California Regional Water Quality Control Board
North Coast Region

Resolution No. R1-2014-0043

Approving the 303(d) List Portion of the North Coast Region's 2012 Integrated Report for the Clean Water Act Section 305(b) Assessment of Surface Water Quality and Clean Water Act Section 303(d) List of Water Quality Limited Segments

WHEREAS, the California Regional Water Quality Control Board, North Coast Region (Regional Water Board), finds that:

Regarding the Integrated Report Process:

1. Section 305(b) of the federal Clean Water Act (CWA) requires the State of California to prepare a biennial update assessing the surface waters within the state.

2. Section 303(d) of the CWA and section 130.7 of Title 40 Code of Federal Regulations (40 CFR) requires the states to develop and submit for approval to the U.S. Environmental Protection Agency (USEPA) a list of surface water bodies for which water quality standards are not attained, or are not expected to be attained, with the implementation of technology-based controls. This list is commonly referred to as the "303(d) List" or the "List of Impaired Waters," and identifies pollutant-impaired waters.

3. The 2012 Integrated Report combines the CWA Section 305(b) Surface Water Quality Assessment and the Section 303(d) List of pollutant-impaired waters into one report.

4. The Regional Water Board's 303(d) List was last updated in 2010, approved by the State Water Resources Control Board (State Water Board) that same year, and approved by the USEPA in 2011.

5. The *Water Quality Control Policy for Developing California's Clean Water Act Section 303(d) List* (Listing Policy) requires that the Regional Water Board consider and approve each proposed modification to the 2010 303(d) List for the North Coast Region.

6. Following Regional Water Board approval, the State Water Board shall consider approval of the 2012 Section 303(d) List. Following State Water Board approval, the 2012 Section 303(d) List shall be submitted to the USEPA for their consideration and approval as required by the Clean Water Act.

7. On January 14, 2010, Regional Water Board staff circulated a *Notice of Public Solicitation of Water Quality Data and Information for the 2012 Integrated Report* to interested persons. A deadline of June 30, 2010, which was later extended to August 30, 2010, was specified for submittal of surface water quality data and information to State Water Board and Regional Water Board staff for consideration.

8. Water Board staff considered all readily available data and information to assess surface water quality conditions and prepared fact sheets supporting recommendations for additions, deletions, and changes to the 2010 303(d) List in accordance with the Listing Policy.

9. Regional Water Board staff provided advanced notice and opportunity for public comment on the draft recommendations during a 36-day public comment period commencing on March 14, 2014, and ending on April 18, 2014.

10. Regional Water Board staff held Public Workshops on April 8, 2014, in Santa Rosa, CA and April 9, 2014, in Redding, CA to receive comments on the draft recommendations.

11. Regional Water Board staff responded in writing to the oral and written comments received during the public comment period and revised staff's recommendations for additions, deletions, and changes to the 2010 303(d) List, the supporting 2012 Integrated Report, and water body fact sheets as appropriate.

12. On August 14, 2014, the Regional Water Board held a public hearing to consider adoption of the 2012 303(d) List for the North Coast Region and consider all testimony and comments, both oral and written, regarding the 2012 303(d) List for the North Coast Region.

13. The 2012 303(d) List for the North Coast Region, which includes proposed additions, deletions, and changes to the 2010 303(d) List, is reflected in Table 1 attached to this Resolution, and in the Staff Report.

Regarding the Onsite Wastewater Treatment Systems Policy:

14. On June 19, 2012, the State Water Board adopted the *Water Quality Control Policy for Siting, Design, Operation, and Maintenance of Onsite Wastewater Treatment Systems* (OWTS Policy) via Resolution No. 2012-0032. The OWTS Policy went into effect on May 13, 2013. The OWTS Policy establishes a statewide, risk-based, tiered approach for the regulation and management of OWTS installations and replacements and sets the level of performance and protection expected from OWTS.

15. Tier 3 of the OWTS Policy applies to existing, new, and replacement OWTS that are near water bodies that have been listed as impaired by indicator bacteria (referred to as "pathogens" in the OWTS Policy) or nitrogen. If a TMDL and implementation plan has not been established and Local Agency Management Program special provisions do not exist for these water bodies, new or replacement OWTS within 600 feet of those impaired water bodies listed in Attachment 2 of the OWTS Policy must meet the requirements of Tier 3.

