Regional Water Quality Control Board

CENTRAL COAST REGION (3)

SECTION 303 (d) LIST PROPOSALS

Region 3 Summary of Recommendations

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Alamo Creek	Fecal coliform/water/REC 1	List	List
Alisal Creek	Fecal coliform/water/REC 1	List	List
Atascadero Creek	Dissolved Oxygen/water/Aquatic Life	List	List
Blosser Channel/Creek	Fecal coliform/water/REC 1	List	List
Salinas River (Upper)	Chloride/water/Drinking Water BU	List	List
San Lorenzo River Watershed-Branciforte Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List
San Lorenzo River Watershed-Fall Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List
San Lorenzo River Watershed-Kings Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List
San Lorenzo River Watershed-Love Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List
San Lorenzo River Watershed-Mountain Charlie Gulch	Sedimentation/Siltation/Water/ Aquatic Life	List	List
San Lorenzo River Watershed-Newell Creek (Upper)	Sedimentation/Siltation/Water/ Aquatic Life	List	List
San Lorenzo River Watershed-Zayante Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Chorro Creek	Metals/sediment/aquatic habitat uses	Delist (Data outside waterbody)	Delist
Estero Bay/Los Osos Creek	Priority organics/Water--Sediment/Aquatic Life	Delist	Delist
San Lorenzo River Lagoon	Sediment/Siltation/water/Aquatic life	Delist	Delist (Impairment not due to delivery of sediment upstream sources, but due the established of a sandbar.)
San Luis Obispo Creek	Priority organics/tissue/Fish Consumption	Delist for Priority Organics (HCH and Chlordane, list for PCBs	Maintain Listing (not enough samples to warrant delisting)
Majors Creek	Turbidity/water/MUN, WARM, COLD, SPWN	No evidence to support listing	Exclude from list
Monterey Bay at Aquarium	Dissolved Oxygen, temperature, total coliform, fecal coliform, enterococcus, total ammonia, nitrite, nitrate, phosphate, pH/water/all ocean-bay uses	Do not list	Exclude from list
Pacific Ocean (various sites)	Total coliform, E. coli, Enterococcus, nitrate, phosphate, sulfate, turbidity, Dissolved Oxygen, temperature, conductivity, pH/water/all ocean-bay uses	Do not list (Evidence does not support listing)	Exclude from List
Santa Barbara Channel/various sites	Total coliform, E. coli, Enterococcus, nitrite, phosphate, sulfate, turbidity, Dissolved Oxygen Temperature, conductivity and pH/water	Do not list (No QA)	Exclude from list
Selected sites in Monterey Bay	Nickel, chromium, arsenic/sediment/Aquatic Life	Do not list	Exclude from list

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
Upper Salinas River/tributaries	Temperature, nutrients, turbidity, Dissolved Oxygen/sediment/Aquatic Life	Do not list (no QA and not enough data to determine water quality conditions)	Exclude from list
Santa Ynez watershed, San Antonio watershed, Santa Maria Watershed, Salinas watershed and San Benito Watershed	No additional impairments	Do not list (no additional impairments)	Exclude from list
Carpinteria	Virus/water/REC1	Do not list	Exclude from list
City College Beach (Leadbetter Beach)	Virus/water/REC1	Do not list	Exclude from list
Mission Creek Beach	Virus/water/REC1	Do not list	Exclude from list
Arroyo Burro Beach	Virus/water/REC1	Do not list	Exclude from list
Salinas River (upper)	Sodium/water/Ag and Drinking Water	List	List
San Lorenzo Creek	Fecal coliform/water/REC1	List	List
San Luis Obispo Creek at the mouth	Polychlorinated biphenyls (PCBs)/tissue/Fish Consumption	List (PCBs MTRLs exceedance in fish tissue)/Watch List (not enough samples to list)	Watch List (not enough samples to list)
Santa Maria River	Fecal coliform/water/REC1	List	List
Santa Maria River	Nutrients (nitrate)/water/Drinking Water BU	List	List
Tembladero Slough	Fecal coliform/water/REC1	List	List
Tesquita Slough	Fecal coliform/water/REC1	List	List
San Lorenzo River Watershed -Bean Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
San Lorenzo River Watershed-Bear Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List
San Lorenzo River Watershed-Bear Creek	Sedimentation/Siltation/Water/ Aquatic Life	List	List
Bradley Canyon Creek	Fecal coliform/water/REC1	List	List
Cholame Creek	Fecal coliform/water/REC1	List	List
Gabilan Creek	Fecal coliform/water/REC1	List	List
Llagas Creek	Fecal coliform/water/REC1	List	List
Llagas Creek	Chloride/water/Drinking Water BU	List	List
Llagas Creek	Dissolved Oxygen/water/Aquatic Life	List	List
Llagas Creek	Sodium/water/Aquatic Life	List	List
Llagas Creek	TDS/water/Aquatic life and Agriculture	List	List
Los Osos Creek	Dissolved Oxygen/water/Aquatic Life	List	List
Main Street Canal	Nutrients (nitrate)/water/Drinking Water BU	List	List
Nipomo Creek	Fecal coliform/water/REC1	List	List
Orcutt Solomon Creek	Fecal coliform/water/REC1	List	List
Olso Flaco Lake	Nutrients(Nitrate)/water/Drinking Water BU	List	List

