Regional Water Quality Control Board

LOS ANGELES REGION (4)

SECTION 303 (d) LIST PROPOSALS

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Region 4: Avalon Beach-between BB restaurant and Tuna Club Bacterial Indicators

Water Body	Avalon Beach-between BB restaurant and Tuna Club
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	42 samples, 7 samples exceeding.
Spatial representation	1 station: DHS (120) which is the same as DHS (126)99. This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	None.
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Avalon Beach-between Pier and BB restaurant (1/3)
Bacterial Indicators

Water Body	Avalon Beach-between Pier and BB restaurant (1/3)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department.
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	43 samples, 14 samples exceeding
Spatial representation	1 station: DHS118. This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Avalon Beach-between Pier and BB restaurant (2/3)
Bacterial Indicators

Water Body	Avalon Beach-between Pier and BB restaurant (2/3)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department.
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	43 sample, 10 samples exceeding.
Spatial representation	1 station: DHS(119). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Avalon Beach-between storm drain and Pier (1/3)
Bacterial Indicators

Water Body	Avalon Beach-between storm drain and Pier (1/3)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial indicator densities data/beach postings and closure are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Beach postings and closure as a result of bacterial indicator data is applicable to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	17 samples exceeding standards out of 44 samples.
Spatial representation	1 station. This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Avalon Beach-between storm drain and Pier (2/3)
Bacterial Indicators

Water Body	Avalon Beach-between storm drain and Pier (2/3)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	43 samples, 17 samples exceeding.
Spatial representation	1 station: DHS(116). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Ballona Creek
Silver

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	Silver/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Use protection.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs are not a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Ballona Creek
Trash

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	Trash/Water/Aquatic Life and REC-2
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	TMDL Completed.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the TMDLs Completed List because a TMDL has been developed for the water body-pollutant combination. The TMDL has been approved by USEPA.

Region 4: Ballona Creek
Arsenic

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	Arsenic/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and benefical use or standard	MTRLs are not linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	MTRLs do not exist for arsenic and are not applicable to Aquatic Life.
Water Body-specific Information	Data was not presented.
Data used to assess water quality	Data was not presented.
Spatial representation	Data was not presented.
Temporal representation	Data was not presented.
Data type	Data was not presented.
Use of standard method	Data was not presented.
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Delist because there is no MTRL guideline for arsenic.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because MTRL guidelines cannot be used for protection of aquatic life.

Region 4: Ballona Creek
Chem A

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	Chem A/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	QAPP
Linkage between measurement endpoint and benefical use or standard	Chem A NAS guideline is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	NAS guidelines are applicable to Aquatic Life.
Water Body-specific Information	Unknown (not mentioned).
Data used to assess water quality	Number of samples for old data is unknown and new data was not presented.
Spatial representation	Unknown: old data and new data was not presented.
Temporal representation	Unknown: old data and new data was not presented.
Data type	Unknown: old data and new data was not presented.
Use of standard method	Unknown.
Potential Source(s) of Pollutant	Unknown.
Alternative Enforceable Program	
RWQCB Recommendation	Originally recommended for delisting. Revaluation resulted in a recommendation to maintain on the list until new or alternate comparison value is available.
SWRCB Staff Recommendation	In the review of the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should not be removed from the section 303(d) list because the NAS guidelines are not outdated and remain a valid assessment tools.

Region 4: Ballona Creek
Copper

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	Copper/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Unknown.
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs are not a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Ballona Creek
Lead

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	Lead/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Use protection.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs are not a valid assessment guideline.
SWRCB Staff Recommendation	In the review of the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Ballona Creek
TBT

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	TBT/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and benefical use or standard	There is not a valid assessment guideline for TBT in sediment.
Utility of measure for judging if standards or uses are not attained	There is not a valid assessment guideline for TBT in sediment.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because there is not a valid assessment guidelines for TBT.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because there is no valid assessment guideline for TBT in sediment.

Region 4: Ballona Creek
Dissolved Lead

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	Dissolved Lead/Water/Aquatic Life (warm water and freshwater, wildlife habitat)
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Stormwater Program.
Linkage between measurement endpoint and benefical use or standard	Lead CTR criterion is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Lead CTR criterion is applicable.
Water Body-specific Information	Data is 1 - 5 years old.
Data used to assess water quality	38 water samples, 5 (13.2%) above chronic criterion.
Spatial representation	Samples collected spatially along the creek.
Temporal representation	Fall, Winter, Spring, Summer in different years.
Data type	Numerical data.
Use of standard method	Los Angeles County Stormwater Program methods.
Potential Source(s) of Pollutant	Nonpoint.
Alternative Enforceable Program	
RWQCB Recommendation	List due to 10% exceedance for dissolved lead.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season and age of the data were considered. Some of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is low.

Region 4: Ballona Creek
Dissolved Copper

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	Dissolved Copper/Water/Aquatic Life (warm water and freshwater, wildlife habitat)
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Department of Public Works
Linkage between measurement endpoint and benefical use or standard	Copper CTR criterion is linked to Aquatic life.
Utility of measure for judging if standards or uses are not attained	Copper CTR criterion is applicable.
Water Body-specific Information	Data 1-5 years old, data measured in waterbody, environmental conditions (winter, spring in different years).
Data used to assess water quality	38 water samples, 17 Sample exceeding acute criteria, 21 samples exceeding in chronic criteria.
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Fall, spring, winter, summer in different years.
Data type	Numerical data.
Use of standard method	LA County Stormwater Program methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, storm events and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Ballona Creek
Total Selenium

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	Total Selenium/Water/Aquatic Life (warm water, and wildlife habitat).
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Department of Public Works.
Linkage between measurement endpoint and benefical use or standard	Selenium CTR is linked to Aquatic life.
Utility of measure for judging if standards or uses are not attained	Selenium water quality criterion from the CTR is applicable to Aquatic Life.
Water Body-specific Information	Data 3-5 years old, data measured in waterbody, environmental conditions is winter, spring in different years was considered.
Data used to assess water quality	25 water samples, 3 samples exceeding.
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Fall, spring, summer, winter in different years.
Data type	Numerical data.
Use of standard method	Los Angeles Department of Public Works methods.
Potential Source(s) of Pollutant	Nonpoint sources (Stormwater).
Alternative Enforceable Program	
RWQCB Recommendation	List due to 10% exceedances in total selenium.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, storm events and age of the data were considered. Some of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is low.

Region 4: Ballona Creek
Dissolved Zinc

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	Dissolved Zinc/Water/Aquatic Life (warm water and freshwater, wildlife habitat)
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Department of Public Works
Linkage between measurement endpoint and benefical use or standard	Zinc CTR criterion is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	CTR criterion is applicable to Aquatic Life.
Water Body-specific Information	Data 1-5 years old, environmental data measured at site, samples collected multiple seasons.
Data used to assess water quality	39 water samples, 5 water samples exceeded.
Spatial representation	Data was collected spatially along the creek.
Temporal representation	Fall, spring, winter, summer in different years.
Data type	Numerical data.
Use of standard method	Los Angeles Department of Public Works methods.
Potential Source(s) of Pollutant	Nonpoint sources (possible sources include urban and stormwater runoff).
Alternative Enforceable Program	
RWQCB Recommendation	List due to 10% exceedance for zinc.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Ballona Creek
pH

Water Body	Ballona Creek
Stressor/Media/Beneficial Use	pH/Water/Aquatic Life (warm freshwater habitat and wildlife habitat)
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Stormwater Program
Linkage between measurement endpoint and benefical use or standard	pH WQO is linked Aquatic Life.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to Aquatic Life.
Water Body-specific Information	Data 1-5 years old, environmental data measured at site, samples collected during multiple seasons.
Data used to assess water quality	40 water samples, 5 water samples exceeding.
Spatial representation	Data was collected spatially along the creek.
Temporal representation	Fall and spring.
Data type	Numerical data.
Use of standard method	LA County Stormwater Program methods.
Potential Source(s) of Pollutant	Nonpoint sources (possible sources include urban and stormwater runoff).
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including season and age of the data were considered. An adequate amount of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Ballona Creek Estuary
Aroclor

Water Body	Ballona Creek Estuary
Stressor/Media/Beneficial Use	Aroclor/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	Aroclor MTRL not linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	MTRL is not applicable to Aquatic Life.
Water Body-specific Information	Data presented is 3-9 years old for Lead Chlordane DDE and PAH. There was no data presented for Aroclor. Data was measured in waterbody, Environmental conditions (fall, winter).
Data used to assess water quality	49 sediment samples were collected. The number Aroclor samples exceeding is unknown because data was not presented.
Spatial representation	Unknown.
Temporal representation	Fall/winter and different years.
Data type	Numerical data.
Use of standard method	BPTCP methods.
Potential Source(s) of Pollutant	Historical use of pesticides, stormwater runoff/aerial deposition from urban areas.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because it is listed for PCBs in tissue.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be listed on the 2002 section 303(d) list for Aroclor because the water body is already listed for PCBs. Aroclor is another name for polychlorinated biphenyls (PCB). This would result in a duplicate water body listing for the same pollutant.

Region 4: Ballona Creek Wetland
Arsenic

Water Body	Ballona Creek Wetland
Stressor/Media/Beneficial Use	Arsenic/Tissue/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	Arsenic MTRL is linked to Fish Consumption.
Utility of measure for judging if standards or uses are not attained	MTRL is applicable to Fish Consumption.
Water Body-specific Information	Data 6 years old, Environmental data measured at site/waterbody, Species present, one-time sample.
Data used to assess water quality	1 fish tissue sample, number exceeding samples is unknown.
Spatial representation	One sample only.
Temporal representation	One sample event.
Data type	Numerical data.
Use of standard method	TSMP methods.
Potential Source(s) of Pollutant	Unknown.
Alternative Enforceable Program	
RWQCB Recommendation	Delist there is not a MTRL guideline for arsenic.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because there are no MTRL guidelines for arsenic.

Region 4: Burbank Western Channel
Cadmium

Water Body	Burbank Western Channel
Stressor/Media/Beneficial Use	Cadmium/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Quality assurance procedures followed by the City of Burbank are appropriate. All data quality procedures were met for the samples analyzed.
Linkage between measurement endpoint and benefical use or standard	Cadmium water quality criterion in water is linked to Aquatic Life beneficial use.
Utility of measure for judging if standards or uses are not attained	Cadmium CTR water quality criterion is applicable.
Water Body-specific Information	Data age = 1 year, data was collected at the site, 15 samples were collected from summer 2001 through spring 2002.
Data used to assess water quality	15 water samples, 0 samples exceeding.
Spatial representation	2 sites.
Temporal representation	Samples were collected throughout the period from July 2001 - March 2002.
Data type	Numerical.
Use of standard method	Standard methods were used.
Potential Source(s) of Pollutant	
Alternative Enforceable Program	
RWQCB Recommendation	Maintain Listing.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concludes that the water body should remain on the section 303(d) list because there were an insufficient number of data points to determine if applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established for and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of season and age of the data were considered. An inadequate number of the water quality measurements were collected to determine if water quality standard are not exceeded. The staff confidence that standards were not exceeded is low.

Region 4: Calleguas Creek R9A, R9B, R10, R11, R12, R13 (was Conejo + Cadmium

Water Body	Calleguas Creek R9A, R9B, R10, R11, R12, R13 (was Conejo Creek R1, R2, R3, R4)
Stressor/Media/Beneficial Use	Cadmium/Tissue/COMM BU
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs are not a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Calleguas Creek R9A, R9B, R10, R11 (was Conejo Creek R1, R2 + Silver

Water Body	Calleguas Creek R9A, R9B, R10, R11 (was Conejo Creek R1, R2, R3, R4)
Stressor/Media/Beneficial Use	Silver/Tissue/COMM BU
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist EDLs are not a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Calleguas Creek R9A, R9B, R10, R11 (was Conejo Creek R1, R2 + Chromium

Water Body	Calleguas Creek R9A, R9B, R10, R11 (was Conejo Creek R1, R2, R3, R4)
Stressor/Media/Beneficial Use	Chromium/Tissue/COMM BU
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	Unknown
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs are not a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Calleguas Creek R9A, R9B, R10, R11 (was Conejo Creek R1, R2 + Nickel

Water Body	Calleguas Creek R9A, R9B, R10, R11 (was Conejo Creek R1, R2, R3, R4)
Stressor/Media/Beneficial Use	Nickel/Tissue/COMM
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	Unknown
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the listing was based on EDLs which are not a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Calleguas Creek R9A, R9B, R10, R11, R13 (was Conejo Reach R + Dacthal

Water Body	Calleguas Creek R9A, R9B, R10, R11, R13 (was Conejo Reach R1, R2, R3, R4)
Stressor/Media/Beneficial Use	Dacthal/Tissue/COMM
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to COMM.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to COMM.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs are not a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Calleguas Creek R9B (was part of Conejo Creek Reaches 1 and + Fecal Coliform

Water Body	Calleguas Creek R9B (was part of Conejo Creek Reaches 1 and 2)
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform WQO is linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to REC-1.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons for 2 years.
Data used to assess water quality	12 bacteria samples, 3 samples exceeding the 400 MPN, Geomean of 243 exceed 200 MPN.
Spatial representation	1 site.
Temporal representation	All seasons during 1998-1999.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Calleguas Creek Reach 1 (was Mugu Lagoon on the 1998 303(d) + Unknown

Water Body	Calleguas Creek Reach 1 (was Mugu Lagoon on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Unknown Pollutant/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	Sediment toxicity is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Benthic Community Index is applicable to Aquatic Life.
Water Body-specific Information	
Data used to assess water quality	While there are benthic community impacts, these impacts are conditions of a water body. A number of pollutants are listed for Calleguas Creek Reach 1. In this specific case, these pollutants (e.g., copper, nickel, and zinc) likely cause or contribute to the benthic community impact conditions observed.
Spatial representation	No data presented.
Temporal representation	No data presented.
Data type	No data presented.
Use of standard method	No data presented.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff an aerial deposition from urban and agricultural areas.
Alternative Enforceable Program	
RWQCB Recommendation	List due to benthic community degradation.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because benthic community index information was not presented as well as contributing pollutant(s) were not identified. Benthic Community is a condition of a water body and not pollutants.

Region 4: Calleguas Creek Reach 1 (was Mugu Lagoon)
Dieldrin

Water Body	Calleguas Creek Reach 1 (was Mugu Lagoon)
Stressor/Media/Beneficial Use	Dieldrin/Tissue/Aquatic life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	MTRLs are not linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	MTRLs are not applicable to Aquatic Life.
Water Body-specific Information	Data is 8 years old, data measured in the waterbody, species present, one time sample event.
Data used to assess water quality	1 tissue sample, 1 sample exceeding.
Spatial representation	Sample was collected spatially.
Temporal representation	One time sample event.
Data type	Numerical data.
Use of standard method	BPTCP methods.
Potential Source(s) of Pollutant	Historical use of pesticides, stormwater runoff, and aerial deposition from urban and agricultural area.
Alternative Enforceable Program	
RWQCB Recommendation	Exclude from listing. Listing was based on obsolete data.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because it cannot be determined if data exceeds standard. This conclusion is based on the staff findings that: 1. The data is considered to be inadequate. 2. Beneficial uses have been established and apply to the water body. 3. The evaluation guideline used to interpret narrative water quality standards is inadequate. MTRLs are not associated with protection of Aquatic Life beneficial uses. 4. Data are numerical. 5. Standard methods were used. 6. Data are numerical. 7. Standard methods were used. 8. Other water body information including the age of the data were considered. An inadequate amount of water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is extremely low.

Region 4: Calleguas Creek Reach 1 (was Mugu Lagoon)
Dacthal

Water Body	Calleguas Creek Reach 1 (was Mugu Lagoon)
Stressor/Media/Beneficial Use	Dacthal/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	Guideline for Dacthal in tissue is not available; therefore, there is not a linkage to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Guidelines for Dacthal in tissue are not available.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Historical use of pesticides, stormwater runoff, and aerial deposition from urban and agricultural area.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because there are no approved guidelines for Dacthal in tissue.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because there are no guidelines for Dacthal and tissue samples are not linked to aquatic life protection.

Region 4: Calleguas Creek Reach 10 (Conejo Creek (Hill Canyon)-was pa + Fecal Coliform

Water Body	Calleguas Creek Reach 10 (Conejo Creek (Hill Canyon)-was part of Conejo Creek Reach 2 and 3, and lower Conejo Creek/Arroyo Conejo North Fork on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform WQO is linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Basin Plan WQO numerical, exceedances in 200-400 MPN/ml are applicable to REC-1.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons.
Data used to assess water quality	24 bacterial samples, 11 samples exceeding at 400 MPN, Geomean 431 exceed 200 MPN.
Spatial representation	2 sites.
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Calleguas Creek Reach 10 (Conejo Creek (Hill Canyon)-was pa + Nitrite as Nitrogen

Water Body	Calleguas Creek Reach 10 (Conejo Creek (Hill Canyon)-was part of Conejo Creek Reach 2 and 3, and lower Conejo Creek/Arroyo Conejo North Fork on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Nitrite as Nitrogen/Water/Groundwater Recharge
Data quality assessment. Extent to which data quality requirements met.	NPDES Program and Calleguas Creek Ambient Water Quality Monitoring Program
Linkage between measurement endpoint and benefical use or standard	Nitrite as Nitrogen WQO is linked to Groundwater Recharge.
Utility of measure for judging if standards or uses are not attained	WQO exceedances of 1.0 ppm are applicable to Groundwater Recharge.
Water Body-specific Information	Data 2-5 years old, data measured at site, measured during all seasons.
Data used to assess water quality	42 water samples, 5 samples exceeding.
Spatial representation	1 site.
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	NPDES Program and Calleguas Creek Ambient Water Quality Monitoring Program methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to a greater than 10% exceedance of nitrite as nitrogen objective as stated in Basin Plan.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other site-specific information including the effects of season, and age of the data were considered. An adequate amount of the water quality measurements exceeded the water quality standard. Staff confidence that standards were exceeded is low.

Region 4: Calleguas Creek Reach 10 (Conejo Creek (Hill Canyon)-was pa + Organic Enrichment-Low Dissolved Oxygen

Water Body	Calleguas Creek Reach 10 (Conejo Creek (Hill Canyon)-was part of Conejo Creek Reach 2 and 3, and lower Conejo Creek/Arroyo Conejo North Fork on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Organic Enrichment-Low Dissolved Oxygen/Water/Aquatic Life (warm water habitat)
Data quality assessment. Extent to which data quality requirements met.	NPDES Program and Calleguas Creek Ambient Water Quality Monitoring Program
Linkage between measurement endpoint and benefical use or standard	Organic Enrichment-Low Dissolved Oxygen WQO is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	WQO for Dissolved Oxygen between 5-7 ppm is applicable to Aquatic Life.
Water Body-specific Information	Data 2-5 years old, data measured at site, measured during all seasons.
Data used to assess water quality	81 water samples, 3 samples exceeding.
Spatial representation	Unknown.
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	NPDES Program and Calleguas Creek Ambient Water Quality Monitoring Program methods.
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the Basin Plan objective for dissolved oxygen (5 - 7 ppm) was met.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, storm events, and age of the data were considered.

Region 4: Calleguas Creek Reach 10 (Conejo Creek (Hill Canyon)-was pa + Organic Enrichment-Low Dissolved Oxygen

Most of the water quality measurements did not exceed the water quality standard. The staff confidence that standards were not exceeded is high.

Region 4: Calleguas Creek Reach 10 (Conejo Creek (Hill Canyon)-was pa + Chloride

Water Body	Calleguas Creek Reach 10 (Conejo Creek (Hill Canyon)-was part of Conejo Creek Reach 2 and 3, and lower Conejo Creek/Arroyo Conejo North Fork on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Chloride/Water/Agriculture
Data quality assessment. Extent to which data quality requirements met.	NPDES report and Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	Chloride WQO is linked to Agriculture.
Utility of measure for judging if standards or uses are not attained	WQO are applicable to Agriculture.
Water Body-specific Information	Data 2-5 years old, data measured at site, measured during all seasons.
Data used to assess water quality	97 water samples, 16 samples exceeding.
Spatial representation	1 site.
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	NPDES and Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, storm events, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Calleguas Creek Reach 11 (Arroyo Santa Rosa-was part of Con + Organic Enrichment-Low Dissolved Oxygen

Water Body	Calleguas Creek Reach 11 (Arroyo Santa Rosa-was part of Conejo Creek Reach 3 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Organic Enrichment-Low Dissolved Oxygen/Water/Aquatic Life (warm water habitat)
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	Organic Enrichment-Low Dissolved Oxygen WQO is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to Aquatic Life.
Water Body-specific Information	Data 2-5 years old, data measured at site, measured during all seasons.
Data used to assess water quality	41 water samples, 0 samples exceeding.
Spatial representation	1 site.
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the Basin Plan objective for dissolved oxygen was met.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, and age of the data were considered. None of the water quality measurements exceeded the water quality standard. The staff confidence that standards were not exceeded is high.

Region 4: Calleguas Creek Reach 11 (Arroyo Santa Rosa-was part of Con + Fecal Coliform

Water Body	Calleguas Creek Reach 11 (Arroyo Santa Rosa-was part of Conejo Creek Reach 3 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform WQO is linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO exceeding 200-400 MPN/ml is applicable.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons.
Data used to assess water quality	12 water samples, Geomean of 393 exceeds 200 MPN, 6 samples exceeding the 400 MPN.
Spatial representation	1 site.
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 7. Standard methods were used. 8. Other water body information including the effects season, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Calleguas Creek Reach 12 (was Conejo Creek/Arroyo Conejo No + Organic Enrichment-Low Dissolved Oxygen

Water Body	Calleguas Creek Reach 12 (was Conejo Creek/Arroyo Conejo North Fork on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Organic Enrichment-Low Dissolved Oxygen/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	NPDES monitoring.
Linkage between measurement endpoint and benefical use or standard	Organic Enrichment-Low Dissolved Oxygen WQO is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	WQO are applicable to Aquatic Life.
Water Body-specific Information	Date = 2 - 5 years old, collected at site(s) during all seasons for 3 years.
Data used to assess water quality	83 water samples, 5 (6%) samples exceeding.
Spatial representation	One site.
Temporal representation	Collected from 7/1997 - 12/2000, throughout the 3 years
Data type	Numerical data.
Use of standard method	NPDES and TMDL methods.
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because there was not enough samples exceeding the Dissolved Oxygen WQO.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. An adequate number of the water quality measurements did not exceeded the water quality standard. The staff confidence that standards were not exceeded is high.

Region 4: Calleguas Creek Reach 13 - Conejo Creek (South Fork)-was Co + Chloride

Water Body	Calleguas Creek Reach 13 - Conejo Creek (South Fork)-was Conejo Creek Reach 4 and part of Reach 3 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Chloride/Water/ Agriculture
Data quality assessment. Extent to which data quality requirements met.	NPDES Reports.
Linkage between measurement endpoint and benefical use or standard	Chloride WQO is linked to Agriculture.
Utility of measure for judging if standards or uses are not attained	WQO exceedances of 150 mg/L is applicable.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons.
Data used to assess water quality	19 water samples, 17 samples exceeding.
Spatial representation	2 sites.
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	NPDES methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedances in the WQO for Chloride.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, and age of the data were considered. Most of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Calleguas Creek Reach 13 - Conejo Creek (South Fork)-was Co + Organic Enrichment-Low Dissolved Oxygen

Water Body	Calleguas Creek Reach 13 - Conejo Creek (South Fork)-was Conejo Creek Reach 4 and part of Reach 3 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Organic Enrichment-Low Dissolved Oxygen/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	NPDES.
Linkage between measurement endpoint and benefical use or standard	Organic Enrichment-Low Dissolved Oxygen WQO is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to Aquatic Life.
Water Body-specific Information	Data = 2 - 5 years old, collected at site, sampled all seasons.
Data used to assess water quality	83 water samples, 5 samples exceeding.
Spatial representation	Unknown.
Temporal representation	Samples were collected 7/1997 -1 2/2000.
Data type	Numerical data.
Use of standard method	NPDES and TMDL methods.
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because there are not enough samples exceeding the water quality objective for dissolved oxygen.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard were used. 7. Other water body information including the effects of season and age of the data were considered. An adequate number of the water quality measurements did not exceeded the water quality standard. The staff confidence that standards were not exceeded is high.