16. Attachment 2 of the OWTS Policy identifies those indicator bacteria and nitrogen impaired water bodies where: (1) it is likely that operating OWTS will subsequently be determined to be a contributing source of indicator bacteria or nitrogen and therefore it is anticipated that OWTS would receive a load allocation in a TMDL, and

(2) it is likely that new OWTS installations discharging within 600 feet of the water body would contribute to the impairment. Per the OWTS Policy (Tier 3, Section 10) the Regional Water Boards must adopt TMDLs by the dates specified in Attachment 2.

17. The OWTS Policy directs State and Regional Water Boards to identify those indicator bacteria and nitrogen impaired water bodies that are to be added or removed from Attachment 2 at the time of approving the 303(d) List.

18. For the 2012 303(d) List, it is not appropriate to add any North Coast water bodies to Attachment 2 of the OWTS Policy as it cannot be determined if OWTS are contributing to the indicator bacteria impairments for newly listed water bodies and there are no new nitrogen impairments being added to the 303(d) List.

19. It is appropriate to remove the Pacific Ocean at Luffenholtz Beach, Moonstone County Park, and Trinidad State Beach from Attachment 2 of the OWTS Policy as data indicate these water bodies are meeting bacterial water quality standards.

20. It is appropriate to remove the mainstem Laguna de Santa Rosa from Attachment 2 of the OWTS Policy as data indicate this water body is meeting nitrogen water quality standards.

Regarding Surface Water Flows:

21. The State Water Board and Regional Water Board received requests to consider identifying the Eel River, Gualala River, Mattole River, Navarro River, Maacama Creek, Mark West Creek, Redwood Creek (tributary to the Russian River), Scott River, and Shasta River as impaired due to reduced or altered instream, surface water flows.

22. Surface water flows affect water quality. Reduced flows can cause or contribute to impaired water quality conditions, such as elevated water temperatures, increased pollutant concentrations, degraded recreational opportunities, and reduced habitat area and/or volumes.

23. Surface water diversions decrease the volume of water in the stream, and thereby alter a stream's response to heat inputs and reduce the capacity of water bodies to assimilate pollutants.

24. The State Water Board's Division of Water Rights (Division of Water Rights) issues water right permits for the diversion of surface waters and Regional Water Board staff often work with Division of Water Rights staff to ensure Basin Plan requirements are reflected in water right permits and other water right orders. Both the *Policy for Maintaining Instream Flows in Northern California Coastal Streams* (May 4, 2010) and the *Policy for Implementation of the Water Quality Objectives for Temperature* (adopted by the Regional Water Board March 13, 2014) specifically call for involvement by the Regional Water Board to help ensure adequate consideration of water quality concerns in water right actions. The Division of Water Rights also issues 401 water quality certifications for projects

requiring a Federal Energy Regulatory Commission (FERC) license. Regional Water Board staff provide recommendations and identify water quality conditions that are necessary to ensure that the activity will comply with water quality standards.

25. The Regional Water Board's planning jurisdiction is broader than its permitting jurisdiction. Although the Regional Water Board does not have the authority to determine the water rights of any entity, the Regional Water Board does have the authority to establish flow objectives for the amount of stream flows that must be left in a stream for the support of beneficial uses.

26. Instream flow studies are sometimes necessary to determine the dynamics of hydrologic systems, including the sources and losses of water, and to understand the amount and distribution of water necessary to support beneficial uses.

27. The Regional Water Board has the authority to condition waste discharge requirements to require sustainable water resources management, the use of recycled water, and water conservation, (see resolution SWRCB-2008-0030).

28. The Regional Water Board has addressed instream conditions which result in flow alteration (upstream impoundments / hydromodification) in its TMDL process as a source contributing to the impairment for a pollutant, such as temperature (heat). Currently, the Listing Policy provides no direction for distinguishing whether flow alteration is a factor contributing to impairment versus the sole source of impairment. Identifying water bodies as impaired by altered flow could be useful if the State Water Board intended to use its water rights authority to address these impairments, however, such identifications should not be construed in any way that would prevent or delay ongoing efforts to address poor water quality conditions resulting from altered (low) flows by the State or Regional Water Board.

