

Staff Report

Los Angeles Region Integrated Report

Clean Water Act Section 305(b) Report and Section 303(d) List of Impaired Waters

2008 Update

**Prepared by
California Regional Water Quality Control Board, Los Angeles Region**



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1 Executive Summary

This Integrated Report provides the recommendations of the staff of the California Regional Water Quality Control Board, Los Angeles Region (Los Angeles Water Board) for changes to the Clean Water Act (CWA) Section 303(d) list of impaired waterbodies and provides a draft Clean Water Act Section 305(b) report (Integrated Report). The Integrated Report includes both the list of impaired waterbodies and identified waters which are known to be meeting beneficial uses within the Los Angeles Region.

The Introduction to this Integrated Report provides the context and purpose and an overview of the approach and describes the public process that will be used for adoption of the changes to the 303(d) list and finalization of the Integrated Report. The remainder of the report describes data sources used, the objectives and criteria against which data were compared, the methodology for comparing the available data to the criteria to assess attainment of water quality standards and determine potential 303(d) listings and the methodology used to categorize waterbody segments according to beneficial use support for the 305(b) report. Results are briefly summarized and discussed following descriptions of the methodology.

Recommendations are shown in detail in the appendices. Appendix A shows the public solicitation letters requesting that the public submit any and all available data to support the assessment of water quality in the Region. Appendices B through E provide lists of waterbodies in Integrated Report categories of beneficial use support. Appendix F presents a list of all impairments by waterbody including those waterbodies in Integrated Report categories 4 and 5 (appendices D and E) which is the list referred to as the 303(d) list. Appendix G presents "fact sheets" for each waterbody-pollutant combination that was analyzed for the proposed 303(d) listing decisions. These fact sheets include at least one "Line of Evidence" describing the data and information used as a basis for each proposed decision. Appendix H presents fact sheets for other miscellaneous changes to the 303(d) list. Appendix I provides citations for all of the references used in developing the Integrated Report.

There are 68 proposed new 303(d) listings in 41 waterbodies and 30 proposed de-listings in 19 waterbodies on the Los Angeles Region 303(d) list.

Additions of new impaired waterbodies to the list ('listings') or deletions of no longer impaired waterbodies from the list ('delistings') were constrained by availability of water quality data. Many waterbodies in the Region are not sampled on a regular basis. In addition, identification of waterbodies which are not impaired by pollutants and meet all beneficial uses has also been driven by availability of data.

Regional Board staff reviewed all data available to determine impairment or the absence of impairment but staff focused on developing listing or delisting decisions and factsheets for the update and did not usually develop do-not-list or do-not-delist decisions and factsheets as these decisions would not alter the final 303(d) list.

The Los Angeles Region Integrated Report and updated 303(d) list included in this staff report is being circulated for public comments. Written comments received before June 17, 2009 will be responded to in writing. The reports and the response to comments will then be brought before the Los Angeles Water Board at a public hearing for potential approval. Public testimony will also be heard at the public hearing. After approval by the Los Angeles Water Board, the Integrated Report, including the updated 303(d) list, will be submitted to the State Water Resources Control Board (State Board) for approval along with the other Region's reports. The full State Integrated Report will then be submitted to the USEPA for approval and will then be final.

2 Introduction

The purpose of this report is to identify those surface waters in the Los Angeles Region which are impaired by pollutants or conditions which prevent them from meeting beneficial uses and to identify those waterbodies which data show are meeting beneficial uses.

An important requirement of the Clean Water Act is to identify those waters which are polluted, not meeting established standards and not supporting the uses expected of those waterbodies. With identification is the recognition of the need for action. Appropriate action after identifying a polluted waterbody is generally the development of a Total Maximum Daily Load (TMDL) but, in some cases, may also include permitting actions or prohibiting discharges to the waterbody, taking cleanup actions, or restoration projects.

2.1 Regulatory Process

The Clean Water Act (CWA) requires each State to assess the status of water quality in the State (Section 305(b)), and provide a list of impaired water bodies (Section 303(d)) to the U.S. Environmental Protection Agency (U.S. EPA) every two years. For water quality limited segments included on the 303(d) list, the state is required to develop a Total Maximum Daily Load (TMDL) or take other action to address the impairment.

The last review and update of the State's 303(d) list occurred in 2006. That review was conducted by the State Water Resources Control Board using the State Board's *Water Quality Control Policy for Developing California's Clean Water Act Section 303(d) List* (Listing Policy) (SWRCB 2004) developed in 2004. The 2006 update was the first review and update to use that policy.

For the 2008 update, each Regional Water Board is conducting their own reviews of new and previous water quality data and updating the assessment and list of impaired waterbodies according to the Listing Policy.

This staff report presents this Regional Board's assessment of the current status of water quality in the Los Angeles Region for water bodies with readily available data, and identifies

the methods and data used to evaluate the water quality. This report proposes additions, deletions, and changes to the 2006 303(d) list. The water quality assessments also result in the identification of water bodies where water quality standards are met or where not enough information is available to accurately assess water quality.

Certain sections of the Integrated Report require public review and approval by the Regional Board and then approval by the State Board. These sections, or categories, are the lists of water quality limited segments whether being addressed by a TMDL or action other than a TMDL or not yet being addressed (Category lists 4 and 5, the 303(d) list). The other sections of the Integrated Report, which are waters supporting beneficial uses and waters with insufficient data (Categories lists 1, 2, and 3), are provided as information and do not require Board action.

After approval by the Los Angeles Water Board, the Integrated Report will be submitted to the State Water Resources Control Board for approval along with the other Region's reports. The results of the water quality assessments will be compiled with other Regional Board reports into a statewide integrated report referred to as the 303(d)/305(b) Integrated Report by the State Board. The statewide list of all the water quality limited segments will require final approval by the USEPA. The US EPA then compiles these assessments into their biennial "National Water Quality Inventory Report" to Congress.

3 Development of the Integrated Report

3.1 Data solicitation

Federal regulation [(40 CFR § 130.7(b)(5))] states that "Each State shall assemble and evaluate all existing and readily available water quality-related data and information" when developing the 303(d) list. On December 4, 2006, Water Board staff solicited the public to submit any and all water quality data to be considered in preparation of the 2008 303(d) list and 305(b) report. This solicitation established a data submittal deadline of February 28, 2007. On January 30, 2007, staff transmitted a notice clarifying that there were no limits on the type or format of data and information that the public could provide to the Water Boards for their assessment. The notices provided to the public can be found in Appendix A of this report.

The Regional Board received 17 submissions in response to the data solicitation. In addition, staff assembled all other available data. Larger databases considered included:

- National Pollutant Discharge Elimination System (NPDES) permitting data from major NPDES discharges. These data included data collected under the Municipal Separate Storm Sewer System (MS4) NPDES permits.
- Surface Water Ambient Monitoring Program (SWAMP) data. SWAMP is a statewide monitoring effort, administered by the State Water Board, designed to assess the conditions of surface waters throughout the state of California. Monitoring is

conducted in SWAMP through the Department of Fish and Game and Regional Boards monitoring contracts.

- Southern California Bight Regional Monitoring (Bight) data. The Southern California Water Research Project (SCCWRP) coordinates the efforts of many participating organization to conduct the Coastal Ecology component of the Bight regional monitoring effort. These surveys seek to determine the spatial extent of contaminant accumulation in marine sediments and assess the effects of this contamination on living marine resources. Coastal Ecology regional monitoring is conducted every five years. More than 60 organizations have participated as partners in the Coastal Ecology portion of SCCWRP's Bight regional monitoring efforts.

3.2 Listing Policy and Evaluation Criteria

The proposed 2008 303(d) list of impaired water bodies in the Los Angeles Region was developed in accordance with the Water Quality Control Policy for Developing California's Clean Water Act Section 303(d) List (State Board Listing Policy) and the Functional Equivalent Document, both adopted by the State Water Resources Control Board in September 2004. The Listing Policy establishes a standardized approach for developing California's section 303(d) list. It outlines an approach that provides the rules for making listing decisions based upon different types of data and establishes a systematic framework for statistical analysis of water quality data.

The Listing Policy also establishes requirements for data quality, data quantity, and administration of the listing process. Decision rules for listing and delisting are provided for: chemical-specific water quality standards; bacterial water quality standards; health advisories; bioaccumulation of chemicals in aquatic life tissues; nuisances such as trash, odor, and foam; nutrients; water and sediment toxicity; adverse biological response; and degradation of aquatic life populations and communities. The listing policy specifies the frequency of exceedance of applicable water quality objectives that is necessary to make a determination that the water is impaired.

Listing and delisting decisions were made in accordance with the listing policy, using all applicable narrative and numeric water quality criteria contained in the Los Angeles Region Basin Plan and in the California and National Toxic Rules.

3.3 Standards Used in the Analysis

Beneficial Uses:

The beneficial uses for waters in the Los Angeles Region are identified in the Los Angeles Regional Water Quality Control Plan (Basin Plan). For consistency with other Regions in California and other States, six "core" beneficial uses were assessed. The designated beneficial uses in the Basin Plans fit within these six "core" beneficial uses categories, which are:

1. Aquatic Life Support
2. Drinking Water Supply
3. Fish Consumption
4. Secondary Contact
5. Shell fishing, and
6. Swimming.

Water Quality Objectives, Criteria and Guidelines:

The water quality objectives and criteria used in the assessments were from existing and available State Policy and Plans and included the following:

- Water Quality Control Plan, Los Angeles Region (Basin Plan)
- Statewide Water Quality Control Plans (e.g., the California Ocean Plan)
- California Toxics Rule (40 CFR 131.38)
- Maximum Contaminant Levels in California Code of Regulations, Title 22.

Narrative water quality objectives were evaluated using evaluation guidelines as allowed by the Listing Policy. When evaluating narrative water quality objectives, staff identified evaluation guidelines that represented standards attainment or beneficial use protection. Depending on the beneficial use and narrative standard, the following were used in the selection of evaluation guidelines:

1. Sediment Quality Guidelines for Marine, Estuarine, and Freshwater Sediments:
When applying narrative water or sediment quality criteria, staff used guidelines developed by the U.S. EPA and other government agencies together with findings published in the scientific peer-reviewed literature to interpret data and evaluate the water quality conditions. Sediment quality guidelines published in the peer-reviewed literature or developed by state or federal agencies were used. Acceptable guidelines included selected values (e.g., effects range-median, probable effects level, probable effects concentration), and other sediment quality guidelines. Only those sediment guidelines that were predictive of sediment toxicity were used (i.e., those guidelines that have been shown in published studies to be predictive of sediment toxicity in 50 percent or more of the samples analyzed).
2. Evaluation Guidelines for Protection from the Consumption of Fish and Shellfish:
Evaluation guidelines published by USEPA or OEHHA were used.
3. Evaluation Guidelines for Protection of Aquatic Life from Bioaccumulation of Toxic Substances: Evaluation values for the protection of aquatic life published by the National Academy of Science were used.

The State Listing Policy and the use of the same water quality objectives criteria and guidelines ensure that all Regions develop listing or delisting decisions in a consistent manner. Below are three pollutant categories which require some Los Angeles Region-specific elaboration

3.3.1 Indicator bacteria

For indicator bacteria listing decisions, the Los Angeles Region followed the State Listing Policy but used a Los Angeles Region-specific exceedance day approach as outlined below.

Previous iterations of the Los Angeles Region's 303(d) list included impairments for "total coliform," "enterococcus," "viruses (enteric)," "coliform," "beach closures," "swimming restrictions," "high coliform count," "bacteria indicators," and "fecal coliform." In this update, Regional Board staff have begun to categorize these impairments all as "indicator bacteria."

"Indicator bacteria" impairments can include impairments due to any sewage or fecal matter bacterial indicator including total coliform, fecal coliform, *E. coli*, and *enterococcus*.

In this update, Regional Board staff have calculated the frequency of exceedances of standards for indicator bacteria using a exceedance day approach.

Basin Plan

The Los Angeles Region Basin Plan lists bacteria water quality objectives to protect the water contact recreation and non-contact water recreation beneficial uses in marine and fresh water. The marine water objectives for bacteria are also mirrored in the State Water Resources Control Board's Water Quality Control Plan for Ocean Waters of California (Ocean Plan).

Regional Board Resolution 2002-022, effective on July 15, 2003, to the Basin Plan included Implementation Provisions for Water Contact Recreation Bacteria Objectives which allow a reference system approach. In part, below

...In the context of a TMDL, the Regional Board may implement the single sample objectives in fresh and marine waters by using a 'reference system/antidegradation approach' or 'natural sources exclusion approach' as discussed below. ...

Under the reference system/antidegradation implementation procedure, a certain frequency of exceedance of the single sample objectives above shall be permitted on the basis of the observed exceedance frequency in the selected reference system or the targeted water body, whichever is less. The reference system/anti-degradation approach ensures that bacteriological water quality is at least as good as that of a reference system and that no degradation of existing bacteriological water quality is permitted where existing bacteriological water quality is better than that of the selected reference system.

Bacterial TMDLs and exceedance days in the Los Angeles Region

All bacterial TMDLs developed in the Los Angeles Region have used the reference system approach and have calculated the number of exceedance days at the reference system to define the reference condition. These TMDLs include the Santa Monica Bay Beaches Dry Weather Bacteria TMDL (effective 2003), the Santa Monica Bay Beaches Wet Weather

Bacteria TMDL (effective 2003), Marina Del Rey Back Basins Bacteria TMDL (effective 2004), Los Angeles Harbor Inner Cabrillo Beach and Main Ship Channel Bacteria TMDL (effective 2005), the Malibu Creek and Lagoon Bacteria TMDL (effective 2006), the Ballona Creek Bacteria TMDL (effective 2007), and the Harbor Beaches of Ventura County (Channel Islands Harbor Beaches) Bacteria TMDL (effective 2008).

With an exceedance day method, all appropriate bacterial indicators (i.e. marine or fresh water indicators) are evaluated in one analysis to determine if the waterbody is impaired as opposed to evaluating each bacterial indicator separately and then considering those two or three evaluations to determine if the waterbody is impaired.

To calculate the number of exceedance days, the number of days during a defined period during which one or more indicator bacteria exceeds the standard is an exceedance day. For example, at a freshwater, REC-1 site, a day in which *E. coli* exceeds the standard is one exceedance day, a day in which Fecal Coliform exceeds the standard is one exceedance day and a day in which *both E. coli* and Fecal Coliform exceeds the standard is also one exceedance day.

Calculating exceedance days for all applicable indicators may be in some instances a more conservative approach (i.e. more likely to find a waterbody to be impaired) than a straight indicator by indicator approach and therefore is more protective of human health.

The Listing Policy has specific listing factors for bacterial data from coastal beaches. Section 3.3 and of the Listing Policy discuss methodology for listing water bodies. For *listing* coastal beaches, "if water quality monitoring was conducted April 1 through October 31 only, a four percent exceedance percentage shall be used" (SWRCB, 2004). The 4% exceedance percentage applies to the null hypothesis for the binomial distribution formula at the bottom of Table 3.2. Section 4.3 of the Listing Policy discuss methodology for *delisting* water bodies and does not specifically describe the use of more stringent exceedance percentage for coastal beach water quality monitoring conducted April 1 through October 31 only, though one is inferred. A 19% exceedance percentage was used for water quality monitoring conducted April 1 through October 31 only when assessing delisting status. The 19% exceedance percentage applies to the null hypothesis for the binomial distribution formula at the bottom of Table 4.2. Therefore, for coastal beach datasets in which both year-round monitoring was conducted following by subsequent monitoring from April 1 to October 31 (e.g., year-round from 2000 to 2002 and April 1 to October 31 from 2003 to 2005), the datasets were evaluated in two parts due to differing exceedance percentages for assessing listing and delisting status.

Regional Board staff followed the Listing Policy methodology and exceedance percentages and calculated exceedance days by both single sample exceedances and geometric mean exceedances.

a. Single Sample

The Basin Plan lists four single sample limits for marine waters and two for fresh water. If samples tested for indicator bacteria exceed any of the indicator bacteria limits, a "single sample exceedance day" for indicator bacteria was designated.

b. Geometric Means

The Basin Plan lists three geometric mean bacteria limits for marine waters and two for fresh water. Receiving water data was evaluated based on these numeric limits and the exceedance day approach in a similar manner to single samples. As such, a calendar month approach as opposed to a rolling 30 day sample approach was used to assess geometric mean to maintain sample independence. Two or more samples were used per calendar month for calculating geometric means.

3.3.2 Invasive species

In this update, Regional Board staff propose new listings for invasive species.

Several other Region's 303 (d) lists include listings for "exotic species," which were made in recent listing updates. In the Los Angeles Region there is one listing for "exotic vegetation," a listing made prior to 1998.

Table 3-1 Listings for exotic species in the State 2006 303(d)

	Region	Number of listings	listing	notes
1	North Coast	1	exotic species	european green crab
2	San Francisco Bay	12	exotic species	ballast water
5	Central Valley	10	exotic species	source unknown
4	Los Angeles	1	exotic vegetation	Ballona Creek

For this listing update, Regional Board staff are proposing listings for "invasive species" as opposed to exotic species" Staff prefer not listing for "exotics" or "non-native" because not all exotic or non-native species are invasive or cause loss of beneficial uses and may even support beneficial uses. For example, the Department of Fish and Game has regulations to protect certain non-native species (e.g. striped bass) and mosquito fish are "non-native" but are used as a biological control by most mosquito abatement districts. In fact, in this listing update, The State Board is re-naming the "exotic species" listings as "invasive species" listings to reflect this.