Region 4: Calleguas Creek Reach 2 (area affected is at the mouth) Fecal Coliform

Water Body	Calleguas Creek Reach 2 (area affected is at the mouth)
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study.
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform WQO is linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Numerical WQO is applicable to REC-1.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons.
Data used to assess water quality	34 bacterial samples, Geomean of 934 exceeds 200 MPN standard, 24 samples exceeding at 400 MPN.
Spatial representation	3 sites.
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, storm events, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Calleguas Creek Reach 2 (estuary to Potrero Road-was Calleg + Dissolved Copper

Water Body	Calleguas Creek Reach 2 (estuary to Potrero Road-was Calleguas Creek Reaches 1 and 2 on 1998 303(d) list)
Stressor/Media/Beneficial Use	Dissolved Copper/Water Column/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study.
Linkage between measurement endpoint and benefical use or standard	Dissolved copper CTR (saltwater) criterion is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Dissolved Copper CTRs acute and chronic criteria is applicable to Aquatic Life.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons.
Data used to assess water quality	11 water samples, 7 samples exceeding for 4 days and 3 sample exceeding for 1 hour salt water standard.
Spatial representation	3 sites.
Temporal representation	Summer/fall/winter of 1998 and 1999.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded for acute and chronic salt water CTR criteria and the pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Calleguas Creek Reach 2 (estuary to Potrero Road-was Calleg + DDT

Water Body	Calleguas Creek Reach 2 (estuary to Potrero Road-was Calleguas Creek Reaches 1 and 2 on 1998 303(d) list)
Stressor/Media/Beneficial Use	DDT/Water Column/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	DDT chronic water quality criterion in the CTR is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Chronic water quality criterion for DDT in the water column is applicable to Aquatic Life.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons.
Data used to assess water quality	11 water samples, 7 samples exceeding.
Spatial representation	3 sites.
Temporal representation	Summer/fall/winter/spring in 1998 and 1999.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Calleguas Creek Reach 2 (estuary to Potrero Road-was Calleg + Chem A

Water Body	Calleguas Creek Reach 2 (estuary to Potrero Road-was Calleguas Creek Reaches 1 and 2 on 1998 303(d) list)
Stressor/Media/Beneficial Use	Chem A/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	Chemical Tissue concentration based on NAS guidelines are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	NAS guidelines are applicable to Aquatic Life.
Water Body-specific Information	Data for Chem Group A was not presented.
Data used to assess water quality	Data for Chem Group A was not presented.
Spatial representation	Data for Chem Group A was not presented.
Temporal representation	Unknown.
Data type	Numerical data.
Use of standard method	Data for Chem Group A was not presented.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Originally recommended for delisting. Reevaluation resulted in a recommendation to maintain on the list because NAS guidelines are still useful for aquatic life protection. This guideline should continue to be used until an alternative value is available.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should not be removed from the section 303(d) list because the NAS guidelines are not outdated and remain a valid assessment tools.

Region 4: Calleguas Creek Reach 2 (estuary to Potrero Road-was Calleg + Toxicity

Water Body	Calleguas Creek Reach 2 (estuary to Potrero Road-was Calleguas Creek Reaches 1 and 2 on 1998 303(d) list)
Stressor/Media/Beneficial Use	Toxicity/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	Water Column Toxicity is linked to Aquatic Life. There was no toxicity recorded and a stressor was not identified.
Utility of measure for judging if standards or uses are not attained	Water Column Toxicity is applicable to Aquatic Life. There was no toxicity recorded and a stressor was not identified.
Water Body-specific Information	Data 3-4 years old, data measured at site, during summer of 1998 and 1999.
Data used to assess water quality	6 water samples, 0 mortality for toxicity test and 0 reproductive effects and/or growth inhibition.
Spatial representation	One site.
Temporal representation	Summer 1998 and 1999.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because results from testing one site downstream of Camrosa WWTP for chronic water column toxicity using fathead minnow and Ceriodaphnia exhibited no toxicity.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 7. Standard toxicity methods were used. 8. Other water body information including season and the age of the data were considered. None of the water quality measurements exceeded the narrative objective. The staff confidence that the water quality objective were not exceeded is high.

Region 4: Calleguas Creek Reach 3 (Potrero Road upstream to confluenc + Chloride

Water Body	Calleguas Creek Reach 3 (Potrero Road upstream to confluence with Conejo Creek on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Chloride/Water/Ground Water Recharge and Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	USEPA has approved a TMDL for this water body-pollutant combination.
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	None.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the TMDLs Completed List because a plan to implement the TMDL has not been adopted or approved even though the TMDL has been approved by USEPA.

Region 4: Calleguas Creek Reach 4 (was Revolon Slough Main Branch: M + Nitrate as Nitrate

Water Body	Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Nitrate as Nitrate/Water/Groundwater Recharge
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	Nitrate as Nitrate WQO is linked to Groundwater Recharge.
Utility of measure for judging if standards or uses are not attained	WQO is applicable Groundwater Recharge.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons.
Data used to assess water quality	43 water samples, 38 samples exceeding.
Spatial representation	3 sites.
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season and age of the data were considered. Most of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Calleguas Creek Reach 4 (was Revolon Slough Main Branch: M + Dacthal

Water Body	Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Dacthal/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	Dacthal measurements in sediment are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Approved Dacthal sediment guidelines do not exist.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	No data presented.
Data type	No data presented.
Use of standard method	N/A
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because there are no valid approved guidelines for Dacthal.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because approved valid guideline for Dacthal in sediment do not exist.

Region 4: Calleguas Creek Reach 4 (was Revolon Slough Main Branch: M + Chloride

Water Body	Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Chloride/Water/Agriculture and Groundwater Recharge.
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	There are no water body specific objective applicable for this constituent.
Utility of measure for judging if standards or uses are not attained	There are no water body specific objective applicable for this constituent.
Water Body-specific Information	Data 3-5 years old, data measured at site, measured during all seasons.
Data used to assess water quality	15 water samples, however there is no water body specific objective applicable for this constituent to assess exceedances.
Spatial representation	3 sites.
Temporal representation	Summer/fall/winter/spring of 1997-1999.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	Calleguas Creek Chloride TMDL 2001.
RWQCB Recommendation	Do not list. There is no water body-specific objective available for this constituent.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because there is not a water body specific objective for chloride in the Basin Plan.

Region 4: Calleguas Creek Reach 4 (was Revolon Slough Main Branch: M + Chem A

Water Body	Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Chem A/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	Chem A NAS guidelines in tissue are Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Chem A NAS guidelines are applicable to Aquatic Life.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Originally recommended for delisting because listing was based on NAS outdated guidelines. Reevaluation resulted in a recommendation to maintain on list because Chem A group are not outdated and are still valid guidelines set by NAS to protect aquatic life.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should not be removed from the section 303(d) list because the NAS guidelines are not outdated and remain a valid assessment tools. This guideline should continue to be used until an alternative value is available.

Region 4: Calleguas Creek Reach 4 (was Revolon Slough Main Branch: M + TDS

Water Body	Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue on the 1998 303(d) list)
Stressor/Media/Beneficial Use	TDS/Water/There is no water body specific WQO.
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	There is no water body specific objective available for this constituent.
Utility of measure for judging if standards or uses are not attained	There is no water body specific objective available for this constituent.
Water Body-specific Information	Data 3-5 years old, data measured at site, measured during all seasons.
Data used to assess water quality	15 water sample, however there is no water body specific objective available for this constituent to assess exceedances.
Spatial representation	3 sites.
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	Do not list. There is no water body-specific objective available for this constituent.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because there is not a water body specific objective for TDS in the Basin Plan.

Region 4: Calleguas Creek Reach 4 (was Revolon Slough Main Branch: M + Sulfate

Water Body	Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Sulfate/Water/There is no water body specific WQO.
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	There is no water body specific objective available for this constituent.
Utility of measure for judging if standards or uses are not attained	There is no water body specific objective available for this constituent.
Water Body-specific Information	Data 3-5 years old, data measured at site, measured during all seasons.
Data used to assess water quality	15 water samples, however there is no water body specific quality objective for this constituent to assess exceedances.
Spatial representation	3 sites.
Temporal representation	Samples were collected from summer 98 through summer 99.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	Do not list. There is no water body-specific objective available for this constituent.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because there is not a water body specific objective for chloride in the Basin Plan.

Region 4: Calleguas Creek Reach 4 (was Revolon Slough Main Branch: M + Fecal Coliform

Water Body	Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform WQO is linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Numerical WQO is applicable to REC-1.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons.
Data used to assess water quality	12 bacteria samples, 6 samples exceeding 400 MPN.
Spatial representation	1 site.
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Point and nonpoint.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Calleguas Creek Reach 4 (was Revolon Slough Main Branch: M + Boron

Water Body	Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Boron/Water/There is no water body specific WQO.
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	There is no water body specific objective applicable for this constituent.
Utility of measure for judging if standards or uses are not attained	There is no water body specific objective applicable for this constituent.
Water Body-specific Information	Data 3-4 years old, data measured at site measured during all seasons.
Data used to assess water quality	13 water samples, however there is no water body specific objective applicable for this constituent to assess for exceedances.
Spatial representation	2 sites.
Temporal representation	Summer/fall/winter/spring of 98-99.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	Do not list. There is no water body specific objective available for this constituent.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because there is not a water body specific objective for Boron in the Basin Plan.

Region 4: Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mu + Dacthal

Water Body	Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue)
Stressor/Media/Beneficial Use	Dacthal/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	Data 5-8 years old, sample taken at site, species present, sample taken from summer during 2 years.
Data used to assess water quality	2 tissue samples, 2 samples exceeding.
Spatial representation	Samples were collected spatially.
Temporal representation	Summer 1994 and 1997.
Data type	Numerical data.
Use of standard method	TSMP Data
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs are not a valid assessment guideline.
SWRCB Staff Recommendation	This constituent cannot be removed from the 1998 section 303(d) list because dacthal was not listed for tissue. The 1998 listing was for sediment concentrations of dacthal.

Region 4: Calleguas Creek Reach 6 (was Arroyo Las Posas Reaches 1 and + Nitrate as Nitrate (NO3)

Water Body	Calleguas Creek Reach 6 (was Arroyo Las Posas Reaches 1 and 2 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Nitrate as Nitrate (NO3)/Water/Groundwater Recharge
Data quality assessment. Extent to which data quality requirements met.	NPDES Reports
Linkage between measurement endpoint and benefical use or standard	Nitrate as Nitrate (NO3) WQO is linked to Groundwater Recharge.
Utility of measure for judging if standards or uses are not attained	WQO are applicable to Groundwater Recharge.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons.
Data used to assess water quality	12 water samples, 8 sample exceeding.
Spatial representation	1 site.
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	NPDES methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Calleguas Creek Reach 6 (was Arroyo Las Posas Reaches 1 and + Fecal Coliform

Water Body	Calleguas Creek Reach 6 (was Arroyo Las Posas Reaches 1 and 2 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC-1.
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform WQOs is linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQOs are applicable to REC-1.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons.
Data used to assess water quality	12 bacterial samples, 4 samples exceeding, Geomean of 557 exceed 200 MPN and 4 samples exceed 400 MPN.
Spatial representation	1 site.
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Calleguas Creek Reach 7 (was Arroyo Simi Reach 1 and 2 on t + Selenium

Water Body	Calleguas Creek Reach 7 (was Arroyo Simi Reach 1 and 2 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Selenium/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs are no longer a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Calleguas Creek Reach 7 (was Arroyo Simi Reach 1 and 2 on t + Organophosphates

Water Body	Calleguas Creek Reach 7 (was Arroyo Simi Reach 1 and 2 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Organophosphates/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	Toxicity, chemistry and TIE/Diazinon and Ammonia are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Based on a toxicity, chemistry and TIE which are applicable to Aquatic Life.
Water Body-specific Information	Age of data 4 years, collected at site.
Data used to assess water quality	22 water sample, 1998-99 toxicity was documented. Subsequent chemistry and TIEs identified ammonia, chlorpyrifos and diazinon.
Spatial representation	Site 1 (8 samples, 2 species) upstream from POTW, Site 3 (8 samples, 2 species) downstream from POTW at Hwy 118, Site 2 (6 samples, 2 species) immediately downstream from POTW.
Temporal representation	Monthly sampling from 8/1998 to 6/1999.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Agriculture, POTWs, Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List because water column toxicity which affects aquatic life beneficial use.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and the pollutants identified in the TIE contribute to or cause the problem.

Region 4: Calleguas Creek Reach 7 (was Arroyo Simi Reach 1 and 2 on t + Nickel

Water Body	Calleguas Creek Reach 7 (was Arroyo Simi Reach 1 and 2 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Nickel/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs are no longer a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on + Zinc

Water Body	Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Zinc/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	Data 4-9 years old, Environmental data measured at site/waterbody, species/indicators present.
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs are no longer a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on + Chromium

Water Body	Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Chromium/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	TSMP methods.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs are no longer a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on + Silver

Water Body	Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Silver/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	Data was not presented.
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs is no longer a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on + Fecal Coliform

Water Body	Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform WQO is linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to REC-1.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons.
Data used to assess water quality	24 bacteria samples, 17 samples exceeding the 400 MPN standard, Geomean of 909 exceed 200 MPN.
Spatial representation	2 sites.
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Calleguas Creek Reach 9A (was lower part of Conejo Creek R + Toxicity

Water Body	Calleguas Creek Reach 9A (was lower part of Conejo Creek Reach 1 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Toxicity/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	Water column toxicity is linked to aquatic life however the stressor is not considered a pollutant.
Utility of measure for judging if standards or uses are not attained	Water Column toxicity is applicable to aquatic life but stressor is not a pollutant.
Water Body-specific Information	Data 2-5 years old, data measured at site, during all seasons from 1997 to 2000.
Data used to assess water quality	32 water samples, number of samples exceeding the standard is low.
Spatial representation	Three sampling sites, two of which overlapped on three sample dates.
Temporal representation	All seasons from August 1997 to August 2000.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	POTWs and Agricultural Use.
Alternative Enforceable Program	
RWQCB Recommendation	Delist.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded and the pollutant(s) potentially causing the toxicity were not identified. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Other water body- or site-specific information including the effects of natural sources, season, and age of the data were considered. Most of toxicity tests did not exceed the water quality standard. Staff confidence that standards were not exceeded is moderate.

Region 4: Calleguas Creek Reach 9A (was lower part of Conejo Creek Re + Organic Enrichment-Low Dissolved Oxygen

Water Body	Calleguas Creek Reach 9A (was lower part of Conejo Creek Reach 1 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Organic Enrichment-Low Dissolved Oxygen/Water/Aquatic Life.
Data quality assessment. Extent to which data quality requirements met.	NPDES Monitoring
Linkage between measurement endpoint and benefical use or standard	Organic Enrichment-Low Dissolved Oxygen WQO are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to Aquatic Life.
Water Body-specific Information	Data 1-5 years old, data measured at site, measured during all seasons.
Data used to assess water quality	111 water samples, 6 sample exceeding.
Spatial representation	2 sites.
Temporal representation	Summer/fall/winter/spring (1997-2000).
Data type	Numerical data.
Use of standard method	NPDES Monitoring metadata was used.
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the WQO for dissolved oxygen was met.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, and age of the data were considered. Most of the water quality measurements did not exceed the water quality standard. The staff confidence that standards were not exceeded is high.

Region 4: Calleguas Creek Reach 9A (was lower part of Conejo Creek Re + Nitrite as Nitrogen

Water Body	Calleguas Creek Reach 9A (was lower part of Conejo Creek Reach 1 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Nitrite as Nitrogen/Water/Groundwater Recharge
Data quality assessment. Extent to which data quality requirements met.	NPDES Report.
Linkage between measurement endpoint and benefical use or standard	Nitrite as Nitrogen WQO is linked to Groundwater Recharge.
Utility of measure for judging if standards or uses are not attained	WQOs are applicable to Groundwater Recharge.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons.
Data used to assess water quality	110 water samples, 18 samples exceeding.
Spatial representation	1 site only (Conejo Creek).
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	Currently in a TMDL.
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Calleguas Creek Reach 9A (was lower part of Conejo Creek Re + Nitrate as Nitrate (NO3)

Water Body	Calleguas Creek Reach 9A (was lower part of Conejo Creek Reach 1 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Nitrate as Nitrate (NO3)/Water/Groundwater Recharge
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	Nitrate as Nitrate (NO3) WQOs are linked to Groundwater Recharge.
Utility of measure for judging if standards or uses are not attained	WQOs are applicable to Groundwater Recharge.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons.
Data used to assess water quality	12 water samples, 6 samples exceeding.
Spatial representation	1 site only (Conejo Creek).
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	Currently in a TMDL.
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Calleguas Creek Reach 9A (was lower part of Conejo Creek Re + Nitrate as Nitrogen

Water Body	Calleguas Creek Reach 9A (was lower part of Conejo Creek Reach 1 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Nitrate as Nitrogen/Water/Groundwater Recharge
Data quality assessment. Extent to which data quality requirements met.	NPDES Reports
Linkage between measurement endpoint and benefical use or standard	Nitrate as Nitrogen WQO is linked to Groundwater Recharge.
Utility of measure for judging if standards or uses are not attained	WQOs are applicable to Groundwater Recharge.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons.
Data used to assess water quality	111 water samples, 15 sample exceeding.
Spatial representation	1 site only (Conejo Creek).
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Calleguas Creek Reach 9A (was lower part of Conejo Creek Re + Fecal Coliform

Water Body	Calleguas Creek Reach 9A (was lower part of Conejo Creek Reach 1 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform WQO is linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to REC-1.
Water Body-specific Information	Data 3-4 years old, data measured at site, measured during all seasons.
Data used to assess water quality	12 bacteria samples, 5 samples exceeding sample exceed 400 MPN and the Geomean of 206 exceeds 200.
Spatial representation	1 site (small Reach).
Temporal representation	Summer/fall/winter/spring.
Data type	Numerical data.
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects season, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Calleguas Creek Reach 9A - Conejo Creek (South Fork)-was Co + Dieldrin

Water Body	Calleguas Creek Reach 9A - Conejo Creek (South Fork)-was Conejo Creek Reach 4 and part of Reach 3 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Dieldrin/Tissue/COMM
Data quality assessment. Extent to which data quality requirements met.	TSMP-QAPP
Linkage between measurement endpoint and benefical use or standard	Dieldrin MTRLs are linked to COMM.
Utility of measure for judging if standards or uses are not attained	MTRLs are applicable to COMM.
Water Body-specific Information	Data 4 years old, measured at site, species present, one-time sampling.
Data used to assess water quality	2 tissue samples, 2 samples exceeding.
Spatial representation	Sample was collected spatially.
Temporal representation	One-time sample.
Data type	Numerical data.
Use of standard method	TSMP methods.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedances of MTRLs.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and insufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Water body information including the age of the data were considered. All of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Calleguas Creek Reach 9A - Conejo Creek (South Fork)-was Co + PCBs

Water Body	Calleguas Creek Reach 9A - Conejo Creek (South Fork)-was Conejo Creek Reach 4 and part of Reach 3 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	PCBs/Tissue/COMM
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	PCB MTRLs are linked to COMM.
Utility of measure for judging if standards or uses are not attained	MTRLs are applicable to COMM.
Water Body-specific Information	Data 4 years old, measured at site, one-time sampling.
Data used to assess water quality	2 composite tissue samples, 2 samples exceeding.
Spatial representation	Sample were collected spatially.
Temporal representation	One-time sample.
Data type	Numerical data.
Use of standard method	TSMP methods.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedances of MTRLs.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and insufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Water body information including the age of the data were considered. All of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Calleguas Creek Reach 9A - Conejo Creek (South Fork)-was Co + Chlordane

Water Body	Calleguas Creek Reach 9A - Conejo Creek (South Fork)-was Conejo Creek Reach 4 and part of Reach 3 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Chlordane/Tissue/COMM.
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	Chlordane MTRLs are linked to COMM
Utility of measure for judging if standards or uses are not attained	MTRLs are applicable to COMM.
Water Body-specific Information	Data 4 years old, measured at site, species present, one-time sampling.
Data used to assess water quality	2 tissue samples, 2 samples exceeding.
Spatial representation	Sample was collected spatially.
Temporal representation	One-time sample.
Data type	Numerical data.
Use of standard method	TSMP methods.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedances of MTRLs.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and insufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Water body information including the age of the data were considered. All of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Calleguas Creek Reach 9A - Conejo Creek (South Fork)-was Co + Hexachlorocyclohexane

Water Body	Calleguas Creek Reach 9A - Conejo Creek (South Fork)-was Conejo Creek Reach 4 and part of Reach 3 on the 1998 303(d) list)
Stressor/Media/Beneficial Use	Hexachlorocyclohexane/Tissue/COMM
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	Hexachlorocyclohexane MTRLs are linked to COMM.
Utility of measure for judging if standards or uses are not attained	MTRLs are applicable to COMM.
Water Body-specific Information	Data 4 years old, measured at site, species present, one-time sampling.
Data used to assess water quality	2 tissue samples, 2 samples exceeding.
Spatial representation	Sample was collected spatially.
Temporal representation	One-time sample.
Data type	Numerical data.
Use of standard method	TSMP methods.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedances of MTRLs.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and insufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Water body information including the age of the data were considered. All of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Calleguas Creek Reach 9B (was part of Conejo Creek Reaches + Organic Enrichment-Low Dissolved Oxygen

Water Body	Calleguas Creek Reach 9B (was part of Conejo Creek Reaches 1 and 2)
Stressor/Media/Beneficial Use	Organic Enrichment-Low Dissolved Oxygen/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	NPDES Monitoring QA/QC
Linkage between measurement endpoint and benefical use or standard	Organic Enrichment-Low Dissolved Oxygen WQO are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to Aquatic Life.
Water Body-specific Information	Data 2 to 5 years old.
Data used to assess water quality	83 samples, 5 samples (6%) less than 5 mg/L.
Spatial representation	One site.
Temporal representation	Sampling all seasons from 7/1997 to 11/2/2000.
Data type	TMDL monitoring methods.
Use of standard method	NPDES methods.
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of natural sources, season, storm events and age of the data were considered. An inadequate number of the water quality measurements exceeded the water quality standard. Staff confidence that standards are not exceeded high.

Region 4: Calleguas Creek Reach 9B (was part of Conejo Creek Reaches + Unnatural Foam and Scum

Water Body	Calleguas Creek Reach 9B (was part of Conejo Creek Reaches 1 and 2)
Stressor/Media/Beneficial Use	Unnatural Foam and Scum/Water/REC-1, REC-2 and Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study and DFG
Linkage between measurement endpoint and benefical use or standard	Unnatural Foam and Scum is linked to REC-2 , however listing is based on photograph documentation.
Utility of measure for judging if standards or uses are not attained	Use of measure is limited (based on photographs).
Water Body-specific Information	Narrative information including photographs. Water samples were not collected.
Data used to assess water quality	One photograph.
Spatial representation	One photograph.
Temporal representation	21-Apr-01.
Data type	Non numerical information (One Photograph).
Use of standard method	Calleguas Creek Characterization Study methods.
Potential Source(s) of Pollutant	Agriculture and Natural sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to non-attainment of the narrative objective for floating and settleable materials objective in the Basin Plan.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the Monitoring List because the data are inadequate to determine if a pollutant contributes or causes any standards exceedance. The cause of the foam and scum may be nutrient enrichment but such pollutants have not been identified. This conclusion is based on the staff findings that: 1. The data exhibited insufficient spatial and temporal coverage. 2. The evaluation guideline used to interpret narrative water quality standards is inadequate. 3. Data are not numerical, based on one photograph. 4. Non-standard methods were used. 5. No water quality measurements were submitted. Staff confidence that standards were exceeded is extremely low.

Region 4: Calleguas Creek Watershed (Reaches 1-8, 11)
Sedimentation

Water Body	Calleguas Creek Watershed (Reaches 1-8, 11)
Stressor/Media/Beneficial Use	Sedimentation/Sediment/Aquatic Life.
Data quality assessment. Extent to which data quality requirements met.	Calleguas Creek Characterization Study/DFG Bioassessment.
Linkage between measurement endpoint and benefical use or standard	Macroinvertebrate and Bioassessment are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	DFG guidelines for macroinvertebrate and bioassessment are applicable to Aquatic Life.
Water Body-specific Information	Data 3-8 years old, data measured at site, species present.
Data used to assess water quality	Bioassessment.
Spatial representation	Some sites listed.
Temporal representation	Unknown.
Data type	Non-numerical data.
Use of standard method	DFG methods.
Potential Source(s) of Pollutant	Agriculture and natural sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to excessive sedimentation.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because sedimentation contributes to or causes the problem. Listing was based on a 1998 DFG bioassessment report. This conclusion is based on the staff findings that: 1. The information provided in the report is considered adequate. 2. Beneficial uses apply to the water body. 3. The bioassessment evaluation guideline used to interpret narrative water quality standards is adequate. 4. Data are not numerical. 5. Standard bioassessment methods were used. 6. Other site-specific information including the effects of natural sources, season, storm events, and age of the data were considered. An adequate amount of biological measurements exceeded the bioassessment guidelines. Staff confidence that standards were exceeded is moderate.

Region 4: Canada Larga
Fecal Coliform

Water Body	Canada Larga
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	Unknown.
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform WQO is linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to REC-1.
Water Body-specific Information	Data is 1-3 year old, data measured in the waterbody, samples collected different in seasons and years.
Data used to assess water quality	Fecal Coliform (9 bacteria samples, 1 sample exceeding), E. coli (10 bacteria samples, 3 samples exceeding), Combined (19 bacteria samples, 4 samples exceeding).
Spatial representation	Unknown.
Temporal representation	Different seasons and years.
Data type	Numerical data.
Use of standard method	Unknown.
Potential Source(s) of Pollutant	Horse stables, land use, cattle, wildlife.
Alternative Enforceable Program	
RWQCB Recommendation	List due to greater than 10% exceedance of the fecal coliform objective.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Canada Larga
Dissolved Oxygen

Water Body	Canada Larga
Stressor/Media/Beneficial Use	Dissolved Oxygen/Water/Aquatic Life (warm-cold water and wildlife habitat, spawning, reproduction and migration)
Data quality assessment. Extent to which data quality requirements met.	Ojai Valley River Volunteer Monitoring Program.
Linkage between measurement endpoint and benefical use or standard	Dissolved Oxygen WQO is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	WQO exceedance below 5 mg/L for Dissolved Oxygen is applicable to Aquatic Life.
Water Body-specific Information	Data is 1-3 year old, data measured in the waterbody, samples collected different in seasons and years.
Data used to assess water quality	21 water samples, 5 samples exceeding.
Spatial representation	2 stations.
Temporal representation	Collected during all seasons.
Data type	Numerical data.
Use of standard method	Ojai Valley River Volunteer Monitoring Program methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to greater than 10% exceedance of the instantaneous dissolved oxygen objective.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Castlerock Beach
Bacterial Indicators

Water Body	Castlerock Beach
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards which is applicable to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	17 samples, 13 samples exceeding.
Spatial representation	1 station: ID99999. This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Channel Islands Harbor - Beach Park at the end of Rocks Bacterial Indicators

Water Body	Channel Islands Harbor - Beach Park at the end of Rocks
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards which are applicable to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	33 samples, 2 samples exceeding.
Spatial representation	1 station: VC(37000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	Do not list.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because applicable water quality standards are exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An inadequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were not exceeded is high.

