

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Albion River, Mendocino Coast HU, Albion River HA	11340013	Sedimentation/Siltation	Silviculture Logging Road Construction/Maintenance Nonpoint Source	High	77 Miles	2003
1	R	Americano Creek, Bodega HU, Estero Americano HA	11530012	Nutrients	Pasture Grazing-Riparian and/or Upland Range Grazing-Riparian Range Grazing-Upland Intensive Animal Feeding Operations Manure Lagoons Dairies	Low	38 Miles	
1	R	Big River, Mendocino Coast HU, Big River HA	11330043	Sedimentation/Siltation	Silviculture Logging Road Construction/Maintenance Road Construction Disturbed Sites (Land Develop.) Nonpoint Source	High	225 Miles	2003
				Temperature	Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Erosion/Siltation Nonpoint Source	Low	225 Miles	
1	R	Eel River Delta, Eel River HU, Lower Eel River HA	11111032	Sedimentation/Siltation	Range Grazing-Riparian and/or Upland Silviculture Nonpoint Source	Medium	426 Miles	
				Temperature	Removal of Riparian Vegetation Nonpoint Source	Medium	426 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Eel River, Middle Fork, Eel River HU, Middle Fork HA	11171045	Sedimentation/Siltation	Erosion/Siltation	Medium	1071 Miles	
				Temperature	Removal of Riparian Vegetation Nonpoint Source	Medium	1071 Miles	
1	R	Eel River, Middle Main Fork, Eel River HU, Middle Main HA	11141061	Sedimentation/Siltation	Range Grazing-Riparian Range Grazing-Upland Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Construction/Land Development Land Development Hydromodification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Erosion/Siltation	Medium	674 Miles	
				Temperature	Upstream Impoundment Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Erosion/Siltation	Medium	674 Miles	
1	R	Eel River, North Fork, Eel River HU, North Fork HA	11150065	Sedimentation/Siltation	Silviculture Logging Road Construction/Maintenance Erosion/Siltation Nonpoint Source	Medium	382 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Temperature	Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Nonpoint Source	Medium	382 Miles	
1	R	Eel River, South Fork, Eel River HU, South Fork HA	11131030	Sedimentation/Siltation	Range Grazing-Riparian and/or Upland Silviculture Logging Road Construction/Maintenance Resource Extraction Hydromodification Flow Regulation/Modification Removal of Riparian Vegetation Erosion/Siltation Nonpoint Source	Medium	943 Miles	
				Temperature	Hydromodification Flow Regulation/Modification Removal of Riparian Vegetation Erosion/Siltation Nonpoint Source	Medium	943 Miles	
1	R	Eel River, Upper Main HA (Includes Tomki Creek)	11163050	Sedimentation/Siltation	Agriculture-grazing Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Silvicultural Point Sources Construction/Land Development Highway/Road/Bridge Construction Removal of Riparian Vegetation Streambank Modification/Destabilization Erosion/Siltation	Medium	1141 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Temperature		Medium	1141 Miles	
					Channelization Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Nonpoint Source			
1	R	Elk River, Eureka Plain HU	11000042	Sedimentation/Siltation		High	88 Miles	2003
					Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Removal of Riparian Vegetation Streambank Modification/Destabilization Erosion/Siltation Natural Sources Nonpoint Source			
1	E	Estero Americano, Bodega HU, Estero Americano HA	11530012	Nutrients		Medium	199 Acres	
					Pasture Grazing-Riparian and/or Upland Manure Lagoons			
				Sedimentation/Siltation		Low	199 Acres	
					Range Grazing-Riparian Hydromodification Removal of Riparian Vegetation Streambank Modification/Destabilization Erosion/Siltation Nonpoint Source			
1	R	Freshwater Creek, Eureka Plain HU	11000050	Sedimentation/Siltation		High	84 Miles	2003
					Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Removal of Riparian Vegetation Streambank Modification/Destabilization Erosion/Siltation Natural Sources Nonpoint Source			