THEREFORE, be it resolved that:

Regarding the Integrated Report Process:

1. The Regional Water Board approves the 2012 303(d) List for the North Coast Region, which includes each addition, deletion, and modification to the 2010 303(d) List as documented in the attached Table 1 and Staff Report.

2. The Regional Water Board acknowledges the completion of the 2012 Integrated Report for the North Coast Region.

3. The Regional Water Board directs the Executive Officer to transmit the 2012 303(d) List for the North Coast Region, 2012 Integrated Report, and administrative record to the State Water Board for its consideration and approval.

4. If, during the approval process, the State Water Board or USEPA determines that minor, non-substantive corrections are needed for clarity or consistency, the Executive Officer may make such changes, and shall inform the Regional Water Board of any such changes.

Regarding the Onsite Wastewater Treatment System Policy:

5. The Regional Water Board directs the Executive Officer to submit a written request to the State Water Board's Executive Director requesting the removal of the Pacific Ocean at Luffenholtz Beach, Moonstone County Park, and Trinidad State Beach, plus the removal of the mainstem Laguna de Santa Rosa from Attachment 2 of the OWTS Policy, as these water bodies are attaining indicator bacteria and nitrogen water quality standards.

Regarding Surface Water Flows:

6. The Regional Water Board encourages staff to work with State Water Board and other Regional Water Board staff to develop guidance for evaluation of water quality impairments related to reduced flow and guidance for evaluating flow conditions as the cause of a water body impairment.

7. The Regional Water Board directs staff to continue to implement TMDL actions that address low flow conditions that contribute to temperature impairment, as described in the *Policy for Implementation of the Water Quality Objectives for Temperature.*

8. The Regional Water Board directs staff to make use of the processes available for interacting with the State Water Board's Division of Water Rights in all official capacities the Regional Water Board's authority provides.

9. The Regional Water Board directs staff to continue to coordinate with the State Water Board's Division of Water Rights by participating in the water right application and petition process, providing monitoring recommendations, participating in joint compliance inspections, submitting of data in support of 401 certifications related to water diversions and/or facilities regulated by the FERC, participating in instream flow studies, and any other appropriate actions to help ensure that the terms of water right permits and licenses are consistent with the intrastate Water Quality Objective for Temperature.

10. The Regional Water Board directs staff to coordinate with the Division of Water Rights on the development of instream flow studies. Instream flow studies are sometimes necessary to determine the dynamics of hydrologic systems, including the sources and losses of water, and to understand the amount and distribution of water necessary to support beneficial uses.

11. The Regional Water Board directs staff to coordinate with the Division of Water Rights on the development of flow objectives or other flow criteria, as appropriate. The development of flow objectives or flow criteria may be appropriate in cases where the instream flow requirements for support of beneficial uses are defined. For instance, a watershed hydrology objective that describes narrative goals for the timing, quantity, and distribution of water could be incorporated into the Basin Plan, as could a numeric flow objective for a particular water body where specific flow related thresholds are understood.

12. The Regional Water Board directs staff to continue to condition waste discharge requirements to require sustainable water resources management, and promote the use of recycled water and water conservation, consistent with Resolution SWRCB-2008-0030.

13. The Regional Water Board encourages the State Water Board to implement water rights actions that achieve flows supportive of beneficial uses. Should the State Water Board choose to create a list of water bodies impaired due to low-flow conditions, it should clarify that such a list shall not be construed to prevent or delay any ongoing and/or future actions by the State or Regional Water Boards to address poor water quality due to flow conditions.

14. The Regional Water Board directs staff to host a workshop on the region's authorities over water quality and water quantity. The workshop should include the Regional Water Board and its staff, the State Water Board and its staff from the Division of Water Quality and Division of Water Rights, and other agencies, organizations, and interested parties as appropriate.

15. The Regional Water Board reserves its right to modify the 303(d) List in accordance with applicable rules and regulations, including the Listing Policy.