Invasive species is defined as: an alien species whose introduction does or is likely to cause economic or environmental harm or harm to human health. This definition is taken from United States Executive Order 13112 of February 3, 1999 on Invasive Species (USA, 1999).

However, there are still several issues inherent in listing for such a non-traditional pollutant.

- 1) While certain "biological materials" have been considered pollutants, populations of animals have not been traditionally considered "pollutants." Section 502(6) of the Clean Water Act defines "pollutants" to include "biological materials...*discharged into water*". The courts have interpreted the term "biological materials" to include "invasive" species that might be found in ballast water which is discharged. It is not clear that these Clean Water Act definitions and court interpretations would apply equally to invasive or non-native species that are already established (i.e. non-native species whose populations are not sustained or increased by ongoing discharges) as they would to invasive species that are continuing to be discharged.
- 2) Standards have not been written explicitly for invasives.
- 3) A 303(d) listing would trigger an obligation by the Regional Board to develop a program to address the "invasive" species impairment. It would be a significant challenge to develop the regulatory program to regulate a population of an established invasive species.

In this 2008 update, Regional Board staff have recommended the new listing of Malibu Creek, Medea Creek, Lindero Creek and Las Virgenes Creek in the Malibu Creek watershed and Solstice Canyon Creek in the Santa Monica Bay watershed as impaired for invasive species, specifically the New Zealand mudsnail. Factsheets for these decisions are included in Appendix G.

Cold Creek, and Triunfo Creek also have mudsnails but are not recommended for listing at this time. Factsheets for these decisions are included in Appendix G.

New Zealand mudsnails, *Potamopyrgus antipodarum*, are tiny (3-5 mm), highly invasive aquatic snails. From the Santa Monica Bay Restoration Commission/Santa Monica Baykeeper (2009):

In large numbers, these small snails can completely cover a stream bed and wreak havoc on local stream ecosystems. Several studies have documented NZMS [New Zealand Mud Snail] densities in streams at more than 500,000 organisms per square meter. These massive colonies simply outcompete native aquatic invertebrates that the watershed's fish and amphibians rely on for food, disrupting the entire food web. NZMS are easily transported from stream-to-stream by hitchhiking, they attach themselves to shoes (especially waders), equipment (fishing gear, bicycle tires), animals (native and non-native), and even boats. Anything that contacts a stream infested by NZMS will likely become contaminated. New Zealand mudsnails were discovered in Idaho in the mid-1980s, and have since spread to every western state except New Mexico. NZMS were first identified in benthic macroinvertebrate (BMI) samples

collected in the Malibu Creek watershed in May 2005. Unfortunately, the Malibu Creek watershed samples containing NZMS were not identified until May 2006. NZMS pose a significant danger to streams throughout the Santa Monica Mountains and threaten the many efforts at habitat restoration and protection, particularly those to restore populations of the endangered steelhead trout in this region.

The data available for mudsnails was evaluated by the State Listing Policy, Section 3.10, Trends in Water Quality, using the narrative toxicity standard in the Basin Plan as the criteria. This approach is similar to the approach taken by State Board for listing “exotic species” during the 2006 listing update and is in accordance with the Listing Policy.

For mudsnails in the Los Angeles Region specifically, a waterbody is proposed to be included on the 303(d) list as impaired for invasive species if a negative trend in water quality has been demonstrated and the Aquatic Life Support core beneficial use was not supported. Staff considered a reach to be demonstrating a negative trend in water quality if at least one site in the waterbody exhibited an increase in density of mudsnails (with at least a three years sampled). Staff considered the core beneficial use of Aquatic Life Support not to be supported if at least one site exhibited a medium or high density of mudsnails.

3.3.3 Biostimulatory Substances- possible future impairment determinations

In this Integrated Report and 303(d) list update, Regional Board staff have continued to determine impairments and list and de-list decisions for nitrogen compounds as in the past based on Basin Plan nitrogen compound objectives. The Basin Plan contains a specific nitrogen (nitrate nitrite) water quality objective, which is established at 10 mg/L nitrogen as nitrate-nitrogen plus nitrite-nitrogen. This objective is specifically set to protect drinking water beneficial uses and is consistent with the California Department Public Health nitrate drinking water standard.

This nitrogen water quality objective does not protect waterbodies from impairments related to biostimulatory substances and eutrophication. However, Basin Plan also contains a narrative standard for biostimulatory substances and the Regional Board recognizes the need for a clear approach for determinations of impairment under the biostimulatory substances standard in the Basin Plan.

Previous iterations of the Los Angeles Region’s 303(d) list have recognized the need to determine impairment based on biostimulatory substances and eutrophication and have included impairments for ‘low DO/org. enrichment,’ ‘algae,’ ‘nutrient/(algae),’ ‘odors, scum,’ ‘Eutroph,’ and ‘unnatural scum/foam.’ In future updates, Regional Board staff is considering categorizing these impairments all as ‘biostimulatory substances’ using a Los Angeles Region specific, nutrient concentration/biological response method as described below. In this 2008 list update, however, no “biostimulatory substances” impairments have been included.

The biostimulatory substances water quality objective in the Basin Plan addresses water quality impairments related to nutrient enrichment (eutrophication). The Basin Plan identifies biostimulatory substances as 'nitrogen, phosphorus and other compounds that stimulate growth'. The water quality objective states:

Waters shall not contain biostimulatory substances in concentrations that promote aquatic growth to the extent that such growth causes nuisance or adversely affects beneficial uses.

Eutrophication and nutrient enrichment problems rank as the most widespread water quality problems nationwide; for example, more lake acres are affected by nutrients than any other pollutant or stressor (EPA 2000). Eutrophication is defined by increased nutrient loading to a waterbody and the resulting increased growth of phytoplankton and other aquatic plants. Additionally, other parameters such as decreased dissolved oxygen and water clarity can also indicate eutrophic conditions. Phosphorus and nitrogen are recognized as key nutrients for the growth of phytoplankton, algae, and aquatic plants and are responsible for the eutrophication of surface waters.

A waterbody's biological response to nutrient loading is often what actually impairs beneficial uses. For example, increased nitrogen and phosphorus loading can lead to harmful algal blooms, which impair the beneficial uses of the waterbody. Therefore, it is useful to evaluate potential biostimulatory substance impairments in terms of both nutrient concentrations and biological response indicators. Key biological response indicators include the following:

- Low Dissolved Oxygen (DO)
- Dramatic Diurnal Variations in DO
- Increased pH
- Decreased Water Clarity
- Increased Chlorophyll a Concentration
- Increase Macro and/or Benthic Algal Biomass
- Unpleasant Odors, Taste and/or Aesthetics

By evaluating both nutrient concentrations and biological response indicators together, a more direct linkage is made between water quality conditions and beneficial use impairments. This approach provides a more robust water quality assessment.

The Los Angeles Regional Water Board is considering including waterbodies on the State's 303(d) list of impaired waterbodies for biostimulatory substances when both nutrient concentrations and one or more biological response indicators are at levels which characterize eutrophic conditions and/or beneficial uses of the waterbody are impaired.

However, there are many nutrient and biological response indicator criteria that may be reviewed and applied for the purposes of placing a waterbody on the State's 303(d) list. Table 3.1 and 3.2 below present various nutrient concentrations and associated biological

response indicator criteria limits. These criteria are being considered by the Regional Board to assess the biostimulatory substances water quality objective. The sources of these criteria include EPA Nutrient Criteria Technical Guidance Manual, EPA Ambient Water Quality Criteria Recommendations Nutrient Ecoregion III, and California Nutrient Numeric Endpoints. The Regional Board intends to solicit stakeholder comments regarding the criteria presented below for development of the guidelines to be used for listing in future updates of the 303(d) list.

Table 3-2 Rivers and Streams: Nutrient Concentration and Biological Response Indicators Criteria Limits

Potential Criteria to assess Biostimulatory Substances Water Quality Objective						
Rivers and Streams						
Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Benthic Algal Biomass (mg/m ²)	Percent Cover	pH	Dissolved Oxygen (mg/L)	Source
0.65	0.09	150	none	Shall not be < 6.5 or > 8.5 or change 0.5 units from ambient condition due to waste discharge	WARM ≥ 5 COLD ≥ 6 COLD & SPWN ≥ 7	EPA National Nutrient Criteria Technical Guidance
0.37	0.022	43.9	none	Shall not be < 6.5 or > 8.5 or change 0.5 units from ambient condition due to waste discharge	WARM ≥ 5 COLD ≥ 6 COLD & SPWN ≥ 7	EPA Nutrient Criteria Recommendations Ecoregion III
0.5	0.03	none	none	Shall not be < 6.5 or > 8.5 or change 0.5 units from ambient condition due to waste discharge	WARM ≥ 5 COLD ≥ 6 COLD & SPWN ≥ 7	EPA Nutrient Criteria Recommendations Ecoregion III: Sub-Ecoregion 6 - Southern and Central CA
0.06	0.002	150	none	Shall not be < 6.5 or > 8.5 or change 0.5 units from ambient condition due to waste discharge	WARM ≥ 5 COLD ≥ 6 COLD & SPWN ≥ 7	Nutrient Numeric Endpoints - Malibu Creek Case Study
0.23	0.02	WARM 150 COLD 100	none	Shall not be < 6.5 or > 8.5 or change 0.5 units from ambient condition due to waste discharge	WARM ≥ 5 COLD ≥ 6 COLD & SPWN ≥ 7	Nutrient Numeric Endpoints - SWRCB Nutrient Screening tools for 303(d) Listing
< 0.295 as SIN*	< 0.026 as SRP**	120	Floating 30% Benthic 60%	Shall not be < 6.5 or > 8.5 or change 0.5 units from ambient condition due to waste discharge	WARM ≥ 5 COLD ≥ 6 COLD & SPWN ≥ 7	New Zealand Periphyton Guideline. Barry Biggs, June 2000
*Soluble Inorganic Nitrogen (SIN). **Soluble Reactive Phosphorus (SRP) Basin Plan Water Quality Objectives are applied for pH and dissolved oxygen						

Table 3-3 Lakes: Nutrient Concentration and Biological Response Indicators Criteria Limits

Potential Criteria to assess Biosstimulatory Substances Water Quality Objective						
Lakes						
Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Chlorophyll a (ug/L)	Secchi Depth (m)	pH	Dissolved Oxygen (mg/L)	Source
1	0.1	14	none	Shall not be < 6.5 or > 8.5 or change 0.5 units from ambient condition due to waste discharge	WARM ≥ 5 COLD ≥ 6 COLD & SPWN ≥ 7	EPA National Nutrient Criteria Technical Guidance
0.4	0.017	3.5	2.8	Shall not be < 6.5 or > 8.5 or change 0.5 units from ambient condition due to waste discharge	WARM ≥ 5 COLD ≥ 6 COLD & SPWN ≥ 7	EPA Nutrient Criteria Recommendations Ecoregion III
0.51	0.172	24.6	1.9	Shall not be < 6.5 or > 8.5 or change 0.5 units from ambient condition due to waste discharge	WARM ≥ 5 COLD ≥ 6 COLD & SPWN ≥ 7	EPA Nutrient Criteria Recommendations Ecoregion III: Sub - Ecoregion 6 - Southern and Central CA
0.84	0.05	20	none	Shall not be < 6.5 or > 8.5 or change 0.5 units from ambient condition due to waste discharge	WARM ≥ 5 COLD ≥ 6 COLD & SPWN ≥ 7	Nutrient Numeric Endpoints - Malibu Creek Case Study
1.2 (summer mean)	0.1 (summer mean)	WARM 10 COLD 5	none	Shall not be < 6.5 or > 8.5 or change 0.5 units from ambient condition due to waste discharge	WARM ≥ 5 COLD ≥ 6 COLD & SPWN ≥ 7	Nutrient Numeric Endpoints - SWRCB Nutrient Screening tools for 303(d) Listing
Basin Plan Water Quality Objectives are applied for pH and dissolved oxygen						

3.4 Data Analysis

Water Board staff evaluated the submitted data and additional data in accordance with the Listing Policy, taking into account data quality and spatial and temporal representativeness.

LOEs. A determination that a waterbody is impaired by a particular pollutant was dependent on one or more Lines of Evidence (LOE). A Line of Evidence is the specific information for a single pollutant from a single data source in a waterbody. The LOE includes the beneficial use(s) impacted; the pollutant name(s) pertaining to that water segment and data; the water quality objective (WQO), criterion (WQC) or guideline used to assess the data; detailed information specific to that data; how the data was assessed including the type of data, the total number of samples assessed and those samples that exceeded the WQO, WQC or guideline; where and when the data was collected.

Factsheets. The factsheet includes all LOEs developed for a certain pollutant waterbody combination and the resulting listing or delisting decision.

All available data was reviewed by staff. Analyses were documented in Lines of Evidence, factsheets and listing or delisting decisions according to established priorities. All high priority factsheets were completed.

Los Angeles Region Factsheet Development Priorities

1. High Priority

a. factsheets (decision: *list*) for waterbody/pollutant combinations not on the 2006 303(d) list where an examination of the data indicate standards were not met. This factsheet may refer to more than one core beneficial use.

b. factsheets (decision: *de-list*) for waterbody/pollutant combinations on the 2006 303(d) list where an examination of the data indicate standards were met.

c. factsheets (decision: *a core use is being supported*) for waterbody/core use combination where an examination of the data indicate that all standards (for which there are data) are being met for that core use (305(b)). This factsheet may refer to more than one pollutant.

d. factsheets for waterbody/pollutant combinations on the 303(d) list where a TMDL has been completed and approved by EPA (new approved TMDLs since 2006 303(d) list).

2. Medium Priority

a. factsheets (decision *a core use is being supported*) for waterbody/core use combination where a preliminary examination of the data indicate that standards are being met for that core use (305(b)). This factsheet may refer to more than one pollutant. However, there may be a waterbody/pollutant combinations on the list impairing other core uses.

b. factsheets (decision: *clarification*) for waterbody/pollutant combinations where the name of the pollutant has changed (e.g. PAHs to become individual PAHs (e.g. aldrin, fluoranthene)) or it is advisable to make a change in the extent of the waterbody (e.g. one waterbody is broken into two or a the dividing line between two reaches is modified).

c. factsheets (decision: *do not list or do not de-list*) for waterbody/pollutant combinations where there is significant new data (new line of evidence) but a preliminary examination of the data indicate that the list status (listed or not listed) would not change.

3. Low Priority

a. factsheets for waterbody/pollutant combinations where a preliminary examination of the data indicate standards were met (the creation of a "do not list" factsheet where the waterbody is listed for some other waterbody/pollutant combination or a 305(b) supporting factsheet has been completed).

b. factsheets for waterbody/pollutant combinations where the waterbody/pollutant combination is on the 303(d) list for that waterbody/pollutant combination and a preliminary examination of the data indicate standards were not met (the creation of a "do not de-list" factsheet).

c. factsheets for waterbody/pollutant combinations where available data is of insufficient quantity or quality to make assessments.

3.5 Integrated Report Categories

In this report, each assessed waterbody segment was assigned to one of five non-overlapping categories.

First, for each core beneficial use associated with each waterbody segment, a rating of fully supporting, not supporting, or insufficient information was assigned based on the readily available data and the analyses and criteria described, above. Then each assessed water segment was placed into one of five non-overlapping categories of water bodies. These Integrated Report categories are based on the USEPA guidance for states' Integrated Reports, but contain some modifications based on the State Listing Policy. The distribution of waterbodies into these categories may not be representative of the true state of waterbodies in the Los Angeles Region due to the availability of water quality data and Regional Board decision development priorities.

Category 1: A water segment that 1) supports a minimum of one Beneficial Use for each Core Beneficial Use that is applicable to the water; and 2) has no other uses impaired. (No appendix to this report has been included for this category since, at this time, the Los Angeles Region has no waterbodies for which data supports that all beneficial uses are being supported.)

Category 2 (Appendix B): A water segment that 1) supports some, but not all, of its beneficial uses; 2) can have other uses that are not assessed or lack sufficient

information to be assessed; 3) cannot have uses which not supported; and 4) in agreement with the USEPA, may be included in this category with a minimum of one pollutant assessed for one use.

Category 3: (Appendix C): A water segment with water quality information that could not be used for an assessment, for reasons such as: monitoring data have poor quality assurance, not enough samples in a dataset, no existing numerical objective or evaluation guideline, the information alone cannot support an assessment, etc. Waters completely lacking water quality information are considered "not assessed".

Category 4A (Appendix D): A water segment where ALL its 303(d) listings are being addressed; and 2) at least one of those listings is being addressed by a USEPA approved TMDL.

Category 4B: A water segment where ALL its 303(d) listings are being addressed by action(s) other than TMDL(s). (No appendix to this report has been included for this category since, at this time, the Los Angeles Region does not have waterbodies in this category.)

Category 4C: A water segment that is impacted by non-pollutant related cause(s). (No appendix to this report has been included for this category since, at this time, the Los Angeles Region does not have waterbodies in this category.)