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Garcia River, Mendocino Coast HU	11370026	Temperature	Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Nonpoint Source	High	154 Miles	2002
1	R	Gualala River, Mendocino Coast HU, Gualala River HA	11385021	Sedimentation/Siltation	Specialty Crop Production Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Highway/Road/Bridge Construction Land Development Disturbed Sites (Land Develop.) Erosion/Siltation Nonpoint Source	High	455 Miles	2004
				Temperature	Removal of Riparian Vegetation Streambank Modification/Destabilization Channel Erosion Erosion/Siltation Nonpoint Source	Low	455 Miles	
1	B	Humboldt Bay, Eureka Plain HU	11000000	PCBs	Source Unknown	Low	16075 Acres	
				<i>This listing was made by USEPA.</i>				

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Jacoby Creek, Eureka Plain HU	11000013	Sediment	Silviculture Road Construction Land Development Disturbed Sites (Land Develop.) Urban Runoff/Storm Sewers Hydromodification Channelization Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Erosion/Siltation Sediment Resuspension Natural Sources Nonpoint Source	Low	19 Miles	
1	R	Klamath River, Klamath River HU, Butte Valley HA	10581023	Nutrients	Nonpoint Source	Medium	265 Miles	
				Temperature	Nonpoint Source	Medium	265 Miles	
1	R	Klamath River, Klamath River HU, Lost River HA, Clear Lake, Boles HSAs	10593011	Nutrients	Hydromodification Nonpoint Source	Medium	601 Miles	
				Temperature	Hydromodification Dam Construction Upstream Impoundment Flow Regulation/Modification Water Diversions Agricultural Water Diversion Nonpoint Source	Medium	601 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Klamath River, Klamath River HU, Lost River HA, Tule Lake and Mt Dome HSAs	10591063	Nutrients	Agriculture Specialty Crop Production Agriculture-subsurface drainage Agriculture-irrigation tailwater Agricultural Return Flows Water Diversions Agricultural Water Diversion Habitat Modification Removal of Riparian Vegetation Drainage/Filling Of Wetlands Natural Sources Nonpoint Source	Medium	612 Miles	
				Temperature	Hydromodification Channelization Flow Regulation/Modification Water Diversions Agricultural Water Diversion Habitat Modification Removal of Riparian Vegetation Drainage/Filling Of Wetlands Nonpoint Source	Medium	612 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Klamath River, Klamath River HU, Lower HA, Klamath Glen HSA	10511086	Nutrients	Industrial Point Sources Major Industrial Point Source Minor Industrial Point Source Municipal Point Sources Major Municipal Point Source-dry and/or wet weather discharge Minor Municipal Point Source-dry and/or wet weather discharge Agriculture Irrigated Crop Production Specialty Crop Production Pasture Grazing-Riparian and/or Upland Range Grazing-Riparian Intensive Animal Feeding Operations Agriculture-storm runoff Agriculture-subsurface drainage Agriculture-irrigation tailwater	Medium	609 Miles	
				Organic Enrichment/Low Dissolved Oxygen	Industrial Point Sources Municipal Point Sources Agriculture Irrigated Crop Production Specialty Crop Production Range Grazing-Riparian Agriculture-storm runoff Agriculture-subsurface drainage Agriculture-irrigation tailwater Agriculture-animal Upstream Impoundment Flow Regulation/Modification Out-of-state source	Medium	609 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Temperature	Hydromodification Dam Construction Upstream Impoundment Flow Regulation/Modification Water Diversions Habitat Modification Removal of Riparian Vegetation Channel Erosion	Medium	609 Miles	
1	R	Klamath River, Klamath River HU, Middle HA, Iron Gate Dam to Scott River	10535053	Nutrients	Out-of-state source Nonpoint/Point Source	Medium	548 Miles	
				Organic Enrichment/Low Dissolved Oxygen	Out-of-state source Nonpoint/Point Source	Medium	548 Miles	
				Temperature	Hydromodification Upstream Impoundment Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Nonpoint Source	Medium	548 Miles	
1	R	Klamath River, Klamath River HU, Middle HA, Oregon to Iron Gate	10537022	Nutrients	Industrial Point Sources Municipal Point Sources Agriculture Specialty Crop Production Agricultural Return Flows Internal Nutrient Cycling (primarily lakes) Natural Sources Nonpoint Source	Medium	129 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Organic Enrichment/Low Dissolved Oxygen	Industrial Point Sources Municipal Point Sources Agriculture Irrigated Crop Production Specialty Crop Production Range Grazing-Riparian and/or Upland Agriculture-storm runoff Agriculture-subsurface drainage Agriculture-irrigation tailwater Agriculture-animal Upstream Impoundment Flow Regulation/Modification Out-of-state source	Medium	129 Miles	
				Temperature	Hydromodification Upstream Impoundment Flow Regulation/Modification Nonpoint Source	Medium	129 Miles	
1	R	Klamath River, Klamath River HU, Middle HA, Scott River to Trinity River	10512050	Nutrients	Industrial Point Sources Municipal Point Sources Agriculture Agriculture-storm runoff Agriculture-irrigation tailwater Wastewater - land disposal Upstream Impoundment Natural Sources Nonpoint Source Out-of-state source	Medium	1389 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Organic Enrichment/Low Dissolved Oxygen		Medium	1389 Miles	
					Industrial Point Sources Municipal Point Sources Combined Sewer Overflow Agriculture Agriculture-storm runoff Agriculture-irrigation tailwater Upstream Impoundment Flow Regulation/Modification Out-of-state source			
				Temperature		Medium	1389 Miles	
					Hydromodification Channelization Dam Construction Upstream Impoundment Flow Regulation/Modification Water Diversions Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Natural Sources Nonpoint Source			
1	R	Klamath River, Klamath River HU, Salmon River HA	10521034	Nutrients		High	871 Miles	2004
				Temperature	Unknown Nonpoint Source	High	871 Miles	2004
					Removal of Riparian Vegetation Unknown Nonpoint Source			
1	R	Laguna de Santa Rosa, Russian River HU, Middle Russian River HA	11421020	Low Dissolved Oxygen		Low	96 Miles	
					Internal Nutrient Cycling (primarily lakes) Nonpoint Source Point Source			