Certification

I, Matthias St. John, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of a Resolution adopted by the California Regional Water Quality Control Board, North Coast Region, on August 14, 2014.

for Matthias St. John
Executive Officer

14_0043_IR_Resolution

Table 1. Impaired Water Bodies (Categories 4a, 4b, and 5)* – The 2012 303(d) List				
Water Body Hydrologic Unit	**Water Body Name**	**Listing Extent**	**Pollutant**	**Category**
Bodega HU	Bodega Harbor HA	Entire water body	Invasive Species	5
	Campbell Cove	Entire water body	Indicator Bacteria	5
	Estero Americano HA, Estuary	Entire water body	Nutrients	5
			Sedimentation/ Siltation	5
	Estero Americano HA, Americano Creek	Entire water body	Nutrients	5
	Estero de San Antonio HA, Stemple Creek & Estero de San Antonio	Entire water body	Nutrients	5
			Sediment	5
Cape Mendocino HU	Mattole River HA, Mattole River	Entire water body	Sedimentation/ Siltation	4a
			Temperature	4a
Eel River HU	Lower Eel River HA (includes the Eel River Delta)	Mainstem Eel River	Aluminum	5
		McNulty Slough	Oxygen, Dissolved	5
		Entire water body except McNulty Slough	Temperature	4a
		Entire water body	Sedimentation/ Siltation	4a
	Middle Fork Eel River HA, Eden Valley HSA & Round Valley HSA	Mainstem Middle Fork Eel River	Aluminum	5
		Entire water body	Sedimentation/ Siltation	4a
			Temperature	4a
	Middle Fork Eel River HA, Wilderness HSA & Black Butte River HSA	Entire water body	Temperature	4a
	Middle Main Eel River HA	Mainstem Eel River	Aluminum	5
		Tributaries to the Middle Main Eel River	Temperature	4a
		Entire water body	Sedimentation/ Siltation	4a
	North Fork Eel River HA, Lower North Fork Eel River Watershed	Entire water body	Sedimentation/ Siltation	4a
			Temperature	4a
	North Fork Eel River HA, Upper North Fork Eel River Watershed	Entire water body	Temperature	4a
	South Fork Eel River HA	Mainstem South Fork Eel River	Aluminum	5
		Entire water body	Sedimentation/ Siltation	4a
		Entire water body except Dutch Charlie Creek and Redwood Creek	Temperature	4a
	Upper Main Eel River HA (included Tomki Creek)	Entire water body	Sedimentation/ Siltation	4a
			Temperature	4a

Table 1 (cont). Impaired Water Bodies (Categories 4a, 4b, and 5)* – The 2012 303(d) List				
Water Body Hydrologic Unit	**Water Body Name**	**Listing Extent**	**Pollutant**	**Category**
Eel River HU	Upper Main Eel River HA, Lake Pillsbury HSA, Lake Pillsbury	Entire water body	Mercury	5
	Van Duzen River HA	Entire water body	Sedimentation/ Siltation	4a
Eureka Plain HU	Elk River Watershed, Lower Elk River and Martin Slough	Lower mainstem Elk River and Martin Slough	Indicator Bacteria	5
		Entire water body	Sedimentation/ Siltation	5
	Elk River Watershed, Upper Elk River	Entire water body	Sedimentation/ Siltation	5
	Elk River Watershed, Upper Little South Fork Elk River	Entire water body	Sedimentation/ Siltation	5
	Freshwater Creek	Entire water body	Sedimentation/ Siltation	5
	Gannon Slough	Campbell Creek	Indicator Bacteria	5
	Humboldt Bay	Entire water body	Dioxin Toxic Equivalents	5
			PCBs	5
	Jacoby Creek Watershed	Entire water body	Sediment	5
	Jolly Giant Creek	Jolly Giant Creek	Indicator Bacteria	5
Klamath River HU	Copco Lake	Copco 1	Mercury	5
		Copco 1 and 2	Microcystin	4a
	Iron Gate Reservoir	Entire water body	Mercury	5
			Microcystin	4a
	Lost River HA, Tule Lake and Mt Dome HSAs	Klamath Straits Drain	Mercury	5
		Entire water body	Oxygen, Dissolved	4a
			pH (high)	4a
			Nutrients	4a
	Tule Lake and Lower Klamath Lake National Wildlife Refuge	Entire water body	pH (high)	4a
	Lower HA, Klamath Glen HSA	Mainstem Klamath River	Organic Enrichment/Low Dissolved Oxygen	4a
		Entire water body	Nutrients	4a
			Sedimentation/ Siltation	5
			Temperature	4a
	Middle HA and Lower HA, Scott River to Trinity River	China Creek, Grider Creek, Thompson Creek, Walker Creek	Sediment	5
		Mainstem Klamath River	Microcystin	4a
			Organic Enrichment/ Low Dissolved Oxygen	4a
		Entire water body	Nutrients	4a