Region 4: Channel Islands Harbor-Beach Park at S. end of Victoria Ave + Bacterial Indicators

Water Body	Channel Islands Harbor-Beach Park at S. end of Victoria Avenue
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	99 samples, 54 samples exceeding.
Spatial representation	1 station: VC(37000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Cold Creek
Algae

Water Body	Cold Creek
Stressor/Media/Beneficial Use	Algae/Water/REC-1 and REC-2, Aquatic Life (spawning, rare and endangered species, warm and cold, wildlife freshwater habitat)
Data quality assessment. Extent to which data quality requirements met.	QA/QC unknown data generated by Heal the Bay monitoring program.
Linkage between measurement endpoint and benefical use or standard	Excessive Algae growth is linked to REC-1 and REC-2, however Aquatic Life linkage is not clear.
Utility of measure for judging if standards or uses are not attained	New Zealand Periphyton Guideline (Biggs, 2000) applicability uncertain.
Water Body-specific Information	Data 1-4 years old, data measured at site, species present, measured during fall and spring in 2 years.
Data used to assess water quality	43 samples, 8 samples exceed the 30% algae cover based on Biggs, New Zealand Periphyton Guideline (2000). No pollutant was identified.
Spatial representation	2 sites.
Temporal representation	Fall and spring in two years.
Data type	Numerical data.
Use of standard method	Heal the Bay (Citizens Monitoring) methods.
Potential Source(s) of Pollutant	Nonpoint sources from septic tanks and livestock.
Alternative Enforceable Program	
RWQCB Recommendation	List due to observations of excessive algal growth-greater than 30% coverage, based on Biggs (2000).
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the Monitoring List. The Basin Plan Water Quality Objective for floating material may be exceeded but habitat features or the biostimulatory substance contributing or causing such algae growth has not been identified. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality for REC-2 impact determinations. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Non-standard methods were used. 8. Other water body- or site-specific information including the age of the data were considered.

Region 4: Cold Creek
Algae

An adequate number of algae coverage measurements exceed the REC-2 Basin Plan Water Quality Objective for Floating Materials. The staff confidence that standards were exceeded is moderate. However, the pollutant causing the algae growth has not been identified.

Region 4: Colorado Lagoon
Lead

Water Body	Colorado Lagoon
Stressor/Media/Beneficial Use	Lead/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Not applicable
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	Unknown.
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because listing was based on EDLs which not a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret water quality standards.

Region 4: Compton Creek
Trash

Water Body	Compton Creek
Stressor/Media/Beneficial Use	Trash/Water/REC-1, REC-2 , and Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Quality assurance information was not provided.
Linkage between measurement endpoint and benefical use or standard	Trash is linked to REC-1, REC-2 and Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Photographs can indicate gross impacts on beneficial uses and whether standards have been exceeded. Measurements of the amount of trash collected can provide a relative measure of the potential for nuisance.
Water Body-specific Information	Photographs of the condition on the Creek were provided. The photographs were taken at the Creek on 9/21/2002, three weeks after the creek channel was cleaned out by heavy equipment for flood control purposes. Data on the collection of trash and debris were was also submitted.
Data used to assess water quality	1650 pounds of trash and debris were collected from volunteers over a 4 hour period in 2002. After the cleanup of the small section of the Creek, trash was still present that could have affected habitat and impeded flows.
Spatial representation	Along 75 yards of the Creek.
Temporal representation	One 4 hour period in 2002.
Data type	Numerical and Non-numerical.
Use of standard method	Unknown
Potential Source(s) of Pollutant	Probably storm water discharge.
Alternative Enforceable Program	
RWQCB Recommendation	No recommendation was made by the RWQCB.
SWRCB Staff Recommendation	In the review of the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the Monitoring List because the data are inadequate to determine whether applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of unknown quality. 2. The data exhibited insufficient spatial and temporal coverage. An inadequate amount of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is low.

Region 4: Coyote Creek
Ammonia

Water Body	Coyote Creek
Stressor/Media/Beneficial Use	Ammonia/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	There was no new data assessed for this water body-pollution combination.
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	No new data were submitted which indicates that water quality standards are met.
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Point sources
Alternative Enforceable Program	An alternative enforceable program is in place that will address ammonia water quality standards exceedances for this Reach. In June 1995, the seven water reclamation plants discharging in the San Gabriel River and Santa Clara River watersheds received NPDES permits containing requirements regarding compliance with the Basin Plan water quality objectives for ammonia. In accordance with these permits, the Los Angeles County Sanitation Districts have been pursuing the addition of nitrification and denitrification facilities at each of these plants to comply with the ammonia objectives. By June 2003, it is expected that these new facilities will be operational and ammonia will be drastically reduced. Research facility operation shows that the monthly average ammonia concentration fully complies with the chronic ammonia objective that are expected to be applicable in June 2003. It is probable that the majority of ammonia discharged to this water body was contributed by POTWs. Information in the record indicates that the majority (over 95%) of the ammonia in the Los Angeles River was contributed by POTWs. It is probable that the contribution in the San Gabriel River watershed is dominated by contributions from POTWs as well. Generally, concentrations of ammonia upstream of the treatment plants is much lower than downstream concentrations (up to an order of magnitude difference).
RWQCB Recommendation	None.

Region 4: Coyote Creek
Ammonia

SWRCB Staff Recommendation	After reviewing the available data and information for this recommendation, SWRCB staff conclude that the water body should be placed on the Enforceable Program list because applicable water quality standards are exceeded and another program will address the problem.

Region 4: Coyote Creek
Dissolved Copper

Water Body	Coyote Creek
Stressor/Media/Beneficial Use	Dissolved Copper/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Stormwater Monitoring Program
Linkage between measurement endpoint and benefical use or standard	Dissolved Copper CTR criterion is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	CTR criterion is applicable to Aquatic Life.
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, sample taken different seasons and years.
Data used to assess water quality	26 water samples, 16 samples exceeding.
Spatial representation	1 site.
Temporal representation	Fall, winter, spring (1997-2000).
Data type	Numerical data.
Use of standard method	Stormwater Monitoring Program methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to greater than 10% exceedance of the WQO and CTR.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical, not numerical, both numerical . 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Coyote Creek
Toxicity

Water Body	Coyote Creek
Stressor/Media/Beneficial Use	Toxicity/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data submitted in the 2000 NPDES Annual Monitoring Reports of the Long Beach and Valencia Water Reclamation Plants.
Linkage between measurement endpoint and benefical use or standard	Toxicity is linked to Aquatic Life, however the stressor was not confirmed.
Utility of measure for judging if standards or uses are not attained	Toxicity is applicable to Aquatic Life, however the stressor was not confirmed.
Water Body-specific Information	Receiving water stations downstream of the Long Beach WRP on Coyote Creek in 1999-2000.
Data used to assess water quality	Chronic toxicity has been detected at receiving water stations downstream of the Long Beach WRP on Coyote Creek in 1999-2000 and downstream of the Valencia WRP on the Santa Clara River during 2000. Toxicity identification evaluations have been performed using zeolite filtration to control ammonia toxicity. The test results indicated ammonia was likely the principal cause of toxicity.
Spatial representation	Receiving water stations downstream of the Long Beach WRP on Coyote Creek and downstream of the Valencia WRP on the Santa Clara River.
Temporal representation	Toxicity identification evaluation completed: 1999-2000.
Data type	Numerical data.
Use of standard method	Unknown.
Potential Source(s) of Pollutant	Point sources.
Alternative Enforceable Program	An alternative enforceable program is in place that will address ammonia water quality standards exceedances for this Reach. In June 1995, the seven water reclamation plants discharging in the San Gabriel River and Santa Clara River watersheds received NPDES permits containing requirements regarding compliance with the Basin Plan water quality objectives for ammonia. In accordance with these permits, the Los Angeles County Sanitation Districts have been pursuing the addition of nitrification and denitrification facilities at each of these plants to comply with the ammonia objectives. By June 2003, it is expected that these new facilities will be operational and ammonia will be drastically reduced. Research facility operation shows that the monthly average ammonia concentration fully complies with the chronic ammonia objective that are expected to be applicable in June 2003. It is probable that the majority of ammonia discharged to this water body was contributed by POTWs.
RWQCB Recommendation	None.

Region 4: Coyote Creek
Toxicity

SWRCB Staff Recommendation	After reviewing the available data and information for this recommendation, SWRCB staff conclude that the water body should be placed on the Enforceable Program list because applicable water quality standards are exceeded and another program will address the problem.

Region 4: Coyote Creek
Dissolved Lead

Water Body	Coyote Creek
Stressor/Media/Beneficial Use	Dissolved Lead/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Department of Public Works
Linkage between measurement endpoint and benefical use or standard	Dissolved Lead CTR is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	CTR is applicable to Aquatic Life.
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, sample taken different seasons and years.
Data used to assess water quality	26 water samples, 18 samples exceeding.
Spatial representation	1 site (S 13).
Temporal representation	Fall, winter, spring (1997-1999).
Data type	Numerical data.
Use of standard method	Los Angeles County Department of Public Works methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedances of the dissolved chronic criterion.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Coyote Creek
Dissolved Zinc

Water Body	Coyote Creek
Stressor/Media/Beneficial Use	Dissolved Zinc/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Stormwater Monitoring Program
Linkage between measurement endpoint and benefical use or standard	Dissolved Zinc CTR criterion is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	CTR criterion is applicable to Aquatic Life.
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, sample taken different seasons and years.
Data used to assess water quality	26 water samples, 6 samples exceeding.
Spatial representation	1 site (S 14).
Temporal representation	Fall, winter, spring (1997-2000).
Data type	Numerical data.
Use of standard method	Stormwater Monitoring Program methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	.
RWQCB Recommendation	List due to exceedances of the dissolved chronic criterion.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Coyote Creek
Silver

Water Body	Coyote Creek
Stressor/Media/Beneficial Use	Silver/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs and MTRLs are not linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	MTRLs and EDLs are not applicable to Aquatic Life.
Water Body-specific Information	Data was not presented.
Data used to assess water quality	Data was not presented.
Spatial representation	Data was not presented.
Temporal representation	Data was not presented.
Data type	Data was not presented.
Use of standard method	TSMP methods.
Potential Source(s) of Pollutant	Historical use of pesticides.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because listing was based on EDL which are not a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are no longer a valid as a water quality standard assessment tool. In addition. MTRLs are not linked to aquatic life beneficial uses.

Region 4: Coyote Creek
Total Selenium

Water Body	Coyote Creek
Stressor/Media/Beneficial Use	Total Selenium/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Stormwater Monitoring Program
Linkage between measurement endpoint and benefical use or standard	Total Selenium CTR criterion is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	CTR criterion is applicable to Aquatic Life.
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, stormwater events.
Data used to assess water quality	26 water samples, 5 samples exceeding.
Spatial representation	1 station.
Temporal representation	Fall 1997, fall 1998, winter-summer 1999.
Data type	Numerical data.
Use of standard method	Stormwater Monitoring Program methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedances of the dissolved chronic criterion.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Dominguez Channel (Estuary to Vermont)
Copper

Water Body	Dominguez Channel (Estuary to Vermont)
Stressor/Media/Beneficial Use	Copper/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	Copper ERM-PELs are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to aquatic life but using these guidelines in the absence of synoptically collected toxicity data is controversial.
Water Body-specific Information	Data 7 years old, environmental data measured at site, one-time sample, one event.
Data used to assess water quality	1 sediment sample, 1 sample exceeding.
Spatial representation	One sample only.
Temporal representation	One sample event.
Data type	Numerical data.
Use of standard method	BPTCP methods.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants for DDT, chlordane and PCBs. Stormwater runoff, aerial deposition and historical discharges for copper
Alternative Enforceable Program	BPTCP Consolidated Plan.
RWQCB Recommendation	List due to exceedances of ERM-PELs.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because it cannot be determined if the applicable water quality standards are exceeded. This conclusion is based on the staff findings that the data exhibited insufficient temporal coverage. An inadequate amount of water quality measurements were collected and analyzed.

Region 4: Dominguez Channel (Estuary to Vermont)
PCBs

Water Body	Dominguez Channel (Estuary to Vermont)
Stressor/Media/Beneficial Use	PCBs/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP, QAPP
Linkage between measurement endpoint and benefical use or standard	PCB ERM-PELs are generally linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to aquatic life, however using these guidelines in the absence of synoptically collected toxicity data is controversial.
Water Body-specific Information	Data 8 years old, environmental data measured at site, one-time sample, one event.
Data used to assess water quality	1 sediment sample, 1 sample exceeding.
Spatial representation	One sample only.
Temporal representation	One sample event.
Data type	Numerical data.
Use of standard method	BPTCP methods.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants for DDT, chlordane and PCBs. Stormwater runoff, aerial deposition and historical discharges for copper.
Alternative Enforceable Program	None.
RWQCB Recommendation	List due to exceedance in ERM-PELs.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because it cannot be determined if the applicable water quality standards are exceeded. This conclusion is based on the staff findings that the data exhibited insufficient temporal coverage. An inadequate amount of water quality measurements were collected.

Region 4: Dominguez Channel (Estuary to Vermont)
Unknown pollutant

Water Body	Dominguez Channel (Estuary to Vermont)
Stressor/Media/Beneficial Use	Unknown pollutant/Sediment/Aquatic Life.
Data quality assessment. Extent to which data quality requirements met.	BPTCP, QAPP.
Linkage between measurement endpoint and benefical use or standard	Sediment toxicity is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Sediment toxicity is applicable to Aquatic Life, however it has limited applicability because only one sediment sample was taken.
Water Body-specific Information	Data 7 years old, environmental data measured at site/waterbody, one-time sample.
Data used to assess water quality	1 sediment sample.
Spatial representation	One sample only.
Temporal representation	One sample event.
Data type	Numerical data.
Use of standard method	BPTCP methods.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants for DDT, chlordane and PCBs. Stormwater runoff, aerial deposition and historical discharges for copper.
Alternative Enforceable Program	None.
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because it cannot be determined if the applicable water quality standards are exceeded. This conclusion is based on the staff findings that the data exhibited insufficient temporal coverage. An inadequate amount of water quality measurements exceeded the water quality standard.

Region 4: Dominguez Channel (Estuary to Vermont)
Chlordane

Water Body	Dominguez Channel (Estuary to Vermont)
Stressor/Media/Beneficial Use	Chlordane/Sediment/Aquatic Life.
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	Chlordane ERM-PELs are generally linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to aquatic life, however using these guidelines in the absence of synoptically collected toxicity data is controversial.
Water Body-specific Information	Data 8 years old, environmental data measured at site, one-time sample, one event.
Data used to assess water quality	1 sediment sample, 1 sample exceeding.
Spatial representation	One sample only.
Temporal representation	One sample event.
Data type	Numerical data.
Use of standard method	Unknown.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants for DDT, chlordane and PCBs. Stormwater runoff, aerial deposition and historical discharges for copper.
Alternative Enforceable Program	BPTCP Consolidated Plan.
RWQCB Recommendation	List due to exceedance in ERM-PELs.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because it cannot be determined if the applicable water quality standards are exceeded. This conclusion is based on the staff findings that the data exhibited insufficient temporal coverage. An inadequate amount of water quality measurements were collected and analyzed.

Region 4: Dry Canyon Creek
Total Selenium

Water Body	Dry Canyon Creek
Stressor/Media/Beneficial Use	Total Selenium/Water/Aquatic Life (warm freshwater and wildlife habitat)
Data quality assessment. Extent to which data quality requirements met.	City of Calabasas
Linkage between measurement endpoint and benefical use or standard	Total Selenium CTRs are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	CTR is applicable to Aquatic Life.
Water Body-specific Information	Data 1-2 years, data measured at site, multiple event in different seasons.
Data used to assess water quality	32 water samples, 9 samples exceeding.
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Fall, winter, spring in different years (2000 - 2001).
Data type	Numerical data.
Use of standard method	City of Calabasas methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other site-specific information including the effects of season, storm events, and age of the data were considered. An adequate amount of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Dry Canyon Creek
Fecal Coliform

Water Body	Dry Canyon Creek
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	City of Calabasas
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform WQO is linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to REC-1.
Water Body-specific Information	Data 1-2 years, data measured at site, seasonality and years.
Data used to assess water quality	56 samples, 11 samples exceeding.
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Fall, winter, spring in different years (2000-2001).
Data type	Numerical data.
Use of standard method	City of Calabasas methods.
Potential Source(s) of Pollutant	Natural and urban sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other site-specific information including the effects of season, storm events, and age of the data were considered. An adequate amount of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Duck Pond Ag Drain/Mugu Drain/Oxnard Drain #2 Chem A

Water Body	Duck Pond Ag Drain/Mugu Drain/Oxnard Drain #2
Stressor/Media/Beneficial Use	Chem A/Tissue/Aquatic Life.
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	Tissue NAS guidelines are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Tissue NAS guidelines are applicable to Aquatic Life.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Historical use of pesticides.
Alternative Enforceable Program	
RWQCB Recommendation	Originally recommended for delisting because listing was based on NAS outdated guidelines. Reevaluation resulted in a recommendation to maintain the listing because Chem A group are not outdated and are still valid guidelines set by NAS to protect aquatic life.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concludes that the water body should not be removed from the section 303(d) list because applicable NAS guidelines are not outdated, and are a valid assessment guideline.

Region 4: Echo Park Lake
Trash

Water Body	Echo Park Lake
Stressor/Media/Beneficial Use	Trash/Water/Aquatic Life, REC-2
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	N/A
RWQCB Recommendation	TMDL Completed.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the TMDLs Completed List because a TMDL has been developed for the water body-pollutant combination. The TMDL has been approved by USEPA.

Region 4: Hobie Beach (Channel Islands Harbor)
Bacterial Indicators

Water Body	Hobie Beach (Channel Islands Harbor)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County health department.
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards which are applicable to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	49 samples exceeding standards out of 97 samples.
Spatial representation	1 station: VC(36000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Hopper Creek (tributary to Santa Clara River Reach 4)
TDS

Water Body	Hopper Creek (tributary to Santa Clara River Reach 4)
Stressor/Media/Beneficial Use	TDS/Water/Agriculture
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District
Linkage between measurement endpoint and benefical use or standard	TDS WQO is linked to Agriculture.
Utility of measure for judging if standards or uses are not attained	WQO and measurement end points are applicable to Agriculture.
Water Body-specific Information	Data 2-5 years old, samples collected at site.
Data used to assess water quality	11 water samples, 10 samples exceeding.
Spatial representation	Limited.
Temporal representation	Quarterly sampling events.
Data type	Numerical data.
Use of standard method	United Water Conservation District methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the of age of the data were considered. Most of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Hopper Creek (tributary to Santa Clara River Reach 4)
Sulfate

Water Body	Hopper Creek (tributary to Santa Clara River Reach 4)
Stressor/Media/Beneficial Use	Sulfate/Water/Agriculture
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District
Linkage between measurement endpoint and benefical use or standard	Sulfate WQO are linked to Agriculture.
Utility of measure for judging if standards or uses are not attained	WQO and measurement end points are applicable to Agriculture.
Water Body-specific Information	Data 2-5 years old, samples collected at site.
Data used to assess water quality	12 water samples, 11 sample exceeding.
Spatial representation	Limited.
Temporal representation	Quarterly sampling events.
Data type	Numerical data.
Use of standard method	United Water Conservation District methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the of age of the data were considered. Most of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Lake Calabasas
Copper

Water Body	Lake Calabasas
Stressor/Media/Beneficial Use	Copper/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	EDLs not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the original listing was based on EDLs which not a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Lake Calabasas
Zinc

Water Body	Lake Calabasas
Stressor/Media/Beneficial Use	Zinc/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because original listing was based on EDLs which not a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Lake Lindero
Selenium

Water Body	Lake Lindero
Stressor/Media/Beneficial Use	Selenium/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	Median International Standards (MIS) are not linked to Aquatic life. These criteria were published by the UN as a survey of member nations health protection criteria. They are not applicable with the U.S.A.
Utility of measure for judging if standards or uses are not attained	MIS are outdated guidelines and were never applicable to Aquatic Life protection.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	TSMP methods.
Potential Source(s) of Pollutant	Historical use of pesticides.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the original listing was based on MIS for trace elements, which are outdated and are not valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applied Median International Standards (MIS) are obsolete, not applicable within the U.S.A. and do not represent valid assessment guidelines to measure impacts on aquatic life beneficial uses.

Region 4: Lincoln Park Lake
Trash

Water Body	Lincoln Park Lake
Stressor/Media/Beneficial Use	Trash/Water/Aquatic Life and REC-2
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	N/A
RWQCB Recommendation	TMDL Completed.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the TMDLs Completed List because a TMDL has been developed for the water body-pollutant combination. The TMDL has been approved by USEPA.

Region 4: Los Angeles Fish Harbor
TBT

Water Body	Los Angeles Fish Harbor
Stressor/Media/Beneficial Use	TBT/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	TBT in sediment is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Assessment based on background levels rather than valid assessment guidelines which are not applicable to Aquatic Life.
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	BPTCP.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants. Stormwater runoff, aerial deposition, and historical discharges of metal.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the original listing was based on exceeding background levels rather than valid assessment guidelines.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because the original listing was based on exceeding background levels rather than valid assessment guidelines.

Region 4: Los Angeles Harbor Inner Breakwater
TBT

Water Body	Los Angeles Harbor Inner Breakwater
Stressor/Media/Beneficial Use	TBT/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP-QAPP
Linkage between measurement endpoint and benefical use or standard	TBT in sediment is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Assessment based on background levels rather than valid assessment guideline which is not applicable to Aquatic Life.
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	BPTCP.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants. Stormwater runoff, aerial deposition, and historical discharges of metal.
Alternative Enforceable Program	
RWQCB Recommendation	Delist the original listing was based on exceeding background levels rather than valid assessment guidelines.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because the original listing was based on exceeding background levels rather than valid assessment guidelines.

Region 4: Los Angeles Harbor Main Channel
TBT

Water Body	Los Angeles Harbor Main Channel
Stressor/Media/Beneficial Use	TBT/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	TBT in sediment is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Assessment based on background levels rather than valid assessment guideline which is not applicable to Aquatic Life.
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	BPTCP.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants. Stormwater runoff, aerial deposition, and historical discharges of metal
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the original listing was based on exceeding background levels rather than valid assessment guidelines.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because the original listing was based on exceeding background levels rather than valid assessment guidelines.

Region 4: Los Angeles Harbor-Consolidated Slip
Toxaphene

Water Body	Los Angeles Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Toxaphene/Tissue/COMM
Data quality assessment. Extent to which data quality requirements met.	SMWP
Linkage between measurement endpoint and benefical use or standard	Toxaphene MTRLs are linked to COMM.
Utility of measure for judging if standards or uses are not attained	MTRLs are applicable to COMM.
Water Body-specific Information	Data 4-9 years old, environmental data measured at site/waterbody, species present, samples collected in 1993, 1995, 1997 and 1998.
Data used to assess water quality	4 tissue samples (67%) exceeded the water quality standard. The RWQCB provided the adequate data that was inadvertently missing in their original fact sheet.
Spatial representation	Unknown.
Temporal representation	Samples were collected in 1993, 1995, 1997 and 1998.
Data type	Numerical.
Use of standard method	SMWP.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	BPTCP Consolidated Cleanup Plan.
RWQCB Recommendation	List due to exceedances in MTRLs.
SWRCB Staff Recommendation	In the review of the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. The RWQCB provided the appropriate data, that was inadvertently missing in their original fact sheet, to support the listing of this water body-pollutant combination. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Other water body information including the age of the data were considered.

Region 4: Los Angeles Harbor-Consolidated Slip
Toxaphene

An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Los Angeles Harbor-Consolidated Slip
Cadmium

Water Body	Los Angeles Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Cadmium/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	Benthic community effects, sediment toxicity, and ERM-PEL is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Effects data, toxicity data, and ERM-PELs are applicable to Aquatic Life.
Water Body-specific Information	Data 6 years old, one-time sample event, one season event.
Data used to assess water quality	14 sediment sample, 6 samples exceeding for Cadmium. Eight associated sediment samples had significant toxicity and four sediment stations had a degraded benthic community.
Spatial representation	Samples were collected spatially.
Temporal representation	One-time sample.
Data type	Numerical data.
Use of standard method	BPTCP methods were used.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	The Consolidated Toxic Hot Spots Cleanup Plan describes how the Los Angeles Contaminated Task Force will develop a plan for the cleanup of this site. While the planning has progressed, no remediation of the site has occurred. No responsible parties have been identified.
RWQCB Recommendation	List due to exceedances of ERM/PEL sediment thresholds.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses are applicable and apply to this water body. 4. The evaluation guideline used to interpret narrative water quality standards is adequate. 5. Data are numerical. 6. Standard methods were used.