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Nitrogen <i>This listing was made by USEPA.</i>	Internal Nutrient Cycling (primarily lakes) Nonpoint Source Point Source	Low	96 Miles	
				Phosphorus <i>This listing was made by USEPA.</i>	Internal Nutrient Cycling (primarily lakes) Nonpoint Source Point Source	Low	96 Miles	
				Sedimentation/Siltation <i>Entire Russian River watershed (including Laguna de Santa Rosa) is listed for sedimentation.</i>	Road Construction Land Development Disturbed Sites (Land Develop.) Urban Runoff/Storm Sewers Other Urban Runoff Highway/Road/Bridge Runoff Hydromodification Channelization Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Erosion/Siltation Erosion From Derelict Land Highway Maintenance and Runoff Nonpoint Source	Medium	96 Miles	
				Temperature <i>Entire Russian River watershed (including Laguna de Santa Rosa) is listed for temperature.</i>	Hydromodification Upstream Impoundment Removal of Riparian Vegetation Streambank Modification/Destabilization Nonpoint Source	Low	96 Miles	
1	L	Lake Pillsbury (Eel River HU, Upper Main HA, Lake Pillsbury HSA)	11163051	Mercury	Natural Sources	Low	1973 Acres	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Mad River, Mad River HU	10910011	Sedimentation/Siltation	Silviculture Resource Extraction Nonpoint Source	Low	654 Miles	
				Temperature	Upstream Impoundment Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Nonpoint Source Unknown Nonpoint Source	Low	654 Miles	
				Turbidity	Silviculture Resource Extraction Nonpoint Source	Low	654 Miles	
1	R	Mattole River, Cape Mendocino HU, Mattole River HA	11230072	Sedimentation/Siltation	Specialty Crop Production Range Grazing-Riparian and/or Upland Range Grazing-Riparian Silviculture Road Construction Hydromodification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Erosion/Siltation Natural Sources	High	503 Miles	2004
				Temperature	Range Grazing-Riparian and/or Upland Silviculture Road Construction Habitat Modification Removal of Riparian Vegetation Natural Sources Nonpoint Source	High	503 Miles	2004

