11/29/2004 <sup>4</sup> RWB
	Middle and Lower Klamath HAs: China Ck, Fort Groff Ck, Grider Ck, Portuguese Ck, Thompson Ck, & Walker Ck	Sediment	RWB				11/29/2004 <sup>4</sup> RWB
	Lower Klamath HA: Klamath Glen HSA	Sedimentation/Siltation	RWB				11/29/2004 <sup>4</sup> RWB
	Salmon River HA	Temperature			3/29/2006 RWB		3/29/2006 RWB
	Scott River HA	Sedimentation/Siltation			9/8/2006 RWB		9/8/2006 RWB
		Temperature					
Shasta River HA	Organic Enrichment / Low Dissolved Oxygen			1/26/2007 RWB	1/26/2007 RWB		
	Temperature						
Shasta River HA: Lake Shastina	Mercury	RWB					
Mad River HU	Mad River HU: Mad River	Sedimentation/Siltation & Turbidity			12/21/2007 EPA	11/29/2004 <sup>4</sup> RWB	
		Temperature	RWB				
Mendocino Coast HU	Albion River HA: Albion River	Sedimentation/Siltation			12/20/2001 EPA	11/29/2004 <sup>4</sup> RWB	
		Temperature	RWB				
	Big River HA: Big River	Sedimentation/Siltation			12/20/2001 EPA	11/29/2004 <sup>4</sup> RWB	
		Temperature	RWB				
	Garcia River HA: Garcia River	Sediment			3/7/2002 EPA	1/3/2002 RWB	
		Temperature	RWB				
	Gualala River HA: Mainstem Gualala River	Aluminum	RWB				
	Gualala River HA: Gualala River	Sedimentation/Siltation			12/2001 EPA	11/29/2004 <sup>4</sup> RWB	
	Gualala River HA: Gualala River with the exception of the Little North Fork Gualala River	Temperature	RWB				
	Hare Creek Beach	Indicator Bacteria	RWB				
Navarro River HA	Sedimentation/Siltation			12/27/2000 EPA	11/29/2004 <sup>4</sup> RWB		
	Temperature						

Water Body HU	Water Body Name	Pollutant	Not Yet Begun	TMDL In Progress	TMDL Established	Implementation Plan Completed	
Mendocino Coast HU	Noyo River HA: Noyo River	Sedimentation/Siltation			12/16/1999 EPA	11/29/2004 <sup>4</sup> RWB	
	Noyo River HA: Noyo River (specifically the mainstem Noyo River from the confluence of Duffy Gulch downstream to the confluence of Hayshed Gulch, the South Fork Noyo River from the confluence of Kass Creek to the confluence with the mainstem Noyo, Little North Fork Noyo River, Duffy Gulch, and Kass Creek.	Temperature	RWB				
	Noyo River HA: Pudding Creek	Temperature	RWB				
	Pudding Creek Beach	Indicator Bacteria	RWB				
	Rockport HA: Ten Mile River HSA	Sedimentation/Siltation				12/2000 EPA	11/29/2004 <sup>4</sup> RWB
		Temperature	RWB				
Redwood Creek HU	Redwood Creek	Sedimentation/Siltation			12/30/1998 EPA	11/29/2004 <sup>4</sup> RWB	
		Temperature	RWB				
Russian River HU	Russian River Watershed (specifically Lower Russian River HA: Austin Creek HSA & Guerneville HSA (except Pocket Canyon Ck); Middle Russian River HA: Big Sulphur Creek HSA, Geyserville HSA, & Warms Springs HSA; Upper Russian River HA: Coyote Valley HSA, Forsythe Creek HSA, & Ukiah HSA)	Sedimentation/Siltation	RWB			11/29/2004 <sup>4</sup> RWB	
		Temperature	RWB				
	Lower Russian River HA, Guerneville HSA: Green Valley Creek Watershed	Dissolved Oxygen	RWB				
	Lower Russian River HA, Guerneville HSA: Green Valley Creek Watershed & mainstem Russian River from Fife Ck To Dutch Bill Ck	Indicator Bacteria		RWB			
	Middle Russian River HA: Geyserville HSA: Unnamed Tributary (Stream 1) at Fitch Mountain and mainstem Russian River at Healdsburg Memorial Beach from the railroad bridge to the Hwy 101 bridge	Indicator Bacteria					
	Middle Russian River HA: Big Sulphur Creek HSA	Specific Conductivity	RWB				
	Middle Russian River HA: Laguna de Santa Rosa HSA	Mercury <sup>12</sup>	RWB				
		Indicator Bacteria <sup>13</sup>		RWB	3/1/1995 RWB (for Dissolved Oxygen and Nitrogen)	11/29/2004 RWB (for Sediment/Siltation)	
		Dissolved Oxygen <sup>14</sup>					
		Nitrogen <sup>12</sup>					
		Phosphorus <sup>12</sup>					
		Sediment/Siltation					
		Temperature					
	Middle Russian River HA: Mark West Creek HSA <sup>15</sup>	Sediment/Siltation					
		Temperature					
Middle Russian River HA: Santa Rosa Creek HSA	Indicator Bacteria <sup>16</sup>						
	Sediment/Siltation						
	Temperature						
Middle Russian River HA, Warm Springs HSA: Lake Sonoma	Mercury		RWB				
Upper Russian River HA, Coyote Valley HSA: Lake Mendocino	Mercury						