Table 1 (cont). Impaired Water Bodies (Categories 4a, 4b, and 5)* – The 2012 303(d) List				
Water Body Hydrologic Unit	**Water Body Name**	**Listing Extent**	**Pollutant**	**Category**
Klamath River HU	Middle HA and Lower HA, Scott River to Trinity River	Entire water body except: (1) Portuguese Creek and its Tributaries, (2) Cedar Creek and its Tributaries, (3) Twin Valley Creek and its Tributaries, (4) North Fork Dillon Creek and its Tributaries from the headwaters to Vann Creek, (5) Canyon Creek and its Tributaries from the headwaters to confluence with Seiad Creek, (6) Elk Creek and its Tributaries from the headwaters to Bear Creek, (7) Tenmile Creek and its Tributaries, (8) Clear Creek and its Tributaries from the headwaters to the confluence with Tenmile Creek, and (9) Fort Goff Creek and its Tributaries.	Temperature	4a
	Middle HA, Iron Gate Dam to Scott River	Mainstem Klamath River	Organic Enrichment/ Low Dissolved Oxygen	4a
			Microcystin	4a
			Aluminum	5
		Entire water body	Nutrients	4a
			Temperature	4a
		Beaver Creek, Cow Creek, Deer Creek, Hungry Creek, West Fork Beaver Creek	Sediment	5
	Middle HA, Oregon to Iron Gate	Mainstem Klamath River	Organic Enrichment/ Low Dissolved Oxygen	4a
			Microcystin	4a
		Entire water body	Nutrients	4a
			Temperature	4a
	Salmon River HA (except the Wooley Creek HSA)	Entire water body except: (1) Uncles Creek and its Tributaries, (2) Plummer Creek and its tributaries, (3) the North Fork Salmon River and its Tributaries from the confluence with the Right Hand Fork of the North Fork Salmon River to the downstream boundary of the Marble Mountain Wilderness, (4) Right Hand Fork of the North Fork Salmon River and its tributaries, (5) the North Fork Salmon River and its Tributaries from the headwaters to the confluence with the Right Hand Fork of the North Fork Salmon River, and (6) the South Fork Salmon River from the headwaters to the confluence with Garden Gulch.	Temperature	4a

Table 1 (cont). Impaired Water Bodies (Categories 4a, 4b, and 5)* – The 2012 303(d) List				
Water Body Hydrologic Unit	**Water Body Name**	**Listing Extent**	**Pollutant**	**Category**
Klamath River HU	Salmon River HA, Wooley Creek HSA	Entire water body except: (1) Wooley Creek and its tributaries from the head waters to the confluence with the North Fork Wooley Ck, (2) Wooley Creek and its Tributaries from the confluence of the North Fork Wooley Creek to Haypress Creek, and (3) North Fork Wooley Creek and its Tributaries.	Temperature	4a
	Scott River HA	Entire water body except: (1) Mill Creek and its Tributaries from the headwaters to the confluence with Etna Creek and (2) Canyon Creek and its Tributaries from the headwaters to the downstream boundary of the Marble Mountain Wilderness.	Sedimentation / Siltation	4a
			Temperature	4a
		Mainstem Scott River from Young's Dam to Boulder Creek	Aluminum	5
			Biostimulatory Conditions	5
			Oxygen, Dissolved	5
			pH	5
		Shackleford Creek above Campbell Lake	pH	5
	Shasta River HA	Entire water body	Organic Enrichment / Low Dissolved Oxygen	4a
			Temperature	4a
		Mainstem Shasta River	Aluminum	4a
	Shasta River HA, Lake Shastina	Entire water body	Mercury	5
Mad River HU	Mad River	Entire water body	Sedimentation /Siltation	4a
			Temperature	5
			Turbidity	4a
		Mainstem Mad River	Aluminum	
	Norton Creek	Widow White Creek	Indicator Bacteria	5
	Ruth Lake	Entire water body	Mercury	5
Mendocino Coast HU	Albion River HA, Albion River	Entire water body	Sedimentation /Siltation	4a
			Temperature	5
	Big River HA, Berry Gulch	Little North Fork	Temperature	5
		Rocky Gulch, the Little North Fork, and Manley Gulch	Oxygen, Dissolved	5
	Big River HA, Big River	Cookhouse Gulch, Railroad Gulch, and the mainstem Big River	Oxygen, Dissolved	5
		Entire water body	Sedimentation /Siltation	4a
			Temperature	5

