

1996 CALIFORNIA 303(d) AND TMDL PRIORITY LIST

1996 List

08-Sep-97

| REGION | TYPE | NAME | HYDRO UNIT | CAUSES | SOURCES | PRIORITY | SIZE AFFECTED | UNIT | TARGETED FOR TMDL | START DATE | END DATE |
|--------|------|----------------------|------------|-------------|---|----------|---------------|-------|-------------------|------------|----------|
| | | | | | MUNICIPAL POINT SOURCES NONPOINT SOURCE SILVICULTURE Surface Mining | | | | | | |
| | | | | Temperature | | Medium | 190 | Miles | N | 0402 | 0206 |
| | | | | | INDUSTRIAL POINT SOURCES Irrigated Crop Production MUNICIPAL POINT SOURCES NONPOINT SOURCE SILVICULTURE Surface Mining | | | | | | |
| 1 | R | LAGUNA DE SANTA ROSA | 114,210 | Nutrients | Manure Lagoons MUNICIPAL POINT SOURCES NONPOINT SOURCE Pasture Land | High | 26 | Miles | Y | 0395 | 0897 |
| 1 | R | MAD RIVER | 109,000 | Siltation | INDUSTRIAL POINT SOURCES MUNICIPAL POINT SOURCES NONPOINT SOURCE SILVICULTURE | Low | 90 | Miles | N | 0415 | 0417 |
| | | | | Turbidity | INDUSTRIAL POINT SOURCES MUNICIPAL POINT SOURCES NONPOINT SOURCE SILVICULTURE | Low | 90 | Miles | N | 0415 | 0417 |
| 1 | R | MATTOLE RIVER | 112,300 | Siltation | Range Land SILVICULTURE | Medium | 56 | Miles | N | 0202 | 0204 |
| | | | | Temperature | Range Land SILVICULTURE | Medium | 56 | Miles | N | 0202 | 0204 |
| 1 | R | NAVARRO RIVER | 113,500 | Siltation | NONPOINT SOURCE SILVICULTURE | Medium | 25 | Miles | N | 0400 | 0402 |
| | | | | Temperature | NONPOINT SOURCE SILVICULTURE | Medium | 25 | Miles | N | 0400 | 0402 |
| 1 | R | NOYO RIVER | 115,200 | Siltation | SILVICULTURE | Medium | 35 | Miles | N | 0499 | 0401 |
| 1 | R | REDWOOD CREEK | 107,000 | Siltation | Range Land SILVICULTURE | Low | 63 | Miles | Y | 0498 | 0400 |

1996

1997
GeoWBS
data
Sheet.

LAGUNA DE SANTA ROSA

HYDRO UNIT: 114.210
TOTAL SIZE: 26
UNIT: Miles

WATER BODY ID: CAR114.210LAGUNA DE SANTA
USGS CATALOGING UNIT: 18010110
LATITUDE: 0 LONGITUDE: 0

CWA LISTINGS:

303(d): Y
319: 26 Miles
314: 0 Miles

ASSESSMENT TYPE: M
ASSESSMENT CYCLE: 97
MONITORED FOR TOXICS: Y

COUNTY 1: 06097 SONOMA CO
COUNTY 2:
COUNTY 3:

BENEFICIAL USE SUPPORT

| YEAR | CODE | EPA BENEFICIAL USES | FULLY SUPPORTING | THREATENED | PARTIALLY SUPPORTING | NOT SUPPORTING | NOT ASSESSED |
|---------------------------|------|---------------------------|------------------|------------|----------------------|----------------|--------------|
| 97 | 01 | OVERALL USE SUPPORT | 0 | 0 | 26 | 0 | 0 |
| 97 | 20 | AQUATIC LIFE SUPPORT | 0 | 0 | 26 | 0 | 0 |
| 97 | 42 | SWIMMABLE | 0 | 0 | 26 | 0 | 0 |
| 97 | 44 | SECONDARY CONTACT REC | 0 | 0 | 26 | 0 | 0 |
| 97 | 50 | DRINKING WATER SUPPLY | 0 | 0 | 26 | 0 | 0 |
| 97 | 72 | AGRICULTURE | 0 | 0 | 26 | 0 | 0 |
| CA BENEFICIAL USES | | | | | | | |
| 97 | AG | Agricultural Supply | 0 | 0 | 26 | 0 | 0 |
| 97 | IN | Industrial Service Supply | 0 | 0 | 26 | 0 | 0 |
| 97 | MI | Fish Migration | 0 | 0 | 26 | 0 | 0 |
| 97 | MU | Municipal & Domestic | 0 | 0 | 26 | 0 | 0 |
| 97 | R1 | Water Contact Recreation | 0 | 0 | 26 | 0 | 0 |
| 97 | R2 | Non-Contact Recreation | 0 | 0 | 26 | 0 | 0 |
| 97 | RA | Rare & Endangered Species | 0 | 0 | 26 | 0 | 0 |
| 97 | SP | Fish Spawning | 0 | 0 | 26 | 0 | 0 |
| 97 | WA | Warm Freshwater Habitat | 0 | 0 | 26 | 0 | 0 |
| 97 | WI | Wildlife Habitat | 0 | 0 | 26 | 0 | 0 |