Category 5 (Appendix E): A water segment where standards are not met and a TMDL is required, but not yet completed, for at least one of the pollutants being listed for this segment.

3.6 Information Management

All LOEs, factsheets and listing or delisting decisions were entered into the statewide *California Water Quality Assessment (CalWQA) Database*. The CalWQA database stores all LOEs, listing decisions, and beneficial use support ratings for assessed water bodies in California. This database was developed in 2007 for the purpose of storing detailed water quality assessment information. The database is designed so that this information can be easily reevaluated in future assessment updates and can be exported to the USEPA's Assessment Database at the end of each assessment update.

4 Summary of Assessment Results

A full summary of the Los Angeles Region Integrated Report is included as Table 4-1.

Table 4-1 Integrated Report Summary

Integrated Report Category Number	Integrated Report Category definition	Number of waterbodies
1	Waters Supporting All Beneficial Uses	0
2 (Appendix B)	Waters Supporting Some Beneficial Uses	26
3 (Appendix C)	Waters With Insufficient Information	23
4 (Appendix D)	Water Quality Limited Segments Addressed	31
5 (Appendix E)	Water Quality Limited Segments not Fully Addressed	158
<i>Total</i>		<i>238 assessed waterbodies</i>
<i>(4 and 5) (Appendix F) 303(d) list</i>	<i>List of All Waterbody Impairments (the updated 303 (d) list)</i>	<i>189 waterbodies on the 303(d) list</i>

Of the waterbodies included in the Integrated Report, a total of 68 new listings are proposed and 30 de-listings are proposed. In addition, in this update, 113 previous listings are now included in the list as 'being addressed by a TMDL' because a USEPA approved TMDL has been completed. A summary of new additions to the Integrated Report is found in Table 4-2. In this Table, decisions to List are shown in three categories. "List" is the decision to include a waterbody/pollutant combination on the 303(d) list for the first time; "List (being addressed by TMDL)" is the decision to move a waterbody/pollutant combination from the 'requires a TMDL' portion of the list to the "being addressed by a TMDL" portion of the list because a USEPA approved TMDL has been completed since the last update to the 303(d) list in 2006; "List (being addressed by action other than TMDL)" is the decision to move a waterbody/pollutant combination from the 'requires a TMDL' portion of the list to the "being addressed by action other than TMDL" portion of the list because another regulatory action (such as a permitted restoration action) is sufficient to address the impairment. Factsheets for all these decisions are found in Appendix G.

Table 4-2 Integrated Report Summary for NEW decisions in 2008 including *delist, do not delist, do not list and list*

New Decision in 2008	Number of waterbodies	Number of waterbody/pollutant combinations
Delist	19	30
Do Not Delist	23	29
Do Not List	50	86
List	41	68
List (being addressed by TMDL)	55	113
List (being addressed by action other than TMDL)	2	3
Total		329

The total number of waterbody/pollutant combinations in the proposed 2008 303(d) list is 829. 448 of these waterbody/pollutant combinations, or 54%, require the completion of a TMDL or other regulatory action to address the impairment. 381 of these waterbody/pollutant combinations, or 46%, are currently being addressed by an EPA approved TMDL or other regulatory action.

This was the first time that the Water Boards have prepared an Integrated 303(d)/305(b) Report under the current Listing Policy and USEPA Integrated Report Guidance and the first time that the Regional Boards have used the CalWQA database. Combining the 303(d) list update with the 305(b) report and using the same database as all other Regions added efficiency and ensured consistency, but provided challenges in terms of workload and project management. While individual assessments for potential 303(d) listings or de-listings provided valuable information for the 305(b) report, creating the overall 305(b) report using 303(d) listing decisions as the primary input also had limitations. Preparing assessment fact sheets at the level of detail required for 303(d) list changes under the Listing Policy limited the amount of data which could be developed in the manner necessary for inclusion in the CalWQA database. In addition, the readily available data are also often biased towards areas with more potential discharges, since these areas are where the bulk of the monitoring activity takes place. For these reasons, the number of waterbody segments in each Integrated Report category is not necessarily a representative sampling of all the waterbodies within the Los Angeles Region. Despite these limitations, this Integrated Report provides the most complete 305(b) report for the Los Angeles Region to date.

5 TMDL Scheduling

As part of its 1996 and 1998 regional water quality assessments, the Regional Board identified over 700 waterbody-pollutant combinations in the Los Angeles Region where TMDLs would be required (LARWQCB, 1996, 1998). A 13-year schedule for development of TMDLs in the Los Angeles Region was established in a consent decree (Heal the Bay Inc., et al. v. Browner, et al. C 98-4825 SBA) (United States District Court, Northern District of California, 1999) approved on March 22, 1999 (USEPA/Heal the Bay Consent Decree).

For the purpose of scheduling TMDL development, the decree combined the over 700 waterbody-pollutant combinations into 92 TMDL analytical units. Proposed de-listings in this report would discharge or partially discharge 12 TMDL analytical units as specified in the USEPA/Heal the Bay Consent Decree between the U.S. EPA and Heal the Bay, Inc. et al. filed on March 22, 1999.

Staff identified the new listings as a low priority, to be started after the USEPA/Heal the Bay Consent Decree commitments are met. A possible exception to this would be if a new listing could be folded into an existing analytical unit without the need for additional resources to develop the resulting TMDL. The assignment of a low priority to these new TMDL analytical units is not a reflection on their importance, but is given because the Regional Board has first prioritized existing USEPA/Heal the Bay Consent Decree commitments before beginning new TMDLs. The maximum time that can elapse between 303(d) listing and TMDL completion is 13 years. Accordingly, staff have assigned all new listings a TMDL completion date of 2021. This does not suggest that all new listings have the same priority, but rather that the factors determining TMDL priorities have not yet been evaluated as part of this listing process.



Linda S. Adams
Secretary for
Environmental Protection

State Water Resources Control Board

Executive Office

Tam M. Dodge, Board Chair
1001 I Street • Sacramento, California 95814 • (916) 341-5615
Mailing Address: P.O. Box 100 • Sacramento, California • 95812-0100
Fax (916) 341-5621 • <http://www.waterboards.ca.gov>



Arnold Schwarzenegger
Governor

December 4, 2006

To: Interested Persons

NOTICE OF PUBLIC SOLICITATION OF WATER QUALITY DATA AND INFORMATION FOR 2008 INTEGRATED REPORT – LIST OF IMPAIRED WATERS AND SURFACE WATER QUALITY ASSESSMENT [303(d)/305(b)]

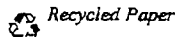
This letter initiates the solicitation period to request from interested persons data and information regarding water quality conditions in surface waters of California. Information gathered will be used to provide the basis both for identifying and listing impaired waters and for assessing overall surface water quality conditions in California.

Background Information

Every two years, the State of California is required by federal Clean Water Act section 303(d) and Title 40, Code of Federal Regulations section 130.7 to develop and submit to the U.S. Environmental Protection Agency (USEPA) for approval a list of polluted waters or water quality limited segments (distinct portions of rivers, streams, lakes, ocean waters, etc.). This list is commonly referred to as the "Section 303(d) List" or the "List of Impaired Waters." California's 2006 list has been adopted and is available at: http://www.waterboards.ca.gov/tmdl/303d_lists2006.html. The State Water Board's policy regarding listing criteria may be found at: http://www.waterboards.ca.gov/tmdl/303d_listing.html.

The list includes water bodies not meeting water quality standards (beneficial uses, water quality objectives/criteria and the State's anti-degradation policy) that are not, or are not expected to be, attained with the implementation of technology-based controls. In addition, currently-listed water bodies can be delisted when evidence reveals that such impacts have ceased, impacts never existed, or the water body is meeting water quality standards. As required by federal law, listed water bodies will be scheduled for development of total maximum daily loads (TMDLs) or other appropriate regulatory actions. A TMDL is the total maximum daily load of a pollutant that can be discharged daily into a given water body and still ensure the attainment of applicable water quality standards. In addition, Clean Water Act section 305(b) requires states to submit to USEPA for approval a report assessing statewide surface water quality.

California Environmental Protection Agency



4-367

2008 Integrated Report

For the 2008 update, the List of Impaired Waters and the Surface Water Quality Assessment will be combined into an Integrated Report. This Report is due to USEPA by April 1, 2008. The USEPA integrated reporting guidelines can be viewed at: <http://www.epa.gov/owow/tmdl/2006IRG/report/2006irg-report.pdf>

Development of Integrated Report

Data and information for the 2006 list were submitted to the State Water Resources Control Board (State Water Board). However, for the 2008 update, data and information are to be submitted to each Regional Water Quality Control Board (Regional Water Board), which will then compile and approve regional lists. Enclosure 1 provides Regional Water Board contact information. Enclosure 2 identifies each of the nine Regional Water Boards and some of the major water bodies within each Region. **To be considered in this review process, data and information must be submitted to the appropriate Regional Water Board no later than February 28, 2007.**

The State Water Board will compile the regional lists into a statewide list and consider it for adoption. Following State Water Board adoption, the list will then be combined with the Regions' surface water quality assessments into an Integrated Report, as described above, and submitted to USEPA for approval by April 1, 2008.

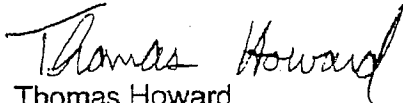
Since the data and information gathered in this solicitation will contribute to the preparation of a statewide assessment of surface water quality, please do not limit your data and information submissions to only those data that show standards are not met. Data that show standards are being met should also be submitted, as these data and information are extremely important to a proper understanding of the health of the waters of the State. More detailed information about the overall process and requirements for submitting water quality data and information can be found in Enclosure 3.

The tentative schedule for conducting the review and approval of portions of the Integrated Report is shown below. The schedule may change depending on the amount of data to be assessed and the resources available to perform the assessment.

Activity	Date
Beginning of solicitation period for data and information	December 2006
End of solicitation period for data and information	February 28, 2007
Regional Water Boards' approvals of the regional lists and water quality assessment	September 2007 through December 2007
Submittal of Regional Water Boards' portions of the List and Report to State Water Board	December 2007
State Water Board approval of statewide Integrated Report and submittal to USEPA	April 2008

Should you have questions regarding data or information you wish to submit or about this notice, please contact the respective Regional Water Board contact (see Enclosures 1 and 2). You may also contact Craig J. Wilson at the State Water Resources Control Board at 916-341-5560 (cjwilson@waterboards.ca.gov).

Sincerely,



Thomas Howard
Acting Executive Director

Enclosures

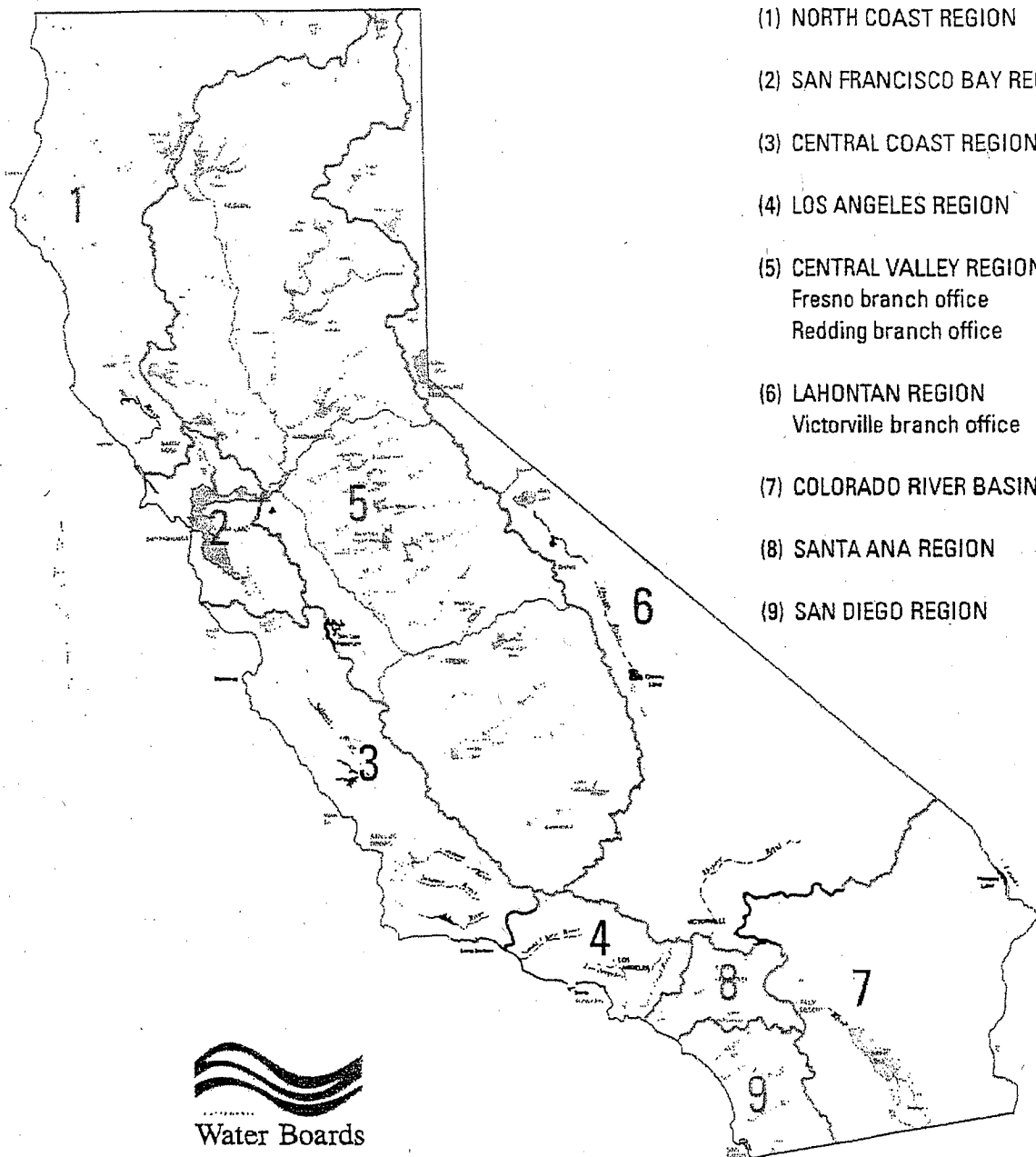
cc: Ms. Alexis Strauss, Director
Water Division (WTR-1)
U.S. Environmental Protection Agency,
Region 9
75 Hawthorne Street
San Francisco, CA 94105

All Regional Water Quality Control Boards

Regional Water Board Contacts
Integrated Report (List of Impaired Waters and Surface Water Quality Assessment)

Regional Water Board	Regional Water Board Address	Contact Name Phone Number e-mail address
(1) North Coast	5550 Skylane Blvd., Suite A Santa Rosa, CA 95403	Bruce Gwynne 707-576-2661 bgwynne@waterboards.ca.gov
(2) San Francisco Bay	1515 Clay St., Suite 1400 Oakland, CA 94612	Naomi Feger 510-622-2328 nfeger@waterboards.ca.gov
(3) Central Coast	895 Aerovista Place, Suite 101 San Luis Obispo, CA 93401	Mary Adams 805-542-4768 madams@waterboards.ca.gov and Lisa McCann 805-549-3132 lmccann@waterboards.ca.gov
(4) Los Angeles	320 W. Fourth Street, Suite 200 Los Angeles, CA 90013	Deborah Neiter 213-576-6783 dneiter@waterboards.ca.gov
(5) Central Valley	11020 Sun Center Drive #200 Rancho Cordova, CA 95670-6114	Gene Davis 916-464-4687 gmdavis@waterboards.ca.gov and Joe Karkoski 916-464-4668 jkarkoski@waterboards.ca.gov
(6) Lahontan	2501 Lake Tahoe Blvd. So. Lake Tahoe, CA 96150	Judith Unsicker 530-542-5462 junsicker@waterboards.ca.gov
(7) Palm Desert	73-720 Fred Waring Drive, Suite 100 Palm Desert, CA 92260	Logan Raub 760-776-8966 lraub@waterboards.ca.gov
(8) Santa Ana	3737 Main Street, Suite 500 Riverside, CA 92501-3348	Pavlova Vitale 951-782-4920 pvitale@waterboards.ca.gov
(9) San Diego	9174 Sky Park Ct., Suite 100 San Diego, CA 92123-4340	Lesley Dobalian 858-637-7139 ldobalian@waterboards.ca.gov and Julie Chan 858-627-3926 jchan@waterboards.ca.gov

California Regional Water Quality Control Boards



Water Boards

STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

Specific information regarding this solicitation and the ensuing section 303(d) Listing/Delisting process:

1. The Regional Water Boards will utilize the existing statewide policy, "Water Quality Control Policy for Developing California's Clean Water Act section 303(d) List" (Listing Policy) to guide the solicitation, review, and assessment of supporting data and information and to decide which candidate water bodies are to be placed on or removed from the section 303(d) List. All readily available data and information submitted pursuant to this solicitation will be reviewed and assessed using the Listing Policy. Requirements for data and information specified in the Listing Policy — including those for quality control and assurance, temporal and spatial characteristics, and minimum sample sizes — will be followed when reviewing all data and information. The Listing Policy may be viewed at: http://www.waterboards.ca.gov/tmdl/303d_listing.html.
2. Any person including, but not limited to, private citizens, public agencies, local, State, and federal governmental agencies, non-profit organizations, and businesses possessing information regarding the quality of the State's waters, may contribute data and information pursuant to this solicitation. Data submitted may be in electronic format (see 6. and 7. below), narrative form (see 8. below) or photographic form (see 9. below).
3. All new available data and information will be considered. The following data need not be submitted to the Regional Water Boards for consideration:
 - a. Data submitted as part of the 2006 section 303(d) List update;
 - b. Data that are already in the Regional Water Boards' files (e.g., data submitted as part of a discharger's monitoring and reporting program). Note that data from State and federal agencies (e.g., the United States Geological Survey (USGS), the California Department of Pesticide Regulation, etc.) also need not be submitted, as the Regional Water Boards will be soliciting data from these agencies directly.
4. All new data and information must be received by the respective Regional Water Board (see Enclosures 1 and 2) by the close of business on February 28, 2007. Please note that any information received after February 28, 2007 will not be used for the 2008 section 303(d) List or for compiling the section 305(b) Report, but will be considered in developing the 2010 section 303(d) List and section 305(b) Report.
5. Any interested person may request reassessment of a water body on the existing section 303(d) List. The interested person must:
 - a. Describe the reason(s) the listing is inappropriate and clearly state the reason the interested party would come to a different outcome, and
 - b. Provide the data and information necessary to enable the Regional Water Board to conduct a complete reassessment.
6. Information (see 10. and 12. below) submitted should include the following
 - a. The name of the person or organization providing the information;
 - b. The name of the person certifying the completeness and accuracy of the data and information and a statement describing the standard's exceedances;
 - c. Mailing address, telephone numbers, and email address of a contact responsible for answering questions about the information submitted;
 - d. Identification of any specific software used to format the information and definitions for any codes or abbreviations used, if applicable;
 - e. Bibliographic citations for all published information provided;

- f. If computer model outputs are included in the information, provide bibliographic citations and specify any calibration and quality assurance information available for the model(s) used; and
- g. The name and exact area of the water body the information concerns, including:
 - i. Geographical Information System (GIS) data files (ArcGIS mxd or ArcView shapefiles); or
 - ii. Very clear hard copy maps indicating the area the information concerns; (e.g., mark sample location on a USGS 7.5 minute topographic quad map along with the quad sheet name); or
 - iii. Provide location latitude/longitude; and
 - iv. Metadata for any GIS data must be included. The metadata must detail all the parameters of the projection, including datum.