Water Body	Pollutant/Medium /Beneficial Use	RWQCB Recommendation	SWRCB Recommendation
South Coast/Pacific Ocean @ Arroyo Quemado Beach	Total coliform/water/Ocean Plan Shellfish Harvest, REC1	List	List
South Coast/Pacific Ocean @ Arroyo Quemado Beach	Fecal coliform/water/REC1	List	List
South Coast/Pacific Ocean @ Jalama Beach	Total coliform/water/Ocean Plan Shellfish Harvest, REC1	List	List
South Coast/Pacific Ocean @ Jalama Beach	Fecal coliform/water/Ocean Plan Shellfish harvest, REC1	List	List
South Coast/Pacific Ocean @ Mission Creek (East Beach)	Total coliform/water/Ocean Plan Shellfish Harvest, REC1	List	List
South Coast/Pacific Ocean @ Mission Creek (East Beach)	Fecal coliform/water/Ocean Plan REC1	List	List
Pajaro River	Fecal coliform/water/BP WQO	List	List
Quail Creek	Fecal coliform/water/REC1	List	List
Salinas Reclamation Canal	Fecal coliform/water/REC1	List	List

Region 3

Alamo Creek

Water Body	Alamo Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC 1
Data quality assessment. Extent to which data quality requirements met.	Used Central Coast Ambient Monitoring Program (CCAMP) QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	14 bacterial samples, 8 samples exceeding (57%) WQO violations
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Used Central Coast Ambient Monitoring Program (CCAMP) QA/QC methodology
Potential Source(s) of Pollutant	Natural sources, Agriculture, Range Land
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Alisal Creek

Water Body	Alisal Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC 1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	6 bacteria samples, 5 samples exceeding (83%) WQO violations
Spatial representation	1 site
Temporal representation	sum, fall winter sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Urban Runoff, Natural Sources, Nonpoint sources, Agriculture
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Atascadero Creek

Water Body	Atascadero Creek
Stressor/Media/Beneficial Use	Dissolved Oxygen/water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Dissolved Oxygen is linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 year
Data used to assess water quality	20 water samples, 13 samples exceeding (67%) WQO violations
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Urban Runoff, Unknown Sources
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Blosser Channel/Creek

Water Body	Blosser Channel/Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC 1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	10 Bacteria samples, 5 samples exceeding (50%) WQO violations
Spatial representation	1 site
Temporal representation	Monthly sampling events, excluding the dry season.
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Pasture Lands, Urban Runoff, Storm water, Natural Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Salinas River (Upper)

Water Body	Salinas River (Upper)
Stressor/Media/Beneficial Use	Chloride/water/Drinking Water BU
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Chloride is linked to Agriculture and Drinking water BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	42 water samples, 42 samples exceeding (100%) WQO violations
Spatial representation	3 Stations
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Urban Runoff, Pasture Lands
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Branciforte Creek

Water Body	San Lorenzo River Watershed-Branciforte Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and benefical use or standard	Geomorphological data linked to Aquatic Life protection
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data = 2 years (1998 and 1999), Samples collected from site.
Data used to assess water quality	Riffle/Run Embeddedness = 60% samples exceed at Site 21a and 37.5% samples exceed at Site 21b. (Sample size unknown in all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	Late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Logging in upper watershed, improper/illegal
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Fall Creek

Water Body	San Lorenzo River Watershed-Fall Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and benefical use or standard	Geomorphological data linked to Aquatic Life protection
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data = 2 years (1998 and 1999), Samples collected from site.
Data used to assess water quality	Riffle/Run Embeddedness =47.5% samples exceed at Site 15. For Fine Sediment in Riffles = 40% samples exceed at Site15 (Sample size unknown in all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	Late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Trail system in Fall State Park (stream mile 1 and above), bank erosion/slumping, Residential use, road, trails
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Kings Creek

Water Body	San Lorenzo River Watershed-Kings Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and benefical use or standard	Geomorphological data linked to Aquatic Life protection
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data = 2 years (1998 and 1999), Samples collected from site.
Data used to assess water quality	Riffle/Run Embeddedness = 52.5% sample exceed at site 19b. (Sample size unknown in all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	Late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Improper/illegal grading of private roads and home sites, lack of vegetation around home sites, residential use, roads and timber
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Love Creek

Water Body	San Lorenzo River Watershed-Love Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and benefical use or standard	Geomorphological data linked to Aquatic Life protection
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data = 2 years (1998 and 1999), Samples collected from site.
Data used to assess water quality	Riffle/Run Embeddedness = 44% samples exceed at Site L-1. For D50: 37 = 30mm sample at Site Z-8. (Sample size unknown in all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	Late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Improper/illegal grading of private roads and home sites, lack of vegetation around home sites, agriculture, residential use, roads and timber
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Mountain Charlie Gulch

Water Body	San Lorenzo River Watershed-Mountain Charlie Gulch
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and benefical use or standard	Geomorphological data linked to Aquatic Life protection
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data = 2 years (1998 and 1999), Samples collected from site.
Data used to assess water quality	Riffle/Run embeddedness = 40% samples exceed at Site 16b, 35% samples exceed at Site 16c. For Fine Sediments in Riffles = 38% samples exceed at Site Z-3. For D50: 37mm (minimum for a reach) = 11mm at Site Z-3. (Sample size unknown for all cases).Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	Late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Residential use, timber, roads
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Newell Creek (Upper)