Table 1 (cont). Impaired Water Bodies (Categories 4a, 4b, and 5)* – The 2012 303(d) List				
Water Body Hydrologic Unit	**Water Body Name**	**Listing Extent**	**Pollutant**	**Category**
Mendocino Coast HU	Garcia River HA, Garcia River	Entire water body	Sediment	4a
			Temperature	5
	Gualala River HA, Gualala River	Mainstem Gualala River	Aluminum	5
		Entire water body	Sedimentation /Siltation	4a
		Entire water body except: the Little North Fork Gualala River and its tributaries	Temperature	5
	Navarro River HA	Entire water body	Sedimentation /Siltation	4a
			Temperature	4a
	Navarro River HA, Delta	Entire water body	Sedimentation /Siltation	4a
	Noyo River HA, Noyo River	Entire water body	Sedimentation /Siltation	4a
		(1) Mainstem Noyo River from confluence of Duffy Gulch downstream to confluence with Hayshed Gulch; (2) South Fork Noyo River mainstem from confluence of Kass Creek downstream to confluence with Noyo River mainstem; (3) Little North Fork Noyo River, (4) Duffy Gulch, and (5) Kass Creek tributaries.	Temperature	5
	Noyo River HA, Pudding Creek	Pudding Creek Lagoon	Indicator Bacteria†	5
		Mainstem Pudding Creek	Temperature	5
	Rockport HA, Ten Mile River HSA	Entire water body	Sedimentation /Siltation	4a
		Entire water body except: (1) Mill Creek, (2) Gulch 11, (3) Churchman Creek, (4) Little Bear Haven Creek, (5) Buckhorn Creek, (6) Booth Gulch, (7) Smith Creek, (8) Bear Haven Creek, and (9) the Little North Fork Ten Mile River	Temperature	5
Redwood Creek HU	Redwood Creek	Entire water body	Sedimentation /Siltation	4a
		Entire water body except Larry Dam Creek	Temperature	5
Russian River HU	Lower Russian River HA, Austin Creek HSA	Entire water body	Sedimentation /Siltation	5
			Temperature	5
	Lower Russian River HA, Guerneville HSA	Mainstem Russian River at Healdsburg Memorial Beach from the Railroad Bridge to Hwy 101	Indicator Bacteria†	5
			Specific Conductivity	
			Aluminum	

Table 1 (cont). Impaired Water Bodies (Categories 4a, 4b, and 5)* – The 2012 303(d) List				
Water Body Hydrologic Unit	**Water Body Name**	**Listing Extent**	**Pollutant**	**Category**
Russian River HU	Lower Russian River HA, Guerneville HSA	Mainstem Russian River at Fife Creek to Dutch Bill Creek	Indicator Bacteria†	5
			Aluminum	
		Mainstem Dutch Bill Creek	Indicator Bacteria	5
		Entire water body	Sedimentation /Siltation	5
			Temperature	5
	Lower Russian River HA, Guerneville HSA, Green Valley Creek watershed	Entire water body	Indicator Bacteria	5
			Oxygen, Dissolved	5
	Middle Russian River HA, Big Sulphur Creek HSA	Entire water body	Sedimentation /Siltation	5
			Temperature	5
	Middle Russian River HA, Geyserville HSA	Entire water body	Sedimentation /Siltation	5
			Temperature	5
		Stream 1 on Fitch Mountain	Indicator Bacteria†	5
		Foss Creek	Diazinon	5
	Middle Russian River HA, Laguna HSA, mainstem Laguna de Santa Rosa	Entire water body	Indicator Bacteria	5
			Oxygen, Dissolved	5
			Mercury	5
			Phosphorus	5
			Sedimentation /Siltation	5
			Temperature	5
	Middle Russian River HA, Laguna HSA, tributaries to the Laguna de Santa Rosa (except Santa Rosa Creek and its tributaries)	Mainstem Colgan Creek	Oxygen, Dissolved	5
		Entire water body	Indicator Bacteria	5
			Sedimentation /Siltation	5
			Temperature	5
	Middle Russian River HA, Mark West HSA, mainstem Mark West Creek downstream of the confluence with the Laguna de Santa Rosa	Entire water body	Aluminum	5
			Oxygen, Dissolved	5
			Phosphorus	5
			Manganese	5
			Sedimentation /Siltation	5
			Temperature	5
	Middle Russian River HA, Mark West HSA, mainstem Mark West Creek upstream of the confluence with the Laguna de Santa Rosa	Entire water body	Sedimentation /Siltation	5
			Temperature	5