7. Data (see 11. and 12. below) submitted should contain the following:

- a. To the extent feasible, all data submitted must be submitted in electronic form, i.e., in spreadsheet, database, or ASCII formats;
- b. A hard-copy of all data submitted should also be provided;
- c. References to Web sites will not be accepted *in lieu* of the actual data;
- d. Metadata for the field and lab data, i.e., when measurements were taken (date and time), locations (unique site code, latitude and longitude, and water body name), number of samples, analytes, units of measurement, methods, detection limits, and other relevant factors;
- e. The name and exact area of the water body the information concerns, including:
 - i. GIS data files (ArcGIS mxd or ArcView shapefiles); or
 - ii. Very clear hard copy maps indicating the area the information concerns; (e.g., mark sample locations on a USGS 7.5 minute topographic quad map along with the quad sheet name); or
 - iii. Provide location latitude/longitude; and
 - iv. Metadata for any GIS data must be included. The metadata must detail all the parameters of the projection, including datum.
- f. A copy of the quality assurance procedures including a Quality Assurance Project Plan (QAPP). A QAPP or equivalent document must be available and contain, at a minimum, the following:
 - i. Objectives of the study, project, or monitoring program;
 - ii. Methods used for sample collection and handling;
 - iii. Field and laboratory measurement and analysis;
 - iv. Data management, validation, and recordkeeping (including proper chain of custody) procedures;
 - v. Quality assurance and quality control requirements;
 - vi. A statement certifying the adequacy of the QAPP (plus name of person certifying the document); and
 - vii. A description of personnel training.
- g. A site-specific or project-specific sampling and analysis plan for numeric data should also be available containing the following:

Data quality objectives or requirements of the project;
A statement that data quality objectives or requirements were achieved;

- iii. Rationale for the selection of sampling sites, water quality parameters, sampling frequency and methods that assure the samples are spatially and temporally representative of the surface water and representative of conditions within the targeted sampling timeframe; and
 - iv. Documentation to support the conclusion that results are reproducible.
- h. Data from citizen volunteer water quality monitoring efforts require the name of the group and indication of any training in water quality assessment completed by members of the group. Data submitted by citizen monitoring groups should meet the data quality assurance procedures as detailed in the Listing Policy - section 6.1.4 and as shown above (7.g.).
8. For narrative and qualitative submittals, the submission must:
- a. Describe events or conditions that indicate impacts on water quality;
 - b. Provide linkage between the measurement endpoint (e.g., a study that may have been performed for some other purpose) and the water quality standard of interest;
 - c. Be scientifically defensible;
 - d. Provide analyst's credentials and training;
 - e. Be verifiable by the State Water Board or Regional Water Board; and
 - f. Identify the name and exact area of the water body the narrative or qualitative information concerns, including:
 - i. GIS data files (ArcGIS mxd or ArcView shapefiles); or
 - ii. Very clear hard copy maps indicating the area the information concerns; (e.g., mark sampling locations on a USGS 7.5 minute topographic quad map along with the quad sheet name); or
 - iii. Provide location latitude/longitude; and
 - iv. Metadata for any GIS data must be included. The metadata must detail all the parameters of the projection, including datum.
9. For photographic documentation, the submission must:
- a. Identify the date and time;
 - b. Identify the name and exact area of the water body the narrative or qualitative information concerns, including:
 - i. GIS data files (ArcGIS mxd or ArcView shapefiles); or
 - ii. Very clear hard copy maps indicating the area the information concerns; (e.g., mark photographic locations on a USGS 7.5 minute topographic quad map along with the quad sheet name); or
 - iii. Provide location latitude/longitude; and
 - iv. Metadata for any GIS data must be included. The metadata must detail all the parameters of the projection, including datum.
 - c. Provide a thorough description of photograph(s);
 - d. Describe the spatial and temporal representation of the photographs;
 - e. Provide linkage between photograph-represented condition and condition that indicates impacts on water quality;
 - f. Provide photographer's rationale for area photographed and camera settings used; and
 - g. Be verifiable by the State Water Board or Regional Water Board.
10. For purposes of this solicitation, "information" includes any documentation that a water body is or is not meeting, or is or is not likely to meet, existing water quality standards (i.e., beneficial uses of water, water quality objectives/criteria, and the State's non-degradation policy as listed

in the State's Water Quality Control Plans [Basin Plans], statewide water quality control plans [e.g., the California Ocean Plan], the California Code of Regulations, and pertinent federal laws and regulations).

11. "Data" are considered to be numeric information (i.e., measurements of specific physical, chemical, or biological characteristics in aquatic environments).
12. Data and information provided may pertain to individual water body segments, entire water bodies, or whole watersheds.
13. The section 303(d) List and the section 305(b) Report update efforts are not designed, intended, or able to change existing water quality standards. Persons interested in recommending changes to existing water quality standards should contact the respective Regional Water Board.
14. Please send all data and information to the respective Regional Water Board office. **Submittals should be addressed to the attention of the Regional Water Board contact listed in Enclosure 1.**



Linda S. Adams
Secretary for
Environmental Protection

State Water Resources Control Board

Executive Office

Tam M. Doduc, Board Chair
1001 I Street • Sacramento, California 95814 • (916) 341-5615
Mailing Address: P.O. Box 100 • Sacramento, California • 95812-0100
Fax (916) 341-5621 • <http://www.waterboards.ca.gov>



Arnold Schwarzenegger
Governor

January 30, 2007

To: Interested Persons

CLARIFICATION OF NOTICE OF PUBLIC SOLICITATION OF WATER QUALITY DATA AND INFORMATION FOR 2008 INTEGRATED REPORT – LIST OF IMPAIRED WATERS AND SURFACE WATER QUALITY ASSESSMENT [303(d)/305(b)]

The intent of this letter is to clarify the Notice dated December 4, 2006 regarding the 2008 integrated report described above. There are no limits on the data and information that the public can provide to the Regional Water Quality Control Boards (Regional Water Boards) for their assessment as part of the development of the 2008 integrated report. Federal regulation [(40 CFR § 130.7(b)(5))] states that "Each State shall assemble and evaluate all existing and readily available water quality-related data and information to develop the list required by §§ 130.7(b)(1) and 130.7(b)(2)." The Regional Water Boards will accept any and all data and information.

As stated in the Notice dated December 4, 2006, all data previously submitted to the State Water Resources Control Board (State Water Board) for consideration during the 2006 listing cycle need not be re-submitted, as the State Water Board will make the data available to the Regional Water Boards for consideration for the 2008 integrated report. However, even though it is not necessary, the public may also re-submit such data.

Furthermore, Enclosure 3 of the Notice dated December 4, 2006 contained suggestions and staff preferences for format of data submittals. It was not then, and is not now, the intent of the State Water Board to limit submittals to these format suggestions. The Regional Water Boards will also accept Web addresses that link to actual data. As stated above and in the Notice dated December 4, 2006, all data will be considered.

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Interested Persons

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Should you have questions regarding this clarification, please contact the respective Regional Water Board contact (see Enclosure). You may also contact Craig J. Wilson at the State Water Board at 916-341-5560 (cjwilson@waterboards.ca.gov).

Sincerely,



Thomas Howard
Acting Executive Director

Enclosure

cc: Ms. Alexis Strauss, Director
Water Division (WTR-1)
U.S. Environmental Protection Agency,
Region 9
75 Hawthorne Street
San Francisco, CA 94105

All Regional Water Quality Control Boards

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Regional Water Boards
Section 303(d) List and Section 305(b) Report Contacts

Regional Water Board	Regional Water Board Address	Contact Name Phone Number e-mail address
(1) North Coast	5550 Skylane Blvd., Suite A Santa Rosa, CA 95403	Bruce Gwynne 707-576-2661 bgwynne@waterboards.ca.gov
(2) San Francisco Bay	1515 Clay St., Suite 1400 Oakland, CA 94612	Naomi Feger 510-622-2328 nfeger@waterboards.ca.gov
(3) Central Coast	895 Aerovista Place, Suite 101 San Luis Obispo, CA 93401	Mary Adams 805-542-4768 madams@waterboards.ca.gov and Lisa McCann 805-549-3132 lmccann@waterboards.ca.gov
(4) Los Angeles	320 W. Fourth Street, Suite 200 Los Angeles, CA 90013	Deborah Neiter 213-576-6783 dneiter@waterboards.ca.gov
(5) Central Valley	11020 Sun Center Drive #200 Rancho Cordova, CA 95670-6114	Gene Davis 916-464-4687 gmdavis@waterboards.ca.gov and Joe Karkoski 916-464-4668 jkarkoski@waterboards.ca.gov
(6) Lahontan	2501 Lake Tahoe Blvd. So. Lake Tahoe, CA 96150	Judith Unsicker 530-542-5462 junsicker@waterboards.ca.gov
(7) Palm Desert	73-720 Fred Waring Drive Suite 100 Palm Desert, CA 92260	Logan Raub 760-776-8966 lraub@waterboards.ca.gov
(8) Santa Ana	3737 Main Street, Suite 500 Riverside, CA 92501-3348	Pavlova Vitale 951-782-4920 pvitale@waterboards.ca.gov
(9) San Diego	9174 Sky Park Ct., Suite 100 San Diego, CA 92123-4340	Lesley Dobalian 858-637-7139 ldobalian@waterboards.ca.gov and Julie Chan 858-627-3926 jchan@waterboards.ca.gov

APPENDIX B

CATEGORY 2

2008 CALIFORNIA WATERS SUPPORTING SOME CALIFORNIA BENEFICIAL USES

Core Beneficial Uses	Applicable California Beneficial Uses
Aquatic Life Support	Cold Freshwater Habitat, Estuarine Habitat, Fish Migration, Fish Spawning, Freshwater Replenishment, Inland Saline Water Habitat, Limited Warmwater, Marine Habitat, Preservation of Areas of Special Biological Significance, Preservation of Rare & Endangered Species, Warm Freshwater Habitat, Wetland Habitat, Wildlife Habitat
Drinking Water Supply	Municipal & Domestic Supply
Fish Consumption	Commercial or recreational collection of fish, shellfish, or organisms, Subsistence Fishing
Secondary Contact	Non-Contact Recreation
Shellfishing	Shellfish Harvesting
Swimming	Water Contact Recreation

Category 2 Criteria: 1) A water that supports some, but not all, of its California beneficial uses; and 2) has other uses that are not assessed or lack sufficient information to be assessed.

* USGS HUC = US Geological Survey Hydrologic Unit Code. Calwater = State Water Resources Control Board hydrological subunit area or even smaller planning watershed.

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	CORE BENEFICIAL USE <i>California Beneficial Use</i> Pollutant	ESTIMATED AREA ASSESSED
4	Channel Islands Harbor	Bay & Harbor	40311000 / 18070103	Aquatic Life Support <i>Marine Habitat</i> <u>Lead (sediment)</u> <u>Zinc (sediment)</u>	209 Acres
4	Cold Creek	River & Stream	40421000 / 18070104	Aquatic Life Support <i>Cold Freshwater Habitat</i> <u>Invasive Species</u>	0.85 Miles
4	County Line Beach	Coastal & Bay Shoreline	40445000 / 18070104	Swimming <i>Water Contact Recreation</i> <u>Indicator Bacteria</u>	0.7 Miles
4	Deer Creek Beach	Coastal & Bay Shoreline	40446000 / 18070104	Swimming <i>Water Contact Recreation</i> <u>Indicator Bacteria</u>	1.2 Miles

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REGION	WATER BODY NAME	WATER TYPE	WATERSHED CALWATER/USGS HUC	CORE BENEFICIAL USE <i>California Beneficial Use</i> Pollutant	ESTIMATED AREA ASSESSED
4	Emma Woods State Beach	Coastal & Bay Shoreline	40100011 / 18070101	Swimming Water Contact Recreation <u>Indicator Bacteria</u>	1.6 Miles
4	Faria County Park Beach	Coastal & Bay Shoreline	40100011 / 18070101	Swimming Water Contact Recreation <u>Indicator Bacteria</u>	0.68 Miles
4	Hobson County Park	Coastal & Bay Shoreline	40100010 / 18070101	Swimming Water Contact Recreation <u>Indicator Bacteria</u>	0.1 Miles
4	Hollywood Beach	Coastal & Bay Shoreline	40311000 / 18070103	Swimming Water Contact Recreation <u>Indicator Bacteria</u>	1.4 Miles
4	La Conchita Beach	Coastal & Bay Shoreline	40100010 / 18070101	Swimming Water Contact Recreation <u>Indicator Bacteria</u>	1.3 Miles
4	Mandos Cove Beach	Coastal & Bay Shoreline	40100011 / 18070101	Swimming Water Contact Recreation <u>Indicator Bacteria</u>	0.69 Miles
4	Marina Park Beach	Coastal & Bay Shoreline	40311000 / 18070103	Swimming Water Contact Recreation <u>Indicator Bacteria</u>	0.33 Miles

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REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER/ USGS HUC	CORE BENEFICIAL USE <i>California Beneficial Use</i> Pollutant	ESTIMATED AREA ASSESSED
4	Matilija Creek, North Fork	River & Stream	40220014 / 18070101	Swimming Water Contact Recreation <u>Indicator Bacteria</u> Drinking Water Supply Municipal & Domestic Supply <u>Total Dissolved Solids</u>	7.7 Miles
4	Mussel Shoals Beach	Coastal & Bay Shoreline	40100010 / 18070101	Swimming Water Contact Recreation <u>Indicator Bacteria</u>	0.39 Miles
4	Oil Piers Beach	Coastal & Bay Shoreline	40100010 / 18070101	Swimming Water Contact Recreation <u>Indicator Bacteria</u>	1.2 Miles
4	Oxnard Beach	Coastal & Bay Shoreline	40311000 / 18070103	Swimming Water Contact Recreation <u>Indicator Bacteria</u>	1 Miles
4	Oxnard Beach Park	Coastal & Bay Shoreline	40311000 / 18070103	Swimming Water Contact Recreation <u>Indicator Bacteria</u>	0.65 Miles
4	Point Mugu Beach	Coastal & Bay Shoreline	40311000 / 18070104	Swimming Water Contact Recreation <u>Indicator Bacteria</u>	0.36 Miles