Water Body	San Lorenzo River Watershed-Newell Creek (Upper)
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and benefical use or standard	Geomorphological data linked to Aquatic Life protection
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data = 2 years (1998 and 1999), Samples collected from site.
Data used to assess water quality	Riffle/Run embeddedness = 40% samples exceed at Site 16b, 35% samples exceed at Site 16c (Sample size unknown for all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	Late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Improper/illegal grading of private roads and home sites, lack of vegetation around home sites, agriculture, residential use, roads and timber
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Zayante Creek

Water Body	San Lorenzo River Watershed-Zayante Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and benefical use or standard	Geomorphological data linked to Aquatic Life protection
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data = 2 years (1998 and 1999), Samples collected from site.
Data used to assess water quality	Riffle/Run embeddedness = 45% samples exceed at Site 13a and 13b, 40% samples exceed at Site 13e, 54% samples exceed at Site Z-1, 47% samples exceed at Site Z-2, 39% samples exceed at Site Z-4, 42% samples exceed at Site Z-5, 46% samples exceed at Site Z-6. For Fine Sediments in Riffles = 40% samples exceed at Site 13b, 50% samples. Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999. exceed at Site 13c, 45% samples exceed at Site 13d, 38% samples exceed at Site Z-1, 34% samples exceed at Site Z-2. For D50: 37mm (minimum for a reach) = 12mm at Site Z-1, 14mm at Site Z-2, 24mm at Site Z-5, 30mm at Site Z-7. (Sample size unknown for all cases)
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	Late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Improper/illegal grading of private roads and home sites, lack of vegetation around home sites, agriculture, residential use, roads and timber
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Chorro Creek

Water Body	Chorro Creek
Stressor/Media/Beneficial Use	Metals/sediment/aquatic habitat uses
Data quality assessment. Extent to which data quality requirements met.	CCAMP Methodologies
Linkage between measurement endpoint and benefical use or standard	Metal in sediment is linked to aquatic life
Utility of measure for judging if standards or uses are not attained	New data points towards no impairment. Past assessment was based on two sample locations not in the waterway (Chorro Creek).
Water Body-specific Information	Data from outside of water body
Data used to assess water quality	No new data
Spatial representation	Data from outside of water body
Temporal representation	Unknown
Data type	NA
Use of standard method	NA
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Siltation TMDL is expected to reduce metals loads
RWQCB Recommendation	Delist (Data outside waterbody)
SWRCB Staff Recommendation	Delist

Region 3

Estero Bay/Los Osos Creek

Water Body	Estero Bay/Los Osos Creek
Stressor/Media/Beneficial Use	Priority organics/Water--Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and benefical use or standard	Priority Organic linked to Aquatic life
Utility of measure for judging if standards or uses are not attained	New data points towards no impairment. Most current data indicates WQO per CTR and BP are met.
Water Body-specific Information	Data 1 year old
Data used to assess water quality	Number of samples unknown, but results indicate chemical in concentrations below NOAA and ERMs.
Spatial representation	Unknown
Temporal representation	one sample event
Data type	Numerical
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist
SWRCB Staff Recommendation	Delist

Region 3

San Lorenzo River Lagoon

Water Body	San Lorenzo River Lagoon
Stressor/Media/Beneficial Use	Sediment/Siltation/water/Aquatic life
Data quality assessment. Extent to which data quality requirements met.	City of Santa Cruz of lower Lorenzo River (Philip Williams and Associates, et al, 1989). Unknown if QAPP used.
Linkage between measurement endpoint and benefical use or standard	Siltation is linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	Original listing appears to have been based on generic data that was not indicative of the conditions in the SLR Lagoon. The Lagoon Management Plan has established that problem within the lagoon are associated with the breaching of the sand bar that becomes established between the lagoon and Monterey Bay, and are not due to the delivery of sediment from upstream sources.
Water Body-specific Information	Data 4 years old
Data used to assess water quality	No actual data
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	City of Santa Cruz, methods unknown
Potential Source(s) of Pollutant	Due to the establishment of a sandbar and not from sediments upstream.
Alternative Enforceable Program	
RWQCB Recommendation	Delist
SWRCB Staff Recommendation	Delist (Impairment not due to delivery of sediment upstream sources, but due the established of a sandbar.)

Region 3

San Luis Obispo Creek

Water Body	San Luis Obispo Creek
Stressor/Media/Beneficial Use	Priority organics/tissue/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	CCAMP Methodologies and QAQC
Linkage between measurement endpoint and benefical use or standard	MTRLs are linked to Fish Consumption BU
Utility of measure for judging if standards or uses are not attained	CTRs and MTRLs
Water Body-specific Information	Data 3 years old, species present, one time sample event
Data used to assess water quality	1 composite sample, 1 sample exceeding for PCBs
Spatial representation	One site
Temporal representation	1 sample events
Data type	Numerical
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Delist for Priority Organics (HCH and Chlordane, list for PCBs
SWRCB Staff Recommendation	Maintain Listing (not enough samples to warrant delisting)