CAUSES

| CODE | CAUSES (for 303(b)) | SIZE AFFECTED | MAGNITUDE |
|----------------------------|---------------------------|---------------|-----------|
| 0600 | Unionized Ammonia | 26 | M |
| 0900 | Nutrients | 26 | H |
| 1200 | Organic enrichment/Low DO | 26 | M |
| 1600 | Other habitat alterations | 26 | M |
| 1700 | Pathogens/Path.Indicators | 26 | M |
| 2100 | Suspended solids | 26 | M |
| CAUSES (not 303(b)) | | | |

18-Aug-98

351

LAGUNA DE SANTA ROSA

| | | | |
|------|----------|----|---|
| 7010 | COLIFORM | 26 | M |
|------|----------|----|---|

SOURCES

| CODE | SOURCES | SIZE AFFECTED | MAGNITUDE |
|------|-------------------------|---------------|-----------|
| 0200 | MUNICIPAL POINT SOURCES | 26 | M |
| 1000 | AGRICULTURE | 26 | M |
| 1400 | Pasture Land | 26 | M |
| 1900 | Manure Lagoons | 26 | M |
| 7000 | HYDROMODIFICATION | 26 | M |
| 7100 | Channelization | 26 | M |
| 9100 | NONPOINT SOURCE | 26 | M |

CAUSES AND SOURCES LINKED

| CODE | CAUSE | LINKED TO: | CODE | SOURCE |
|------|---------------------------|------------|------|---|
| 0600 | Unionized Ammonia | ----- | 1900 | Manure Lagoons |
| 0900 | Nutrients | ----- | 1800 | Off-farm Animal Holding/Management Area |
| 1200 | Organic enrichment/Low DO | ----- | 1400 | Pasture Land |
| 1600 | Other habitat alterations | ----- | 7100 | Channelization |
| 1700 | Pathogens/Path.Indicators | ----- | 0200 | MUNICIPAL POINT SOURCES |
| 7010 | COLIFORM | ----- | 0200 | MUNICIPAL POINT SOURCES |

ASSESSMENT COMMENTS

- Targeted for NCRMQCB Integrated Watershed process: 1995-2000.
- TMDL wasteload reduction strategy is being implemented. Confirmatory monitoring is underway.

TMDL POLLUTANTS AND SOURCES

| CODE | POLLUTANT/STRESSOR | CODE | SOURCE | SIZE AFFECTED | TMDL PRIORITY | TMDL TARGETED | START | END |
|------|--------------------|------|-------------------------|---------------|---------------|---------------|-------|------|
| 0900 | Nutrients | 0200 | MUNICIPAL POINT SOURCES | 16 | H | Y | 0395 | 0607 |
| | | 1400 | Pasture Land | 16 | H | Y | 0395 | 0607 |
| | | 1900 | Manure Lagoons | 16 | H | Y | 0395 | 0607 |
| | | 9100 | NONPOINT SOURCE | 16 | H | Y | 0395 | 0607 |

Size Affected = Portion of water body affected. L = Low M = Medium H = High TMDL Targeted = Targeted within the next 2 years