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REGION	WATERBODY NAME	WATER TYPE	WATERSHED* CALWATER/ USGS HUC	CORE BENEFICIAL USE <i>California Beneficial Use</i> Pollutant	ESTIMATED AREA ASSESSED
4	Port Hueneme Beach Park	Coastal & Bay Shoreline	40311000 / 18070103	Swimming <i>Water Contact Recreation</i> <u>Indicator Bacteria</u>	1.2 Miles
4	Seaside Wilderness Park Beach	Coastal & Bay Shoreline	40210011 / 18070101	Swimming <i>Water Contact Recreation</i> <u>Indicator Bacteria</u>	0.74 Miles
4	Silverstrand Beach	Coastal & Bay Shoreline	40311000 / 18070103	Swimming <i>Water Contact Recreation</i> <u>Indicator Bacteria</u>	
4	Solimar Beach	Coastal & Bay Shoreline	40100011 / 18070101	Swimming <i>Water Contact Recreation</i> <u>Indicator Bacteria</u>	1.6 Miles
4	South Jetty Beach	Coastal & Bay Shoreline	40311000 / 18070103	Swimming <i>Water Contact Recreation</i> <u>Indicator Bacteria</u>	0.24 Miles
4	Staircase Beach (Leo Carillo Beach, North of County Line)	Coastal & Bay Shoreline	40445000 / 18070104	Swimming <i>Water Contact Recreation</i> <u>Indicator Bacteria</u>	0.51 Miles
4	Sycamore Cove Beach	Coastal & Bay Shoreline	40447000 / 18070104	Swimming <i>Water Contact Recreation</i> <u>Indicator Bacteria</u>	0.32 Miles

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REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	CORE BENEFICIAL USE <i>California Beneficial Use</i> <u>Pollutant</u>	ESTIMATED AREA ASSESSED
4	Thornhill Broome Beach	Coastal & Bay Shoreline	40447000 / 18070104	Swimming Water Contact Recreation <u>Indicator Bacteria</u>	1.3 Miles
4	Tuna Canyon Creek	River & Stream	40412000 / 18070104	Aquatic Life Support Warm Freshwater Habitat <u>Nitrate</u>	2.4 Miles

APPENDIX C

CATEGORY 3

2008 CALIFORNIA WATERS WITH INSUFFICIENT INFORMATION TO ASSESS BENEFICIAL USES*

Core Beneficial Uses	Applicable California Beneficial Uses
Aquatic Life Support	Cold Freshwater Habitat, Estuarine Habitat, Fish Migration, Fish Spawning, Freshwater Replenishment, Inland Saline Water Habitat, Limited Warmwater, Marine Habitat, Preservation of Areas of Special Biological Significance, Preservation of Rare & Endangered Species, Warm Freshwater Habitat, Wetland Habitat, Wildlife Habitat
Drinking Water Supply	Municipal & Domestic Supply
Fish Consumption	Commercial or Recreational Collection of Fish, Shellfish, or Organisms, Subsistence Fishing
Secondary Contact	Non-Contact Recreation
Shellfishing	Shellfish Harvesting
Swimming	Water Contact Recreation

Category 3 Criteria: A water with water quality information that could not be used for an assessment, for reasons such as: monitoring data have poor quality assurance, not enough samples in a dataset, no existing numerical objective or evaluation guideline, the information alone cannot support an assessment, etc.

* USGS HUC = US Geological Survey Hydrologic Unit Code. Calwater = State Water Resources Control Board hydrological subunit area or even smaller planning watershed.

REGION	WATER BODY NAME	WATER TYPE	WATERSHED CALWATER/ USGS HUC	CORE BENEFICIAL USE <i>California Beneficial Use</i> Pollutant	ESTIMATED AREA ASSESSED
4	Ashland Avenue Drain	River & Stream	40513000 / 18070104	Swimming Water Contact Recreation Coliform Bacteria Aquatic Life Support Warm Freshwater Habitat Organic Enrichment/Low Dissolved Oxygen Toxicity	2.3 Miles
4	Carbon Canyon Creek	River & Stream	40515010 / 18070104	Drinking Water Supply Municipal & Domestic Supply Chloride Sulfates	8.8 Miles
4	Corral Canyon Creek	River & Stream	40431000 / 18070104	Drinking Water Supply Municipal & Domestic Supply Sulfates	4.1 Miles

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REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER/ USGS HUC	CORE BENEFICIAL USE <i>California Beneficial Use</i> Pollutant	ESTIMATED AREA ASSESSED
4	Encinal Canyon Creek	River & Stream	40441000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	2.7 Miles
4	Escondido Canyon Creek	River & Stream	40434000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	4.6 Miles
4	Lachusa Canyon Creek	River & Stream	40442000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	2.9 Miles
4	Las Flores Canyon Creek	River & Stream	40415000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	3.6 Miles
4	Latigo Canyon Creek	River & Stream	40433000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	2.9 Miles
4	Los Alisos Canyon Creek	River & Stream	40442000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	2.9 Miles
4	Malaga Canyon Creek	River & Stream	40512000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Chloride</u> <u>Sulfates</u>	2.6 Miles

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REGION	WATER BODY NAME	WATER TYPE	WATERSHED CAL WATER / USGS HUC	CORE BENEFICIAL USE <i>California Beneficial Use</i> Pollutant	ESTIMATED AREA ASSESSED
4	Mandeville Canyon Creek	River & Stream	40513000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	1.5 Miles
4	Marie Canyon Creek	River & Stream	40431000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	1.8 Miles
4	Pena Canyon Creek	River & Stream	40413000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	1.6 Miles
4	Puerco Canyon Creek	River & Stream	40431000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	2.4 Miles
4	Ramirez Canyon Creek	River & Stream	40435000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	4.2 Miles
4	Rocky Point Beach	Coastal & Bay Shoreline	40511000 / 18070104	Swimming <i>Water Contact Recreation</i> <u>Beach Closures</u>	0.49 Miles
4	Rustic Canyon Creek	River & Stream	40513000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	7.6 Miles

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REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CAL WATER / USGS HUC	CORE BENEFICIAL USE <i>California Beneficial Use</i> Pollutant	ESTIMATED AREA ASSESSED
4	San Nicolas Canyon Creek	River & Stream	40443000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	2.4 Miles
4	10 (Sespe Creek, from	Stream	18070102	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	9 Miles
4	Santa Ynez Canyon	River & Stream	40513000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	5 Miles
4	Sullivan Canyon Creek	River & Stream	40513000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Sulfates</u>	5.3 Miles
4	Sweetwater Canyon Creek	River & Stream	40421000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Chloride</u> <u>Sulfates</u>	1.6 Miles
4	Trancas Canyon Creek	River & Stream	40437000 / 18070104	Drinking Water Supply <i>Municipal & Domestic Supply</i> <u>Chloride</u> <u>Sulfates</u>	6.4 Miles

CATEGORY 4A

**2008 CALIFORNIA LIST OF WATER QUALITY LIMITED SEGMENTS
BEING ADDRESSED BY USEPA APPROVED TMDLS**

Category 4A Criteria: 1) A water segment where ALL its 303(d) listings are being addressed; and 2) at least one of those listings is being addressed by a USEPA approved TMDL.

* USGS HUC = US Geological Survey Hydrologic Unit Code. Calwater = State Water Resources Control Board hydrological subunit area or even smaller planning watershed.

** "Addressed By" is defined as: B = Being addressed by USEPA approved TMDL and C = Being addressed by action(s) other than a TMDL

REGION	WATER BODY NAME	WATER TYPE	WATERSHED / USGS HUC	POLLUTANT / Relevant Notes	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	ADDR ESSED BY	USEPA TMDL APPROVAL DATE
4	Brown Barranca/Lon g Canyon	River & Stream	40321000 / 18070103	<u>Nitrate and Nitrite</u>	2.6 Miles	1998	B	2004
4	Calleguas Creek Reach 1 (was Mugu Lagoon on 1998 303(d) list)	Estuary	40311000 / 18070103	<u>Chlordane (tissue)</u>	344 Acres	1992	B	2005
				<u>Copper</u>	344 Acres	1996	B	2007
				<u>DDT (tissue & sediment)</u>	344 Acres	1992	B	2005
				<u>Dieldrin</u>	344 Acres	2006	B	2006
				<u>Endosulfan (tissue)</u>	344 Acres	2006	B	2006
				<u>Mercury</u>	344 Acres	1996	B	2007
				<u>Nickel</u>	344 Acres	1996	B	2007
				<u>Nitrogen</u>	344 Acres	1996	B	2003
				<u>PCBs (Polychlorinated biphenyls) (tissue)</u>	344 Acres	1996	B	2005
				<u>Sediment Toxicity</u>	344 Acres	1996	B	2005

APPENDIX D

Revised on July 07, 2009

REGION	WATER BODY NAME	WATER TYPE	WATERSHED / CALWATER / USGS HUC	POLLUTANT / Relevant Notes	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	ADDR BY**	USEPA TMDL APPROVAL DATE
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Sedimentation/Siltation

344 Acres

1992

B

1900

Toxaphene

344 Acres

2006

B

2006

Zinc

344 Acres

1996

B

2007

4 Calleguas
Creek Reach
12 (was
Conejo
Creek/Arroyo
Conejo North
Fork on 1998
303d list) River &
Stream 40364000 /
18070103

Ammonia

5.5 Miles

1996

B

2003

Chlordane (tissue)

5.5 Miles

1996

B

2005

DDT (tissue)

5.5 Miles

1996

B

2005

Dieldrin

5.5 Miles

2006

B

2006

PCBs
(Polychlorinated
biphenyls)

5.5 Miles

1996

B

2006

Sulfates

5.5 Miles

2002

B

2008

Total DissolvedSolids

5.5 Miles

2002

B

2008

Toxaphene

5.5 Miles

1988

B

2006

APPENDIX D

REGION	WATER BODY	WATERSHED		POLLUTANT	ESTIMATED AREA	FIRST YEAR ASSESSED	ADDR LISTED BY	USEPA TMDL APPROVAL DATE
	NAME	TYPE	CALWATER /USGSHUC	Relevant Notes	ASSESSED	LISTED	BY	DATE
4	Calleguas Creek Reach 13 (Conejo Creek South Fork, was Conejo Cr Reach 4 and part of Reach 3 on 1998 303d list)	River & Stream	40368000 / 18070104	<u>Ammonia</u>	17 Miles	1996	B	2003
				<u>ChemA (tissue)</u>	17 Miles	1996	B	2006
				<u>Chlordane</u>	17 Miles	1996	B	2006
				<u>Chloride</u>	17 Miles	2002	B	2008
				<u>DDT (tissue)</u>	17 Miles	1996	B	2005
				<u>Dieldrin</u>	17 Miles	2006	B	2006
				<u>Endosulfan (tissue)</u>	17 Miles	2006	B	2006
				<u>PCBs (Polychlorinated biphenyls)</u>	17 Miles	1996	B	2006
				<u>Sulfates</u>	17 Miles	2002	B	2008
				<u>Total Dissolved Solids</u>	17 Miles	2002	B	2008
				<u>Toxaphene (tissue)</u>	17 Miles	1988	B	2005
				<u>Toxicity</u>	17 Miles	1996	B	2005
4	Channel Islands Harbor Beach	Coastal & Bay Shoreline	40311000 / 18070103	<u>Indicator Bacteria</u>	0.03 Miles	2002	B	2008

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Revised on July 07, 2009

REGION	WATER BODY NAME	WATER TYPE	WATERSHED CALWATER /USGS HUC	POLLUTANT <i>Relevant Notes</i>	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	ADDR BY**	USEPA TMDL APPROVAL DATE
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4	Dan Blocker Memorial (Coral) Beach	Coastal & Bay Shoreline	40431000 / 18070104	<u>Coliform Bacteria</u>	2.1 Miles	1998	B	2002
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(This listing includes the area of the beach at Latigo Beach and Solstice Canyon.)

4	Dockweiler Beach	Coastal & Bay Shoreline	40512000 / 18070104	<u>Indicator Bacteria</u>	4.6 Miles	1998	B	2003
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4	Duck Pond Agricultural Drains/Mugu Drain/Oxnard Drain No 2	River & Stream	40311000 / 18070103	<u>ChemA (tissue)</u>	12 Miles	1996	B	2005
				<u>Chlordane (tissue)</u>	12 Miles	1996	B	2005
				<u>DDT (tissue & sediment)</u>	12 Miles	1996	B	2005
				<u>Nitrogen</u>	12 Miles	1996	B	2003
				<u>Sediment Toxicity</u>	12 Miles	1996	B	2005
				<u>Toxaphene (tissue)</u>	12 Miles	1996	B	2005
				<u>Toxicity</u>	12 Miles	1996	B	2005

4	Fox Barranca (tributary to Calleguas Creek Reach 6)	River & Stream	40362000 / 18070103	<u>Boron</u>	6.7 Miles	1998	B	2008
				<u>Nitrate and Nitrite</u>	6.7 Miles	1998	B	2003

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REGION	WATER BODY NAME	WATER TYPE	WATERSHED CALWATER /USGS HUC	POLLUTANT <i>Relevant Notes</i>	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	ADDR ESSED BY	USEPA TMDL APPROVAL DATE
				<u>Sulfates</u>	6.7 Miles	1998	B	2008
				<u>Total Dissolved</u>	6.7 Miles	1998	B	2008
4	Hermosa Beach	Coastal & Bay Shoreline	40512000 / 18070104	<u>Indicator Bacteria</u>	2 Miles	1998	B	2003
4	Hobie Beach (Channel Islands Harbor)	Coastal & Bay Shoreline	40311000 / 18070103	<u>Indicator Bacteria</u>	0.1 Miles	2002	B	2008
4	Leo Carillo Beach (South of County Line)	Coastal & Bay Shoreline	40444000 / 18070104	<u>Coliform Bacteria</u>	1.8 Miles	1998	B	2003
4	Los Angeles River Reach 3 (Figueroa St. to Riverside Dr.)	River & Stream	40521000 / 18070104	<u>Ammonia</u>	7.9 Miles	1996	B	2004
				<u>Copper</u>	7.9 Miles	2006	B	2005
				<u>Lead</u>	7.9 Miles	2006	B	2005
				<u>Nutrients (Algae)</u>	7.9 Miles	1996	B	2004
				<u>Trash</u>	7.9 Miles	1996	B	2008

APPENDIX D

REGION	WATER BODY NAME	WATERSHED WATER TYPE	CALWATER / USGS HUC	POLLUTANT <i>Relevant Notes</i>	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	ADDR ESSED BY	USEPA TMDL APPROVAL DATE
4	Lunada Bay Beach	Coastal & Bay Shoreline	40511000 / 18070104	<u>Indicator Bacteria</u>	0.63 Miles	1998	B	2002
4	Malibou Lake	Lake &	40424000 /	<u>Algae</u>	40 Acres	1996	B	2003
				<u>Eutrophic</u>	40 Acres	1996	B	2003
				<u>Organic Enrichment/Low Dissolved Oxygen</u>	40 Acres	1998	B	2003
4	Manhattan Beach	Coastal & Bay Shoreline	40512000 / 18070104	<u>Indicator Bacteria</u>	2 Miles	1998	B	2002
4	Marina del Rey Harbor Beach	Coastal & Bay Shoreline	40517000 / 18070104	<u>Indicator Bacteria</u>	0.29 Miles	1998	B	2004
4	McGrath Beach	Coastal & Bay Shoreline	40311000 / 18070103	<u>Coliform Bacteria</u>	1.7 Miles	1996	B	2003
4	Mint Canyon Creek Reach 1 (Confl to Rowler Cyn)	River & Stream	40351000 / 18070102	<u>Nitrate and Nitrite</u>	8.1 Miles	1998	B	2004
4	Monrovia Canyon Creek	River & Stream	40531000 / 18070105	<u>Lead</u>	3.4 Miles	1996	B	2005

APPENDIX D

Revised on July 07, 2009

REGION	WATER BODY NAME	WATER TYPE	WATERSHED / CALWATER / USGS HUC	POLLUTANT / Relevant Notes	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	ADDR ESSED BY	TMDL APPROVAL DATE
4	Palo Comado Creek	River & Stream	40423000 / 18070104	<u>Coliform Bacteria</u>	6.8 Miles	1996	B	2005
4	Point Vicente Beach	Coastal & Bay Shoreline	40511000 / 18070104	<u>Indicator Bacteria</u>	0.63 Miles	1994	B	2002
4	Resort Point Beach	Coastal & Bay Shoreline	40511000 / 18070104	<u>Indicator Bacteria</u>	0.15 Miles	1998	B	2002
4	San Gabriel River, East Fork	River & Stream	40543000 / 18070106	<u>Trash</u>	5.9 Miles	1996	B	1999
4	Santa Monica Beach	Coastal & Bay Shoreline	40513000 / 18070104	<u>Indicator Bacteria</u>	3 Miles	1998	B	2002
4	Stokes Creek	River & Stream	40422020 / 18070104	<u>Coliform Bacteria</u>	4.7 Miles	1996	B	2005
4	Torrance Beach	Coastal & Bay Shoreline	40512000 / 18070104	<u>Coliform Bacteria</u>	1.1 Miles	1998	B	2002

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REGION	WATER	WATER TYPE	WATERSHED	POLLUTANT	ESTIMATED AREA	FIRST YEAR LISTED	ADDR ESSED BY	USEPA TMDL APPROVAL DATE
	BODY NAME		CALWATER /USGS HUC					
4	Torrey Canyon Creek	River & Stream	40341000 / 18070103	<u>Nitrate and Nitrite</u>	1.7 Miles	1998	B	2004
4	Venice Beach	Coastal & Bay Shoreline	40513000 / 18070104	<u>Indicator Bacteria</u>	2.5 Miles	2006	B	2002
4	Will Rogers Beach	Coastal & Bay Shoreline	40513000 / 18070104	<u>Indicator Bacteria</u>	3 Miles	2006	B	2002

CATEGORY 4B

**2008 CALIFORNIA LIST OF WATER QUALITY LIMITED SEGMENTS
BEING ADDRESSED BY ACTIONS OTHER THAN TMDLS**

Category 4B Criteria: A water segment where ALL its 303(d) listings are being addressed by regulatory action(s) other than TMDL.