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	L	Mendocino, Lake	11432060	Mercury	Resource Extraction Nonpoint Source	Low	1704 Acres	
1	E	Navarro River Delta, Mendocino Coast HU, Navarro River HA	11350077	Sedimentation/Siltation	Erosion/Siltation	High	48 Acres	2004
1	R	Navarro River, Mendocino Coast HU	11350077	Sedimentation/Siltation	Agriculture Nonirrigated Crop Production Irrigated Crop Production Specialty Crop Production Range Grazing-Riparian and/or Upland Range Grazing-Riparian Range Grazing-Upland Agriculture-grazing Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Silvicultural Point Sources Construction/Land Development Highway/Road/Bridge Construction Land Development Disturbed Sites (Land Develop.) Resource Extraction Flow Regulation/Modification Water Diversions Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Erosion/Siltation Nonpoint Source	High	415 Miles	2004

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Temperature	Agriculture Agricultural Return Flows Resource Extraction Flow Regulation/Modification Water Diversions Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Nonpoint Source	High	415 Miles	2004
1	R	Noyo River, Mendocino Coast HU, Noyo River HA	11320010	Sedimentation/Siltation	Silviculture Nonpoint Source	High	144 Miles	2003
1	R	Redwood Creek, Redwood Creek HU	10710020	Sedimentation/Siltation	Range Grazing-Riparian Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Construction/Land Development Disturbed Sites (Land Develop.) Removal of Riparian Vegetation Streambank Modification/Destabilization Erosion/Siltation Natural Sources	Medium	332 Miles	
				Temperature	Logging Road Construction/Maintenance Removal of Riparian Vegetation Streambank Modification/Destabilization Erosion/Siltation Natural Sources Nonpoint Source	Low	332 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Russian River, Russian River HU, Lower Russian River HA, Austin Creek HSA	11412013	Sedimentation/Siltation	Silviculture Construction/Land Development Disturbed Sites (Land Develop.) Dam Construction Flow Regulation/Modification Erosion/Siltation	Medium	81 Miles	
				Temperature	Hydromodification Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Nonpoint Source	Low	81 Miles	
1	R	Russian River, Russian River HU, Lower Russian River HA, Guerneville HSA	11411041	Pathogens	<i>Listing covers only the Monte Rio area of this watershed from the confluence of Dutch Bill Creek to the confluence of Fife Creek and Healdsburg Memorial Beach from the Hwy 101 crossing to the railroad crossing upstream of the Beach.</i> Nonpoint/Point Source	Low	195 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Sedimentation/Siltation	Agriculture Irrigated Crop Production Specialty Crop Production Agriculture-storm runoff Agriculture-grazing Silviculture Construction/Land Development Highway/Road/Bridge Construction Land Development Hydromodification Channelization Dam Construction Upstream Impoundment Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Erosion/Siltation	Medium	195 Miles	
				Temperature	Hydromodification Upstream Impoundment Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Nonpoint Source	Low	195 Miles	
1	R	Russian River, Russian River HU, Middle Russian River HA, Big Sulphur Creek HSA	11426023	Sedimentation/Siltation	Geothermal Development Erosion/Siltation Nonpoint Source	Medium	85 Miles	
				Temperature	Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Nonpoint Source	Low	85 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Russian River, Russian River HU, Middle Russian River HA, Dry Creek HSA	11424034	Sedimentation/Siltation	Agriculture Agriculture-storm runoff Silviculture Logging Road Construction/Maintenance Construction/Land Development Highway/Road/Bridge Construction Disturbed Sites (Land Develop.) Hydromodification Channelization Dam Construction Upstream Impoundment Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Erosion/Siltation Nonpoint Source	Medium	255 Miles	
				Temperature	Hydromodification Upstream Impoundment Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Nonpoint Source	Low	255 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Russian River, Russian River HU, Middle Russian River HA, Geyserville HSA	11425032	Sedimentation/Siltation	Agriculture Nonirrigated Crop Production Irrigated Crop Production Specialty Crop Production Range Grazing-Riparian Range Grazing-Upland Agriculture-storm runoff Agriculture-grazing Silviculture Construction/Land Development Geothermal Development Disturbed Sites (Land Develop.) Surface Runoff Resource Extraction Channelization Bridge Construction Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Erosion/Siltation Natural Sources Nonpoint Source	Medium	243 Miles	
				Temperature	Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Nonpoint Source	Low	243 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Russian River, Russian River HU, Middle Russian River HA, Mark West Creek HSA	11423021	Sedimentation/Siltation	Agriculture Irrigated Crop Production Specialty Crop Production Range Grazing-Riparian and/or Upland Range Grazing-Riparian Intensive Animal Feeding Operations Agriculture-storm runoff Agriculture-grazing Silviculture Harvesting, Restoration, Residue Management Construction/Land Development Highway/Road/Bridge Construction Land Development Disturbed Sites (Land Develop.) Other Urban Runoff Surface Runoff Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Erosion/Siltation	Medium	99 Miles	
				Temperature	Hydromodification Upstream Impoundment Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Nonpoint Source	Low	99 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Russian River, Russian River HU, Upper Russian River HA, Coyote Valley HSA	11432060	Sedimentation/Siltation	Agriculture Silviculture Construction/Land Development Hydromodification Channelization Dam Construction Flow Regulation/Modification Bridge Construction Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Erosion/Siltation	Medium	171 Miles	
				Temperature	Hydromodification Upstream Impoundment Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Nonpoint Source	Low	171 Miles	
1	R	Russian River, Russian River HU, Upper Russian River HA, Forsythe Creek HSA	11433040	Sedimentation/Siltation	Erosion/Siltation Nonpoint Source	Medium	122 Miles	
				Temperature	Hydromodification Upstream Impoundment Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Nonpoint Source	Low	122 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Russian River, Russian River HU, Upper Russian River HA, Ukiah HSA	11431071	Sedimentation/Siltation	Agriculture Silviculture Construction/Land Development Resource Extraction Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Erosion/Siltation Highway Maintenance and Runoff Natural Sources	Medium	460 Miles	
				Temperature	Hydromodification Upstream Impoundment Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Nonpoint Source	Low	460 Miles	
1	R	Santa Rosa Creek, Russian River HU, Middle Russian River HA	11422013	Pathogens	Nonpoint Source Point Source	Low	87 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION	
			Sedimentation/Siltation		Medium	87 Miles		
			<i>Entire Russian River watershed (including Santa Rosa Creek) is listed for sedimentation.</i>					
				Agriculture				
				Nonirrigated Crop Production				
				Irrigated Crop Production				
				Specialty Crop Production				
				Pasture Grazing-Riparian and/or Upland				
				Range Grazing-Riparian				
				Range Grazing-Upland				
				Dairies				
				Construction/Land Development				
				Highway/Road/Bridge Construction				
				Land Development				
				Urban Runoff/Storm Sewers				
				Urban Runoff--Non-industrial Permitted				
				Other Urban Runoff				
				Surface Runoff				
				Hydromodification				
				Channelization				
				Bridge Construction				
				Habitat Modification				
				Removal of Riparian Vegetation				
				Streambank Modification/Destabilization				
				Drainage/Filling Of Wetlands				
				Channel Erosion				
				Erosion/Siltation				
				Natural Sources				
				Nonpoint Source				
			Temperature		Low	87 Miles		
			<i>Entire Russian River watershed (including Santa Rosa Creek) is listed for temperature.</i>					
				Hydromodification				
				Upstream Impoundment				
				Removal of Riparian Vegetation				
				Streambank Modification/Destabilization				
				Nonpoint Source				