Region 3

Majors Creek

Water Body	Majors Creek
Stressor/Media/Beneficial Use	Turbidity/water/MUN, WARM, COLD, SPWN
Data quality assessment. Extent to which data quality requirements met.	City of Santa Cruz data, QAPP unknown
Linkage between measurement endpoint and benefical use or standard	Heavy sedimentation affects drinking water quality and habitat functions
Utility of measure for judging if standards or uses are not attained	Narrative objective: Waters shall be free of changes in turbidity that cause nuisance or adversely affect beneficial uses.
Water Body-specific Information	The City stated this watershed is experiencing increasingly frequent periods of high turbidity associated with the heavy sedimentation attributed to natural background erosion sources, the large network of unmaintained seasonal rads, log jam related stream bank erosions, feral pig activity and other factors. In addition to drinking water quality and production challenges posed by these conditions, the channel itself (especially the East Branch) is choked with sediment, thereby limiting habitat functions.
Data used to assess water quality	The City complains of high turbidity associated with heavy sedimentation due to erosion, seasonal roads, log jam-related erosion, feral pigs, and other factors.
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	Unknown
Potential Source(s) of Pollutant	Natural sources, erosion, unmaintained roads, log jams, stream bank erosion, feral pig activity
Alternative Enforceable Program	Unknown
RWQCB Recommendation	No evidence to support listing
SWRCB Staff Recommendation	Exclude from list

Region 3

Monterey Bay at Aquarium

Water Body	Monterey Bay at Aquarium
Stressor/Media/Beneficial Use	Dissolved Oxygen, temperature, total coliform, fecal coliform, enterococcus, total ammonia, nitrite, nitrate, phosphate, pH/water/all ocean-bay uses
Data quality assessment. Extent to which data quality requirements met.	Monterey Bay Aquarium
Linkage between measurement endpoint and benefical use or standard	Measurements related to Aquatic Life and REC1 BU
Utility of measure for judging if standards or uses are not attained	Unknown
Water Body-specific Information	Unknown
Data used to assess water quality	Unknown
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Do not list
SWRCB Staff Recommendation	Exclude from list

Region 3

Pacific Ocean (various sites)

Water Body	Pacific Ocean (various sites)
Stressor/Media/Beneficial Use	Total coliform, E. coli, Enterococcus, nitrate, phosphate, sulfate, turbidity, Dissolved Oxygen, temperature, conductivity, pH/water/all ocean-bay uses
Data quality assessment. Extent to which data quality requirements met.	Santa Barbara Channel Keeper
Linkage between measurement endpoint and benefical use or standard	Measurements related to REC1 BU
Utility of measure for judging if standards or uses are not attained	Unknown
Water Body-specific Information	Unknown
Data used to assess water quality	Data indicates high bacteria concentrations but not impairment. Data supplemented with data from SB County Public Health Dept., leading to three beaches to be listed.
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Do not list (Evidence does not support listing)
SWRCB Staff Recommendation	Exclude from List

Region 3

Santa Barbara Channel/various sites

Water Body	Santa Barbara Channel/various sites
Stressor/Media/Beneficial Use	Total coliform, E. coli, Enterococcus, nitrite, phosphate, sulfate, turbidity, Dissolved Oxygen Temperature, conductivity and pH/water
Data quality assessment. Extent to which data quality requirements met.	Santa Barbara County Creek Watchers (no QA Procedures)
Linkage between measurement endpoint and benefical use or standard	Linked to Aquatic Life, REC1 and Drinking Water
Utility of measure for judging if standards or uses are not attained	Data indicates high bacteria concentration, but not enough samples to indicate impairment. In addition, QA procedures were not used.
Water Body-specific Information	Date 1 year old (collected during 01-02)
Data used to assess water quality	250 sample events
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Numerical
Use of standard method	No QA
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Do not list (No QA)
SWRCB Staff Recommendation	Exclude from list

Region 3

Selected sites in Monterey Bay

Water Body	Selected sites in Monterey Bay
Stressor/Media/Beneficial Use	Nickel, chromium, arsenic/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	1998 Master Thesis by Anuraag Gill (San Lorenzo Valley Water District)
Linkage between measurement endpoint and benefical use or standard	Linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Unknown
Water Body-specific Information	Unknown
Data used to assess water quality	Unknown
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Natural geologic sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Do not list
SWRCB Staff Recommendation	Exclude from list

Region 3

Upper Salinas River/tributaries

Water Body	Upper Salinas River/tributaries
Stressor/Media/Beneficial Use	Temperature, nutrients, turbidity, Dissolved Oxygen/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Las Tables Resource Conservation District (no QA/QP program provided)
Linkage between measurement endpoint and benefical use or standard	Linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Linked to Aquatic Life
Water Body-specific Information	Unknown
Data used to assess water quality	Most station only have one to two sampling event. The station with the highest number of samples had four sampling events.
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	Unknown
RWQCB Recommendation	Do not list (no QA and not enough data to determine water quality conditions)
SWRCB Staff Recommendation	Exclude from list