* USGS HUC = US Geological Survey Hydrologic Unit Code. Calwater = State Water Resources Control Board hydrological subunit area or even smaller planning watershed.

** "Addressed By" is defined as: B = Being addressed by USEPA approved TMDL and C = Being addressed by action(s) other than a TMDL

REGION	WATER	WATER	WATERSHED		ESTIMATED AREA	FIRST YEAR	REGULATORY PROGRAM COMPLETION DATE
	BODY NAME		CALWATER	POLLUTANT			
		TYPE	/USGS HUC	Relevant Notes	ASSESSED	LISTED	

	Port Hueneme						
4	Harbor (Back Basins)	Bay & Harbor	40311000 / 18070103	DDT (tissue)	65 Acres	1994	2019

				PCBs (Polychlorinated biphenyls) (tissue)	65 Acres	1992	2019
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CATEGORY 5

2008 CALIFORNIA 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS*

Category 5 criteria: 1) A water segment where standards are not met and a TMDL is required, but not yet completed, for at least one of the pollutants being listed for this segment.

* USGS HUC = US Geological Survey Hydrologic Unit Code. Calwater = State Water Resources Control Board hydrological subunit area or even smaller planning watershed.

** TMDL requirement status definitions for listed pollutants are: A= TMDL still required, B= being addressed by USEPA approved TMDL, C= being addressed by action other than a TMDL

*** Dates relate to the TMDL requirement status, so a date for A= TMDL scheduled completion date, B= Date USEPA approved TMDL, and C= Completion date for action other than a TMDL

REGION	WATER BODY NAME	WATER TYPE	WATERSHED * CALWATER / USGS HUC	POLLUTANT <i>Relevant Notes</i>	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS**	DATE ***
4	Coastal & Abalone Cove Beach	Bay Shoreline	40511000 / 18070104	DDT (sediment)	1.1 Miles	1998	A	2019
				Indicator Bacteria	1.1 Miles	2006	B	2003
				PCBs (Polychlorinated biphenyls)	1.1 Miles	1998	A	2019
				Fish Consumption Advisory for PCBs.				
4	Alamitos Bay	Bay & Harbor	40512000 / 18070104	Indicator Bacteria	328 Acres	2006	A	2019
				The listing includes the areas 1st St. and Bayshore and 2nd St. Bridge and Bayshore.				
4	Aliso Canyon Wash	River & Stream	40521000 / 18070105	Copper	10 Miles	1996	A	2019
				Fecal Coliform	10 Miles	2006	A	2019
				Selenium	10 Miles	1996	B	2005

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REGION	WATER BODY NAME	WATER TYPE	WATERSHED CALWATER /USGS HUC	POLLUTANT <i>Relevant Notes</i>	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS	DATE
4	Amarillo Beach	Coastal & Bay Shoreline	40431000 / 18070104	<u>DDT</u> (Dichlorodiphenyl trichloroethane)	0.64 Miles	1998	A	2019
<i>Fish Consumption Advisory for DDT.</i>								
				<u>PCBs</u> (Polychlorinated biphenyls)	0.64 Miles	1998	A	2019
<i>Fish Consumption Advisory for PCBs.</i>								
4	Arroyo Seco Reach 1 (LA River to West Holly Ave.)	River & Stream	40515010 / 18070104	<u>Benthic-Macroinvertebrate Bioassessments</u>	5.2 Miles	2008	A	2021
				<u>Coliform Bacteria</u>	5.2 Miles	2002	A	2009
				<u>Trash</u>	5.2 Miles	2002	B	2008
4	Arroyo Seco Reach 2 (Figueroa St. to Riverside Dr.)	River & Stream	40515010 / 18070104	<u>Coliform Bacteria</u>	4.4 Miles	2002	A	2009
				<u>Trash</u>	4.4 Miles	1996	B	2008
4	Artesia-Norwalk Drain	River & Stream	40515010 / 18070104	<u>Indicator Bacteria</u>	2.5 Miles	2008	A	2021
				<u>Selenium</u>	2.5 Miles	2008	A	2021

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		Coastal & Bay	40511000 /					
4	Avalon Beach	Shoreline	18070107	<u>Indicator Bacteria</u>	0.67 Miles	2002	A	2019

Area affected is between Pier and BB restaurant (2/3), between Pier and BB restaurant (1/3), between storm drain and Pier (1/3), and between BB restaurant and the Tuna Club.

		River & Stream	40513000 /	<u>Cadmium</u>				
4	Ballona Creek	Stream	18070104	<u>(sediment)</u>	6.5 Miles	1996	A	2005

A USEPA-approved TMDL has made a finding of non-impairment for this pollutant.

				<u>Coliform Bacteria</u>	6.5 Miles	2002	B	2007
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				<u>Copper, Dissolved</u>	6.5 Miles	2006	B	2005
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				<u>Cyanide</u>	6.5 Miles	1996	A	2019
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				<u>Lead</u>	6.5 Miles	2002	B	2005
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				<u>Selenium</u>	6.5 Miles	2006	B	2005
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				<u>Shellfish Harvesting Advisory</u>	6.5 Miles	2006	B	2006
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				<u>Toxicity</u>	6.5 Miles	1996	B	2005
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				<u>Trash</u>	6.5 Miles	1996	B	2001
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				<u>Viruses (enteric)</u>	6.5 Miles	1996	B	2007
--	--	--	--	--------------------------	-----------	------	---	------

				<u>Zinc</u>	6.5 Miles	1996	B	2005
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	Ballona Creek Estuary	River & Stream	40513000 /					
4			18070104	<u>Cadmium</u>	2.3 Miles	1992	B	2005

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REGION	WATER BODY NAME	WATER TYPE	WATERSHED # CALWATER /USGS HUC	POLLUTANT Relevant Notes	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS	DATE ***
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Chlordane (tissue
& sediment) 2.3 Miles 1998 B 2005

Coliform Bacteria 2.3 Miles 1998 B 2007

Copper 2.3 Miles 1992 B 2005

DDT (tissue &
sediment) 2.3 Miles 2006 B 2005

Lead (sediment) 2.3 Miles 1992 B 2005

PAHs (Polycyclic
Aromatic
Hydrocarbons)
(sediment) 2.3 Miles 1998 B 2005

PCBs
(Polychlorinated
biphenyls) (tissue
& sediment) 2.3 Miles 1998 B 2005

Sediment Toxicity 2.3 Miles 1998 B 2005

Shellfish
Harvesting
Advisory 2.3 Miles 1998 A 2006

Silver 2.3 Miles 1992 B 2005

Zinc (sediment) 2.3 Miles 1992 B 2005

4	Ballona Creek Wetlands	Wetland, Tidal	40517000 / 18070104	<u>Exotic Vegetation</u>	289 Acres	1996	A	2019
				<u>Habitat alterations</u>	289 Acres	1996	A	2019
				<u>Hydromodificatio n</u>	289 Acres	1996	A	2019

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REGION	WATER BODY NAME	WATER TYPE	WATERSHED CALWATER /USGS HUC	POLLUTANT <i>Relevant Notes</i>	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS**	DATE ***
				<u>Reduced Tidal Flushing</u>	289 Acres	1996	A	2019
				<u>Trash</u>	289 Acres	1996	B	2019
4	Bell Creek	River & Stream	40521000 / 18070104	<u>Coliform Bacteria</u>	8.9 Miles	1996	A	2009
4	Big Rock Beach	Coastal & Bay Shoreline	40431000 / 18070104	<u>Coliform Bacteria</u>	0.74 Miles	1998	B	2003
				<u>DDT</u> <u>(Dichlorodiphenyl trichloroethane)</u>	0.74 Miles	1998	A	2019
				<i>Fish Consumption Advisory for DDT.</i>				
				<u>PCBs</u> <u>(Polychlorinated biphenyls)</u>	0.74 Miles	1998	A	2019
				<i>Fish Consumption Advisory for PCBs.</i>				
4	Bluff Cove Beach	Coastal & Bay Shoreline	40511000 / 18070104	<u>DDT</u> <u>(Dichlorodiphenyl trichloroethane)</u>	0.55 Miles	1998	A	2019
				<i>Fish Consumption Advisory for DDT.</i>				
				<u>Indicator Bacteria</u>	0.55 Miles	1998	B	2003
				<u>PCBs</u> <u>(Polychlorinated biphenyls)</u>	0.55 Miles	1998	A	2019
				<i>Fish Consumption Advisory for PCBs.</i>				

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4	Bull Creek	River & Stream	40521000 / 18070105	<u>Indicator Bacteria</u>	2.3 Miles	2008	A	2021
4	Burbank Western Channel	River & Stream	40521000 / 18070105	<u>Copper</u>	13 Miles	2006	B	2005
				<u>Cyanide</u>	13 Miles	2006	A	2019
				<u>Indicator Bacteria</u>	13 Miles	2008	A	2021
				<u>Lead</u>	13 Miles	2006	B	2005
				<u>Selenium</u>	13 Miles	2008	A	2021
				<u>Trash</u>	13 Miles	1996	B	2008
4	Cabrillo Beach (Outer)	Coastal & Bay Shoreline	40512000 / 18070104	<u>DDT</u> <u>(Dichlorodiphenyl trichloroethane)</u>	0.58 Miles	1998	A	2019
				<i>Fish Consumption Advisory for DDT.</i>				
				<u>Indicator Bacteria</u>	0.58 Miles	1998	B	2003
				<u>PCBs</u> <u>(Polychlorinated biphenyls)</u>	0.58 Miles	1998	A	2019
				<i>Fish Consumption Advisory for PCBs.</i>				

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4	Calleguas Creek Reach 2 (estuary to Potrero Rd-was Calleguas Creek Reaches 1 and 2 on 1998 303d list)	River & Stream	40312000 / 18070103	<u>Ammonia</u>	4.3 Miles	1996	B	2003
				<u>ChemA (tissue)</u>	4.3 Miles	1996	B	2006
				<i>Historical use of pesticides and lubricants.</i>				
				<u>Chlordane (tissue)</u>	4.3 Miles	1996	B	2005
				<u>Copper, Dissolved</u>	4.3 Miles	2002	B	2007
				<u>DDT</u> <u>(Dichlorodiphenyl trichloroethane)</u>	4.3 Miles	1996	B	2005
				<u>DDT (tissue & sediment)</u>	4.3 Miles	1996	B	2005
				<u>Dieldrin</u>	4.3 Miles	2006	B	2006
				<u>Endosulfan (tissue)</u>	4.3 Miles	2006	B	2006
				<u>Fecal Coliform</u>	4.3 Miles	2002	A	2006
				<i>Area affected is at the mouth of the creek.</i>				
				<u>Nitrogen</u>	4.3 Miles	2002	B	2003
				<u>PCBs</u> <u>(Polychlorinated biphenyls) (tissue)</u>	4.3 Miles	1996	B	2005
				<u>Sediment Toxicity</u>	4.3 Miles	1996	B	2005

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REGION	WATER BODY NAME	WATER TYPE	WATERSHED / CALWATER / USGS HUC	POLLUTANT <i>Relevant Notes</i>	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS	DATE
				<u>Sedimentation/Siltation</u>	4.3 Miles	2002	A	2005
				<u>Toxaphene (tissue & sediment)</u>	4.3 Miles	1988	B	2005
4	Calleguas Creek Reach 3 (Potrero Road upstream to confluence with Conejo Creek on 1998 303d list)	River & Stream	40312000 / 18070103	<u>Ammonia</u>	3.5 Miles	1996	B	2003
				<u>Chlordane</u>	3.5 Miles	1996	B	2006
				<u>Chloride</u>	3.5 Miles	2002	B	2008
				<u>DDT</u> <u>(Dichlorodiphenyl trichloroethane)</u>	3.5 Miles	1996	B	2019
				<u>Dieldrin</u>	3.5 Miles	2006	B	2019
				<u>Nitrate and Nitrite</u>	3.5 Miles	1996	B	2003
				<u>PCBs</u> <u>(Polychlorinated biphenyls)</u>	3.5 Miles	1996	B	2006
				<u>Sedimentation/Siltation</u>	3.5 Miles	2002	A	2005
				<u>Toxaphene</u>	3.5 Miles	1988	B	2019
				<u>Trash</u>	3.5 Miles	2008	A	2021

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4	Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue on 1998 303d list)	River & Stream	40311000 / 18070103	<u>ChemA (tissue)</u>	7.2 Miles	1996	B	2006
				<i>Historical use of pesticides and lubricants.</i>				
				<u>Chlordane (tissue & sediment)</u>	7.2 Miles	1996	B	2005
				<u>Chlorpyrifos (tissue)</u>	7.2 Miles	2006	B	2005
				<u>DDT (tissue & sediment)</u>	7.2 Miles	1996	B	2005
				<u>Diazinon</u>	7.2 Miles	2006	B	2006
				<u>Dieldrin (tissue)</u>	7.2 Miles	2006	B	2005
				<u>Endosulfan (tissue & sediment)</u>	7.2 Miles	2006	B	2006
				<u>Fecal Coliform</u>	7.2 Miles	2002	A	2006
				<u>Nitrate as Nitrate (NO3)</u>	7.2 Miles	1996	B	2003
				<u>Nitrogen</u>	7.2 Miles	2002	B	2003
				<u>PCBs (Polychlorinated biphenyls) (tissue)</u>	7.2 Miles	1996	B	2005
				<u>Sedimentation/Siltation</u>	7.2 Miles	2002	A	2005
				<u>Selenium</u>	7.2 Miles	2002	B	2007

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				<u>Toxaphene (tissue & sediment)</u>	7.2 Miles	1988	B	2005
				<u>Toxicity</u>	7.2 Miles	1996	B	2005
				<u>Trash</u>	7.2 Miles	2002	B	2008
4	Calleguas Creek Reach 5 (was Beardsley Channel on 1998 303d list)	River & Stream	40311000 / 18070103	<u>ChemA (tissue)</u>	4.3 Miles	1996	B	2006
				<u>Chlordane (tissue & sediment)</u>	4.3 Miles	1996	B	2005
				<u>Chlorpyrifos (tissue)</u>	4.3 Miles	2006	B	2005
				<u>DDT (tissue & sediment)</u>	4.3 Miles	1996	B	2005
				<u>Diazinon</u>	4.3 Miles	2006	B	2006
				<u>Dieldrin (tissue)</u>	4.3 Miles	2002	B	2005
				<u>Endosulfan (tissue & sediment)</u>	4.3 Miles	2006	B	2006
				<u>Nitrogen</u>	4.3 Miles	2002	B	2003
				<u>PCBs (Polychlorinated biphenyls) (tissue)</u>	4.3 Miles	1996	B	2005
				<u>Sedimentation/Siltation</u>	4.3 Miles	2002	A	2005

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REGION	WATER BODY NAME	WATER TYPE	WATERSHED CALWATER /USGS HUC	POLLUTANT <i>Relevant Notes</i>	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS**	DATE ***
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				<u>Toxaphene (tissue & sediment)</u>	4.3 Miles	1988	B	2005
				<u>Toxicity</u>	4.3 Miles	1996	B	2005
				<u>Trash</u>	4.3 Miles	2002	B	2008
<hr/>								
4	Calleguas Creek Reach 6 (was Arroyo Las Posas Reaches 1 and 2 on 1998 303d list)	River & Stream	40362000 / 18070103	<u>Ammonia</u>	15 Miles	1996	B	2003
				<u>Chlordane</u>	15 Miles	1996	B	2006
				<u>Chloride</u>	15 Miles	2002	B	2008
				<u>Chlorpyrifos</u>	15 Miles	2006	B	2006
				<u>DDT (sediment)</u>	15 Miles	1996	B	2005
				<u>Diazinon</u>	15 Miles	2006	B	2006
				<u>Dieldrin</u>	15 Miles	2006	B	2006
				<u>Fecal Coliform</u>	15 Miles	2002	A	2006
				<u>Nitrate and Nitrite</u>	15 Miles	1996	B	2003
				<u>Nitrate as Nitrate (NO3)</u>	15 Miles	1996	B	2003
				<u>Sedimentation/Silt ation</u>	15 Miles	2002	A	2005
				<u>Sulfates</u>	15 Miles	2002	B	2008
				<u>Total Dissolved Solids</u>	15 Miles	2002	B	2008