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Scott River, Klamath River HU, Scott River HA	10541035	Sedimentation/Siltation	Irrigated Crop Production Pasture Grazing-Riparian and/or Upland Silviculture Resource Extraction Mill Tailings Natural Sources Nonpoint Source	Medium	902 Miles	
				Temperature	Irrigated Crop Production Pasture Grazing-Riparian and/or Upland Agricultural Return Flows Silviculture Flow Regulation/Modification Water Diversions Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Other Nonpoint Source	Medium	902 Miles	
1	R	Shasta River, Klamath River HU, Shasta River HA	10550001	Organic Enrichment/Low Dissolved Oxygen	Minor Municipal Point Source-dry and/or wet weather discharge Agriculture-storm runoff Agriculture-irrigation tailwater Dairies Hydromodification Dam Construction Flow Regulation/Modification Habitat Modification	Medium	630 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Temperature		Medium	630 Miles	
					Agriculture-irrigation tailwater Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Drainage/Filling Of Wetlands			
1	L	Sonoma, Lake	11424030	Mercury		Low	2377 Acres	
					Resource Extraction Nonpoint Source			
1	R	Stemple Creek/Estero do San Antonio, Bodega HU, Estero de San Antonio HA	11540010	Nutrients		Medium	61 Miles	
				<i>This pollutant was relisted for this water body by USEPA in 1998.</i>				
					Agriculture Irrigated Crop Production Pasture Grazing-Riparian and/or Upland Range Grazing-Riparian Intensive Animal Feeding Operations Concentrated Animal Feeding Operations (permitted, point source) Agriculture-storm runoff Land Development Hydromodification Channelization Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Natural Sources			
				Sediment		Low	61 Miles	
					Agriculture Grazing-Related Sources Land Development Erosion/Siltation Nonpoint Source			