Table 1 (cont). Impaired Water Bodies (Categories 4a, 4b, and 5)* – The 2012 303(d) List				
Water Body Hydrologic Unit	**Water Body Name**	**Listing Extent**	**Pollutant**	**Category**
Russian River HU	Middle Russian River HA, Mark West HSA, tributaries to Mark West Creek (except Windsor Creek and its tributaries)	Entire water body	Sedimentation/ Siltation	5
			Temperature	5
	Middle Russian River HA, Mark West HSA, Windsor Creek and its tributaries	Entire water body	Sedimentation/ Siltation	5
			Temperature	5
	Middle Russian River HA, Santa Rosa HSA, mainstem Santa Rosa Creek	Entire water body	Indicator Bacteria	5
			Sedimentation/ Siltation	5
			Temperature	5
	Middle Russian River HA, Santa Rosa HSA, tributaries to Santa Rosa Creek	Spring Lake	Mercury	5
		Entire water body	Indicator Bacteria	5
			Sedimentation/ Siltation	5
			Temperature	5
	Middle Russian River HA, Warm Springs HSA	Entire water body	Sedimentation/ Siltation	5
			Temperature	5
	Middle Russian River HA, Warms Springs HSA, Lake Sonoma	Entire water body	Mercury	5
	Upper Russian River HA, Coyote Valley HSA	Entire water body	Sedimentation/ Siltation	5
			Temperature	5
	Upper Russian River HA, Coyote Valley HSA, Lake Mendocino	Entire water body	Mercury	5
	Upper Russian River HA, Forsythe Creek HSA	Entire water body	Sedimentation/ Siltation	5
			Temperature	5
	Upper Russian River HA, Ukiah HSA	Mainstem Russian River	Aluminum	5
		Entire water body	Sedimentation/ Siltation	5
			Temperature	5
Smith River HU	Dead Lake	Entire water body	Mercury	5
Trinidad HU	Little River HA	Little River	Indicator Bacteria	5
	Clam Beach	Entire water body	Indicator Bacteria	5
Trinity River HU	Lower Trinity River HA	Entire water body except: (1) the New River and its tributaries, (2) Big French Creek and its tributaries, (3) the North Fork Trinity River and its tributaries, including the East Fork North Fork Trinity River and its tributaries, and (4) Manzanita Creek and its tributaries.	Sedimentation/ Siltation	4a

Table 1 (cont). Impaired Water Bodies (Categories 4a, 4b, and 5)* – The 2012 303(d) List				
Water Body Hydrologic Unit	**Water Body Name**	**Listing Extent**	**Pollutant**	**Category**
Trinity River HU	Middle Trinity River HA	Entire water body	Sedimentation /Siltation	4a
	South Fork Trinity HA	Entire water body	Sedimentation /Siltation	4a
			Temperature	5
	Trinity Lake (was Claire Engle Lake)	Entire water body	Mercury	5
	Upper Trinity River HA	Entire water body except the Stuart Fork and its tributaries	Sedimentation / Siltation	4a
	Upper Trinity HA, Trinity River, East Fork Trinity River	Entire water body	Mercury	5
			Sedimentation /Siltation	4a

* Category 4a - At least one use is not supported, a TMDL has been developed and the TMDL has been approved by the USEPA.
Category 4b - At least one use is not supported, but a TMDL is not needed as an existing regulatory program is reasonably expected to result in the attainment of the water quality standard. The North Coast Regional Water Quality Control Board does not currently have any water bodies in Category 4b.
Category 5 - At least one use is not supported and a TMDL is needed.

† Listing based solely upon fecal coliform data.