Region 4: Los Angeles Harbor-Consolidated Slip
Cadmium

An adequate amount of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Los Angeles Harbor-Consolidated Slip
Copper

Water Body	Los Angeles Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Copper/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	Benthic community effects, sediment toxicity, and ERM-PEL is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Effects data, toxicity data, and ERM-PELs are applicable to Aquatic Life.
Water Body-specific Information	Data 6-10 years old, environmental data measured at site/waterbody.
Data used to assess water quality	19 sediment samples, 19 samples exceeding ERMs-PELs for Copper. Eight associated sediment samples had significant toxicity and four sediment stations had a degraded benthic community.
Spatial representation	Samples were collected spatially.
Temporal representation	3 different year and seasons.
Data type	Numerical data.
Use of standard method	BPTCP methods were used.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	The Consolidated Toxic Hot Spots Cleanup Plan describes how the Los Angeles Contaminated Task Force will develop a plan for the cleanup of this site. While the planning has progressed, no remediation of the site has occurred. No responsible parties have been identified.
RWQCB Recommendation	List due to exceedances in ERM/PEL sediment thresholds.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses are applicable and apply to this water body. 4. The evaluation guideline used to interpret narrative water quality standards is adequate. 5. Data are numerical. 6. Standard methods were used.

Region 4: Los Angeles Harbor-Consolidated Slip
Copper

An adequate amount of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Los Angeles Harbor-Consolidated Slip
Dieldrin

Water Body	Los Angeles Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Dieldrin/Tissue/COMM
Data quality assessment. Extent to which data quality requirements met.	SMWP
Linkage between measurement endpoint and benefical use or standard	Dieldrin MTRLs are linked to COMM.
Utility of measure for judging if standards or uses are not attained	MTRLs are applicable to COMM.
Water Body-specific Information	Data 7-9 years old, environmental data measured at site/waterbody, samples collected during 2 different seasons and years.
Data used to assess water quality	3 tissue samples, 3 samples exceeding.
Spatial representation	Samples were collected spatially.
Temporal representation	Samples were collected temporally.
Data type	Numerical data.
Use of standard method	SMWP.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedance in MTRLs.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate, quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Other water body information including the age of the data were considered. All of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Los Angeles Harbor-Consolidated Slip
Zinc

Water Body	Los Angeles Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Zinc/Tissue
Data quality assessment. Extent to which data quality requirements met.	SMWP
Linkage between measurement endpoint and benefical use or standard	There is not a linkage to beneficial use.
Utility of measure for judging if standards or uses are not attained	Assessment based on background levels rather than valid assessment guideline which is not applicable to aquatic life.
Water Body-specific Information	Unknown.
Data used to assess water quality	Unknown.
Spatial representation	Samples were collected spatially.
Temporal representation	Samples were collected temporally.
Data type	Numerical.
Use of standard method	SMWP.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the original listing was based on exceeding background levels rather than valid assessment guidelines.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because the original listing was based on exceeding background levels rather than valid assessment guidelines.

Region 4: Los Angeles Harbor-Consolidated Slip
TBT

Water Body	Los Angeles Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	TBT/Tissue/COMM
Data quality assessment. Extent to which data quality requirements met.	SMWP
Linkage between measurement endpoint and benefical use or standard	SMWP data is linked to COMM.
Utility of measure for judging if standards or uses are not attained	Assessment based on background levels rather than valid assessment guideline which is not applicable to COMM.
Water Body-specific Information	Unknown.
Data used to assess water quality	Unknown.
Spatial representation	Samples were collected spatially.
Temporal representation	Samples were collected temporally.
Data type	Numerical data.
Use of standard method	SMWP.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	BPTCP Consolidated Cleanup Plan.
RWQCB Recommendation	Delist because the original listing was based on exceeding background levels rather than valid assessment of guidelines. Delisting applies to LA Harbor Consolidated Slip, Fish Harbor, Inner Breakwater and Main Channel).
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because the original listing was based on exceeding background levels rather than valid assessment guidelines.

Region 4: Los Angeles Harbor-Consolidated Slip
Arsenic

Water Body	Los Angeles Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Arsenic/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	Arsenic ERM-PELs are linked Aquatic Life.
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life.
Water Body-specific Information	Data was not presented.
Data used to assess water quality	Data was not presented.
Spatial representation	Data was not presented.
Temporal representation	Data was not presented.
Data type	Numerical data.
Use of standard method	BPTCP and SMWP.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	BPTCP Consolidated Cleanup Plan.
RWQCB Recommendation	Inadvertently listed. Reevaluation of data revealed that arsenic did not exceed ERM or PEL sediment thresholds.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because the water body was inadvertently listed and applicable sediment thresholds are not exceeded.

Region 4: Los Angeles Harbor-Consolidated Slip
Nickel

Water Body	Los Angeles Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Nickel/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	Benthic community effects, sediment toxicity, and ERM-PEL is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Effects data, toxicity data, and ERM-PELs are applicable to aquatic life beneficial uses. There were 5 samples exceeding in the PEL guideline for nickel, however ERMs were not exceeded. Toxicity and sediment chemistry data was collected synoptically.
Water Body-specific Information	Data 8-10 years old, environmental data measured at site/waterbody, 2 seasons monitored in 2 different years.
Data used to assess water quality	5 sediment chemistry samples, 5 samples exceeding. Sediment toxicity data was observed in synoptically collected samples. Nickel is not identified in the Consolidated Toxic Hot Spots Cleanup Plan as a chemical contributing to the creation or maintenance of the toxic hot spot.
Spatial representation	Samples were collected spatially.
Temporal representation	3 different year (1992 and 1994) and seasons
Data type	Numerical data.
Use of standard method	BPTCP methods were used.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	None.
RWQCB Recommendation	List due to exceedance of ERM/PEL sediment thresholds.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard were used.

8. Other water body- or site-specific information including the effects of season and age of the data were considered.

All of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Los Angeles Harbor-Consolidated Slip
Mercury

Water Body	Los Angeles Harbor-Consolidated Slip
Stressor/Media/Beneficial Use	Mercury/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	Benthic community effects, sediment toxicity, and ERM-PEL is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Effects data, toxicity data, and ERM-PELs are applicable to Aquatic Life.
Water Body-specific Information	Data 6-10 years old, environmental data measured at site/waterbody, 3 years-3 seasons.
Data used to assess water quality	19 sediment samples, 5 samples exceeding ERM-PEL for Mercury. Eight associated sediment samples had significant toxicity and four sediment stations had a degraded benthic community.
Spatial representation	Samples were collected spatially.
Temporal representation	3 different year and seasons.
Data type	Numerical data.
Use of standard method	BPTCP methods were used.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.
Alternative Enforceable Program	The Consolidated Toxic Hot Spots Cleanup Plan describes how the Los Angeles Contaminated Task Force will develop a plan for the cleanup of this site. While the planning has progressed, no remediation of the site has occurred. No responsible parties have been identified.
RWQCB Recommendation	List due to exceedance of ERM/PEL sediment thresholds.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses are applicable and apply to this water body. 4. The evaluation guideline used to interpret narrative water quality standards is adequate. 5. Data are numerical. 6. Standard methods were used. An adequate amount of the water quality measurements exceeded the water

quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Los Angeles River Estuary (Queensway Bay)
DDT

Water Body	Los Angeles River Estuary (Queensway Bay)
Stressor/Media/Beneficial Use	DDT/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	DDT ERM-PELs are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life.
Water Body-specific Information	Data 4-10 years old, data measured at site, data measured in different years.
Data used to assess water quality	9 samples, 6 samples exceeding. Four out of six sediment samples were found to be significantly toxic to amphipods. The benthic community was classified as transitional.
Spatial representation	Samples were collected spatially.
Temporal representation	Samples taken in 2 different years.
Data type	Numerical data.
Use of standard method	BPTCP.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedance in ERM/PELs guidelines.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Other water body information including the age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Los Angeles River Estuary (Queensway Bay)
Chlordane

Water Body	Los Angeles River Estuary (Queensway Bay)
Stressor/Media/Beneficial Use	Chlordane/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	Chlordane ERM-PELs are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life.
Water Body-specific Information	Data 4-10 years old, data measured at site, data measured in different years.
Data used to assess water quality	9 sediment samples, 9 samples exceeding. Four out of six sediment samples were found to be significantly toxic to amphipods. The benthic community was classified as transitional.
Spatial representation	Samples were collected spatially.
Temporal representation	Samples taken in 2 different years.
Data type	Numerical data.
Use of standard method	BPTCP.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedances in ERM/PELs.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Other water body information including the age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Los Angeles River Estuary (Queensway Bay)
Lead

Water Body	Los Angeles River Estuary (Queensway Bay)
Stressor/Media/Beneficial Use	Lead/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	Lead ERM/PELs in sediment are linked to Aquatic Life .
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life.
Water Body-specific Information	Data 4-10 years old, data measured at site, data measured in different years.
Data used to assess water quality	18 sediment samples, 8 samples exceeding. Four out of six sediment samples were found to be significantly toxic to amphipods. The benthic community was classified as transitional.
Spatial representation	Samples were collected spatially.
Temporal representation	Samples collected in 2 different years.
Data type	Numerical data.
Use of standard method	BPTCP.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedances in ERM/PEL assessment guidelines.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Other water body information including the age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Los Angeles River Estuary (Queensway Bay)
Zinc

Water Body	Los Angeles River Estuary (Queensway Bay)
Stressor/Media/Beneficial Use	Zinc/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	Zinc ERM-PELs are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life.
Water Body-specific Information	Data 1-5 years old, measured at site during three different years.
Data used to assess water quality	27 samples, 5 samples exceeding. Four out of six sediment samples were found to be significantly toxic to amphipods. The benthic community was classified as transitional.
Spatial representation	Samples collected spatially.
Temporal representation	Samples collected during three different years.
Data type	Numerical data.
Use of standard method	BPTCP.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedances in ERM-PEL guidelines.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 7. Water quality standard used is applicable. 8. The evaluation guideline used to interpret narrative water quality standards is adequate. 9. Data are numerical. 7. Standard methods were used. 8. Other water body information including the effects of season and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Los Angeles River Estuary (Queensway Bay)
PCBs

Water Body	Los Angeles River Estuary (Queensway Bay)
Stressor/Media/Beneficial Use	PCBs/sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	PCBs ERM/PELs in sediment is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life.
Water Body-specific Information	Data 4-10 years old, data measured at site, data measured in different years.
Data used to assess water quality	18 samples, 2 samples exceeding. Four out of six sediment samples were found to be significantly toxic to amphipods. The benthic community was classified as transitional.
Spatial representation	Samples were collected spatially.
Temporal representation	Samples taken in 2 different years.
Data type	Numerical data.
Use of standard method	BPTCP.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedances of ERM-PELs sediment quality guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Other water body information including the age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is low.

Region 4: Los Angeles River Reach 1 (Estuary to Carson Street)
Dissolved Cadmium

Water Body	Los Angeles River Reach 1 (Estuary to Carson Street)
Stressor/Media/Beneficial Use	Dissolved Cadmium/Water/Aquatic Life (Warm, Wildlife Habitat)
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Stormwater Program
Linkage between measurement endpoint and benefical use or standard	Cadmium CTR criterion is linked to Aquatic Life and Drinking Water standard CA Code tittle 22.
Utility of measure for judging if standards or uses are not attained	CTR criterion is applicable to Aquatic Life.
Water Body-specific Information	Data 3-5 years old, data measured in waterbody, sample taken different seasons and years.
Data used to assess water quality	18 water samples, 4 samples exceeding (acute), 6 samples exceeding (chronic), 2 samples exceeding (CTR Title 22).
Spatial representation	Samples were collected mostly in main stem of Los Angeles River.
Temporal representation	Fall, winter, fall, spring (1997-1999).
Data type	Numerical data.
Use of standard method	LA County Stormwater Monitoring Program.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to a greater than 10% exceedance of dissolved and total cadmium water quality criteria for protection of freshwater aquatic life and potential drinking water sources.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other site-specific information including the effects of season, storm events, and age of the data were considered. An adequate amount of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Los Angeles River Reach 1 (Estuary to Carson Street) Dissolved Copper

Water Body	Los Angeles River Reach 1 (Estuary to Carson Street)
Stressor/Media/Beneficial Use	Dissolved Copper/ Water/Aquatic Life (warm-freshwater and wildlife habitat)
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Stormwater Program
Linkage between measurement endpoint and benefical use or standard	Copper CTR is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	CTR is applicable to Aquatic Life.
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, sample taken different seasons and years.
Data used to assess water quality	18 water samples, 11 samples exceeding (acute), 13 samples exceeding (chronic).
Spatial representation	Samples were collected mostly in main stem of Los Angeles River.
Temporal representation	Fall, winter, spring (1997-1999).
Data type	Numerical data.
Use of standard method	Los Angeles County Stormwater Program.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to a greater than 10% exceedance of dissolved copper water quality criteria for protection of freshwater aquatic life.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Other water body information including the effects of season, storm events, and age of the data were considered.

Region 4: Los Angeles River Reach 1 (Estuary to Carson Street)
Dissolved Copper

An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Los Angeles River Reach 1 (Estuary to Carson Street)
Dissolved Zinc

Water Body	Los Angeles River Reach 1 (Estuary to Carson Street)
Stressor/Media/Beneficial Use	Dissolved Zinc/Water/Aquatic Life (warm-freshwater and wildlife habitat
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Stormwater Program
Linkage between measurement endpoint and benefical use or standard	Zinc CTR is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	CTRs are applicable to Aquatic Life.
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, sample taken different seasons and years.
Data used to assess water quality	18 water samples, 7 samples exceeding (acute and chronic criteria).
Spatial representation	Samples were collected mainly in the main stem of the LA River.
Temporal representation	Fall, winter in different years.
Data type	Numerical data.
Use of standard method	Los Angeles County Stormwater Monitoring Program.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to a greater than 10% exceedance of dissolved zinc acute and chronic water quality criteria for protection of freshwater Aquatic Life.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season, storm events, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Los Angeles River Reach 1 (Estuary to Carson Street) Trash

Water Body	Los Angeles River Reach 1 (Estuary to Carson Street)
Stressor/Media/Beneficial Use	Trash/Water/Aquatic Life and REC-2
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	TMDL Completed.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the TMDLs Completed List because a TMDL has been developed for the water body-pollutant combination. The TMDL has been approved by USEPA.

Region 4: Los Angeles River Reach 1 (Estuary to Carson Street)
Total Aluminum

Water Body	Los Angeles River Reach 1 (Estuary to Carson Street)
Stressor/Media/Beneficial Use	Total Aluminum/Water/Groundwater Recharge
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Stormwater Program
Linkage between measurement endpoint and benefical use or standard	WQO for Aluminum Maximum Concentration Levels (MCLs) are linked to Groundwater Recharge.
Utility of measure for judging if standards or uses are not attained	MCLs are applicable to Groundwater Recharge.
Water Body-specific Information	Data is 3-5 year old, data measured in the waterbody, samples collected different in seasons and years.
Data used to assess water quality	18 water samples, 10 samples exceeding.
Spatial representation	Samples were collected mainly in the main stem of the LA River.
Temporal representation	Fall-1997, winter- fall 1998, winter 1999.
Data type	Numerical data.
Use of standard method	TSMP.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Other water body information including the effects of season, storm events, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Los Angeles River Reach 2 (Carson to Figueroa Street) Trash

Water Body	Los Angeles River Reach 2 (Carson to Figueroa Street)
Stressor/Media/Beneficial Use	Trash/Water/Aquatic Life and REC-2
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	TMDL Completed.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the TMDLs Completed List because a TMDL has been developed for the water body-pollutant combination. The TMDL has been approved by USEPA.

Region 4: Los Angeles River Reach 3 (Figueroa Street to Riverside Dri + Trash

Water Body	Los Angeles River Reach 3 (Figueroa Street to Riverside Drive)
Stressor/Media/Beneficial Use	Trash/Water/Aquatic Life and REC-2
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	TMDL Completed.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the TMDLs Completed List because a TMDL has been developed for the water body-pollutant combination. The TMDL has been approved by USEPA.

Region 4: Los Angeles River Reach 4 (Sepulveda Drive to Sepulveda Dam + Trash

Water Body	Los Angeles River Reach 4 (Sepulveda Drive to Sepulveda Dam)
Stressor/Media/Beneficial Use	Trash/Water/Aquatic Life and REC-2
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	TMDL Completed.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the TMDLs Completed List because a TMDL has been developed for the water body-pollutant combination. The TMDL has been approved by USEPA.

Region 4: Los Angeles River Reach 5 (At Sepulveda Basin) Trash

Water Body	Los Angeles River Reach 5 (At Sepulveda Basin)
Stressor/Media/Beneficial Use	Trash/Water/Aquatic Life and REC-2
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	TMDL Completed.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the TMDLs Completed List because a TMDL has been developed for the water body-pollutant combination. The TMDL has been approved by USEPA.

Region 4: Los Angeles River Reach 5 (within Sepulveda Basin) Chem A

Water Body	Los Angeles River Reach 5 (within Sepulveda Basin)
Stressor/Media/Beneficial Use	Chem A/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and benefical use or standard	Chem A NAS guidelines are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	NAS guidelines are applicable to Aquatic Life.
Water Body-specific Information	Data age is 10 years old.
Data used to assess water quality	1 tissue sample, 0 samples exceeding. This water body-pollutant was listed on the 1996 303 (d) list in error by the RWQCB. The Chem A in this tissue sample collected in 1992 did not exceed the NAS Chem A guideline.
Spatial representation	One site.
Temporal representation	One time sample.
Data type	Numerical data.
Use of standard method	Unknown.
Potential Source(s) of Pollutant	Unknown.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because Chem A did not exceed the NAS guidelines in tissue.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because there is insufficient evidence to support listing the pollutant. The original listing was made in error by the RWQCB in 1996 . The tissue sample collected in 1992 was below the NAS tissue guideline for Chem A. This conclusion is based on the staff findings that the data exhibited insufficient spatial and temporal coverage. An adequate number of the water quality measurements did not exceed the water quality standard. The staff confidence that standards were exceeded is low.

Region 4: Los Angeles River Reach 5 (within Sepulveda Basin) Chlorpyrifos

Water Body	Los Angeles River Reach 5 (within Sepulveda Basin)
Stressor/Media/Beneficial Use	Chlorpyrifos/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not an applicable assessment guideline.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the original listing was based on EDLs which are not a valid assessment guideline.
SWRCB Staff Recommendation	In the review of the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Los Cerritos Channel
Chlordane

Water Body	Los Cerritos Channel
Stressor/Media/Beneficial Use	Chlordane/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	Chlordane ERMs-PELs are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	ERMs-PELs are applicable to Aquatic Life.
Water Body-specific Information	Data 8-9 years old, data measured at site, measured during the winter.
Data used to assess water quality	4 sediment samples, 3 samples exceeding 4 sediment toxicity test samples, 3 samples toxic
Spatial representation	Data was collected spatially.
Temporal representation	Winter 1993 and 1994.
Data type	Numerical data.
Use of standard method	BPTCP.
Potential Source(s) of Pollutant	Unknown.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other site-specific information including the effects of season, storm events, and age of the data were considered. An adequate amount of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Los Cerritos Channel
Unknown

Water Body	Los Cerritos Channel
Stressor/Media/Beneficial Use	Unknown/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	Sediment toxicity is linkage to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Sediment toxicity is applicable to Aquatic Life, however guidelines use are unknown.
Water Body-specific Information	Data 9-10 years old, samples taken at site.
Data used to assess water quality	4 sediment samples, 3 toxic samples.
Spatial representation	Unknown.
Temporal representation	Samples taken in 1993 and in 1994.
Data type	Numerical data.
Use of standard method	BPTCP.
Potential Source(s) of Pollutant	Unknown.
Alternative Enforceable Program	
RWQCB Recommendation	List for sediment toxicity.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because sediment toxicity is a condition of a water body. Pollutants such as chlordane contribute to or cause the observed toxicity.

Region 4: Machado Lake (Harbor Park Lake)
Chem A

Water Body	Machado Lake (Harbor Park Lake)
Stressor/Media/Beneficial Use	Chem A/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	Chem A tissue NAS guidelines are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	NAS guidelines are applicable to Aquatic Life.
Water Body-specific Information	Data was not presented.
Data used to assess water quality	Data was not presented.
Spatial representation	Data was not presented.
Temporal representation	Data was not presented.
Data type	Numerical data.
Use of standard method	TSMP.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants.
Alternative Enforceable Program	
RWQCB Recommendation	Originally recommended for delisting because listing was based on NAS outdated guidelines. Reevaluation resulted in a recommendation to maintain on list because Chem A group are not outdated and are still valid guidelines set by NAS to protect aquatic life.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concludes that the water body should not be removed from the section 303(d) list because applicable NAS guidelines are not outdated, and are a valid assessment guideline.

Region 4: Malibou Lake
PCB

Water Body	Malibou Lake
Stressor/Media/Beneficial Use	PCB/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP.
Linkage between measurement endpoint and benefical use or standard	PCB Tissue chemistry (MTRLs) are not linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	MTRLs are not applicable to Aquatic Life.
Water Body-specific Information	Data is 5 -10 years old, measured at site, species present, two sampling event.
Data used to assess water quality	PCBs were not detected in the two tissue samples collected 1992 and 1997. This water body was originally recommended to be removed from the section 303(d) list by the RWQCB. The SWRCB staff recommended to maintain the listing because the data was not presented to support delisting. In December 2002, the RWQCB included data to support the delisting.
Spatial representation	Two tissue samples.
Temporal representation	Samples were collected in 1992 and 1997.
Data type	Numerical data.
Use of standard method	TSMP.
Potential Source(s) of Pollutant	Unknown.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because PCBs in tissue were not detected in 1992 and 1997.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list The RWQCB provided recent data to support removing this waterbody-pollutant from the 303(d) list. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. The evaluation guideline used to interpret narrative water quality standards is adequate. 4. Numerical data were presented. 5. Standard methods were used. None of quality measurements exceeded the water quality standard. The staff confidence that standards were not exceeded is moderate.

Region 4: Malibou Lake
Copper

Water Body	Malibou Lake
Stressor/Media/Beneficial Use	Copper/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Unknown.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs are not valid assessment guidelines.
SWRCB Staff Recommendation	In the review of the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Malibou Lake
Chlordane

Water Body	Malibou Lake
Stressor/Media/Beneficial Use	Chlordane/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	MTRLs are not linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	MTRLs are not applicable to Aquatic Life.
Water Body-specific Information	Data is 5 -10 years old, measured at site, species present, two sampling event.
Data used to assess water quality	2 tissue samples, 0 samples exceeding. Originally, this water body was recommended to be removed from the section 303(d) list by the RWQCB in May 2002. SWRCB staff recommended to maintain the listing because the data was not presented to support delisting. In December 2002, the RWQCB included data to support the delisting. The tissue sample collected in 1992 is below the Chlordane MTRL guideline and chlordane was not detected in a 1997 tissue sample.
Spatial representation	Two tissue samples.
Temporal representation	Samples were collected in 1992 and 1997.
Data type	Numerical data.
Use of standard method	TSMP.
Potential Source(s) of Pollutant	Unknown.
Alternative Enforceable Program	
RWQCB Recommendation	Delist is based on one sample which is now below the MTRL and chlordane was not detected in 1997.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the RWQCB provided recent data to that support water quality standards were not exceeded. The tissue sample collected in 1992 is now below the Chlordane MTRL guideline and chlordane was not detected in the 1997 tissue sample. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. The evaluation guideline used to interpret narrative water quality standards is adequate. 4. Data are numerical. 5. Standard methods were used.

8. Other water body information including age of the data were considered.

None of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is low.

Region 4: Malibu Creek
Total Selenium

Water Body	Malibu Creek
Stressor/Media/Beneficial Use	Total Selenium/Water/Aquatic Life (warm and cold freshwater and wildlife habitat, rare and endangered sp., migration of aquatic org, spawn-reproduction), REC-1 and REC-2
Data quality assessment. Extent to which data quality requirements met.	Stormwater Monitoring Program
Linkage between measurement endpoint and benefical use or standard	Total Selenium CTR is Linked to Aquatic Life Beneficial, however unclear on the linkage to REC-1 and REC-2.
Utility of measure for judging if standards or uses are not attained	CTRs are applicable to Aquatic Life.
Water Body-specific Information	Data 3-5 years old, samples collected at site, samples collected different years during storm event.
Data used to assess water quality	21 water samples, 2 samples exceeding.
Spatial representation	1 site.
Temporal representation	Samples taken winter-1997; fall and winter 1999.
Data type	Numerical data.
Use of standard method	Stormwater Monitoring Program.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to a greater than one exceedance of the total selenium chronic water quality criterion to protect freshwater aquatic life.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the Monitoring List because the data are inadequate to determine if applicable water quality standards are exceeded, a pollutant or pollution contributes or causes any standards exceedance. There was an inadequate number of samples that exceeded CTR/Basin Plan WQO criteria for listing. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited insufficient spatial and temporal coverage. Also, the two exceeding samples were collected in the same month and year. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the of age of the data were considered.

Region 4: Malibu Creek
Total Selenium

An inadequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were not exceeded is high.

Region 4: Malibu Creek Watershed [Malibu Creek, Las Virgenes Creek, T + Sedimentation

Water Body	Malibu Creek Watershed [Malibu Creek, Las Virgenes Creek, Triunfo Creek (R1 and R2) and Medea Creek (R1 and R2)]
Stressor/Media/Beneficial Use	Sedimentation/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	DFG (Heal the Bay Study)
Linkage between measurement endpoint and benefical use or standard	Sedimentation and bioassessment are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Bioassessment measurements are applicable to Aquatic Life.
Water Body-specific Information	Data 1 year old, collected at sites, species present, sample collected Spring and fall 2000.
Data used to assess water quality	Bioassessment of micro invertebrate stream community assemblage and physical habitat data submitted by Heal the bay and reviewed by CDFG staff.
Spatial representation	11 sites.
Temporal representation	Spring and Fall 2000.
Data type	Numerical data.
Use of standard method	DFG (California Stream Bioassessment Procedure) methods.
Potential Source(s) of Pollutant	Unknown.
Alternative Enforceable Program	
RWQCB Recommendation	List due to excessive sedimentation.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Other water body information including the effects of season and age of the data were considered. An adequate amount of bioassessment measurements indicated biological community degradation.