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REGION	WATER BODY NAME	WATER TYPE	WATERSHED CALWATER /USGS HUC	POLLUTANT <i>Relevant Notes</i>	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	FINDL REQUIREMENT STATUS	DATE
				<u>Toxicity</u>	15 Miles	1996	B	2006
4	Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on 1998 303d list)	River & Stream	40367000 / 18070103	<u>Ammonia</u>	14 Miles	1996	B	2003
				<u>Boron</u>	14 Miles	2002	B	2008
				<u>Chloride</u>	14 Miles	2002	B	2008
				<u>Chlorpyrifos</u>	14 Miles	2006	B	2006
				<u>Diazinon</u>	14 Miles	2006	B	2006
				<u>Indicator Bacteria</u>	14 Miles		A	2019
				<u>Organophosphorus Pesticides</u>	14 Miles	1996	B	2005
				<u>Sedimentation/Siltation</u>	14 Miles	2002	A	2005
				<u>Sulfates</u>	14 Miles	2002	B	2008
				<u>Total Dissolved Solids</u>	14 Miles	2002	B	2008
				<u>Toxicity</u>	14 Miles	1996	B	2006
				<u>Trash</u>	14 Miles	2008	A	2021
4	Calleguas Creek Reach 8 (was Tapo Canyon Reach 1)	River & Stream	40366000 / 18070103	<u>Boron</u>	7.2 Miles	2002	B	2008

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				<u>Chlordane</u>	7.2 Miles	1996	B	2006
				<u>Chloride</u>	7.2 Miles	2002	B	2008
				<u>Chlorpyrifos</u>	7.2 Miles	2006	B	2006
				<u>DDT</u> <u>(Dichlorodiphenyl</u> <u>trichloroethane)</u>	7.2 Miles	1996	B	2006
				<u>Diazinon</u>	7.2 Miles	2002	B	2006
				<u>Dieldrin</u>	7.2 Miles	2006	B	2006
				<u>PCBs</u> <u>(Polychlorinated</u> <u>biphenyls)</u>	7.2 Miles	1996	B	2006
				<u>Sedimentation/Silt</u> <u>ation</u>	7.2 Miles	2002	A	2005
				<u>Sulfates</u>	7.2 Miles	2002	B	2008
				<u>Total Dissolved</u> <u>Solids</u>	7.2 Miles	2002	B	2008
				<u>Toxaphene</u>	7.2 Miles	1988	B	2006

4	Calleguas Creek Reach 9A (was lower part of Conejo Creek Reach 1 on 1998 303d list)	River & Stream	40312000 / 18070103	<u>ChemA (tissue)</u>	1.7 Miles	1996	B	2006
				<u>Chlordane (tissue)</u>	1.7 Miles	1996	B	2005
				<i>Historical use of pesticides and lubricants.</i>				
				<u>Chlorpyrifos</u>	1.7 Miles	2006	B	2006

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				<u>DDT (tissue)</u>	1.7 Miles	1996	B	2005
				<u>Diazinon</u>	1.7 Miles	2006	B	2006
				<u>Dieldrin (tissue)</u>	1.7 Miles	2002	B	2005
				<i>Historical use of pesticides and lubricants.</i>				
				<u>Endosulfan (tissue)</u>	1.7 Miles	2006	B	2006
				<u>Fecal Coliform</u>	1.7 Miles	2002	A	2006
				<u>Lindane/gamma- Hexachlorocyclohexane (gamma- HCH) (tissue)</u>	1.7 Miles	2002	B	2006
				<i>Historical use of pesticides and lubricants.</i>				
				<u>Nitrate as Nitrate (NO3)</u>	1.7 Miles	1996	B	2003
				<u>Nitrogen, Nitrate</u>	1.7 Miles	1996	B	2003
				<u>PCBs (Polychlorinated biphenyls) (tissue)</u>	1.7 Miles	1996	B	2005
				<i>Historical use of pesticides and lubricants.</i>				
				<u>Sulfates</u>	1.7 Miles	2002	B	2008
				<u>Total Dissolved Solids</u>	1.7 Miles	2002	B	2008
				<u>Toxaphene (tissue & sediment)</u>	1.7 Miles	1988	B	2005
				<u>Toxicity</u>	1.7 Miles	1996	B	2006
				<u>Trash</u>	1.7 Miles	2008	A	2021

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4	Calleguas Creek Reach 9B (was part of Conejo Creek Reaches 1 and 2 on 1998 303d list)	River & Stream	40363000 / 18070103	<u>Ammonia</u>	6.2 Miles	1996	B	2003
				<u>ChemA (tissue)</u>	6.2 Miles	1996	B	2006
				<u>Chlordane</u>	6.2 Miles	1996	B	2006
				<u>Chloride</u>	6.2 Miles	2002	B	2008
				<u>Chlorpyrifos</u>	6.2 Miles	2006	B	2006
				<u>DDT (tissue)</u>	6.2 Miles	1996	B	2005
				<u>Diazinon</u>	6.2 Miles	2006	B	2006
				<u>Dieldrin</u>	6.2 Miles	2006	B	2006
				<u>Endosulfan (tissue)</u>	6.2 Miles	2006	B	2006
				<u>Indicator Bacteria</u>	6.2 Miles		A	2019
				<u>PCBs (Polychlorinated biphenyls)</u>	6.2 Miles	1996	B	2006
				<u>Sulfates</u>	6.2 Miles	2002	B	2008
				<u>Total Dissolved Solids</u>	6.2 Miles	2002	B	2008
				<u>Toxaphene (tissue & sediment)</u>	6.2 Miles	1988	B	2005
				<u>Toxicity</u>	6.2 Miles	1996	B	2006
				<u>Trash</u>	6.2 Miles	2008	A	2021

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REGION	WATER BODY NAME	WATER TYPE	WATERSHED CALWATER /USGS HUC	POLLUTANT Relevant Notes	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS**	DATE
4	Calleguas Creek Reach 10 (Conejo Creek (Hill Canyon)-was part of Conejo Crk Reaches 2 & 3, and lower Conejo Crk/Arroyo Conejo N Fk on 1998 303d list)	River & Stream	40364000 / 18070103	<u>Ammonia</u>	3 Miles	1996	B	2002
				<u>ChemA (tissue)</u>	3 Miles	1996	B	2006
				<u>Chlordane</u>	3 Miles	1996	B	2006
				<u>Chloride</u>	3 Miles	2002	B	2008
				<u>Chlorpyrifos</u>	3 Miles	2006	B	2006
				<u>DDT (tissue)</u>	3 Miles	1996	B	2005
				<u>Diazinon</u>	3 Miles	2006	B	2006
				<u>Dieldrin</u>	3 Miles	2006	B	2006
				<u>Endosulfan (tissue)</u>	3 Miles	2006	B	2006
				<u>Fecal Coliform</u>	3 Miles	2002	A	2006
				<u>Nitrogen, Nitrite</u>	3 Miles	1996	B	2003
				<u>PCBs (Polychlorinated biphenyls)</u>	3 Miles	1996	B	2006
				<u>Sulfates</u>	3 Miles	2002	B	2008
				<u>Total Dissolved Solids</u>	3 Miles	2002	B	2008

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				<u>Toxaphene (tissue & sediment)</u>	3 Miles	1988	B	2005
				<u>Toxicity</u>	3 Miles	1996	B	2005
				<u>Trash</u>	3 Miles	2008	A	2021
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4	Calleguas Creek Reach 11 (Arroyo Santa Rosa, was part of Conejo Creek Reach 3 on 1998 303d list)	River & Stream	40365000 / 18070103	<u>Ammonia</u>	8.7 Miles	1996	B	2003
				<u>ChemA (tissue)</u>	8.7 Miles	1996	B	2006
				<u>Chlordane</u>	8.7 Miles	1996	B	2006
				<u>DDT (tissue)</u>	8.7 Miles	1996	B	2005
				<u>Dieldrin</u>	8.7 Miles	2006	B	2006
				<u>Endosulfan (tissue)</u>	8.7 Miles	2006	B	2006
				<u>Fecal Coliform</u>	8.7 Miles	2002	A	2006
				<u>PCBs (Polychlorinated biphenyls)</u>	8.7 Miles	1996	B	2006
				<u>Sedimentation/Silt ation</u>	8.7 Miles	2002	A	2005
				<u>Sulfates</u>	8.7 Miles	2002	B	2008
				<u>Total Dissolved Solids</u>	8.7 Miles	2002	B	2008
				<u>Toxaphene (tissue & sediment)</u>	8.7 Miles	1988	B	2005

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Toxicity 8.7 Miles 1996 B 2005

Canada Larga
(Ventura
River Watershed) River & Stream 40210010 / 18070103 Fecal Coliform 8 Miles 2002 A 2019

Horse stables, land use, cattle, and wildlife may be sources.

Low Dissolved
Oxygen 8 Miles 2002 A 2019

Total Dissolved
Solids 8 Miles 2008 A 2021

Coastal & Bay 40416000 / 18070104 DDT
(Dichlorodiphenyl trichloroethane) 1.5 Miles 1998 A 2019

Fish Consumption Advisory for DDT.

Indicator Bacteria 1.5 Miles 1998 B 2003

PCBs
(Polychlorinated biphenyls) 1.5 Miles 1998 A 2019

Fish Consumption Advisory for PCBs.

Coastal & Bay 40513000 / 18070104 DDT
(Dichlorodiphenyl trichloroethane) 0.21 Miles 1998 A 2019

Fish Consumption Advisory for DDT.

Indicator Bacteria 0.21 Miles 1998 B 2003

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PCBs
(Polychlorinated
biphenyls) 0.21 Miles 1998 A 2019

Fish Consumption Advisory for PCBs.

4	Colorado Lagoon	Wetland, Tidal	40512000 / 18070104	<u>Chlordane (tissue</u> <u>& sediment)</u>	13 Acres	2006	A	2019
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DDT (tissue) 13 Acres 2006 A 2019

Dieldrin (tissue) 13 Acres 2006 A 2019

Indicator Bacteria 13 Acres 2006 A 2019

This listing includes the north, center, and south areas of the lagoon.

Lead (sediment) 13 Acres 2006 A 2019

PAHs (Polycyclic
Aromatic
Hydrocarbons)
(sediment) 13 Acres 2006 A 2019

PCBs
(Polychlorinated
biphenyls) (tissue) 13 Acres 2006 A 2019

Sediment Toxicity 13 Acres 2006 A 2019

Zinc (sediment) 13 Acres 2006 A 2019

4	Compton Creek	River & Stream	40515010 / 18070104	<u>Benthic-</u> <u>Macroinvertebrate</u> <u>Bioassessments</u>	8.5 Miles	2008	A	2021
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				<u>Coliform Bacteria</u>	8.5 Miles	1996	A	2009
				<u>Copper</u>	8.5 Miles	1996	B	2005
				<u>Lead</u>	8.5 Miles	1996	B	2005
				<u>Trash</u>	8.5 Miles	2006	B	2008
				<u>pH</u>	8.5 Miles	1996	B	2004
4	Coyote Creek	River & Stream	40515010 / 18070104	<u>Ammonia</u>	13 Miles	1996	C	
				<u>Benthic-Macroinvertebrate Bioassessments</u>	13 Miles	2008	A	2021
				<u>Copper, Dissolved</u>	13 Miles	2002	B	2007
				<u>Diazinon</u>	13 Miles	2006	A	2019
				<u>Indicator Bacteria</u>	13 Miles		A	2009
				<u>Lead</u>	13 Miles	2002	B	2007
				<u>Toxicity</u>	13 Miles	2002	A	2008
				<i>This listing was made by USEPA for 2002.</i>				
				<u>pH</u>	13 Miles	2006	A	2019
4	Coyote Creek, North Fork	River & Stream	40515010 / 18070104	<u>Indicator Bacteria</u>	5 Miles	2008	A	2021
				<u>Selenium</u>	5 Miles	2008	A	2021

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4	Crystal Lake	Lake & Reservoir	40543000 / 18070106	<u>Organic Enrichment/Low Dissolved Oxygen</u>	3.7 Acres	1998	A	2019
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4	Dominguez Channel (lined portion above Vermont Ave)	River & Stream	40351000 / 18070104	<u>Ammonia</u>	6.7 Miles	1996	A	2019
				<u>Copper</u>	6.7 Miles	1996	A	2019
				<u>Diazinon</u>	6.7 Miles	2008	A	2021
				<u>Indicator Bacteria</u>	6.7 Miles	2006	A	2007
				<u>Lead</u>	6.7 Miles	1800	A	2019
				<u>Toxicity</u>	6.7 Miles	2008	A	2021
				<u>Zinc</u>	6.7 Miles	1800	A	2019

4	Dominguez Channel Estuary (unlined portion below Vermont Ave)	Estuary	40512000 / 18070104	<u>Ammonia</u>	140 Acres	1996	A	2019
				<u>Benthic Community Effects</u>	140 Acres	1996	A	2019
				<u>Benzo(a)pyrene (3,4-Benzopyrene - 7-d)</u>	140 Acres	1996	A	2019

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				<u>Benzo[a]anthracene</u>	140 Acres	2006	A	2019
				<u>Chlordane (tissue)</u>	140 Acres	1998	A	2019
				<u>Chrysene (C1-C4)</u>	140 Acres	2006	A	2019
				<u>Coliform Bacteria</u>	140 Acres	2002	A	2007
				<u>DDT (tissue & sediment)</u>	140 Acres	1996	A	2019
				<u>Dieldrin (tissue)</u>	140 Acres	1998	A	2019
				<u>Lead (tissue)</u>	140 Acres	1996	A	2019
				<u>PCBs (Polychlorinated biphenyls)</u>	140 Acres	1996	A	2019
				<u>Phenanthrene</u>	140 Acres	2006	A	2019
				<u>Pyrene</u>	140 Acres	2006	A	2019
				<u>Sediment Toxicity</u>	140 Acres	2008	A	2021
				<u>Zinc (sediment)</u>	140 Acres	1996	A	2019
4	Dry Canyon Creek	River & Stream	40521000 / 18070104	<u>Fecal Coliform</u>	3.9 Miles	2002	A	2009
				<u>Selenium, Total</u>	3.9 Miles	2002	B	2005
4	Echo Park Lake	Lake & Reservoir	40515010 / 18070104	<u>Algae</u>	13 Acres	1996	A	2019
				<u>Ammonia</u>	13 Acres	1996	A	2019
				<u>Copper</u>	13 Acres	1996	A	2019

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				<u>Eutrophic</u>	13 Acres	1996	A	2019
				<u>Lead</u>	13 Acres	1996	A	2019
				<u>Odor</u>	13 Acres	1996	A	2019
				<u>PCBs</u> <u>(Polychlorinated biphenyls) (tissue)</u>	13 Acres	1996	A	2019
				<u>Trash</u>	13 Acres	1996	A	2007
				<u>pH</u>	13 Acres	1996	A	2019
4	El Dorado Lakes	Lake & Reservoir	40515010 / 18070104	<u>Algae</u>	31 Acres	1996	A	2019
				<u>Ammonia</u>	31 Acres	1996	A	2019
				<u>Copper</u>	31 Acres	1996	A	2019
				<u>Eutrophic</u>	31 Acres	1996	A	2019
				<u>Lead</u>	31 Acres	1996	A	2019
				<u>Mercury (tissue)</u>	31 Acres	1996	A	2019
				<u>pH</u>	31 Acres	1996	A	2019
4	Elizabeth Lake	Lake & Reservoir	40351000 / 18070102	<u>Eutrophic</u>	123 Acres	1996	A	2019
				<u>Organic Enrichment/Low Dissolved Oxygen</u>	123 Acres	1998	A	2019
				<u>Trash</u>	123 Acres	1996	B	2008
				<u>pH</u>	123 Acres	1996	A	2019

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		Coastal &		<u>DDT</u>				
4	Escondido Beach	Bay Shoreline	40434000 / 18070104	(Dichlorodiphenyl trichloroethane)	1.2 Miles	1998	A	2019

Fish Consumption Advisory for DDT.

				<u>Indicator Bacteria</u>	1.2 Miles	1998	B	2003
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				<u>PCBs</u> (Polychlorinated biphenyls)	1.2 Miles	1998	A	2019
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Fish Consumption Advisory for PCBs.

	Flat Rock Point Beach Area	Coastal & Bay Shoreline	40511000 / 18070104	<u>DDT</u> (Dichlorodiphenyl trichloroethane)	0.11 Miles	1998	A	2019
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Fish Consumption Advisory for DDT.

				<u>Indicator Bacteria</u>	0.11 Miles	1998	B	2003
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				<u>PCBs</u> (Polychlorinated biphenyls)	0.11 Miles	1998	A	2019
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Fish Consumption Advisory for PCBs.

4	Hopper Creek	River & Stream	40341000 / 18070102	<u>Sulfates</u>	13 Miles	2002	A	2019
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				<u>Total Dissolved Solids</u>	13 Miles	2220	A	2019
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		Coastal &		<u>DDT</u>				
	Inspiration	Bay	40511000 /	(Dichlorodiphenyl				
4	Point Beach	Shoreline	18070104	trichloroethane)	0.14 Miles	1998	A	2019

Fish Consumption Advisory for DDT.

				<u>Indicator Bacteria</u>	0.14 Miles	1998	B	2003
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				<u>PCBs</u>				
				(Polychlorinated				
				biphenyls)	0.14 Miles	1998	A	2019

Fish Consumption Advisory for PCBs.

		Coastal &		<u>DDT</u>				
	La Costa	Bay	40416000 /	(Dichlorodiphenyl				
4	Beach	Shoreline	18070104	trichloroethane)	0.74 Miles	1998	A	2019

Fish Consumption Advisory for DDT.