Region 3

Santa Ynez watershed, San Antonio watershed, Santa Maria

Water Body	Santa Ynez watershed, San Antonio watershed, Santa Maria Watershed, Salinas watershed and San Benito Watershed
Stressor/Media/Beneficial Use	No additional impairments
Data quality assessment. Extent to which data quality requirements met.	USGS
Linkage between measurement endpoint and benefical use or standard	NA
Utility of measure for judging if standards or uses are not attained	narrative objective: Waters shall be free of changes in turbidity that cause nuisance or adversely affect beneficial uses.
Water Body-specific Information	NA
Data used to assess water quality	NA
Spatial representation	NA
Temporal representation	NA
Data type	NA
Use of standard method	NA
Potential Source(s) of Pollutant	NA
Alternative Enforceable Program	NA
RWQCB Recommendation	Do not list (no additional impairments)
SWRCB Staff Recommendation	Exclude from list

Region 3

Carpinteria

Water Body	Carpinteria
Stressor/Media/Beneficial Use	Virus/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and benefical use or standard	Linked to REC1
Utility of measure for judging if standards or uses are not attained	Virus detection methodology not conclusive enough to indicate a virus problem, 30% of the samples has positive results for presence of a virus. There are too few virus data points during the most sensitive period (typically winter for pathogens).
Water Body-specific Information	Unknown
Data used to assess water quality	Unknown
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	Not approved methodologies
Potential Source(s) of Pollutant	
Alternative Enforceable Program	
RWQCB Recommendation	Do not list
SWRCB Staff Recommendation	Exclude from list

Region 3

City College Beach (Leadbetter Beach)

Water Body	City College Beach (Leadbetter Beach)
Stressor/Media/Beneficial Use	Virus/water/REC1
Data quality assessment. Extent to which data quality requirements met.	No QAPP
Linkage between measurement endpoint and benefical use or standard	Linked to REC1
Utility of measure for judging if standards or uses are not attained	These water bodies are already covered by the existing 303(d) list. Bacteria and pathogen improvements recommended through TMDLs for these waters will also result in virus improvement
Water Body-specific Information	Unknown
Data used to assess water quality	Unknown
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	Not an approved methodology.
Potential Source(s) of Pollutant	
Alternative Enforceable Program	
RWQCB Recommendation	Do not list
SWRCB Staff Recommendation	Exclude from list

Region 3

Mission Creek Beach

Water Body	Mission Creek Beach
Stressor/Media/Beneficial Use	Virus/water/REC1
Data quality assessment. Extent to which data quality requirements met.	No QAPP
Linkage between measurement endpoint and benefical use or standard	Linked to REC1
Utility of measure for judging if standards or uses are not attained	These water bodies are already covered by the existing 303(d) list. Bacteria and pathogen improvements recommended through TMDLs for these waters will also result in virus improvement
Water Body-specific Information	Unknown
Data used to assess water quality	Unknown
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	Not an approved methodology.
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Do not list
SWRCB Staff Recommendation	Exclude from list

Region 3

Arroyo Burro Beach

Water Body	Arroyo Burro Beach
Stressor/Media/Beneficial Use	Virus/water/REC1
Data quality assessment. Extent to which data quality requirements met.	No QAPP
Linkage between measurement endpoint and benefical use or standard	Linked to REC1
Utility of measure for judging if standards or uses are not attained	These water bodies are already covered by the existing 303(d) list. Bacteria and pathogen improvements recommended through TMDLs for these waters will also result in virus improvement
Water Body-specific Information	Unknown
Data used to assess water quality	Unknown
Spatial representation	Unknown
Temporal representation	Unknown
Data type	Unknown
Use of standard method	Not an approved methodology.
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Do not list
SWRCB Staff Recommendation	Exclude from list

Region 3

Salinas River (upper)

Water Body	Salinas River (upper)
Stressor/Media/Beneficial Use	Sodium/water/Ag and Drinking Water
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Sodium is linked to Agriculture and Drinking water BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	32 water samples, 32 samples exceeding (100%) WQO violations
Spatial representation	3 Stations
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Urban Runoff, Pasture Lands
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo Creek

Water Body	San Lorenzo Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	15 bacteria samples, 9 samples exceeding (60%) WQO violations, Station LOK 15 samples exceeding (100% violations)
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Urban Runoff, Pasture Lands and Natural Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Luis Obispo Creek at the mouth

Water Body	San Luis Obispo Creek at the mouth
Stressor/Media/Beneficial Use	Polychlorinated biphenyls (PCBs)/tissue/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology, TSMP
Linkage between measurement endpoint and benefical use or standard	PCB MTRLs linked to Fish Consumption.
Utility of measure for judging if standards or uses are not attained	CTR for MTRLs in freshwater
Water Body-specific Information	Data 1 year old, data collected at site (composite sample of 20 whole fish), species present at site, one time sample event
Data used to assess water quality	1 composite sample, 1 Sample exceeding
Spatial representation	One sample (composite of 20 fish)
Temporal representation	One time sampling event in spring
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Unknown Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List (PCBs MTRLs exceedance in fish tissue)/Watch List (not enough samples to list)
SWRCB Staff Recommendation	Watch List (not enough samples to list)

Region 3

Santa Maria River

Water Body	Santa Maria River
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	33 bacteria samples, 17 samples exceeding (52%) WQO violations
Spatial representation	Unknown
Temporal representation	3 Stations
Data type	Monthly sampling events
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture Lands, Urban Runoff, Agriculture, Natural Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Santa Maria River