Region 4: Malibu Lagoon
pH

Water Body	Malibu Lagoon
Stressor/Media/Beneficial Use	pH/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Las Virgenas NPDES Municipal Water District
Linkage between measurement endpoint and benefical use or standard	pH WQO is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to Aquatic Life.
Water Body-specific Information	Data 3-5 years old, data measured at site, measured during all seasons.
Data used to assess water quality	138 water samples, 33 samples exceeding pH 8.5
Spatial representation	pH data was collected a various monitoring stations within the lagoon.
Temporal representation	Winter 1997, Summer-Winter 1998, Winter- Fall 1999.
Data type	Numerical data.
Use of standard method	Las Virgenas NPDES Municipal Water District.
Potential Source(s) of Pollutant	Unknown (potential sources septic systems, storm drains and birds).
Alternative Enforceable Program	
RWQCB Recommendation	List due to pH exceedances above of 8.5.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the age of the data were considered. An adequate amount of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Mandalay Beach
Beach Closures

Water Body	Mandalay Beach
Stressor/Media/Beneficial Use	Beach Closures/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	Ventura County Environmental Health Division
Linkage between measurement endpoint and benefical use or standard	Beach Closures are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQOs are applicable to REC-1.
Water Body-specific Information	Data = 0 - 3 years old. Data measured at waterbody. No beach closures in the last 3 years.
Data used to assess water quality	No Beach Closures in the last 3 years.
Spatial representation	Unknown.
Temporal representation	Unknown.
Data type	Narrative.
Use of standard method	Ventura County Environmental Health Division.
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because there were no Beach Closures in the last 3 years.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded.

Region 4: Marina del Rey Harbor-Back Basin
Copper

Water Body	Marina del Rey Harbor-Back Basin
Stressor/Media/Beneficial Use	Copper/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	Numerical data.
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs do not represent a valid assessment guideline.
SWRCB Staff Recommendation	In the review of the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Marina del Rey Harbor-Back Basin Lead

Water Body	Marina del Rey Harbor-Back Basin
Stressor/Media/Beneficial Use	Lead/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	Numerical data.
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs does not represent a valid assessment guideline.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Marina del Rey Harbor-Back Basin
DDT

Water Body	Marina del Rey Harbor-Back Basin
Stressor/Media/Beneficial Use	DDT/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP, TSMP
Linkage between measurement endpoint and benefical use or standard	DDT ERM/PELs are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	ERM/PELs are applicable to Aquatic Life.
Water Body-specific Information	Data is 5-9 years old.
Data used to assess water quality	18 sediment samples, 3 samples exceeding. Data was omitted in the RWQCB's original fact sheets. In December 2002, the RWQCB include adequate data (toxicity, benthic community assessment and sediment chemistry) to support the delisting. The three samples that exceeded the DDT ERM/PEL guideline were collected in 1994.
Spatial representation	Unknown.
Temporal representation	Samples were collected in 1993, 1994, 1996, and 1997.
Data type	Numerical.
Use of standard method	BPTCP, TSMP.
Potential Source(s) of Pollutant	Historical use of pesticides, stormwater runoff/aerial deposition from urban areas.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because DDT sediment concentrations have dropped below ERM-PEL guidelines.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the list because the RWQCB presented data to support that water quality standards were not exceeded. Data was omitted in the RWQCB's original fact sheets. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Other water body information including age of the data were considered.

An inadequate of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Marina del Rey Harbor-Back Basin
PCBs

Water Body	Marina del Rey Harbor-Back Basin
Stressor/Media/Beneficial Use	PCBs/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP, TSMP
Linkage between measurement endpoint and benefical use or standard	PCB ERM/PELs are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life.
Water Body-specific Information	Data 5- 9 years old, collected at site, data collected in different years and seasons.
Data used to assess water quality	18 sediment samples, 7 samples exceeding samples.
Spatial representation	Samples were collected spatially.
Temporal representation	Summer-winter 1993, summer 1996, fall-winter 1997.
Data type	Numerical data.
Use of standard method	BPTCP and TSMP
Potential Source(s) of Pollutant	Historical use of pesticides, stormwater runoff/aerial deposition from urban areas.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem.

Region 4: Marina del Rey Harbor-Back Basin
Zinc

Water Body	Marina del Rey Harbor-Back Basin
Stressor/Media/Beneficial Use	Zinc/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs do not represent a valid assessment guidelines.
SWRCB Staff Recommendation	In the review of the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Marina Del Rey Harbor-Back Basin
Unknown

Water Body	Marina Del Rey Harbor-Back Basin
Stressor/Media/Beneficial Use	Unknown (Benthic Community Degradation)/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP.
Linkage between measurement endpoint and benefical use or standard	Benthic Community Degradation is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Data was not presented.
Water Body-specific Information	Data was not presented.
Data used to assess water quality	Data was not presented.
Spatial representation	Data was not presented.
Temporal representation	Data was not presented.
Data type	Data was not presented.
Use of standard method	BPTCP.
Potential Source(s) of Pollutant	Unknown.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because benthic infauna is only moderately degraded.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because the information indicates that the benthic community infauna is moderately degraded.

Region 4: Marina del Rey Harbor-Back Basin
TBT

Water Body	Marina del Rey Harbor-Back Basin
Stressor/Media/Beneficial Use	TBT/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not applicable to Beneficial Uses.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because EDLs no longer represent a valid assessment guideline.
SWRCB Staff Recommendation	In the review of the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: McCoy Canyon Creek
Total Selenium

Water Body	McCoy Canyon Creek
Stressor/Media/Beneficial Use	Total Selenium/Water/Aquatic Life, Warm Freshwater and Wildlife Habitat
Data quality assessment. Extent to which data quality requirements met.	City of Calabasas
Linkage between measurement endpoint and benefical use or standard	Total Selenium CTR is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	CTR is applicable to Aquatic Life
Water Body-specific Information	Data 1-2 years old, samples collected during multiple seasons.
Data used to assess water quality	33 water samples, 32 samples exceeding.
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Spring, fall, winter.
Data type	Numerical data.
Use of standard method	City of Calabasas.
Potential Source(s) of Pollutant	Natural and urban sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	In the review of the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season, storm events, and age of the data were considered. Most of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: McCoy Canyon Creek
Nitrate

Water Body	McCoy Canyon Creek
Stressor/Media/Beneficial Use	Nitrate/Water/Groundwater Recharge
Data quality assessment. Extent to which data quality requirements met.	City of Calabasas
Linkage between measurement endpoint and benefical use or standard	Nitrate WQO is linked to Groundwater Recharge.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to Groundwater Recharge.
Water Body-specific Information	Data 1-2 years, data measured at site, sample during multiple seasons.
Data used to assess water quality	51 water samples, 19 samples exceeding.
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Spring, summer, fall, winter.
Data type	Numerical data.
Use of standard method	City of Calabasas
Potential Source(s) of Pollutant	Nonpoint sources
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season, storm events, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: McCoy Canyon Creek
Fecal Coliform

Water Body	McCoy Canyon Creek
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	City of Calabasas
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform WQO is linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to REC-1.
Water Body-specific Information	Data 1-3 years old, data measured at site, all season samples.
Data used to assess water quality	56 bacterial samples, 38 samples exceeding.
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Spring, summer, fall, winter.
Data type	Numerical data.
Use of standard method	City of Calabasas.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season, storm events, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: McCoy Canyon Creek
Nitrate as Nitrogen

Water Body	McCoy Canyon Creek
Stressor/Media/Beneficial Use	Nitrate as Nitrogen/Water/Groundwater Recharge
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and benefical use or standard	Maximum Contamination Levels (MCL) are linked Groundwater Recharge.
Utility of measure for judging if standards or uses are not attained	MCL are applicable to Groundwater Recharge.
Water Body-specific Information	Data 1-2 years, data measured at site, sample during multiple seasons.
Data used to assess water quality	51 water samples, 19 samples exceeding.
Spatial representation	Samples were collected spatially along the creek.
Temporal representation	Spring-summer-fall 2000 and winter-spring 2001.
Data type	Numerical data.
Use of standard method	City of Calabasas.
Potential Source(s) of Pollutant	Runoff from natural and urban sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to a greater than 10% exceedance of nitrate as nitrogen water quality objectives.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season, storm events, and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: McGrath Beach
Beach Closures

Water Body	McGrath Beach
Stressor/Media/Beneficial Use	Beach Closures/Water/REC- 1
Data quality assessment. Extent to which data quality requirements met.	Ventura County Environmental Health Division QA/QC.
Linkage between measurement endpoint and benefical use or standard	Beach Closures can be linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Beach Closures and Postings are poor measures of whether water quality standards are exceeded, because in many circumstances postings and closures are precautionary measures.
Water Body-specific Information	Data 2 to 3 years old.
Data used to assess water quality	No Beach Closures recorded in the last three years.
Spatial representation	Unknown.
Temporal representation	Unknown.
Data type	Unknown.
Use of standard method	Standard approaches were used.
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Other water body- or site-specific information including the age of the data were considered. All of the water quality measurements did not exceed the beach closure guidelines in the last three years. Staff confidence that standards are not exceeded is moderate.

Region 4: McGrath Lake
PCBs

Water Body	McGrath Lake
Stressor/Media/Beneficial Use	PCBs/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP and DFG
Linkage between measurement endpoint and benefical use or standard	Sediment toxicity and ERM-PEL are linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life.
Water Body-specific Information	Data 4-9 years old, environmental data measured at site/waterbody.
Data used to assess water quality	13 sediment samples, 7 samples exceeding. Sediment toxicity was observed associated with these chemistry measurements.
Spatial representation	Samples were collected spatially.
Temporal representation	4 different events in 4 different years
Data type	Numerical data.
Use of standard method	BPTCP methods.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff/aerial deposition from agriculture fields.
Alternative Enforceable Program	The Consolidated Toxic Hot Spots Cleanup Plan describes how the RWQCB will work with the McGrath State Beach Area Trustee Council to address cleanup of this site. While the planning has progressed, no remediation of the site has occurred. No responsible parties have been identified.
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses are applicable and apply to this water body. 4. The evaluation guideline used to interpret narrative water quality standards is adequate. 5. Data are numerical. 6. Standard methods were used. An adequate amount of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: McGrath Lake
Benthic Community Degradation

Water Body	McGrath Lake
Stressor/Media/Beneficial Use	Benthic Community Degradation/Sediment/Aquatic life
Data quality assessment. Extent to which data quality requirements met.	BPTCP
Linkage between measurement endpoint and benefical use or standard	A pollutant was not identified. Benthic community degradation is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Benthic community impacts are applicable to Aquatic Life.
Water Body-specific Information	Samples taken at site. Data 4 years old.
Data used to assess water quality	Benthic community impacts were identified as a pollutant rather than a condition of the water body. Pollutants such a PCBs and dieldrin that are recommended for listing cause or contribute to the observed benthic impacts.
Spatial representation	Unknown.
Temporal representation	Samples from one year.
Data type	Numerical data.
Use of standard method	BPTCP methods.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff an aerial deposition from urban and agricultural areas.
Alternative Enforceable Program	
RWQCB Recommendation	List due to benthic community degradation.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because the identified parameter is a condition for a water body and not a pollutant.

Region 4: McGrath Lake
Dieldrin

Water Body	McGrath Lake
Stressor/Media/Beneficial Use	Dieldrin/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP and DFG.
Linkage between measurement endpoint and benefical use or standard	Benthic community effects, sediment toxicity, and ERM-PEL is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	ERM-PELs are applicable to Aquatic Life.
Water Body-specific Information	Data 4-9 years old, environmental data measured at site/waterbody.
Data used to assess water quality	13 sediment samples, 10 samples exceeding. Sediment toxicity was observed.
Spatial representation	Samples were collected spatially.
Temporal representation	4 different events in 4 different years.
Data type	Numerical data.
Use of standard method	BPTCP methods.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff/aerial deposition from agriculture fields.
Alternative Enforceable Program	The Consolidated Toxic Hot Spots Cleanup Plan describes how the RWQCB will work with the McGrath State Beach Area Trustee Council to address cleanup of this site. While the planning has progressed, no remediation of the site has occurred. No responsible parties have been identified.
RWQCB Recommendation	List due to exceedances of ERM/PELs.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses are applicable and apply to this water body. 4. The evaluation guideline used to interpret narrative water quality standards is adequate. 5. Data are numerical. 6. Standard methods were used.

Region 4: McGrath Lake
Dieldrin

An adequate amount of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: McGrath Lake
Fecal Coliform

Water Body	McGrath Lake
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	Ventura Division of Environmental Health Services.
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform WQO is linked to REC-1.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to REC-1.
Water Body-specific Information	Data 0.5 - 3 years old, samples measured from site.
Data used to assess water quality	29 bacteria samples, 6 sample exceeding the geometric mean of 200/100 mL. Included in the 29 bacteria samples, 16 samples were collected in collected in the Spring of 2002. Five of the sixteen samples exceeded the 400 MPN/100 mL objective.
Spatial representation	5 sites.
Temporal representation	Spring, Summer, and Fall 1999-2000.
Data type	Numerical data.
Use of standard method	Ventura Division of Environmental Health Services.
Potential Source(s) of Pollutant	Agriculture, landfill runoff and natural sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: McGrath Lake
Total Pesticides

Water Body	McGrath Lake
Stressor/Media/Beneficial Use	Total Pesticides/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, stormwater runoff/aerial deposition from agriculture fields.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because individual chemical can be listed for exceedances of ERM-PELs.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because chemicals can be listed individually.

Region 4: Ormond Beach - Arnold Road
Bacterial Indicators

Water Body	Ormond Beach - Arnold Road
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to Bacterial Indicator water quality standard and are applicable to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	84 samples, 2 samples exceeding.
Spatial representation	1 station: VC(44000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	None.
RWQCB Recommendation	Do not list.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An inadequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were not exceeded is high.

Region 4: Ormond Beach - J Street drain (50 yards south of drain) Bacterial Indicators

Water Body	Ormond Beach - J Street drain (50 yards south of drain)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department.
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards which are applicable to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	99 samples, 13 samples exceeding.
Spatial representation	1 station: VC(42000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 8. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Ormond Beach - Oxnard Industrial drain (50 yards north of d + Bacterial Indicators

Water Body	Ormond Beach - Oxnard Industrial drain (50 yards north of drain)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards and are applicable to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	96 samples, 18 samples exceeding.
Spatial representation	1 station: VC(43000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Peck Road Park Lake
Trash

Water Body	Peck Road Park Lake
Stressor/Media/Beneficial Use	Trash/Water/Aquatic Life, REC-2
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	N/A
RWQCB Recommendation	TMDL Completed.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the TMDLs Completed List because a TMDL has been developed for the water body-pollutant combination. The TMDL has been approved by USEPA.

Region 4: Peninsula Beach (Beach area within two rock jetties) Bacterial Indicators

Water Body	Peninsula Beach (Beach area within two rock jetties)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department.
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	102 samples, 19 samples exceeding.
Spatial representation	1 station: VC(23000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	None.
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Piru Creek (Tributary to Santa Clara River Reach 4)
pH

Water Body	Piru Creek (Tributary to Santa Clara River Reach 4)
Stressor/Media/Beneficial Use	pH/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District.
Linkage between measurement endpoint and benefical use or standard	pH WQO is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to Aquatic Life.
Water Body-specific Information	Data 2-5 years old, samples collected at site.
Data used to assess water quality	24 water samples, 4 samples exceeding.
Spatial representation	Samples representative of the Reach.
Temporal representation	Quarterly sampling events.
Data type	Numerical data.
Use of standard method	United Water Conservation District.
Potential Source(s) of Pollutant	Nonpoint sources and Conservation Discharge Releases.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of natural sources, season and age of the data were considered. An adequate amount of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is low.

Region 4: Pole Creek (tributary to Santa Clara River R3)
Sulfate

Water Body	Pole Creek (tributary to Santa Clara River R3)
Stressor/Media/Beneficial Use	Sulfate/Water/Agriculture
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District
Linkage between measurement endpoint and benefical use or standard	Sulfate WQO is linked to Agriculture.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to Agriculture.
Water Body-specific Information	Data 2-5 years old, samples collected at site.
Data used to assess water quality	12 water samples, 11 sample exceeding.
Spatial representation	Limited.
Temporal representation	Less than quarterly sampling.
Data type	Numerical data.
Use of standard method	United Water Conservation District
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedance in WQO.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited limited spatial and sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of age of the data were considered. Most of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Pole Creek (tributary to Santa Clara River R3)
TDS

Water Body	Pole Creek (tributary to Santa Clara River R3)
Stressor/Media/Beneficial Use	TDS/Water/Agriculture
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District
Linkage between measurement endpoint and benefical use or standard	TDS WQO is linked to Agriculture.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to Agriculture.
Water Body-specific Information	Data 2-5 years old, samples collected at site.
Data used to assess water quality	12 water samples, 11 sample exceeding.
Spatial representation	Limited.
Temporal representation	Less than quarterly sampling.
Data type	Numerical data.
Use of standard method	United Water Conservation District.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedances in WQO.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited limited spatial and sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of age of the data were considered. Most of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Port Hueneme Harbor (back basins)
TBT

Water Body	Port Hueneme Harbor (back basins)
Stressor/Media/Beneficial Use	TBT/Tissue and Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP and Army Corp of Engineers
Linkage between measurement endpoint and benefical use or standard	Sediment chemistry linked to Aquatic Life, however linkage of tissue is unknown.
Utility of measure for judging if standards or uses are not attained	Tissue guidelines do not exist for assessment for TBT.
Water Body-specific Information	Data 1- 6 years old, collected at site, one sample event.
Data used to assess water quality	14 sediment samples in 1996, 20 sediment samples in 2001. Data on the number of samples exceeding was not presented.
Spatial representation	Samples were collected spatially.
Temporal representation	2 years of sampling.
Data type	Numerical data.
Use of standard method	BPTCP and US Army Corps of Engineer methods.
Potential Source(s) of Pollutant	Unknown.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because guideline for TBT in tissue do not exist and delist TBT in sediment because levels were low.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because there was not a foundation for listing. The tissue measurements could not be evaluated. Assessment guidelines for TBT do not exist. A TBT level in sediment were low.

Region 4: Port Hueneme Harbor (back basins)
PAHs

Water Body	Port Hueneme Harbor (back basins)
Stressor/Media/Beneficial Use	PAHs/Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP and Army Corp of Engineers
Linkage between measurement endpoint and benefical use or standard	Sediment chemistry is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Measurement based on Army Corp of Engineers, PAH were at a low levels.
Water Body-specific Information	Data 1- 6 years old, collected at site, one sample event.
Data used to assess water quality	14 sediment samples in 1996, 20 sediment samples in 2001, 0 samples exceeding.
Spatial representation	Samples were collected spatially.
Temporal representation	2 years of sampling.
Data type	Numerical.
Use of standard method	BPTCP method, US Army Corps of Engineers unknown.
Potential Source(s) of Pollutant	Unknown.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because PAHs appear to be low throughout most of the back basin area based on Army Corps of Engineers data.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. 7. Standard methods were used. 8. Other water body information including the age of the data was considered. None of the water quality measurements exceeded the water quality standard. The staff confidence that standards were not exceeded is high.

Region 4: Port Hueneme Harbor (back basins)
Zinc

Water Body	Port Hueneme Harbor (back basins)
Stressor/Media/Beneficial Use	Zinc/Tissue and Sediment/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP and Army Corp of Engineer
Linkage between measurement endpoint and benefical use or standard	Sediment chemistry linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	Tissue guidelines do not exist for assessment for zinc.
Water Body-specific Information	Data 1- 6 years old, collected at site, one sample event.
Data used to assess water quality	14 sediment samples in 1996, 20 sediment samples in 2001, 0 samples exceeding.
Spatial representation	Samples were collected spatially.
Temporal representation	2 years of sampling.
Data type	Numerical data.
Use of standard method	BPTCP and US Army Corps of Engineers methods.
Potential Source(s) of Pollutant	Unknown.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because guideline for zinc in tissue do not exist and delist zinc in sediment because levels were low.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because there was not a foundation for listing. The tissue measurements could not be evaluated. Assessment guidelines for zinc in tissue do not exist. Also zinc levels in sediment were low.

Region 4: Promenade Park - Figueroa Street
Bacterial Indicators

Water Body	Promenade Park - Figueroa Street
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards which are applicable to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	97 samples, 11 samples exceeding.
Spatial representation	1 station: VC(14000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	Do not list.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the age of the data were considered. An inadequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were not exceeded is moderate.

Region 4: Promenade Park - Holiday Inn (south of drain at California + Bacterial Indicators

Water Body	Promenade Park - Holiday Inn (south of drain at California Street)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards, which are applicable to Aquatic Life.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	105 samples, 19 samples exceeding.
Spatial representation	1 station: VC(17000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Promenade Park - Oak Street
Bacterial Indicators

Water Body	Promenade Park - Oak Street
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department.
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards, which are applicable to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	99 samples, 14 samples exceeding.
Spatial representation	1 station: VC(16000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 8. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Promenade Park - Redwood Apartments
Bacterial Indicators

Water Body	Promenade Park - Redwood Apartments
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standard, which are applicable to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	94 samples, 14 samples exceeding.
Spatial representation	1 station: VC(15000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 8. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Rincon Beach (150 yards south of creek mouth)
Bacterial Indicators

Water Body	Rincon Beach (150 yards south of creek mouth)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards, which are linked to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	104 samples, 23 samples exceeding.
Spatial representation	1 station: VC(1050). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 8. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Rincon Beach (at end of footpath)
Bacterial Indicators

Water Body	Rincon Beach (at end of footpath)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards, which are linked to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	101 samples, 15 samples exceeding.
Spatial representation	1 station: VC(1100). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 8. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Rincon Beach-50 yards south of creek mouth
Bacterial Indicators

Water Body	Rincon Beach-50 yards south of creek mouth
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards, which are linked to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	107 samples, 26 samples exceeding.
Spatial representation	1 station: VC(1000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 8. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Rio de Santa Clara/Oxnard Drain #3
Chem A

Water Body	Rio de Santa Clara/Oxnard Drain #3
Stressor/Media/Beneficial Use	Chem A/Tissue/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	Chem A MTRLs are linked to Fish Consumption..
Utility of measure for judging if standards or uses are not attained	MTRLs are applicable to Fish Consumption.
Water Body-specific Information	No data was presented.
Data used to assess water quality	No data was presented.
Spatial representation	No data was presented.
Temporal representation	No data was presented.
Data type	Unknown
Use of standard method	No data was presented.
Potential Source(s) of Pollutant	Historical use of pesticides and lubricants, storm water runoff and aerial deposition from agricultural fields.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because listing was based on NAS guidelines, which are outdated. Individual chemicals can be listing for exceedances in MTRLs as appropriate.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should not be removed from the section 303(d) list because the NAS guidelines are not outdated and remain a valid assessment tools. This guideline should continue to be used until an alternative value is available.

Region 4: Rio Hondo Reach 1
Ammonia

Water Body	Rio Hondo Reach 1
Stressor/Media/Beneficial Use	Ammonia/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	There was not new data assessed for this water body-pollution combination.
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	No new data were submitted that indicates that water quality standards are met.
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Point sources
Alternative Enforceable Program	An alternative enforceable program is in place that will address ammonia water quality standards exceedances for this reach. In June 1995, the seven water reclamation plants discharging in the San Gabriel River and Santa Clara River watersheds received NPDES permits containing requirements regarding compliance with the Basin Plan water quality objectives for ammonia. In accordance with these permits, the Los Angeles County Sanitation Districts have been pursuing the addition of nitrification and denitrification facilities at each of these plants to comply with the ammonia objectives. By June 2003, it is expected that these new facilities will be operational and ammonia will be drastically reduced. Research facility operation shows that the monthly average ammonia concentration fully complies with the chronic ammonia objective that are expected to be applicable in June 2003. It is probable that the majority of ammonia discharged to this water body was contributed by POTWs. Information in the record indicates that the majority (over 95%) of the ammonia in the Los Angeles River was contributed by POTWs. It is probable that the contribution in the San Gabriel River watershed is dominated by contributions from POTWs as well. Generally, concentrations of ammonia upstream of the treatment plants is much lower than downstream concentrations (up to an order of magnitude difference).
RWQCB Recommendation	None.

Region 4: Rio Hondo Reach 1
Ammonia

SWRCB Staff Recommendation	After reviewing the available data and information for this recommendation, SWRCB staff conclude that the water body should be placed on the Enforceable Program list because applicable water quality standards are exceeded and another program will address the problem.