Water Body HU	Water Body Name	Pollutant	Not Yet Begun	TMDL In Progress	TMDL Established	Implementation Plan Completed
Trinidad HU	Clam Beach	Indicator Bacteria	RWB			
	Luffenholtz Beach	Indicator Bacteria	RWB			
	Moonstone County Park [Beach]	Indicator Bacteria	RWB			
	Trinidad State Beach	Indicator Bacteria	RWB			
Trinity River HU	Lower Trinity HA, Middle HA, & Upper HA (including the East Fork Trinity River East)	Sedimentation/Siltation			12/20/2001 EPA	11/29/2004 <sup>4</sup> RWB
	South Fork HA	Sedimentation/Siltation			12/1998 EPA	11/29/2004 <sup>4</sup> RWB
		Temperature	RWB			
	Trinity Lake (was Claire Engle Lake)	Mercury	RWB			
	Upper HA: East Fork Trinity River <sup>17</sup>	Mercury	RWB			

**Table Notes**

<sup>1</sup> HU = Hydrologic Unit.

<sup>2</sup> HA = Hydrologic Area.

<sup>3</sup> RWB = Action taken by or to be done by the North Coast Regional Water Quality Control Board.

<sup>4</sup> Implementation plan completion dates of 11/29/2004 reflect the adoption of Resolution R1-2004-0087, which is the *Total Maximum Daily Load Implementation Policy Statement for Sediment-Impaired Receiving Waters in the North Coast Region*.

<sup>5</sup> Includes Calwater Super Planning Watersheds 115.30010 and 115.30011.

<sup>6</sup> EPA = Action taken by or to be done by the U.S. Environmental Protection Agency, Region IX.

<sup>7</sup> HSA = Hydrologic Sub-Area.

<sup>8</sup> The Upper North Fork Eel River watershed encompasses the area of the watershed from the boundary of the Six Rivers National Forest to the North (mostly USFS lands). The Lower North Fork Eel River Watershed encompasses the area of the watershed from the boundary of the Six Rivers National Forest to the South (mostly non-USFS lands).

<sup>9</sup> Includes Calwater Planning Watersheds: Upper North Fork Elk River, Lower North Fork Elk River, Upper South Fork Elk River, Lower South Fork Elk River, Lower Elk River, and Martin Slough.

<sup>10</sup> Includes Calwater Planning Watersheds: Upper Freshwater Creek, Little Freshwater Creek, Cloney Gulch, Ryan Slough, and Fay Slough.

<sup>11</sup> Includes Calwater Planning Watersheds: 110.00010 and 110.00013.

<sup>12</sup> Data used to list the Laguna de Santa Rosa HSA for mercury, nitrogen, and phosphorus were limited to the mainstem of the Laguna de Santa Rosa. Impairment of the entire HSA beyond the mainstem is not supported by the data. It is the intent of Regional Water Board staff to clarify the geographic extent of the impairment in the next listing cycle.

<sup>13</sup> Data used to list the Laguna de Santa Rosa HSA for indicator bacteria and data collected more recently support the listing of the mainstem Laguna de Santa Rosa. Impairment of the entire HSA is not supported by the data. It is the intent of Regional Water Board staff to clarify the geographic extent of the impairment in the next listing cycle.

<sup>14</sup> Data used to list the Laguna de Santa Rosa HSA for dissolved oxygen were limited to the mainstem of the Laguna de Santa Rosa and the mainstem of Colgan Creek. Impairment of the entire HSA beyond the mainstem is not supported by the data. It is the intent of Regional Water Board staff to clarify the geographic extent of the impairment in the next listing cycle.

<sup>15</sup> The mainstem of the Laguna de Santa Rosa from the confluence with Mark West Creek to the Russian River was erroneously left off of the current 2010 303(d) List for impairment by dissolved oxygen, nitrogen, and phosphorus. The 1995 *Waste Reduction Strategy for the Laguna de Santa Rosa* confirmed these impairments, as did data evaluated during the 2002 303(d) Listing cycle. Regional Water Board staff are currently working on a TMDL to address these, and other, impairments in the larger Laguna de Santa Rosa watershed. It is the intent of Regional Water Board staff to correct the omission of these pollutants from the 303(d) list in the next listing cycle.

<sup>16</sup> Data used to list the Santa Rosa Creek HSA for indicator bacteria were limited to the mainstem Santa Rosa Creek. Impairment of the entire HSA beyond the mainstem is not supported by the data. It is the intent of Regional Water Board staff to clarify the geographic extent of the impairment in the next listing cycle.

<sup>17</sup> Includes Calwater Planning Watersheds: Mumbo Creek (106.40030) and Blue Ridge (106.40040).