Water Body	Santa Maria River
Stressor/Media/Beneficial Use	Nutrients (nitrate)/water/Drinking Water BU
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Nutrient (Nitrate) linked to Drinking water BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1 year
Data used to assess water quality	23 water samples, 23 samples exceeding (100%) WQO violations
Spatial representation	2-3 sites
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Urban Runoff, Agriculture and Pasture Lands
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Tembladero Slough

Water Body	Tembladero Slough
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	8 bacterial samples, 5 samples exceeding (63%) WQO violations
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture Lands, Urban Runoff, Agriculture, Natural Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Tesquita Slough

Water Body	Tesquita Slough
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 4-5 years
Data used to assess water quality	16 bacteria samples, 10 samples exceeding (63%) WQO violations
Spatial representation	1 station
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Nonpoint Sources and Natural Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed -Bean Creek

Water Body	San Lorenzo River Watershed -Bean Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and benefical use or standard	Geomorphological data linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data 1-3 years old, Samples collected from site, one time sample event.
Data used to assess water quality	Riffle/Run Embeddedness = 50% samples exceed at site 14a, 60% samples exceed at site 14b, 52% samples exceed at Site B-1, 50% samples exceeded at Site B-2, 60% samples exceeded at Site B-3 and 49% samples exceeded at B-4. For Fine Sediment in Riffles 45% exceeded at Site 14a, 42% samples exceeded at Site B-2 and 55% samples exceeded at Site B-3. For D50: 37mm (minimum for a reach) 24mm for site B-1, 25mm for site B-2 and 6mm for Site B-3 (Sample size is unknown in all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Improper/illegal grading of private roads and home sites, lack of vegetation around home sites, residential use, roads, quarry
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Bear Creek

Water Body	San Lorenzo River Watershed-Bear Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and benefical use or standard	Geomorphological data linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data 1-3 years old, Samples collected from site, one time sample event.
Data used to assess water quality	Riffle/Run Embeddedness = 37.5% samples exceed at site 18a, and 40% samples exceed at site 18b. (Sample size unknown in all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Improper/illegal grading of private roads and home sites, lack of vegetation around home sites, residential use, vineyards and timber
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

San Lorenzo River Watershed-Bear Creek

Water Body	San Lorenzo River Watershed-Bear Creek
Stressor/Media/Beneficial Use	Sedimentation/Siltation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data quality assurance procedures used. Assessment made of the consistency of methods used.
Linkage between measurement endpoint and benefical use or standard	Geomorphological data linked to Aquatic Life
Utility of measure for judging if standards or uses are not attained	Sedimentation can directly affect aquatic life.
Water Body-specific Information	Data 1-3 years old, Samples collected from site, one time sample event.
Data used to assess water quality	Riffle/Run Embeddedness = 40% samples exceed at Site 17a, 37.5% samples exceed at Site 17b and 45% samples exceed at Site 17c. (Sample size unknown in all cases). Data showed impacts on fish population due to sedimentation/siltation in 1998 and 1999.
Spatial representation	Zig-Zag sample design, 10 samples
Temporal representation	late spring-early summer
Data type	Numerical data
Use of standard method	Unknown
Potential Source(s) of Pollutant	Improper/illegal grading of private roads and home sites, lack of vegetation around home sites, residential use, recreation and timber
Alternative Enforceable Program	
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Bradley Canyon Creek

Water Body	Bradley Canyon Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	25 Bacteria samples, 15 samples exceeding (60% WQO violations)
Spatial representation	3 Stations
Temporal representation	Monthly sampling events, excluding the dry season.
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Pasture Lands , Urban Runoff, Storm water, Natural Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Cholame Creek

Water Body	Cholame Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	10 bacterial samples, 8 samples exceeding (80% WQO violations)
Spatial representation	1 site
Temporal representation	Monthly sampling events, excluding the dry season.
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture lands, nonpoint sources, natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Gabilan Creek

Water Body	Gabilan Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	6 bacteria samples, 6 sample exceeding (100% WQO violation)
Spatial representation	1 site
Temporal representation	Spring and winter sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Urban Runoff, Natural Sources, Nonpoint sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Llagas Creek

Water Body	Llagas Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 3-4 years
Data used to assess water quality	41 bacteria samples, 26 samples exceeding (63% WQO violations)
Spatial representation	3 Stations
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture lands, nonpoint sources, natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Llagas Creek

Water Body	Llagas Creek
Stressor/Media/Beneficial Use	Chloride/water/Drinking Water BU
Data quality assessment. Extent to which data quality requirements met.	Used South County Regional Wastewater Authority (SCRWA) QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Chloride is linked to Agriculture and Drinking water BU
Utility of measure for judging if standards or uses are not attained	Site-specific WQO exceedances
Water Body-specific Information	Data age = 2-10 years
Data used to assess water quality	78 water samples, 78 samples exceeding (100% WQO violations)
Spatial representation	4 Stations
Temporal representation	Quarterly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Nonpoint and point sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Llagas Creek

Water Body	Llagas Creek
Stressor/Media/Beneficial Use	Dissolved Oxygen/water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used SCRWA QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Dissolved Oxygen is linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-4 years
Data used to assess water quality	128 water samples, 84 samples exceeding (66% WQO violations)
Spatial representation	4 Stations
Temporal representation	Quarterly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Nonpoint and point sources, Unknown sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Llagas Creek