Region 4: Rio Hondo Reach 2
Ammonia

Water Body	Rio Hondo Reach 2
Stressor/Media/Beneficial Use	Ammonia/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	There was not new data assessed for this water body-pollution combination.
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	No new data were submitted that indicates that water quality standards are met.
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Point sources
Alternative Enforceable Program	An alternative enforceable program is in place that will address ammonia water quality standards exceedances for this reach. In June 1995, the seven water reclamation plants discharging in the San Gabriel River and Santa Clara River watersheds received NPDES permits containing requirements regarding compliance with the Basin Plan water quality objectives for ammonia. In accordance with these permits, the Los Angeles County Sanitation Districts have been pursuing the addition of nitrification and denitrification facilities at each of these plants to comply with the ammonia objectives. By June 2003, it is expected that these new facilities will be operational and ammonia will be drastically reduced. Research facility operation shows that the monthly average ammonia concentration fully complies with the chronic ammonia objective that are expected to be applicable in June 2003. It is probable that the majority of ammonia discharged to this water body was contributed by POTWs. Information in the record indicates that the majority (over 95%) of the ammonia in the Los Angeles River was contributed by POTWs. It is probable that the contribution in the San Gabriel River watershed is dominated by contributions from POTWs as well. Generally, concentrations of ammonia upstream of the treatment plants is much lower than downstream concentrations (up to an order of magnitude difference).
RWQCB Recommendation	None.

Region 4: Rio Hondo Reach 2
Ammonia

SWRCB Staff Recommendation	After reviewing the available data and information for this recommendation, SWRCB staff conclude that the water body should be placed on the Enforceable Program list because applicable water quality standards are exceeded and another program will address the problem.

Region 4: San Antonio Creek (Tributary to Ventura River Reach 4)
Total Nitrogen

Water Body	San Antonio Creek (Tributary to Ventura River Reach 4)
Stressor/Media/Beneficial Use	Total nitrogen/Water/WQO
Data quality assessment. Extent to which data quality requirements met.	Ojai Valley Wastewater Treatment Plant.
Linkage between measurement endpoint and benefical use or standard	Total Nitrogen WQO is applicable.
Utility of measure for judging if standards or uses are not attained	Exceedance of Basin Plan WQO of 5 mg/L for Nitrogen is applicable.
Water Body-specific Information	Data is 2-6 year old, data measured in the waterbody, samples collected different in seasons and years.
Data used to assess water quality	23 water samples, 4 samples exceeding.
Spatial representation	2 sites.
Temporal representation	Winter 1998 - Summer 2000.
Data type	Numerical data.
Use of standard method	Ojai Valley Wastewater Treatment Plant
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to greater than 10% exceedance of the nitrogen objective.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. An adequate amount of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: San Buenaventura Beach (Kalorama Street and Sanjon testing + Bacterial Indicators

Water Body	San Buenaventura Beach (Kalorama Street and Sanjon testing sites)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department.
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards, which are linked to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	101 samples, 14 samples exceeding.
Spatial representation	1 station: VC(18000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: San Buenaventura Beach (south of drain at Dover Lane) Bacterial Indicators

Water Body	San Buenaventura Beach (south of drain at Dover Lane)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards, which are linked to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	100 samples, 8 samples exceeding.
Spatial representation	1 station: VC(20000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	Do not list.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An inadequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were not exceeded is high.

Region 4: San Buenaventura Beach (south of drain at San Jon Road) Bacterial Indicators

Water Body	San Buenaventura Beach (south of drain at San Jon Road)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards, which are linked to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	103 samples, 20 samples exceeding.
Spatial representation	1 station: VC(19000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 8. Other water body- or site-specific information including the effects of age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: San Buenaventura Beach (south of drain at Weymouth Lane) Bacterial Indicators

Water Body	San Buenaventura Beach (south of drain at Weymouth Lane)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards, which are linked to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	97 samples, 2 samples exceeding.
Spatial representation	1 station: VC(20000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	Do not list.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An inadequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were not exceeded is high.

Region 4: San Gabriel River East Fork
Trash

Water Body	San Gabriel River East Fork
Stressor/Media/Beneficial Use	Trash/Water/Aquatic Life, REC-2
Data quality assessment. Extent to which data quality requirements met.	N/A
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	N/A
RWQCB Recommendation	TMDL Completed.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the TMDLs Completed List because a TMDL has been developed for the water body-pollutant combination. The TMDL has been approved by USEPA.

Region 4: San Gabriel River Estuary
Arsenic

Water Body	San Gabriel River Estuary
Stressor/Media/Beneficial Use	Arsenic/Tissue/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	QAPP
Linkage between measurement endpoint and benefical use or standard	Arsenic MTRLs are linked to Fish Consumption.
Utility of measure for judging if standards or uses are not attained	MTRLs guidelines for arsenic do not exist.
Water Body-specific Information	N/A
Data used to assess water quality	Not applicable
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	N/A
RWQCB Recommendation	Delist because there is no longer a MTRL for arsenic.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because MTRL for arsenic in tissue do not exist.

Region 4: San Gabriel River Estuary
Trash

Water Body	San Gabriel River Estuary
Stressor/Media/Beneficial Use	Trash/Water/REC-1, REC-2 and Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Quality assurance information was not provided.
Linkage between measurement endpoint and benefical use or standard	Trash is linked to Aquatic Life and REC-2.
Utility of measure for judging if standards or uses are not attained	Photographs can indicate gross impacts on beneficial uses and whether standards have been exceeded. Measurements of the amounts of trash can provide a relative measure of the potential for nuisance.
Water Body-specific Information	Photographs of conditions in the estuary were provided. Data on beach and riverbed debris removal were also submitted.
Data used to assess water quality	Photographic evidence of the accumulation of trash was provided in the vicinity of the confluence of Coyote Creek with the San Gabriel River Estuary. Nineteen photographs were submitted depicting locations along the River and Estuary. The trash included plastic bottles, styrofoam cups, paper wrappers, wood debris, shopping carts, shoes, and other unidentifiable debris. Summary of Beach Debris Removal January-December 2001 572.43 tons January-June 2002 16 tons
Spatial representation	Photographs were taken at two locations. Beach cleanup was conducted at Seal Beach and in the riverbed. It is unknown what percentage of the cleanup volume is from the riverbed.
Temporal representation	Photographs taken on three dates: 10/29/2000, 11/04/2000, and 11/05/2000. Monthly volunteer trash removal was performed between January 2001 and June 2002.
Data type	Numerical and Non-numerical data.
Use of standard method	Unknown.
Potential Source(s) of Pollutant	Probably storm water discharge.
Alternative Enforceable Program	The storm water permit could address this problem but likely does not have the enforceable provisions to do so now.
RWQCB Recommendation	List because of non-attainment of the narrative objective for floating and settleable materials objective described in the Basin Plan.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the Monitoring List because the data are inadequate to determine if applicable water quality standards are exceeded. This conclusion is based on the staff findings that:

1. The data is considered to be of unknown quality.
2. The data exhibited insufficient spatial and temporal coverage.

An inadequate amount of the measurements exceeded the water quality standard. The staff confidence that standards were exceeded is low.

Region 4: San Gabriel River Estuary
Ammonia as Nitrogen

Water Body	San Gabriel River Estuary
Stressor/Media/Beneficial Use	Ammonia as Nitrogen/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Los Angeles County Sanitation District as part of the receiving water monitoring program for the San Jose Creek Water Reclamation Plant.
Linkage between measurement endpoint and benefical use or standard	Ammonia CTR and WQO is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	CTR and WQO are applicable Aquatic Life.
Water Body-specific Information	Data 2-3 years old, data measure from site, samples taken different seasons and years.
Data used to assess water quality	117 water samples, 34 exceeding samples.
Spatial representation	3 sites.
Temporal representation	Summer 1997, fall 1998, spring 2000.
Data type	Numerical data.
Use of standard method	Los Angeles County Sanitation District as part of the receiving water monitoring program for the San Jose Creek Water Reclamation plan.
Potential Source(s) of Pollutant	Point sources.
Alternative Enforceable Program	An alternative enforceable program is in place that will address ammonia water quality standards exceedances for this reach. In June 1995, the seven water reclamation plants discharging in the San Gabriel River and Santa Clara River watersheds received NPDES permits containing requirements regarding compliance with the Basin Plan water quality objectives for ammonia. In accordance with these permits, the Los Angeles County Sanitation Districts have been pursuing the addition of nitrification and denitrification facilities at each of these plants to comply with the ammonia objectives. By June 2003, it is expected that these new facilities will be operational and ammonia will be drastically reduced. Research facility operation shows that the monthly average ammonia concentration fully complies with the chronic ammonia objective that are expected to be applicable in June 2003. It is probable that the majority of ammonia discharged to this water body was contributed by POTWs. Information in the record indicates that the majority (over 95%) of the ammonia in the Los Angeles River was contributed by POTWs. It is probable that the contribution in the San Gabriel River watershed is dominated by contributions from POTWs as well. Generally, concentrations of ammonia upstream of the treatment plants is much lower than downstream concentrations (up to an order of

	magnitude difference).
RWQCB Recommendation	List due to non attainment of the ammonia aquatic life chronic criteria.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the Enforceable Program list because applicable water quality standards are exceeded and another program will address the problem.

Region 4: San Gabriel River Reach 1
Ammonia

Water Body	San Gabriel River Reach 1
Stressor/Media/Beneficial Use	Ammonia/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	New data was not assessed for this water body-pollution combination.
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	No new data were submitted that indicates that water quality standards are met.
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Point sources.
Alternative Enforceable Program	An alternative enforceable program is in place that will address ammonia water quality standards exceedances for this reach. In June 1995, the seven water reclamation plants discharging in the San Gabriel River and Santa Clara River watersheds received NPDES permits containing requirements regarding compliance with the Basin Plan water quality objectives for ammonia. In accordance with these permits, the Los Angeles County Sanitation Districts have been pursuing the addition of nitrification and denitrification facilities at each of these plants to comply with the ammonia objectives. By June 2003, it is expected that these new facilities will be operational and ammonia will be drastically reduced. Research facility operation shows that the monthly average ammonia concentration fully complies with the chronic ammonia objective that are expected to be applicable in June 2003. It is probable that the majority of ammonia discharged to this water body was contributed by POTWs. Information in the record indicates that the majority (over 95%) of the ammonia in the Los Angeles River was contributed by POTWs. It is probable that the contribution in the San Gabriel River watershed is dominated by contributions from POTWs as well. Generally, concentrations of ammonia upstream of the treatment plants is much lower than downstream concentrations (up to an order of magnitude difference).
RWQCB Recommendation	None.

Region 4: San Gabriel River Reach 1
Ammonia

SWRCB Staff Recommendation	After reviewing the available data and information for this recommendation, SWRCB staff conclude that the water body should be placed on the Enforceable Program list because applicable water quality standards are exceeded and another program will address the problem.

Region 4: San Gabriel River Reach 1
Toxicity

Water Body	San Gabriel River Reach 1
Stressor/Media/Beneficial Use	Toxicity/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data submitted in the 2000 NPDES Annual Monitoring Reports of the Long Beach and Valencia Water Reclamation Plants.
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	Receiving water stations downstream of the Long Beach WRP on Coyote Creek in 1999-2000.
Data used to assess water quality	Chronic toxicity has been detected at receiving water stations downstream of the Long Beach WRP on Coyote Creek in 1999-2000 and downstream of the Valencia WRP on the Santa Clara River during 2000. Toxicity identification evaluations have been performed using zeolite filtration to control ammonia toxicity. The test results indicated ammonia was likely the principal cause of toxicity.
Spatial representation	Receiving water stations downstream of the Long Beach WRP on Coyote Creek and downstream of the Valencia WRP on the Santa Clara River.
Temporal representation	Toxicity identification evaluation completed: 1999-2000.
Data type	Numerical data.
Use of standard method	Unknown.
Potential Source(s) of Pollutant	Point sources.
Alternative Enforceable Program	An alternative enforceable program is in place that will address ammonia water quality standards exceedances for this reach. If ammonia concentrations are reduced it is very likely that the observed toxicity will be removed as well. In June 1995, the seven water reclamation plants discharging in the San Gabriel River and Santa Clara River watersheds received NPDES permits containing requirements regarding compliance with the Basin Plan water quality objectives for ammonia. In accordance with these permits, the Los Angeles County Sanitation Districts have been pursuing the addition of nitrification and denitrification facilities at each of these plants to comply with the ammonia objectives. By June 2003, it is expected that these new facilities will be operational and ammonia will be drastically reduced. Research facility operation shows that the monthly average ammonia concentration fully complies with the chronic ammonia objective that are expected to be applicable in June 2003. It is probable that the majority of ammonia discharged to this water body was contributed by POTWs.

Region 4: San Gabriel River Reach 1
Toxicity

RWQCB Recommendation	None.
SWRCB Staff Recommendation	After reviewing the available data and information for this recommendation, SWRCB staff conclude that the water body should be placed on the Enforceable Program list because applicable water quality standards are exceeded and another program will address the problem.

Region 4: San Gabriel River Reach 2
Ammonia

Water Body	San Gabriel River Reach 2
Stressor/Media/Beneficial Use	Ammonia/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	New data was not assessed for this water body-pollution combination.
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	No new data were submitted that indicates that water quality standards are met.
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Point sources.
Alternative Enforceable Program	An alternative enforceable program is in place that will address ammonia water quality standards exceedances for this reach. In June 1995, the seven water reclamation plants discharging in the San Gabriel River and Santa Clara River watersheds received NPDES permits containing requirements regarding compliance with the Basin Plan water quality objectives for ammonia. In accordance with these permits, the Los Angeles County Sanitation Districts have been pursuing the addition of nitrification and denitrification facilities at each of these plants to comply with the ammonia objectives. By June 2003, it is expected that these new facilities will be operational and ammonia will be drastically reduced. Research facility operation shows that the monthly average ammonia concentration fully complies with the chronic ammonia objective that are expected to be applicable in June 2003. It is probable that the majority of ammonia discharged to this water body was contributed by POTWs. Information in the record indicates that the majority (over 95%) of the ammonia in the Los Angeles River was contributed by POTWs. It is probable that the contribution in the San Gabriel River watershed is dominated by contributions from POTWs as well. Generally, concentrations of ammonia upstream of the treatment plants is much lower than downstream concentrations (up to an order of magnitude difference).
RWQCB Recommendation	None.

Region 4: San Gabriel River Reach 2
Ammonia

SWRCB Staff Recommendation	After reviewing the available data and information for this recommendation, SWRCB staff conclude that the water body should be placed on the Enforceable Program list because applicable water quality standards are exceeded and another program will address the problem.

Region 4: San Gabriel River Reach 3
Toxicity

Water Body	San Gabriel River Reach 3
Stressor/Media/Beneficial Use	Toxicity/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Data submitted in the 2000 NPDES Annual Monitoring Reports of the Long Beach and Valencia Water Reclamation Plants.
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	Receiving water stations downstream of the Long Beach WRP on Coyote Creek in 1999-2000.
Data used to assess water quality	Chronic toxicity has been detected at receiving water stations downstream of the Long Beach WRP on Coyote Creek in 1999-2000 and downstream of the Valencia WRP on the Santa Clara River during 2000. Toxicity identification evaluations have been performed using zeolite filtration to control ammonia toxicity. The test results indicated ammonia was likely the principal cause of toxicity.
Spatial representation	Receiving water stations downstream of the Long Beach WRP on Coyote Creek and downstream of the Valencia WRP on the Santa Clara River.
Temporal representation	Toxicity identification evaluation completed: 1999-2000.
Data type	Numerical data
Use of standard method	Unknown.
Potential Source(s) of Pollutant	Point sources.
Alternative Enforceable Program	An alternative enforceable program is in place that will address ammonia water quality standards exceedances for this reach. If ammonia concentrations are reduced it is very likely that the observed toxicity will be removed as well. In June 1995, the seven water reclamation plants discharging in the San Gabriel River and Santa Clara River watersheds received NPDES permits containing requirements regarding compliance with the Basin Plan water quality objectives for ammonia. In accordance with these permits, the Los Angeles County Sanitation Districts have been pursuing the addition of nitrification and denitrification facilities at each of these plants to comply with the ammonia objectives. By June 2003, it is expected that these new facilities will be operational and ammonia will be drastically reduced. Research facility operation shows that the monthly average ammonia concentration fully complies with the chronic ammonia objective that are expected to be applicable in June 2003. It is probable that the majority of ammonia discharged to this water body was contributed by POTWs.

Region 4: San Gabriel River Reach 3
Toxicity

RWQCB Recommendation	None.
SWRCB Staff Recommendation	After reviewing the available data and information for this recommendation, SWRCB staff conclude that the water body should be placed on the Enforceable Program list because applicable water quality standards are exceeded and another program will address the problem.

Region 4: San Gabriel River, Reach 2
Dissolved Zinc

Water Body	San Gabriel River, Reach 2
Stressor/Media/Beneficial Use	Dissolved Zinc/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Stormwater Monitoring Program
Linkage between measurement endpoint and benefical use or standard	Dissolved Zinc CTR is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	CTR is applicable to Aquatic Life.
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, sample taken different seasons and years.
Data used to assess water quality	26 water samples, 4 samples exceeding.
Spatial representation	One site.
Temporal representation	Fall, winter, and spring (1997-2000).
Data type	Numerical data.
Use of standard method	Stormwater Monitoring Program
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to a greater than 10% exceedance of dissolved zinc recommended water criteria for protection of fresh water aquatic life.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: San Gabriel River, Reach 2
Dissolved Copper

Water Body	San Gabriel River, Reach 2
Stressor/Media/Beneficial Use	Dissolved Copper/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Stormwater Monitoring Program
Linkage between measurement endpoint and benefical use or standard	Dissolved Copper CTR is linked to Aquatic Life.
Utility of measure for judging if standards or uses are not attained	CTR is applicable to Aquatic Life.
Water Body-specific Information	Data 2-5 years old, data measured in waterbody, sample taken different seasons and years.
Data used to assess water quality	26 water samples, 7 samples exceeding.
Spatial representation	1 site (S 14).
Temporal representation	Fall, winter, spring (1997-2000).
Data type	Numerical data.
Use of standard method	Stormwater Monitoring Program.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedances of the dissolved chronic criterion.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: San Jose Creek Reach 1 (SG Confluence to Temple St.) Ammonia

Water Body	San Jose Creek Reach 1 (SG Confluence to Temple St.)
Stressor/Media/Beneficial Use	Ammonia/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	New data was not assessed for this water body-pollution combination.
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	New data was not submitted that indicates that water quality standards are met.
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Point sources
Alternative Enforceable Program	An alternative enforceable program is in place that will address ammonia water quality standards exceedances for this Reach. In June 1995, the seven water reclamation plants discharging in the San Gabriel River and Santa Clara River watersheds received NPDES permits containing requirements regarding compliance with the Basin Plan water quality objectives for ammonia. In accordance with these permits, the Los Angeles County Sanitation Districts have been pursuing the addition of nitrification and denitrification facilities at each of these plants to comply with the ammonia objectives. By June 2003, it is expected that these new facilities will be operational and ammonia will be drastically reduced. Research facility operation shows that the monthly average ammonia concentration fully complies with the chronic ammonia objective that are expected to be applicable in June 2003. It is probable that the majority of ammonia discharged to this water body was contributed by POTWs. Information in the record indicates that the majority (over 95%) of the ammonia in the Los Angeles River was contributed by POTWs. It is probable that the contribution in the San Gabriel River watershed is dominated by contributions from POTWs as well. Generally, concentrations of ammonia upstream of the treatment plants is much lower than downstream concentrations (up to an order of magnitude difference).
RWQCB Recommendation	None.

Region 4: San Jose Creek Reach 1 (SG Confluence to Temple St.) Ammonia

SWRCB Staff Recommendation	After reviewing the available data and information for this recommendation, SWRCB staff conclude that the water body should be placed on the Enforceable Program list because applicable water quality standards are exceeded and another program will address the problem.

Region 4: San Jose Creek Reach 2 (Temple St. to I 10 at White Ave.) Ammonia

Water Body	San Jose Creek Reach 2 (Temple St. to I 10 at White Ave.)
Stressor/Media/Beneficial Use	Ammonia/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	New data was not assessed for this water body-pollution combination.
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	New data was not submitted that indicates that water quality standards are met.
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Point sources
Alternative Enforceable Program	An alternative enforceable program is in place that will address ammonia water quality standards exceedances for this Reach. In June 1995, the seven water reclamation plants discharging in the San Gabriel River and Santa Clara River watersheds received NPDES permits containing requirements regarding compliance with the Basin Plan water quality objectives for ammonia. In accordance with these permits, the Los Angeles County Sanitation Districts have been pursuing the addition of nitrification and denitrification facilities at each of these plants to comply with the ammonia objectives. By June 2003, it is expected that these new facilities will be operational and ammonia will be drastically reduced. Research facility operation shows that the monthly average ammonia concentration fully complies with the chronic ammonia objective that are expected to be applicable in June 2003. It is probable that the majority of ammonia discharged to this water body was contributed by POTWs. Information in the record indicates that the majority (over 95%) of the ammonia in the Los Angeles River was contributed by POTWs. It is probable that the contribution in the San Gabriel River watershed is dominated by contributions from POTWs as well. Generally, concentrations of ammonia upstream of the treatment plants is much lower than downstream concentrations (up to an order of magnitude difference).
RWQCB Recommendation	None.

Region 4: San Jose Creek Reach 2 (Temple St. to I 10 at White Ave.) Ammonia

SWRCB Staff Recommendation	After reviewing the available data and information for this recommendation, SWRCB staff conclude that the water body should be placed on the Enforceable Program list because applicable water quality standards are exceeded and another program will address the problem.

Region 4: San Jose Creek, Reach 1 (SG Confluence to Temple St.) and R + pH

Water Body	San Jose Creek, Reach 1 (SG Confluence to Temple St.) and Reach 2 (Temple St. to I 10 at White Ave.)
Stressor/Media/Beneficial Use	pH/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	San Jose Creek Reclamation Facility
Linkage between measurement endpoint and benefical use or standard	pH WQO is linked to Aquatic Life. The Basin Plan states: pH of inland surface waters shall not be depressed below 6.5 or raised above 8.5 as a result of waste discharges. Ambient pH levels shall not be changed more than 0.5 units from natural conditions as a result of waste discharge.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to Aquatic Life.
Water Body-specific Information	Data 1-5 years old, data measure in waterbody, samples taken in different years in summer and fall.
Data used to assess water quality	474 water samples, 180 samples exceeding. However, stations downstream of the WWRP are in compliance with the Basin Plan water quality objective. Therefore, it does not appear that the elevated pH levels are a result of waste discharge. There is no storm water or nonpoint source monitoring data available.
Spatial representation	Upstream of San Jose Creek and nonpoint source discharge from urban runoff.
Temporal representation	Throughout 7/1997 and 9/2000.
Data type	Numerical data.
Use of standard method	San Jose Creek Reclamation Facility.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List due to pH exceedance above 8.5.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be excluded from the list because the linkage between the pH level and waste discharge cannot be determined. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. There is no linkage between exceedance in pH values and waste discharge.

Region 4: San Jose Creek, Reach 1 (SG Confluence to Temple St.) and R + pH

Compliance with the water quality standard cannot be determined because there are not data showing the elevated pH levels are a result of waste discharge. Staff confidence that standards were exceeded is low.

Region 4: Santa Clara River Estuary
Chem A

Water Body	Santa Clara River Estuary
Stressor/Media/Beneficial Use	Chem A/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	BPTCP and TSMP
Linkage between measurement endpoint and benefical use or standard	Chem A NAS guidelines are linked to Aquatic Life .
Utility of measure for judging if standards or uses are not attained	NAS guidelines are applicable to Aquatic Life.
Water Body-specific Information	Data was not presented.
Data used to assess water quality	Data was not presented.
Spatial representation	Data was not presented.
Temporal representation	Data was not presented.
Data type	Data was not presented.
Use of standard method	TSMP and BPTCP methods.
Potential Source(s) of Pollutant	Unknown
Alternative Enforceable Program	
RWQCB Recommendation	Originally recommended for delisting because listing was based on NAS outdated guidelines. Reevaluation resulted in a recommendation to maintain on list because Chem A group are not outdated and are still valid guidelines set by NAS to protect aquatic life.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concludes that the water body should not be removed from the section 303(d) list because applicable guidelines are not outdated and there is no new information to support delisting.

Region 4: Santa Clara River Estuary Beach-Surfer's Knoll (area of Bea + Bacterial Indicators

Water Body	Santa Clara River Estuary Beach-Surfer's Knoll (area of Beach adjacent to parking lot)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards, which is linked to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	95 samples, 7 samples exceeding.
Spatial representation	1 station: VC(25000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	Do not list.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because applicable water quality standards are exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An inadequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were not exceeded is moderate.

Region 4: Santa Clara River Estuary Beach/Surfer's Knoll Fecal Coliform

Water Body	Santa Clara River Estuary Beach/Surfer's Knoll
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	Ventura Division of Environmental Health Services
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform Ocean Plan standard is linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Ocean Plan WQO is applicable to REC-1.
Water Body-specific Information	Data 2-4 years old, samples collected at site, collected during all seasons.
Data used to assess water quality	102 fecal coliform bacteria samples, 0% samples exceeding in 400 MPN/100 ml.
Spatial representation	2 sites.
Temporal representation	Fall, winter, spring, summer, fall (1987-2000).
Data type	Numerical data.
Use of standard method	Ventura Division of Environmental Health Services methods.
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because Ocean Plan WQO for fecal coliform was met.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. The evaluation guideline used to interpret narrative water quality standards is adequate. 6. Data are numerical. The Ocean Plan total coliform objective of samples exceeding 1000 MPN/100ml is met. 7. Standard methods were used. 8. Other water body specific information including the effects of season and age of the data were considered. None of the water quality measurements exceeded the water quality standard. The staff confidence that standards were not exceeded is high.