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Ten Mile River, Mendocino Coast HU, Rockport HA, Ten Mile River HSA	11313045	Sedimentation/Siltation	Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance	High	162 Miles	2003
				Temperature	Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Nonpoint Source	Low	162 Miles	
1	R	Trinity River, East Fork, Trinity River HU, Upper HA	10640030	Sedimentation/Siltation	Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Resource Extraction Surface Mining Placer Mining Mine Tailings Hydromodification Dam Construction Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Channel Erosion Erosion/Siltation Natural Sources Nonpoint Source	Medium	92 Miles	
1	R	Trinity River, South Fork, Trinity River HU, South Fork HA	10621035	Sedimentation/Siltation	Range Grazing-Riparian Silviculture Nonpoint Source	Medium	1161 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Temperature		Low	1161 Miles	
					Range Grazing-Riparian Water Diversions Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization			
1	R	Trinity River, Trinity River HU, Lower Trinity HA	10611034					
				Sedimentation/Siltation		Medium	1256 Miles	
					Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Silvicultural Point Sources Resource Extraction Surface Mining Mine Tailings Hydromodification Dam Construction Upstream Impoundment Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Erosion/Siltation Natural Sources			

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Trinity River, Trinity River HU, Middle HA	10631021	Sedimentation/Siltation	Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Silvicultural Point Sources Resource Extraction Placer Mining Mine Tailings Hydromodification Dam Construction Upstream Impoundment Flow Regulation/Modification Streambank Modification/Destabilization Channel Erosion Erosion/Siltation	Medium	331 Miles	
1	R	Trinity River, Trinity River HU, Upper HA	10640003	Sedimentation/Siltation	Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Resource Extraction Surface Mining Placer Mining Mine Tailings Hydromodification Dam Construction Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Channel Erosion Erosion/Siltation Natural Sources Nonpoint Source	Medium	570 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

*Approved by USEPA:
July 2003*

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	L	Tule Lake and Lower Klamath Lake National Wildlife Refuge (Klamath River HU)	10591020	pH (high)	Internal Nutrient Cycling (primarily lakes) Nonpoint Source	Low	26998 Acres	
1	R	Van Duzen River, Eel River HU, Van Duzen River HA	11121012	Sedimentation/Siltation	Range Grazing-Riparian Range Grazing-Upland Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Silvicultural Point Sources Construction/Land Development Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Channel Erosion Erosion/Siltation Natural Sources	Medium	585 Miles	

2002 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENT

Approved by USEPA:
July 2003

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	TMDL PRIORITY	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
-------------	------	--------------------	--------------------	-------------------	---------------	-------------------------	--------------------------

ABBREVIATIONS

REGIONAL WATER QUALITY CONTROL BOARDS

- 1 North Coast
- 2 San Francisco Bay
- 3 Central Coast
- 4 Los Angeles
- 5 Central Valley
- 6 Lahontan
- 7 Colorado River Basin
- 8 Santa Ana
- 9 San Diego

WATER BODY TYPE

- B = Bays and Harbors
- C = Coastal Shorelines/Beaches
- E = Estuaries
- L = Lakes/Reservoirs
- R = Rivers and Streams
- S = Saline Lakes
- T = Wetlands, Tidal
- W = Wetlands, Freshwater

CALWATER WATERSHED

"Calwater Watershed" is the State Water Resources Control Board hydrological subunit area or an even smaller area delineation.

GROUP A PESTICIDES OR CHEM A

aldrin, dieldrin, chlordane, endrin, heptachlor, heptachlor epoxide, hexachlorocyclohexane (including lindane), endosulfan, and toxaphene