Water Body	Llagas Creek
Stressor/Media/Beneficial Use	Sodium/water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used SCRWA QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Sodium is linked to Agriculture, Aquatic Life and Drinking water BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-10 years
Data used to assess water quality	78 water samples, 60 sample exceeding (77%) WQO violations
Spatial representation	4 Stations
Temporal representation	Quarterly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Nonpoint and unknown sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Llagas Creek

Water Body	Llagas Creek
Stressor/Media/Beneficial Use	TDS/water/Aquatic life and Agriculture
Data quality assessment. Extent to which data quality requirements met.	Used SCRWA QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	TDS is linked to Aquatic Life and Agriculture BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-4 years
Data used to assess water quality	90 water samples, 90 sample exceeding (100% WQO violations)
Spatial representation	4 Stations
Temporal representation	Quarterly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Nonpoint and point sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Los Osos Creek

Water Body	Los Osos Creek
Stressor/Media/Beneficial Use	Dissolved Oxygen/water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Used Morro Bay National Monitoring Program (MBNMP) QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Dissolved Oxygen is linked to Aquatic Life BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 3-7
Data used to assess water quality	359 water samples, 253 samples exceeding (64% WQO violations)
Spatial representation	3 Stations
Temporal representation	Sampled during all seasons.
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Urban Runoff, Pasture Lands, Unknown Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Main Street Canal

Water Body	Main Street Canal
Stressor/Media/Beneficial Use	Nutrients (nitrate)/water/Drinking Water BU
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Nitrate linked to Drinking Water BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	10 water samples, 6 samples exceeding (60% WQO violations)
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture, Nonpoint Sources and Urban Runoff
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Nipomo Creek

Water Body	Nipomo Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	25 bacteria samples, 18 exceeding samples (72% WQO violations)
Spatial representation	2 sites
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above.
Potential Source(s) of Pollutant	Urban Runoff, Agriculture, Natural Sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Orcutt Solomon Creek

Water Body	Orcutt Solomon Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	50 bacteria samples, 31 samples exceeding (62% WQO violations)
Spatial representation	3 sites
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture lands, nonpoint sources, natural sources and Agriculture
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Olso Flaco Lake

Water Body	Olso Flaco Lake
Stressor/Media/Beneficial Use	Nutrients(Nitrate)/water/Drinking Water BU
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Unknown
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 1-2 years
Data used to assess water quality	55 water samples, 55 samples exceeding (100% WQO violations)
Spatial representation	3 Stations
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Agriculture and nonpoint sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

South Coast/Pacific Ocean @ Arroyo Quemado Beach

Water Body	South Coast/Pacific Ocean @ Arroyo Quemado Beach
Stressor/Media/Beneficial Use	Total coliform/water/Ocean Plan Shellfish Harvest, REC1
Data quality assessment. Extent to which data quality requirements met.	Used Santa Barbara County Public Health Dept. (SBCPHD) QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Total coliform Linked to Shellfish Harvest BU
Utility of measure for judging if standards or uses are not attained	Ocean Plan WQO exceedances
Water Body-specific Information	Data age = 1-5 years
Data used to assess water quality	250 bacteria samples, 213 samples exceeding (85% WQO violations)
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture Lands, Agriculture, Nonpoint and natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

South Coast/Pacific Ocean @ Arroyo Quemado Beach

Water Body	South Coast/Pacific Ocean @ Arroyo Quemado Beach
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used SBCPHD QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform is linked to REC1
Utility of measure for judging if standards or uses are not attained	Ocean Plan WQO exceedances
Water Body-specific Information	Data age = 1-5 years
Data used to assess water quality	250 bacteria samples 143 samples exceeding (57% WQO violations)
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture Lands, Agriculture, Nonpoint and natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

South Coast/Pacific Ocean @ Jalama Beach

Water Body	South Coast/Pacific Ocean @ Jalama Beach
Stressor/Media/Beneficial Use	Total coliform/water/Ocean Plan Shellfish Harvest, REC1
Data quality assessment. Extent to which data quality requirements met.	Used SBCPHD QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Total coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	Ocean Plan WQO exceedances
Water Body-specific Information	Data age = 1-5 years
Data used to assess water quality	222 bacteria samples, 118 samples exceeding (53% WQO violations)
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture Lands, Agriculture, Nonpoint and natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

South Coast/Pacific Ocean @ Jalama Beach

Water Body	South Coast/Pacific Ocean @ Jalama Beach
Stressor/Media/Beneficial Use	Fecal coliform/water/Ocean Plan Shellfish harvest, REC1
Data quality assessment. Extent to which data quality requirements met.	Used SBCPHD QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform is linked to Shellfish Harvest
Utility of measure for judging if standards or uses are not attained	Assembly Bill Beach Posting exceedances
Water Body-specific Information	Data age = 1-5 years
Data used to assess water quality	222 bacteria samples, 111 samples exceeding (50% WQO violations)
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture Lands, Agriculture, Nonpoint and natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

South Coast/Pacific Ocean @ Mission Creek (East Beach)