Region 4: Santa Clara River Estuary Beach/Surfer's Knoll
Total Coliform

Water Body	Santa Clara River Estuary Beach/Surfer's Knoll
Stressor/Media/Beneficial Use	Total Coliform/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	Ventura Division of Environmental Health Services
Linkage between measurement endpoint and benefical use or standard	Total Coliform Ocean Plan standard is linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Ocean Plan standards are applicable to REC-1.
Water Body-specific Information	Data 2-4 years old, samples collected at site, collected during all seasons.
Data used to assess water quality	102 total coliform bacteria samples, 5 samples exceeding 1000 MPN/100mL.
Spatial representation	2 sites.
Temporal representation	Fall, winter, spring, summer, fall (1987-2000).
Data type	Numerical data.
Use of standard method	Ventura Division of Environmental Health Services methods.
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because Ocean Plan standard for total coliform was met.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. The Ocean Plan total coliform objective of samples exceeding 1000 MPN/100ml is met. 6. Standard methods were used. 7. Other water body specific information including the effects of season and age of the data were considered. An inadequate amount of the water quality measurements exceeded the water quality standard. The staff confidence that standards were not exceeded is high.

Region 4: Santa Clara River Reach 3
Nitrite as Nitrogen

Water Body	Santa Clara River Reach 3
Stressor/Media/Beneficial Use	Nitrite as Nitrogen/Water/Agriculture and Groundwater Recharge
Data quality assessment. Extent to which data quality requirements met.	POTW and United Water Conservation District, Department of Water Resources
Linkage between measurement endpoint and benefical use or standard	Nitrite as Nitrogen WQO is linked to Agriculture and Groundwater Recharge.
Utility of measure for judging if standards or uses are not attained	WQO are applicable to Agriculture and Groundwater Recharge.
Water Body-specific Information	Data 2-5 years old, samples collected at site.
Data used to assess water quality	70 water samples, 5 samples exceeding.
Spatial representation	Samples are representative of Reach.
Temporal representation	Quarterly sampling events.
Data type	Numerical data.
Use of standard method	POTW and United Water Conservation District, Department of Water Resources methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List. However reevaluation of data including non detected values at 1/2 the minimum detection level did not exceed Basin Plan Water Quality Objectives for nitrite as nitrogen.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used are applicable. 5. Data are numerical and calculations including non detected values at 1/2 of the minimum detection level were included in the data evaluation. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. An inadequate number of the water quality measurements exceeded the water quality standards. Staff confidence that standards were not exceeded is moderate.

Region 4: Santa Clara River Reach 3
Total Dissolved Solids

Water Body	Santa Clara River Reach 3
Stressor/Media/Beneficial Use	Total Dissolved Solids/Water/Groundwater Recharge and Agriculture
Data quality assessment. Extent to which data quality requirements met.	POTW, United Water Conservation District, Department of Water Resources
Linkage between measurement endpoint and benefical use or standard	Basin Plan WQO linked to Agriculture and Groundwater Recharge.
Utility of measure for judging if standards or uses are not attained	Basin Plan WQO exceedances are applicable.
Water Body-specific Information	Data 2-5 years old, samples collected at site.
Data used to assess water quality	189 water samples, 38 sample exceeding.
Spatial representation	Samples representative of Reach.
Temporal representation	Quarterly sampling events.
Data type	Numerical data.
Use of standard method	POTW, United Water Conservation District, Department of Water Resources methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other site-specific information including the effects of season and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Santa Clara River Reach 3
Nitrite and Nitrate as Nitrogen

Water Body	Santa Clara River Reach 3
Stressor/Media/Beneficial Use	Nitrite and Nitrate as Nitrogen/Water/Agriculture and Groundwater Recharge
Data quality assessment. Extent to which data quality requirements met.	POTW and United Water Conservation District, Department of Water Resources
Linkage between measurement endpoint and benefical use or standard	Nitrite and Nitrate as Nitrogen WQO linked to Agriculture and Groundwater Recharge.
Utility of measure for judging if standards or uses are not attained	WQOs are applicable to Agriculture and Groundwater Recharge.
Water Body-specific Information	Data 2-5 years old, samples collected at site.
Data used to assess water quality	53 water samples, 5 samples exceeding.
Spatial representation	Samples are representative of Reach.
Temporal representation	Quarterly sampling events.
Data type	Numerical data.
Use of standard method	POTW and United Water Conservation District, Department of Water Resources methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List. Reevaluation of data including non detected values at 1/2 the minimum detection level still exceeded Basin Plan Water Quality Objectives for nitrate and nitrite as nitrogen.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used are applicable. 5. Data are numerical and calculations including non- detected values at 1/2 of the minimum detection level exceeded water quality objectives. 6. Standard methods were used. 7. Other water body information including the effects of season, storm events, and age of the data were considered.

Region 4: Santa Clara River Reach 3
Nitrite and Nitrate as Nitrogen

An inadequate number of the water quality measurements exceeded the water quality standards. Staff confidence that standards were exceeded is low.

Region 4: Santa Clara River Reach 7
Ammonia

Water Body	Santa Clara River Reach 7
Stressor/Media/Beneficial Use	Ammonia/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	New data was not assessed for this water body-pollution combination.
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	New data was not submitted that indicates that water quality standards are met.
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Point sources.
Alternative Enforceable Program	An alternative enforceable program is in place that will address ammonia water quality standards exceedances for this Reach. In June 1995, the seven water reclamation plants discharging in the San Gabriel River and Santa Clara River watersheds received NPDES permits containing requirements regarding compliance with the Basin Plan water quality objectives for ammonia. In accordance with these permits, the Los Angeles County Sanitation Districts have been pursuing the addition of nitrification and denitrification facilities at each of these plants to comply with the ammonia objectives. By June 2003, it is expected that these new facilities will be operational and ammonia will be drastically reduced. Research facility operation shows that the monthly average ammonia concentration fully complies with the chronic ammonia objective that are expected to be applicable in June 2003. It is probable that the majority of ammonia discharged to this water body was contributed by POTWs. Information in the record indicates that the majority (over 95%) of the ammonia in the Los Angeles River was contributed by POTWs. It is probable that the contribution in the San Gabriel River watershed is dominated by contributions from POTWs as well. Generally, concentrations of ammonia upstream of the treatment plants is much lower than downstream concentrations (up to an order of magnitude difference).
RWQCB Recommendation	None.

Region 4: Santa Clara River Reach 7
Ammonia

SWRCB Staff Recommendation	After reviewing the available data and information for this recommendation, SWRCB staff conclude that the water body should be placed on the Enforceable Program list because applicable water quality standards are exceeded and another program will address the problem.

Region 4: Santa Clara River Reach 8
Organic Enrichment-Low Dissolved

Water Body	Santa Clara River Reach 8
Stressor/Media/Beneficial Use	Organic Enrichment-Low Dissolved Oxygen/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	Dissolved Oxygen: Collection of data under quality assurance related to NPDES monitoring and RWQCB monitoring related to development of the nitrogen TMDL. Algae data from two sources: Quality assurance for the first dataset performed by scientists from UC Los Angeles; unknown quality assurance associated with data collected by citizen monitoring effort.
Linkage between measurement endpoint and benefical use or standard	Organic Enrichment-Low Dissolved WQO is linked to Aquatic Life. The RWQCB used the percentage of cover of algae as a surrogate for organic enrichment. No measurements of total organic carbon, dissolved organic carbon, etc. were available. Algae growth can be a result of increased nutrients or decreased cover. Algae measurements by themselves are poor indicators of organic enrichment, because many factors influence algae growth.
Utility of measure for judging if standards or uses are not attained	Organic Enrichment-Low Dissolved WQO is applicable to Aquatic Life. Algae percent cover may or may not be related to organic enrichment.
Water Body-specific Information	Data is up to three years old.
Data used to assess water quality	Dissolved oxygen: 144 samples, 2 samples exceeding. The original listing in 1996 was based on measurements ranging from 4.2 mg/L to 10.8 mg/L (with a mean of 7.4 mg/L). Algae data: 10 observations of floating algae with two of the observations exceeding the threshold (the same threshold used for Malibu Creek).
Spatial representation	Dissolved Oxygen: One site. Algae data: 2 sampling locations (the length of the sampling locations is approximately one mile).
Temporal representation	Dissolved oxygen: All samples taken between 9 a.m. and 2 p.m. Samples collected monthly during 1999 and 2001. Algae data: Sampling was completed in Summer and Fall.
Data type	Numerical data.
Use of standard method	Dissolved Oxygen: NPDES methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	Do not list due to poor data distribution.

Region 4: Santa Clara River Reach 8
Organic Enrichment-Low Dissolved

SWRCB Staff Recommendation

After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list and place on the Monitoring List because applicable water quality standards are not exceeded and the lack of QA/QC.

This conclusion is based on the staff findings that:
1. The dissolved oxygen data is considered to be of adequate quality.
2. The data exhibited insufficient temporal coverage.
3. Beneficial uses apply to the water body.
4. Other water body- or site-specific information including the effects of age of the data were considered.

An inadequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were not exceeded is moderate. More information is needed because the available data may underestimate standards non-attainment.

Region 4: Santa Clara River Reach 8
Nitrate-nitrogen plus Nitrite-nitrogen

Water Body	Santa Clara River Reach 8
Stressor/Media/Beneficial Use	Nitrate-nitrogen plus Nitrite-nitrogen/Water/Ground Water Recharge (assuming that groundwater would be used as drinking water)
Data quality assessment. Extent to which data quality requirements met.	Collection of data under quality assurance related to NPDES monitoring and RWQCB monitoring related to development of the nitrogen TMDL.
Linkage between measurement endpoint and benefical use or standard	Nitrate-nitrogen plus Nitrite-nitrogen WQO are linked to Ground Water Recharge.
Utility of measure for judging if standards or uses are not attained	WQOs are applicable to Ground Water Recharge.
Water Body-specific Information	Data is up to five years old.
Data used to assess water quality	44 samples, 1 sample exceeding.
Spatial representation	Three locations were sampled downstream of a point source.
Temporal representation	Data were collected quarterly from 1997 to 2002.
Data type	Numerical data.
Use of standard method	NPDES monitoring and RWQCB sampling used to support the Nitrogen TMDL.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	There is sufficient information to indicate that the nitrification/de-nitrification process being installed at the Saugus WRP will address nitrite problem for this reach.
RWQCB Recommendation	Delist.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from on the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. Most of the water quality measurements did not exceed the water quality standard. The staff confidence that standards were not exceeded is high.

Region 4: Santa Clara River Reach 8
Nitrite-Nitrogen

Water Body	Santa Clara River Reach 8
Stressor/Media/Beneficial Use	Nitrite-Nitrogen/Water/Ground Water Recharge (assuming that groundwater would be used as drinking water)
Data quality assessment. Extent to which data quality requirements met.	NPDES monitoring and RWQCB staff monitoring related to TMDL development.
Linkage between measurement endpoint and benefical use or standard	Nitrogen water quality objectives are established in the Los Angeles Region Basin Plan for a number of reaches of the Santa Clara River.
Utility of measure for judging if standards or uses are not attained	Measurements of nitrite-nitrogen can be compared to the numeric Basin Plan water quality objective.
Water Body-specific Information	Age of the data is up to five years.
Data used to assess water quality	36 total measurements of nitrite-nitrogen. 15 samples exceed the water quality objective for nitrite-nitrogen. There is sufficient information to indicate that the nitrification/de-nitrification process will address nitrite problem.
Spatial representation	Two sampling stations.
Temporal representation	Data were collected quarterly from 1997 through 2002.
Data type	Numerical data.
Use of standard method	NPDES monitoring.
Potential Source(s) of Pollutant	Point sources, non-point sources, groundwater.
Alternative Enforceable Program	The Saugus Water Reclamation Plant, which discharges at the upstream end of the reach, is in the process of installing nitrification and denitrification (NDN) treatment processes to meet effluent limits in the plant's NPDES permit for ammonia and nitrate plus nitrite. The permit establishes a compliance date of June 12, 2003 to meet receiving water limits for ammonia. The permittee has stated and shown that the NDN facilities will be operational at the Saugus plant by the June, 2003 deadline. The contract has been awarded (nearly $10 million) to construct the NDN processes. When the NDN facilities are operational the nitrite concentrations will be reduced drastically. Operation of a research NDN facility at the Whittier narrows WRP has shown that NDN will reduce nitrite levels well below the 1 mg/L nitrite water quality objective. The Saugus WRP is the principal (if not sole) source of nitrite in Reach 8. A measurement upstream of the treatment plant had a very low concentration of nitrite (well below the standard). Other measurements down stream show varying levels of nitrite depending on possible plant uptake, conversion of nitrite to other more stable forms of nitrogen, and

	dilution.
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the Enforceable Program List because applicable water quality standards are exceeded but there is a program in place now that will address the problem in 2003. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Santa Clara River Reach 8
Ammonia

Water Body	Santa Clara River Reach 8
Stressor/Media/Beneficial Use	Ammonia/Water/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	New data was not assessed for this water body-pollution combination.
Linkage between measurement endpoint and benefical use or standard	N/A
Utility of measure for judging if standards or uses are not attained	N/A
Water Body-specific Information	N/A
Data used to assess water quality	New data was not submitted that indicates that water quality standards are met.
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	Point sources
Alternative Enforceable Program	An alternative enforceable program is in place that will address ammonia water quality standards exceedances for this Reach. In June 1995, the seven water reclamation plants discharging in the San Gabriel River and Santa Clara River watersheds received NPDES permits containing requirements regarding compliance with the Basin Plan water quality objectives for ammonia. In accordance with these permits, the Los Angeles County Sanitation Districts have been pursuing the addition of nitrification and denitrification facilities at each of these plants to comply with the ammonia objectives. By June 2003, it is expected that these new facilities will be operational and ammonia will be drastically reduced. Research facility operation shows that the monthly average ammonia concentration fully complies with the chronic ammonia objective that are expected to be applicable in June 2003. It is probable that the majority of ammonia discharged to this water body was contributed by POTWs. Information in the record indicates that the majority (over 95%) of the ammonia in the Los Angeles River was contributed by POTWs. It is probable that the contribution in the San Gabriel River watershed is dominated by contributions from POTWs as well. Generally, concentrations of ammonia upstream of the treatment plants is much lower than downstream concentrations (up to an order of magnitude difference).
RWQCB Recommendation	None.

Region 4: Santa Clara River Reach 8
Ammonia

SWRCB Staff Recommendation	After reviewing the available data and information for this recommendation, SWRCB staff conclude that the water body should be placed on the Enforceable Program list because applicable water quality standards are exceeded and another program will address the problem.

Region 4: Santa Monica Bay Offshore/Nearshore
Copper

Water Body	Santa Monica Bay Offshore/Nearshore
Stressor/Media/Beneficial Use	Copper/Sediment/Marine Habitat Copper/Fish Tissue/Commercial and Sport Fishing
Data quality assessment. Extent to which data quality requirements met.	High quality for sediment data (See QAPP for SCBPP and Bight '98). High quality fish tissue data (See QAPP for Hyperion permit).
Linkage between measurement endpoint and benefical use or standard	Habitat quality is related to pollutant concentration (no toxics in toxic amounts). Fish tissue data can be compared to risk-based values for the protection of human health (no toxics in toxic amounts). Linkages between fish tissue data and uses associated with the protection of fish and wildlife are weak.
Utility of measure for judging if standards or uses are not attained	Use of sediment guidelines from literature alone is somewhat controversial. However, use of sediment triad (chemistry, benthos, and acute toxicity) in a weight of evidence approach is well established. Fish tissue data provides an additional screen in overall weight of evidence approach.
Water Body-specific Information	Regional surveys conducted in 1994 and 1998. Rig-fishing in Santa Monica Bay collected by Hyperion (1995-2000).
Data used to assess water quality	Sediment contaminant concentration, benthic community structure, whole-sediment toxicity tests, fish muscle tissue data. Copper are concentrations low relative to thresholds.

	1994 (n=55)	1998 (n=23)
% of Area >ER-L (34 mg/kg)	44%	13%
% of Area >ER-M (270 mg/kg)	0%	0%
Average concentration	30 mg/kg	12 mg/kg

There is no evidence of acute toxicity in sediments in 1994 (n = 55) or 1998 (n = 23).

Benthic community structure assessed as good in 98% to 100% of area in 1994 and 1998 using the Benthic Response Index.

Copper concentrations in fish muscle tissue from approximately 250 samples collected in Santa Monica Bay were below US Fish and Wildlife (1998) screening value of 15 mg/kg ww.

Spatial representation	Regional surveys entire bay. Point Dume to Palos Verdes Shelf (55 samples in 1994 and 23 samples in 1998). Rig-fishing sites (9) representative of offshore conditions in the Bay.
Temporal representation	2 years data from Regional Survey. 5 years data on fish tissue.
Data type	Numerical data.
Use of standard method	Performance-based.

Region 4: Santa Monica Bay Offshore/Nearshore
Copper

Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	None.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. The evaluation guideline used to interpret narrative water quality standards is adequate. 4. Data are numerical. 5. Standard methods were used. 6. Other water body- or site-specific information including the effects of age of the data were considered. Most of the water quality measurements do not exceed the water quality standard. The staff confidence that standards are not exceeded is high.

Region 4: Santa Monica Bay Offshore/Nearshore
Arsenic

Water Body	Santa Monica Bay Offshore/Nearshore
Stressor/Media/Beneficial Use	Arsenic/Sediment/Marine Habitat Arsenic/Fish Tissue/Commercial and Sport Fishing
Data quality assessment. Extent to which data quality requirements met.	High quality for sediment data (See QAPP for SCBPP and Bight '98). High quality fish tissue data (See QAPP for Hyperion permit).
Linkage between measurement endpoint and benefical use or standard	Habitat quality is related to pollutant concentration (No toxics in toxic amounts). Fish tissue data can be compared to risked based numbers for the protection of human health (No toxics in toxic amounts). Linkages between fish tissue data and uses associated with the protection of fish and wildlife are weak.
Utility of measure for judging if standards or uses are not attained	Use of sediment guidelines from literature alone is somewhat controversial. However, use of sediment triad (chemistry, benthos, and acute toxicity) in a weight of evidence approach is well established. Fish tissue data provides an additional screen in overall weight of evidence approach.
Water Body-specific Information	Regional surveys conducted in 1994 and 1998. Rig-fishing in Santa Monica Bay collected by Hyperion (1995-2000).
Data used to assess water quality	Arsenic concentrations fish muscle tissue concentrations in approximately 250 samples were low relative to human-health based screening values of 1.0 mg/kg ww for organic arsenic (OEHHA, 1999). These comparisons were made assuming that organic arsenic comprises 10% of the total arsenic measured in fish tissue.
Spatial representation	Regional surveys entire bay. Point Dume to Palos Verdes Shelf (55 samples in 1994 and 23 samples in 1998). Rig-fishing sites (9) representative of offshore conditions in the Bay.
Temporal representation	2 years data from Regional Survey. 5 years data on fish tissue.
Data type	Numerical data.
Use of standard method	Performance-based.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	N/A
RWQCB Recommendation	None.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be not be placed on the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality.

2. The data exhibited sufficient spatial and temporal coverage.
3. The evaluation guideline used to interpret narrative water quality standards is adequate.
4. Data are numerical.
5. Standard methods were used.
6. Other water body- or site-specific information including the effects of age of the data were considered.

Most of the water quality measurements do not exceed the water quality standard. The staff confidence that standards are not exceeded is high.

Region 4: Santa Monica Bay Offshore/Nearshore
Cadmium

Water Body	Santa Monica Bay Offshore/Nearshore
Stressor/Media/Beneficial Use	Cadmium/Sediment/Marine Habitat Cadmium/Fish Tissue/Commercial and Sport Fishing
Data quality assessment. Extent to which data quality requirements met.	High quality for sediment data (See QAPP for SCBPP and Bight '98). High quality for fish tissue data (See QAPP for Hyperion permit).
Linkage between measurement endpoint and benefical use or standard	Habitat quality is related to pollutant concentration (no toxics in toxic amounts). Fish tissue data can be compared to risked based numbers for the protection of human health (no toxics in toxic amounts). Linkages between fish tissue data and uses associated with the protection of fish and wildlife are weak.
Utility of measure for judging if standards or uses are not attained	Use of sediment guidelines from literature alone is somewhat controversial. However, use of sediment triad (chemistry, benthos, and acute toxicity) in a weight of evidence approach is well established. Fish tissue data provides an additional screen in overall weight of evidence approach.
Water Body-specific Information	Regional surveys conducted in 1994 and 1998. Rig-fishing in Santa Monica Bay collected by Hyperion (1995-2000).
Data used to assess water quality	Sediment contaminant concentration, benthic community structure, whole-sediment toxicity tests, fish muscle tissue data. Cadmium are concentrations low relative to thresholds. 1994 (n=55) 1998 (n=23) % of Area >ER-L (1.2 mg/kg) 9% 17% % of Area >ER-M (9.6 mg/kg) 0% 0% Average concentration 0.66 mg/kg 0.72 mg/kg There is no evidence of acute toxicity in sediments in 1994 (n = 55) or 1998 (n = 23). Benthic community structure assessed as good in 98% to 100% of area in 1994 and 1998 using the Benthic Response Index. Cadmium concentrations fish muscle tissue from approximately 250 fish samples were low relative to human-health based screening value of 3.0 mg/kg ww (OEHHA, 1998).
Spatial representation	Regional surveys entire bay. Point Dume to Palos Verdes Shelf (55 samples in 1994 and 23 samples in 1998). Rig-fishing sites (9) representative of offshore conditions in the Bay.
Temporal representation	2 years data from Regional Survey. 5 years data on fish tissue.
Data type	Numerical data.
Use of standard method	Performance-based.

Region 4: Santa Monica Bay Offshore/Nearshore
Cadmium

Potential Source(s) of Pollutant	Point and non-point sources.
Alternative Enforceable Program	N/A
RWQCB Recommendation	None.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. The evaluation guideline used to interpret narrative water quality standards is adequate. 4. Data are numerical. 5. Standard methods were used. 6. Other water body- or site-specific information including the effects of age of the data were considered. Most of the water quality measurements do not exceed the water quality standard. The staff confidence that standards are not exceeded is high.

Region 4: Santa Monica Bay Offshore/Nearshore
Chromium

Water Body	Santa Monica Bay Offshore/Nearshore
Stressor/Media/Beneficial Use	Chromium/Sediment/Marine Habitat Chromium/Tissue/Commercial and Sport Fishing
Data quality assessment. Extent to which data quality requirements met.	High quality for sediment data (See QAPP for SCBPP and Bight '98). High quality fish tissue data (See QAPP for Hyperion permit).
Linkage between measurement endpoint and benefical use or standard	Habitat quality is related to pollutant concentration (no toxics in toxic amounts). Fish tissue data can be compared to risked based numbers for the protection of human health (no toxics in toxic amounts). Linkages between fish tissue data and uses associated with the protection of fish and wildlife are weak.
Utility of measure for judging if standards or uses are not attained	Use of sediment guidelines from literature alone is somewhat controversial. However, use of sediment triad (chemistry, benthos, and acute toxicity) in a weight of evidence approach is well established. Fish tissue data provides an additional screen in overall weight of evidence approach.
Water Body-specific Information	Regional surveys conducted in 1994 and 1998. Rig-fishing in Santa Monica Bay collected by Hyperion (1995-2000).
Data used to assess water quality	Sediment contaminant concentration, benthic community structure, whole-sediment toxicity tests, fish muscle tissue data. Chromium concentrations are low relative to sediment thresholds.

	1994 (n=55)	1998 (n=23)
% of Area >ER-L (1.0 mg/kg)	45%	4%
% of Area >ER-M (3.7 mg/kg)	0%	0%
Average concentration	85 mg/kg	45 mg/kg

There is no evidence of acute toxicity in sediments in 1994 (n = 55) or 1998 (n = 23).

Benthic community structure assessed as good in 98% to 100% of area in 1994 and 1998 using the Benthic Response Index.

Chromium concentrations in fish muscle tissue from approximately 250 samples were low relative to MTRL of 1.0 mg/kg ww for total chromium.

Spatial representation	Regional surveys entire bay. Point Dume to Palos Verdes Shelf (55 samples in 1994 and 23 samples in 1998). Rig-fishing sites (9) representative of offshore conditions in the Bay.
Temporal representation	2 years data from Regional Survey. 5 years data on fish tissue.
Data type	Numerical data.
Use of standard method	Performance-based.
Potential Source(s) of Pollutant	Point and non-point sources.

Region 4: Santa Monica Bay Offshore/Nearshore
Chromium

Alternative Enforceable Program	N/A
RWQCB Recommendation	None.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be not be placed on the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. The evaluation guideline used to interpret narrative water quality standards is adequate. 4. Data are numerical. 5. Standard methods were used. 6. Other water body- or site-specific information including the effects of age of the data were considered. Most of the water quality measurements do not exceed the water quality standard. The staff confidence that standards are not exceeded is high.

Region 4: Santa Monica Bay Offshore/Nearshore
Lead

Water Body	Santa Monica Bay Offshore/Nearshore
Stressor/Media/Beneficial Use	Lead/Sediment/Marine Habitat Lead/Tissue/Commercial and Sport Fishing
Data quality assessment. Extent to which data quality requirements met.	High quality for sediment data (See QAPP for SCBPP and Bight '98). High quality fish tissue data (See QAPP for Hyperion permit).
Linkage between measurement endpoint and benefical use or standard	Habitat quality is related to pollutant concentration (no toxics in toxic amounts). Fish tissue data can be compared to risked based numbers for the protection of human health (no toxics in toxic amounts). Linkages between fish tissue data and uses associated with the protection of fish and wildlife are weak.
Utility of measure for judging if standards or uses are not attained	Use of sediment guidelines from literature alone is somewhat controversial. However, use of sediment triad (chemistry, benthos, and acute toxicity) in a weight of evidence approach is well established. Fish tissue data provides an additional screen in overall weight of evidence approach.
Water Body-specific Information	Regional surveys conducted in 1994 and 1998. Rig-fishing in Santa Monica Bay collected by Hyperion (1995-2000).
Data used to assess water quality	Sediment contaminant concentration, benthic community structure, whole-sediment toxicity tests, fish muscle tissue data. Lead are concentrations low relative to thresholds.