18-Aug-98

352

1995
Staff
Report

California North Coast Regional Water Quality Control Board
Clean Water Act, Section 303(d) List of Impaired Waterbodies
as adopted by Resolution 95-96, December 7, 1995

| | <u>WATERBODY</u> | <u>POLLUTANT</u> |
|-----|----------------------------|--------------------------------|
| 1. | Laguna de Santa Rosa.... | Nutrients |
| 2. | Stemple Creek..... | Nutrients |
| 3. | Estero de San Antonio.... | Nutrients |
| 4. | Garcia River..... | Sediment |
| 5. | Klamath River..... | Temperature, Nutrients |
| 6. | Scott River..... | Sediment, Temperature |
| 7. | Shasta River..... | Dissolved Oxygen, Temperature |
| 8. | Beaughton Creek..... | Unpermitted discharge of waste |
| 9. | Trinity River..... | Sediment |
| 10. | South Fork Trinity River.. | Sediment |
| 11. | Americano Creek..... | Nutrients |
| 12. | Estero Americano..... | Nutrients |
| 13. | Eel River..... | Sediment, Temperature |
| 14. | Tomki Creek..... | Sediment |
| 15. | Van Duzen River..... | Sediment |
| 16. | Noyo River..... | Sediment |
| 17. | Mad River..... | Sediment, Turbidity |
| 18. | Navarro River..... | Sediment |
| 19. | Gualala River..... | Sediment |
| 20. | Albion River..... | Sediment |
| 21. | Big River..... | Sediment |
| 22. | Redwood Creek..... | Sediment |
| 23. | Mattole River..... | Sediment, Temperature |

California North Coast Regional Water Quality Control Board
 Expanded Details for Waterbodies on the
 Clean Water Act, Section 303(d) List of Impaired Waterbodies
 (based on the 303(d) list, as adopted by Resolution 95-96, December 7, 1995)

TABLE

The following is an expanded detail of some representative activities on the affecting the waterbodies on the 303(d). The reference number in the first column refers to the position of the waterbody on the 303(d) list.

| REFERENCE NUMBER WATERBODY POLLUTANT(S) | ACTIVITIES | PRIORITY PRODUCT TARGET |
|--|---|---|
| <p>1 Laguna de Santa Rosa -Nutrients (Toxics, not a listed concern.)</p> | <p>1) Late 1970's and early 1980's: North Coast Regional Water Quality Control Board (NCRWQCB) staff worked with dairies to contain waste, separate rainwater from waste containment areas, and dispose of wastes in agronomically beneficial ways. 2) 1973: NCRWQCB issued Cease and Desist order against the City of Santa Rosa, West College Avenue Sewage Treatment Plant. 3) 1975: Summertime discharge to the Laguna and Russian River ended. 4) 1986: NCRWQCB staff required improved treatment at Santa Rosa and Windsor treatment works. 5) 1985-86: US Environmental Protection Agency (USEPA) 205(j) grant funds used to investigate toxic contaminants potentially occurring at very low concentrations. 6) Hauser legislation provided resources for monitoring of stormwater runoff. 7) 1992: Statewide stormwater program began. NCRWQCB staff, together with the city closely monitored Santa Rosa stormwater. 8) 205(j) Stormwater study/City of Santa Rosa stormwater study. 9) 1993-current: NCRWQCB staff aggressively supported 319(h) funded source reduction efforts. City, the Gold Ridge Resource Conservation District, dairies, community, Regional Board cooperating. 10) March, 1995: TMDL in place. Staff will report to Board in Summer, 1996 on progress. 11) Regional Board staff have achieved elimination or reduction of discharge of petroleum and solvents through site cleanup activities, which are ongoing. 12) Late 1995: NCRWQCB staff involved in multi-agency coastal salmon initiative, aimed at development of habitat conservation plans for the protection of coho and steelhead stocks at risk. This initiative is being developed to answer requirements of Endangered Species Act (ESA) and Clean Water Act (CWA). National Marine Fisheries Service (NMFS) is due to rule on petitions relative to the status of these coastal stocks at risk by July, 1996. 13) Targeted for NCRWQCB Integrated Watershed process: 1995-2000.</p> | <p>Work Priority: High</p> <p>TMDL priority: NA</p> <p>TMDL done 1995. Confirmation is ongoing.</p> |
| <p>2 Stemple Creek -Nutrients</p> | <p>1) Late 1970's and early 1980's: NCRWQCB staff worked with dairies to contain waste, separate rainwater from waste containment areas, and dispose of wastes in agronomically beneficial ways. 2) 319(h) funded source reduction activities, through the Gold Ridge Resource Conservation District. Agricultural community has targeted 75% reduction of nutrient loading. 3) Targeted for NCRWQCB Integrated Watershed process: 1995-2000. 4) Propose TMDL to Board in 1996.</p> | <p>Work Priority: High</p> <p>TMDL priority: High</p> <p>TMDL 1996</p> |