Water Body	South Coast/Pacific Ocean @ Mission Creek (East Beach)
Stressor/Media/Beneficial Use	Total coliform/water/Ocean Plan Shellfish Harvest, REC1
Data quality assessment. Extent to which data quality requirements met.	Used SBCPHD QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Total coliform Linked to Shellfish Harvest BU
Utility of measure for judging if standards or uses are not attained	Assembly Bill Beach Posting exceedances
Water Body-specific Information	Data age = 1-6 years
Data used to assess water quality	262 bacteria samples, 181 samples exceeding (69%) WQO violations
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Urban Runoff, Non point sources, Unknown sources, Agriculture
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

South Coast/Pacific Ocean @ Mission Creek (East Beach)

Water Body	South Coast/Pacific Ocean @ Mission Creek (East Beach)
Stressor/Media/Beneficial Use	Fecal coliform/water/Ocean Plan REC1
Data quality assessment. Extent to which data quality requirements met.	Used SBCPHD QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	Ocean Plan WQO exceedances
Water Body-specific Information	Data age = 1-6 years
Data used to assess water quality	262 bacteria samples, 160 samples exceeding (61%) WQO violations
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Urban Runoff, Agriculture, Natural Source, Non point sources and unknown sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Pajaro River

Water Body	Pajaro River
Stressor/Media/Beneficial Use	Fecal coliform/water/BP WQO
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 3-5 years
Data used to assess water quality	11 bacteria samples, 10 samples exceeding (90%) WQO violations
Spatial representation	1 site
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture lands, Agriculture, and natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Quail Creek

Water Body	Quail Creek
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	6 bacteria samples, 4 samples exceeding (63%) WQO violations
Spatial representation	1 site
Temporal representation	Spring and winter sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Pasture lands, Agriculture, and natural sources
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Region 3

Salinas Reclamation Canal

Water Body	Salinas Reclamation Canal
Stressor/Media/Beneficial Use	Fecal coliform/water/REC1
Data quality assessment. Extent to which data quality requirements met.	Used CCAMP QA/QC methodology
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform Linked to REC1 BU
Utility of measure for judging if standards or uses are not attained	BP WQO exceedances
Water Body-specific Information	Data age = 2-3 years
Data used to assess water quality	37 bacteria samples, 33 samples exceeding (89%) WQO violations
Spatial representation	3 Stations
Temporal representation	Monthly sampling events
Data type	Numerical data
Use of standard method	Yes, see data quality section above
Potential Source(s) of Pollutant	Urban runoff, Pasture Lands, Natural Sources and Agriculture
Alternative Enforceable Program	Unknown
RWQCB Recommendation	List
SWRCB Staff Recommendation	List

Reference List for Region 3

Staff Report

California Regional Water Quality Control Board. Central Coast Region. 2001. Staff Report for the Regular Meeting of October 26, 2001. Subject: Changes to 303(d) List of Impaired Water Bodies. October 4, 2001.

Contacts

Al Haynes. San Lorenzo Valley Water District

California Department of Pesticide Regulation, 1001 I Street, P.O. Box 4015, Sacramento, CA 95812-4015

Chris Berry. City of Santa Cruz Water Department

Cindy H. Wu, Environmental Health Technician, Ocean Water Monitoring Program. Santa Barbara County Public Health Dept

Don Funk. Upper Salinas-Las Tablas Resource Conservation District/Upper Salinas Watershed Coalition

Eric Kingsley, Water Quality Specialist. Monterey Bay Aquarium

Jessica Altstatt. Santa Barbara Channel Keeper

Jill Carlson. Santa Barbara County Creek Watchers

John Hunt, Research Specialist.

Nina Gill. (Masters Thesis)

Patricia A Shiffer. United States Geological Survey

Southern California Alliance of Publicly Owned Treatment Works. 30200 Rancho Viejo Rd, Suite B, San Juan Capistrano, CA 92675

U.S. Department of the Air Force.

Regional Board Documents/Data

Al Haynes. San Lorenzo Water District

Brian Troutwein, Environmental Analyst. Environmental Defense Center

Chris Berry. City of Santa Cruz Water Department

Chris Rose. RWQCB #3

Danial Reid, Project Manager. Public Health Department, Environmental Health Services

Danial Reid, Project Manager. Santa Barbara County, Public Health Department, Environmental Health Services

David Smith. United States Environmental Protection Agency

Drew Bohan, Executive Director. Santa Barbara Channel Keeper

Heal the Ocean, September 13, 2001.

James Nelson, President Board of Directors. San Lorenzo Water District

Jodi Frediani, Executive Director. Citizens for Responsible Forest Management

Kevin Collins, Board President. Lompico Watershed Conservancy

Matt Fabry. RWQCB #3

Patricia Anderson, Associate Fishery Biologist. California Department of Fish and Game

Robert N. Tasto, Supervisor. Project Review and Water Quality Program, Marine Region, Department of Fish and Game,

Sharyn Main. South Coast Watershed Alliance

Southern California Alliance of Publicly Owned Treatment Works. 30200 Rancho Viejo Rd, Suite B, San Juan Capistrano, CA 92675

Stephen F. Mack, Water Supply Manager. City of Santa Barbara

University of Southern California. University of Southern California