	1994 (n=55)	1998 (n=23)
% of Area >ER-L (81 mg/kg)	7%	22%
% of Area >ER-M (370 mg/kg)	0%	0%
Average concentration	22 mg/kg	40 mg/kg

There is no evidence of acute toxicity in sediments in 1994 (n = 55) or 1998 (n = 23).

Benthic community structure assessed as good in 98% to 100% of area in 1994 and 1998 using the Benthic Response Index.

Lead concentrations in fish muscle tissue concentrations from approximately 250 samples were low relative to MTRL of 2.0 mg/kg ww.

There is no lead-based consumption advisory for commercial or sport fishing in fish from Santa Monica Bay (OEHHA, 2001).

Spatial representation	Regional surveys entire bay. Point Dume to Palos Verdes Shelf (55 samples in 1994 and 23 samples in 1998). Rig-fishing sites (9) representative of offshore conditions in the Bay.
Temporal representation	2 years data from Regional Survey. 5 years data on fish tissue.
Data type	Numerical data.

Region 4: Santa Monica Bay Offshore/Nearshore
Lead

Use of standard method	Performance based.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	N/A
RWQCB Recommendation	None.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. The evaluation guideline used to interpret narrative water quality standards is adequate. 4. Data are numerical. 5. Standard methods were used. 6. Other water body- or site-specific information including the effects of age of the data were considered. Most of the water quality measurements do not exceed the water quality standard. The staff confidence that standards are not exceeded is high.

Region 4: Santa Monica Bay Offshore/Nearshore
Zinc

Water Body	Santa Monica Bay Offshore/Nearshore
Stressor/Media/Beneficial Use	Zinc/Sediment/Marine Habitat Zinc/Fish Tissue/Commercial and Sport Fishing
Data quality assessment. Extent to which data quality requirements met.	High quality for sediment data (See QAPP for SCBPP and Bight '98). High quality fish tissue data (See QAPP for Hyperion permit).
Linkage between measurement endpoint and benefical use or standard	Habitat quality is related to pollutant concentration (no toxics in toxic amounts). Fish tissue data can be compared to risked based numbers for the protection of human health (no toxics in toxic amounts). Linkages between fish tissue data and uses associated with the protection of fish and wildlife are weak.
Utility of measure for judging if standards or uses are not attained	Use of sediment guidelines from literature alone is somewhat controversial. However, use of sediment triad (chemistry, benthos, and acute toxicity) in a weight of evidence approach is well established. Fish tissue data provides an additional screen in overall weight of evidence approach. Linkages between fish tissue data and uses associated with the protection of fish and wildlife are weak.
Water Body-specific Information	Regional surveys conducted in 1994 and 1998. Rig-fishing in Santa Monica Bay collected by Hyperion (1995-2000).
Data used to assess water quality	Sediment contaminant concentration, benthic community structure, whole-sediment toxicity tests, fish muscle tissue data. Zinc concentrations are low relative to thresholds. 1994 (n=55) 1998 (n=23) % of Area >ER-L (150 mg/kg) 7% 0% % of Area >ER-M (410 mg/kg) 0% 0% Average concentration 84 mg/kg 61 mg/kg There is no evidence of acute toxicity in sediments in 1994 (n = 55) or 1998 (n = 23). Benthic community structure assessed as good in 98% to 100% of area in 1994 and 1998 using the Benthic Response Index. Zinc concentrations in fish muscle tissue from approximately 250 samples were low relative to the Mean International Standard for freshwater fish of 45 mg/kg ww (United Nations, 1983).
Spatial representation	Regional surveys entire bay. Point Dume to Palos Verdes Shelf (55 samples in 1994 and 23 samples in 1998). Rig-fishing sites (9) representative of offshore conditions in the Bay.
Temporal representation	2 years data from Regional Survey. 5 years data on fish tissue.
Data type	Numerical data.
Use of standard method	Performance-based.

Region 4: Santa Monica Bay Offshore/Nearshore
Zinc

Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	N/A
RWQCB Recommendation	None.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. The evaluation guideline used to interpret narrative water quality standards is adequate. 4. Data are numerical. 5. Standard methods were used. 6. Other water body- or site-specific information including the effects of age of the data were considered. Most of the water quality measurements do not exceed the water quality standard. The staff confidence that standards are not exceeded is high.

Region 4: Santa Monica Bay Offshore/Nearshore
Silver

Water Body	Santa Monica Bay Offshore/Nearshore
Stressor/Media/Beneficial Use	Silver/Sediment/Marine Habitat Silver/Tissue/Commercial and Sport Fishing
Data quality assessment. Extent to which data quality requirements met.	High quality for sediment data (See QAPP for SCBPP and Bight '98). High quality fish tissue data (See QAPP for Hyperion permit).
Linkage between measurement endpoint and benefical use or standard	Habitat quality is related to pollutant concentration (no toxics in toxic amounts). Fish tissue data can be compared to risked based numbers for the protection of human health (no toxics in toxic amounts). Linkages between fish tissue data and uses associated with the protection of fish and wildlife are weak.
Utility of measure for judging if standards or uses are not attained	Use of sediment guidelines from literature alone is somewhat controversial. However, use of sediment triad (chemistry, benthos, and acute toxicity) in a weight of evidence approach is well established. Fish tissue data provides an additional screen in overall weight of evidence approach.
Water Body-specific Information	Regional surveys conducted in 1994 and 1998. Rig-fishing in Santa Monica Bay collected by Hyperion (1995-2000).
Data used to assess water quality	Sediment contaminant concentration, benthic community structure, whole-sediment toxicity tests, fish muscle tissue data. Silver concentrations are slightly elevated relative to sediment thresholds. The majority of these elevated values are within the zone of influence of the Hyperion outfall. 1994 (n=55) 1998 (n=23) % of Area >ER-L (1.0 mg/kg) 71% 65% % of Area >ER-M (3.7 mg/kg) 13% 26% Average concentration 1.58 mg/kg 2.06 mg/kg There is no evidence of acute toxicity in sediments in 1994 (n = 55) or 1998 (n = 23). Benthic community structure good in 98% of area. There are no human-health based or wildlife based screening values for evaluating silver concentrations in fish tissue. There is no silver-based consumption advisory for commercial or sport fishing in fish from Santa Monica Bay (OEHHA, 2001).
Spatial representation	Regional surveys entire bay. Point Dume to PV Shelf (55 samples in 1994 and 23 samples in 1998). Rig-fishing sites (9) representative of offshore conditions in the Bay.
Temporal representation	2 years data from Regional Survey. 5 years data on fish tissue.
Data type	Numerical data.
Use of standard method	Performance-based.

Region 4: Santa Monica Bay Offshore/Nearshore
Silver

Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	N/A
RWQCB Recommendation	None.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. The evaluation guideline used to interpret narrative water quality standards is adequate. 4. Data are numerical. 5. Standard methods were used. 6. Other water body- or site-specific information including the effects of age of the data were considered. Most of the water quality measurements do not exceed the water quality standard. The staff confidence that standards are not exceeded is high.

Region 4: Santa Monica Bay Offshore/Nearshore
Nickel

Water Body	Santa Monica Bay Offshore/Nearshore
Stressor/Media/Beneficial Use	Nickel/Sediment/Marine Habitat Nickel/Fish Tissue/Commercial and Sport Fishing
Data quality assessment. Extent to which data quality requirements met.	High quality for sediment data (See QAPP for SCBPP and Bight '98). High quality fish tissue data (See QAPP for Hyperion permit).
Linkage between measurement endpoint and benefical use or standard	Habitat quality is related to pollutant concentration (no toxics in toxic amounts). Fish tissue data can be compared to risked based numbers for the protection of human health (no toxics in toxic amounts). Linkages between fish tissue data and uses associated with the protection of fish and wildlife are weak.
Utility of measure for judging if standards or uses are not attained	Use of sediment guidelines from literature alone is somewhat controversial. However, use of sediment triad (chemistry, benthos, and acute toxicity) in a weight of evidence approach is well established. Fish tissue data provides an additional screen in overall weight of evidence approach.
Water Body-specific Information	Regional surveys conducted in 1994 and 1998. Rig-fishing in Santa Monica Bay collected by Hyperion (1995-2000).
Data used to assess water quality	Sediment contaminant concentration, benthic community structure, whole-sediment toxicity tests, fish muscle tissue data. Nickel concentrations are low relative to thresholds.

	1994 (n=55)	1998 (n=23)
% of Area >ER-L (21 mg/kg)	40%	30%
% of Area >ER-M (52 mg/kg)	2%	0%
Average concentration	24 mg/kg	20 mg/kg

There is no evidence of acute toxicity in sediments in 1994 (n = 55) or 1998 (n = 23).

Benthic community structure assessed as good in 98% to 100% of area in 1994 and 1998 using the Benthic Response Index.

There are no human-health based or wildlife based screening values for evaluating nickel concentrations in fish tissue.

Spatial representation	Regional surveys entire bay. Point Dume to Palos Verdes Shelf (55 samples in 1994 and 23 samples in 1998). Rig-fishing sites (9) representative of offshore conditions in the Bay.
Temporal representation	2 years data from Regional Survey. 5 years data on fish tissue.
Data type	Numerical data.
Use of standard method	Performance based.
Potential Source(s) of Pollutant	Point and nonpoint sources.

Region 4: Santa Monica Bay Offshore/Nearshore
Nickel

Alternative Enforceable Program	N/A
RWQCB Recommendation	None.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. The evaluation guideline used to interpret narrative water quality standards is adequate. 4. Data are numerical. 5. Standard methods were used. 6. Other water body- or site-specific information including the effects of age of the data were considered. Most of the water quality measurements do not exceed the water quality standard. The staff confidence that standards are not exceeded is high.

Region 4: Santa Monica Bay Offshore/Nearshore
Mercury

Water Body	Santa Monica Bay Offshore/Nearshore
Stressor/Media/Beneficial Use	Mercury/Sediment/Marine Habitat Mercury/Fish Tissue/Commercial and Sport Fishing
Data quality assessment. Extent to which data quality requirements met.	High quality for sediment data (See QAPP for SCBPP and Bight '98). High quality fish tissue data (See QAPP for Hyperion permit).
Linkage between measurement endpoint and benefical use or standard	Habitat quality is related to pollutant concentration (no toxics in toxic amounts). Fish tissue data can be compared to risked based numbers for the protection of human health (no toxics in toxic amounts). Linkages between fish tissue data and uses associated with the protection of fish and wildlife are weak.
Utility of measure for judging if standards or uses are not attained	Use of sediment guidelines from literature alone is somewhat controversial. However, use of sediment triad (chemistry, benthos, and acute toxicity) in a weight of evidence approach is well established. Fish tissue data provides an additional screen in overall weight of evidence approach.
Water Body-specific Information	Regional surveys conducted in 1994 and 1998. Rig-fishing in Santa Monica Bay collected by Hyperion (1995-2000).
Data used to assess water quality	Sediment contaminant concentration, benthic community structure, whole-sediment toxicity tests, fish muscle tissue data. Mercury concentrations are low relative to thresholds.

	1994 (n = 55)	1998 (n=23)
% of Area >ER-L (0.15 mg/kg)	45%	48%
% of Area >ER-M (0.71 mg/kg)	0%	0%
Average concentration	0.14 mg/kg	0.16mg/kg

There is no evidence of acute toxicity in sediments in 1994 (n = 55) or 1998 (n = 23).

Benthic community structure assessed as good in 98% to 100% of area in 1994 and 1998 using the Benthic Response Index.

The average mercury concentrations in fish muscle tissue from approximately 250 samples collected in Santa Monica Bay were close to the human-health based screening values (OEHHA, 0.3 mg/kg ww). There is no mercury-based consumption advisory for commercial or sport fishing in fish from Santa Monica Bay (OEHHA, 2001).

Spatial representation	Regional surveys entire bay. Point Dume to Palos Verdes Shelf (55 samples in 1994 and 23 samples in 1998). Rig-fishing sites (9) representative of offshore conditions in the Bay.
Temporal representation	2 years data from Regional Survey. 5 years data on fish tissue.
Data type	Numerical data.

Region 4: Santa Monica Bay Offshore/Nearshore
Mercury

Use of standard method	Performance-based.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	N/A
RWQCB Recommendation	None.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. The evaluation guideline used to interpret narrative water quality standards is adequate. 4. Data are numerical. 5. Standard methods were used. 6. Other water body- or site-specific information including the effects of age of the data were considered. Most of the water quality measurements do not exceed the water quality standard. The staff confidence that standards are not exceeded is high.

Region 4: Seaside Wilderness Park (400 yards N. of Ventura River) Bacterial Indicators

Water Body	Seaside Wilderness Park (400 yards N. of Ventura River)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department.
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators are linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to Bacterial Indicator water quality standards which are linked to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	82 samples, 2 samples exceeding.
Spatial representation	1 station: VC(12000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	Do not list.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should not be placed on the section 303(d) list because applicable water quality standards are not exceeded. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the effects of age of the data were considered. An inadequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were not exceeded is high.

Region 4: Sespe Creek (tributary to Santa Clara River Reach 3)
pH

Water Body	Sespe Creek (tributary to Santa Clara River Reach 3)
Stressor/Media/Beneficial Use	pH/Water/Aquatic Life and Agriculture
Data quality assessment. Extent to which data quality requirements met.	POTW and United Water Conservation District
Linkage between measurement endpoint and benefical use or standard	pH WQO linked to Agriculture and Aquatic Life.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to Agriculture and Aquatic Life.
Water Body-specific Information	Data 2 - 5 years old, sample measured from site.
Data used to assess water quality	24 water samples, 6 sample exceeding.
Spatial representation	Samples representative of Reach.
Temporal representation	Quarterly sampling events.
Data type	Numerical data.
Use of standard method	POTW and United Water Conservation District method.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Sespe Creek (tributary to Santa Clara River Reach 3) Chloride

Water Body	Sespe Creek (tributary to Santa Clara River Reach 3)
Stressor/Media/Beneficial Use	Chloride/Water/Aquatic Life and Agriculture
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District
Linkage between measurement endpoint and benefical use or standard	Chloride WQO is linked to Agriculture and Aquatic Life.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to Agriculture and Aquatic Life.
Water Body-specific Information	Data 2 - 5 years old, sampled measured from site.
Data used to assess water quality	16 water samples, 6 sample exceeding.
Spatial representation	Samples are representative of Reach.
Temporal representation	Quarterly sampling events.
Data type	Numerical data.
Use of standard method	United Water Conservation District
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 6. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Surfer's Point at Seaside (End of access path via wooden ga + Bacterial Indicators

Water Body	Surfer's Point at Seaside (End of access path via wooden gate)
Stressor/Media/Beneficial Use	Bacteria Indicators/Water/REC-1
Data quality assessment. Extent to which data quality requirements met.	County Health Department
Linkage between measurement endpoint and benefical use or standard	Bacterial Indicators linked to REC-1.
Utility of measure for judging if standards or uses are not attained	Data can be compared directly to bacterial indicator water quality standards, which is linked to REC-1.
Water Body-specific Information	Data 3 years old, collected at site.
Data used to assess water quality	20 samples exceeding standards out of 105 samples.
Spatial representation	1 station: VC(13000). This station represents the beach 50 yards on either side of the sampling point.
Temporal representation	Data collected in 1999, 2000, and 2001.
Data type	Numerical data.
Use of standard method	Standard bacteriological methods.
Potential Source(s) of Pollutant	Point and nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information provided by the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient spatial and temporal coverage. 3. Beneficial uses apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body- or site-specific information including the age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Ventura River Estuary
Total Coliform

Water Body	Ventura River Estuary
Stressor/Media/Beneficial Use	Total Coliform/Water/REC-1 and Shellfish Harvesting
Data quality assessment. Extent to which data quality requirements met.	Ojai Valley River Volunteer Monitoring Program
Linkage between measurement endpoint and benefical use or standard	Ocean Plan standards are linked to REC-1 and Shellfish Harvesting.
Utility of measure for judging if standards or uses are not attained	Ocean Plan standards are applicable to REC-1 and Shellfish Harvesting. .
Water Body-specific Information	Data is 2-4 year old, data measured in the waterbody, samples collected different in seasons and years.
Data used to assess water quality	37 bacteria samples, Total Coliform (8 exceeding at 1000/100) (14 exceeding at 230/100ml and 37 exceeding at 70/100ml).
Spatial representation	1 site.
Temporal representation	Different seasons and years.
Data type	Numerical data.
Use of standard method	Ojai Valley River Volunteer Monitoring Program.
Potential Source(s) of Pollutant	Stables and horse property.
Alternative Enforceable Program	
RWQCB Recommendation	List due to exceedance in Ocean Plan WQO.
SWRCB Staff Recommendation	After reviewing of the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. An adequate number of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Ventura River Estuary
DDT

Water Body	Ventura River Estuary
Stressor/Media/Beneficial Use	DDT/Tissue/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	TSMP and BPTCP
Linkage between measurement endpoint and benefical use or standard	DDT MTRLs are linked to Fish Consumption.
Utility of measure for judging if standards or uses are not attained	MTRLs are applicable to Fish Consumption.
Water Body-specific Information	Data 10 years old, data measured from site, species present, one time sample.
Data used to assess water quality	1 tissue sample (Original listing appears to have been based on DDT concentrations found in shiner surf perch in 1993 (TSM); however, the level of 23 ppb of p,p'-DDE is below MTRL-which equals 32.0 ppb)..
Spatial representation	1 tissue sample.
Temporal representation	One time sample event.
Data type	Numerical data.
Use of standard method	TSMP, BPTCP and NPDES methods.
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be removed from the section 303(d) list because applicable water quality standards are not exceeded. In addition the original listing was based on one sample and concentrations of DDE was below the MTRLs.

Region 4: Ventura River Estuary
Fecal Coliform

Water Body	Ventura River Estuary
Stressor/Media/Beneficial Use	Fecal Coliform/Water/REC-1 and Shellfish Harvesting
Data quality assessment. Extent to which data quality requirements met.	Ojai Valley River Volunteer Monitoring Program
Linkage between measurement endpoint and benefical use or standard	Fecal Coliform WQO is linked to REC-1 and Shellfish Harvesting.
Utility of measure for judging if standards or uses are not attained	WQO are applicable REC-1 and Shellfish Harvesting.
Water Body-specific Information	Data is 2-4 years old, data measured in the waterbody, samples collected different in seasons and years.
Data used to assess water quality	37 bacteria samples, 6 samples exceeding 400 MPN/100ml objective.
Spatial representation	1 site.
Temporal representation	Different seasons and years.
Data type	Numerical data.
Use of standard method	Ojai Valley River Volunteer Monitoring Program.
Potential Source(s) of Pollutant	Stables and horse property.
Alternative Enforceable Program	
RWQCB Recommendation	List due exceedances in Basin Plan WQO.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. Most of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Ventura River Reach 1 (Estuary to Main Street) and R2 (Main + Zinc

Water Body	Ventura River Reach 1 (Estuary to Main Street) and R2 (Main Street to Weldon Canyon)
Stressor/Media/Beneficial Use	Zinc/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Use.
Utility of measure for judging if standards or uses are not attained	EDLs are not an applicable guideline for assessment of beneficial use protection.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	TSMP methods.
Potential Source(s) of Pollutant	Historical use of pesticides.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the original Listing was based on EDLs which do not represent valid assessment guidelines.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Ventura River Reach 1 (Estuary to Main Street) and R2 (Main + Silver

Water Body	Ventura River Reach 1 (Estuary to Main Street) and R2 (Main Street to Weldon Canyon)
Stressor/Media/Beneficial Use	Silver/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not an applicable guideline for assessment of beneficial use protection.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	TSMP methods.
Potential Source(s) of Pollutant	Historical use of pesticides
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the original listing was based on EDLs which do not represent valid assessment guidelines.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Ventura River Reach 1 (Estuary to Main Street) and R2 (Main + Selenium

Water Body	Ventura River Reach 1 (Estuary to Main Street) and R2 (Main Street to Weldon Canyon)
Stressor/Media/Beneficial Use	Selenium/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Use.
Utility of measure for judging if standards or uses are not attained	EDLs are not an applicable guideline for assessment of beneficial use protection.
Water Body-specific Information	N/A
Data used to assess water quality	No data presented.
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	TSMP methods.
Potential Source(s) of Pollutant	Historical use of pesticides.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the original Listing was based on EDLs which do not represent valid assessment guidelines.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Ventura River Reach 1 (Estuary to Main Street) and R2 (Main + Copper

Water Body	Ventura River Reach 1 (Estuary to Main Street) and R2 (Main Street to Weldon Canyon)
Stressor/Media/Beneficial Use	Copper/Tissue/Aquatic Life
Data quality assessment. Extent to which data quality requirements met.	TSMP
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Use.
Utility of measure for judging if standards or uses are not attained	EDLs are not an applicable guideline for assessment of beneficial use protection.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	TSMP methods.
Potential Source(s) of Pollutant	Historical use of pesticides.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the original Listing was based on EDLs which do not represent valid assessment guidelines.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Westlake Lake
Chlordane

Water Body	Westlake Lake
Stressor/Media/Beneficial Use	Chlordane/Tissue/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	TSMP QAPP
Linkage between measurement endpoint and benefical use or standard	Chlordane MTRLs are linked to Fish Consumption.
Utility of measure for judging if standards or uses are not attained	MTRLs are applicable to Fish Consumption.
Water Body-specific Information	Data is 10- 11 years old.
Data used to assess water quality	2 tissue samples, 0 samples exceeding. The tissue samples collected in 1991 and 1992 are below the MTRL guideline for chlordane. This water body-pollutant combination was recommended to be removed from the section 303(d) list by the RWQCB. The SWRCB staff recommended to maintain the listing because the data was not presented to support delisting. In December 2002, the RWQCB included data to support the delisting.
Spatial representation	Unknown.
Temporal representation	Data was collected in 1991 and 1992.
Data type	Numerical.
Use of standard method	TSMP.
Potential Source(s) of Pollutant	Unknown.
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the original Listing was based on a tissue concentration that now is below the MTRL guideline for Chlordane.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should removed from the 303(d) list because applicable water quality standards are below the guideline. The RWQCB provided the appropriate data, that was inadvertently missing in their original fact sheet, to support the delisting of this water body-pollutant combination. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of age of the data were considered.

Region 4: Westlake Lake
Chlordane

None of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is moderate.

Region 4: Westlake Lake
Copper

Water Body	Westlake Lake
Stressor/Media/Beneficial Use	Copper/Tissue/Fish Consumption
Data quality assessment. Extent to which data quality requirements met.	Unknown
Linkage between measurement endpoint and benefical use or standard	EDLs are not linked to Beneficial Uses.
Utility of measure for judging if standards or uses are not attained	EDLs are not an applicable guideline for assessment of beneficial use protection.
Water Body-specific Information	N/A
Data used to assess water quality	N/A
Spatial representation	N/A
Temporal representation	N/A
Data type	N/A
Use of standard method	N/A
Potential Source(s) of Pollutant	N/A
Alternative Enforceable Program	
RWQCB Recommendation	Delist because the original listing was based on EDLs which no longer represent valid assessment guidelines.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff concluded that the water body should be removed from the section 303(d) list because the applied EDL guidelines are not a valid tool to interpret narrative water quality standards.

Region 4: Wheeler Creek-Todd Barranca
TDS

Water Body	Wheeler Creek-Todd Barranca
Stressor/Media/Beneficial Use	TDS/Water/Agriculture
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District
Linkage between measurement endpoint and benefical use or standard	TDS WQO is linked to Agriculture.
Utility of measure for judging if standards or uses are not attained	WQO is applicable to Agriculture.
Water Body-specific Information	Data 2-5 years old, samples collected at site.
Data used to assess water quality	12 water samples, 12 sample exceeding.
Spatial representation	Limited.
Temporal representation	Quarterly sampling events.
Data type	Numerical data.
Use of standard method	United Water Conservation District methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. All of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

Region 4: Wheeler Creek-Todd Barranca
Sulfate

Water Body	Wheeler Creek-Todd Barranca
Stressor/Media/Beneficial Use	Sulfate/Water/Agriculture
Data quality assessment. Extent to which data quality requirements met.	United Water Conservation District
Linkage between measurement endpoint and benefical use or standard	Sulfate WQO is linked to Agriculture.
Utility of measure for judging if standards or uses are not attained	WQO is applicable the Agriculture.
Water Body-specific Information	Data 2-5 years old, samples collected at site.
Data used to assess water quality	12 water samples, 11 sample exceeding.
Spatial representation	Limited.
Temporal representation	Quarterly sampling events.
Data type	Numerical data.
Use of standard method	United Water Conservation District methods.
Potential Source(s) of Pollutant	Nonpoint sources.
Alternative Enforceable Program	
RWQCB Recommendation	List.
SWRCB Staff Recommendation	After reviewing the available data and information and the RWQCB documentation for this recommendation, SWRCB staff conclude that the water body should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem. This conclusion is based on the staff findings that: 1. The data is considered to be of adequate quality. 2. The data exhibited sufficient temporal coverage. 3. Beneficial uses have been established and apply to the water body. 4. Water quality standard used is applicable. 5. Data are numerical. 6. Standard methods were used. 7. Other water body information including the effects of season and age of the data were considered. Most of the water quality measurements exceeded the water quality standard. The staff confidence that standards were exceeded is high.

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