				<u>Indicator Bacteria</u>	0.74 Miles	1998	B	2003
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				<u>PCBs</u>				
				(Polychlorinated				
				biphenyls)	0.74 Miles	1998	A	2019

Fish Consumption Advisory for PCBs.

	Lake	Lake &	40521000 /					
4	Calabasas	Reservoir	18070105	<u>Ammonia</u>	18 Acres	1996	A	2006

				<u>Eutrophic</u>	18 Acres	1996	A	2019
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				<u>Odor</u>	18 Acres	1996	A	2019
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				<u>Organic</u>				
				Enrichment/Low				
				Dissolved Oxygen	18 Acres	1998	A	2019

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				pH	18 Acres	1996	A	2019
4	Lake Hughes	Lake & Reservoir	40351000 / 18070102	<u>Algae</u>	21 Acres	1996	A	2019
				<u>Eutrophic</u>	21 Acres	1996	A	2019
				<u>Fish Kills</u>	21 Acres	1996	A	2019
				<u>Odor</u>	21 Acres	1996	A	2019
				<u>Trash</u>	21 Acres	1996	B	2008
4	Lake Lindero	Lake & Reservoir	40423000 / 18070104	<u>Algae</u>	15 Acres	1996	B	2003
				<u>Chloride</u>	15 Acres	1996	A	2019
				<u>Eutrophic</u>	15 Acres	1996	B	2003
				<u>Odor</u>	15 Acres	1996	B	2003
				<u>Selenium</u>	15 Acres	1996	A	2019
				<u>Specific Conductivity</u>	15 Acres	1996	A	2019
				<u>Trash</u>	15 Acres	1996	A	2019
4	Lake Sherwood	Lake & Reservoir	40426000 / 18070104	<u>Algae</u>	135 Acres	1996	B	2003
				<u>Ammonia</u>	135 Acres	1996	B	2003
				<u>Eutrophic</u>	135 Acres	1996	B	2003
				<u>Mercury (tissue)</u>	135 Acres	1996	A	2019

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Organic
Enrichment/Low
Dissolved Oxygen 135 Acres 1998 B 2003

4	Las Flores Beach	Coastal & Bay Shoreline	40415000 / 18070104	<u>Coliform Bacteria</u>	1.1 Miles	1998	B	2003
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DDT
(Dichlorodiphenyl
trichloroethane) 1.1 Miles 1998 A 2019

Fish Consumption Advisory for DDT.

PCBs
(Polychlorinated
biphenyls) 1.1 Miles 1998 A 2019

Fish Consumption Advisory for PCBs.

4	Las Tunas Beach	Coastal & Bay Shoreline	40412000 / 18070104	<u>DDT</u> <u>(Dichlorodiphenyl</u> <u>trichloroethane)</u>	1.2 Miles	1998	A	2019
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Fish Consumption Advisory for DDT.

Indicator Bacteria 1.2 Miles 1998 B 2003

PCBs
(Polychlorinated
biphenyls) 1.2 Miles 1998 A 2019

Fish Consumption Advisory for PCBs.

4	Las Virgenes Creek	River & Stream	40422010 / 18070104	<u>Benthic-</u> <u>Macroinvertebrate</u> <u>Bioassessments</u>	12 Miles	2008	A	2021
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				<u>Coliform Bacteria</u>	12 Miles	1996	B	2005
				<u>Invasive Species</u>	12 Miles	2008	A	2021
				<u>Nutrients (Algae)</u>	12 Miles	1998	B	2003
				<u>Organic Enrichment/Low Dissolved Oxygen</u>	12 Miles	1996	B	2003
				<u>Scum/Foam- unnatural</u>	12 Miles	1996	B	2003
				<u>Sedimentation/Silt ation</u>	12 Miles	2002	A	2019
				<u>Selenium</u>	12 Miles	1996	A	2019
				<u>Trash</u>	12 Miles	1996	A	2019
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4	Legg Lake	Lake & Reservoir	40531000 / 18070105	<u>Ammonia</u>	25 Acres	1996	A	2019
				<u>Copper</u>	25 Acres	1996	A	2019
				<u>Lead</u>	25 Acres	1996	A	2019
				<u>Odor</u>	25 Acres	1996	A	2019
				<u>Trash</u>	25 Acres	1996	B	2008
				<u>pH</u>	25 Acres	1996	A	2019
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4	Lincoln Park Lake	Lake & Reservoir	40515010 / 18070104	<u>Ammonia</u>	3.8 Acres	1996	A	2019
				<u>Eutrophic</u>	3.8 Acres	1996	A	2019
				<u>Lead</u>	3.8 Acres	1996	A	2019
				<u>Odor</u>	3.8 Acres	1996	A	2019

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				<u>Organic</u> <u>Enrichment/Low</u> <u>Dissolved Oxygen</u>	3.8 Acres	1998	A	2019
				<u>Trash</u>	3.8 Acres	1996	A	2007

4	Lindero Creek Reach 1	River & Stream	40423000 / 18070104	<u>Algae</u>	3 Miles	1996	B	2003
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				<u>Benthic-</u> <u>Macroinvertebrate</u> <u>Bioassessments</u>	3 Miles	2008	A	2021
				<u>Coliform Bacteria</u>	3 Miles	1996	B	2005
				<u>Invasive Species</u>	3 Miles	2008	A	2021
				<u>Scum/Foam-</u> <u>unnatural</u>	3 Miles	1996	B	2003
				<u>Selenium</u>	3 Miles	1996	A	2019
				<u>Trash</u>	3 Miles	1996	A	2019

4	Lindero Creek Reach 2 (Above Lake)	River & Stream	40425000 / 18070104	<u>Algae</u>	4.5 Miles	1998	B	2003
				<u>Coliform Bacteria</u>	4.5 Miles	1998	B	2005
				<u>Scum/Foam-</u> <u>unnatural</u>	4.5 Miles	1998	B	2003
				<u>Selenium</u>	4.5 Miles	1998	A	2019
				<u>Trash</u>	4.5 Miles	1998	A	2019

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4	Long Beach City Beach	Coastal & Bay Shoreline	40512000 / 18070104	<u>Indicator Bacteria</u>	4.7 Miles	2006	A	2019
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This listing includes the beach area at 3rd pl., 5th pl., 10th pl., 16th pl., 36th pl., 72nd pl., Coronado ave., Molino ave., and the east side and west side of Belmont Pier.

4	Long Point Beach	Coastal & Bay Shoreline	40511000 / 18070104	<u>Coliform Bacteria</u>	0.7 Miles	1998	B	2003
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				<u>DDT</u> <u>(Dichlorodiphenyl trichloroethane)</u>	0.7 Miles	1998	A	2019
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Fish Consumption Advisory for DDT.

				<u>PCBs</u> <u>(Polychlorinated biphenyls)</u>	0.7 Miles	1998	A	2019
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Fish Consumption Advisory for PCBs.

4	Los Angeles Harbor - Cabrillo Marina	Bay & Harbor	40512000 / 18070104	<u>Benzo(a)pyrene</u> <u>(3,4-Benzopyrene - 7-d)</u>	77 Acres	2008	A	2021
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				<u>DDT</u> <u>(Dichlorodiphenyl trichloroethane)</u>	77 Acres	1998	A	2019
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				<u>PCBs</u> <u>(Polychlorinated biphenyls)</u>	77 Acres	1998	A	2019
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4	Los Angeles Harbor - Consolidated Slip	Bay & Harbor	40512000 / 18070104	2- <u>Methylnaphthalene</u>	36 Acres	1998	A	2008
	<u>e</u>							

				<u>Benthic Community Effects</u>	36 Acres	1998	A	2019
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				<u>Benzo(a)pyrene (3,4-Benzopyrene - 7-d)</u>	36 Acres	1998	A	2008
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				<u>Benzo[a]anthracene e</u>	36 Acres	1998	A	2008
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This listing was made by USEPA for 2006.

				<u>Cadmium (sediment)</u>	36 Acres	1998	A	2019
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Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.

				<u>Chlordane (tissue & sediment)</u>	36 Acres	1998	A	2019
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				<u>Chromium (sediment)</u>	36 Acres	1998	A	2019
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				<u>Chrysene (C1-C4)</u>	36 Acres	1998	A	2008
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				<u>Copper (sediment)</u>	36 Acres	1998	A	2019
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				<u>DDT (tissue & sediment)</u>	36 Acres	1998	A	2019
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Fish Consumption Advisory for DDT.

				<u>Dieldrin</u>	36 Acres	1998	A	2008
--	--	--	--	-----------------	----------	------	---	------

				<u>Lead (sediment)</u>	36 Acres	1998	A	2019
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Mercury(sediment)

36 Acres

2006

A

2019

Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.

PCBs

(Polychlorinated
biphenyls) (tissue
& sediment)

36 Acres

1998

A

2019

Fish Consumption Advisory for PCBs.

Phenanthrene

36 Acres

1998

A

2008

Pyrene

36 Acres

1998

A

2008

Sediment Toxicity

36 Acres

1998

A

2019

Toxaphene(tissue)

36 Acres

1998

A

2019

Zinc (sediment)

36 Acres

1998

A

2019

Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.

4	Los Angeles Harbor - Fish Harbor	Bay & Harbor	40518000 / 18070104	<u>Benzo(a)pyrene</u>	91 Acres	1998	A	2008
				<u>(3,4-Benzopyrene -</u>				
				<u>7-d)</u>				
				<u>Benzo(a)anthracen</u>				
				<u>e</u>				
				<u>Chlordane</u>				
				<u>Chrysene (C1-C4)</u>				
				<u>Copper</u>	91 Acres	1998	A	2019

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DDT
(Dichlorodiphenyl
trichloroethane) 91 Acres 1998 A 2019

Dibenz[a,h]anthra
cene 91 Acres 1998 A 2019

Lead 91 Acres 1998 A 2019

Mercury 91 Acres 1998 A 2019

PAHs (Polycyclic
Aromatic
Hydrocarbons) 91 Acres 1998 A 2019

PCBs
(Polychlorinated
biphenyls) 91 Acres 1998 A 2019

Phenanthrene 91 Acres 1998 A 2019

Pyrene 91 Acres 1998 A 2019

Sediment Toxicity 91 Acres 1998 A 2019

Zinc 91 Acres 1998 A 2019

4	Los Angeles Harbor - Inner Cabrillo Beach Area	Bay & Harbor	40512000 / 18070104	<u>DDT</u> (Dichlorodiphenyl trichloroethane)	82 Acres	1998	A	2019
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Fish Consumption Advisory for DDT.

Indicator Bacteria 82 Acres 1998 B 2004

PCBs
(Polychlorinated
biphenyls) 82 Acres 1998 A 2019

Fish Consumption Advisory for PCBs.

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	Los Angeles River Estuary (Queensway Bay)	Estuary	40512000 / 18070104	<u>Chlordane</u> (sediment)	207 Acres	2002	A	2019
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Historical use of pesticides and lubricants.

				<u>DDT (sediment)</u>	207 Acres	2002	A	2019
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Historical use of pesticides and lubricants.

				<u>PCBs</u> (Polychlorinated biphenyls) (sediment)	207 Acres	2002	A	2019
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Historical use of pesticides and lubricants.

				<u>Sediment Toxicity</u>	207 Acres	2006	A	2019
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				<u>Trash</u>	207 Acres	2006	B	2008
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4	Los Angeles River Reach 1 (Estuary to Carson Street)	River & Stream	40512000 / 18070104	<u>Ammonia</u>	3.4 Miles	2002	B	2004
				<u>Cadmium</u>	3.4 Miles	2002	B	2005
				<u>Coliform Bacteria</u>	3.4 Miles	1996	A	2009
				<u>Copper, Dissolved</u>	3.4 Miles	2002	B	2005
				<u>Cyanide</u>	3.4 Miles	2006	A	2019
				<u>Diazinon</u>	3.4 Miles	2006	A	2019
				<u>Lead</u>	3.4 Miles	1996	B	2005
				<u>Nutrients (Algae)</u>	3.4 Miles	1998	B	2004

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				<u>Trash</u>	3.4 Miles	2006	B	2008
				<u>Zinc, Dissolved</u>	3.4 Miles	2002	B	2005
				<u>pH</u>	3.4 Miles	1996	B	2003
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4	Los Angeles River Reach 2 (Carson to Figueroa Street)	River & Stream	40515010 / 18070104	<u>Ammonia</u>	19 Miles	1996	B	2004
				<u>Coliform Bacteria</u>	19 Miles	1996	A	2009
				<u>Copper</u>	19 Miles	2006	B	2005
				<u>Lead</u>	19 Miles	1996	B	2005
				<u>Nutrients (Algae)</u>	19 Miles	1996	B	2004
				<u>Oil</u>	19 Miles	1996	A	2019
				<u>Trash</u>	19 Miles	1996	B	2008
<hr/>								
4	Los Angeles River Reach 4 (Sepulveda Dr. to Sepulveda Dam)	River & Stream	40521000 / 18070105	<u>Ammonia</u>	11 Miles	1996	B	2004
				<u>Coliform Bacteria</u>	11 Miles	1996	A	2009
				<u>Copper</u>	11 Miles	2006	B	2005
				<u>Lead</u>	11 Miles	1996	B	2005
				<u>Nutrients (Algae)</u>	11 Miles	1996	B	2004
				<u>Trash</u>	11 Miles	1996	B	2008

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4	Los Angeles River Reach 5 (within Sepulveda Basin)	River & Stream	40521000 / 18070105	<u>Ammonia</u>	1.9 Miles	1996	B	2004
				<u>Copper</u>	1.9 Miles	2006	B	2005
				<u>Lead</u>	1.9 Miles	2006	B	2005
				<u>Nutrients (Algae)</u>	1.9 Miles	1996	B	2004
				<u>Oil</u>	1.9 Miles	1996	A	2019
				<u>Trash</u>	1.9 Miles	1996	B	2008
				4	Los Angeles River Reach 6 (Above Sepulveda Flood Control Basin)	River & Stream	40521000 / 18070105	<u>Coliform Bacteria</u>
<u>Selenium</u>	7 Miles	1992	B					2005
4	Los Angeles/Long Beach Inner Harbor	Bay & Harbor	40518000 / 18070104					<u>Beach Closures</u>
				<u>Benthic Community Effects</u>	3003 Acres	1998	A	2019
				<u>Benzo(a)pyrene (3,4-Benzopyrene - 7-d)</u>	3003 Acres	2008	A	2021
				<u>Chrysene (C1-C4)</u>	3003 Acres	2008	A	2021

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				<u>Copper</u>	3003 Acres	1998	A	2008
				<u>DDT</u> <u>(Dichlorodiphenyl trichloroethane)</u>	3003 Acres	1998	A	2019
				<u>PCBs</u> <u>(Polychlorinated biphenyls)</u>	3003 Acres	1998	A	2019
				<u>Sediment Toxicity</u>	3003 Acres	1996	A	2009
				<u>Zinc</u>	3003 Acres	1988	A	2008
4	Los Angeles/Long Beach Outer Harbor (inside breakwater)	Bay & Harbor	40512000 / 18070104	<u>DDT</u> <u>(Dichlorodiphenyl trichloroethane)</u>	4042 Acres	1988	A	2019
				<u>PCBs</u> <u>(Polychlorinated biphenyls)</u>	4042 Acres	1988	A	2019
				<u>Sediment Toxicity</u>	4042 Acres	1996	A	2008
4	Los Cerritos Channel	Wetland, Tidal	40515010 / 18070104	<u>Ammonia</u>	30 Acres	2002	A	2015
				<u>Bis(2ethylhexyl)p thalate (DEHP)</u>	30 Acres	2006	A	2019
				<u>Chlordane</u> <u>(sediment)</u>	30 Acres	2002	A	2019
				<u>Coliform Bacteria</u>	30 Acres	2002	A	2019
				<u>Copper</u>	30 Acres	2002	A	2019

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				<u>Lead</u>	30 Acres	2002	A	2019
				<u>Trash</u>	30 Acres	2006	A	1800
				<u>Zinc</u>	30 Acres	2002	A	2019

4	Machado Lake (Harbor Park Lake)	Lake & Reservoir	40512000 / 18070104	<u>Algae</u>	45 Acres	1996	B	2009
				<u>Ammonia</u>	45 Acres	1996	B	2009
				<u>ChemA (tissue)</u>	45 Acres	1996	A	2019
				<i>Historical use of pesticides and lubricants.</i>				
				<u>Chlordane (tissue)</u>	45 Acres	1996	A	2019
				<i>Fish Consumption Advisory.</i>				
				<u>DDT (tissue)</u>	45 Acres	1996	A	2019
				<i>Fish Consumption Advisory.</i>				
				<u>Dieldrin (tissue)</u>	45 Acres	1996	A	2019
				<u>Eutrophic</u>	45 Acres	1992	B	2009
				<u>Odor</u>	45 Acres	1996	B	2009
				<u>PCBs</u> <u>(Polychlorinated</u> <u>biphenyls) (tissue)</u>	45 Acres	1992	A	2019
				<u>Trash</u>	45 Acres	1996	B	2008

4	Malaga Cove Beach	Coastal & Bay Shoreline	40511000 / 18070104	<u>DDT</u> <u>(Dichlorodiphenyl</u> <u>trichloroethane)</u>	0.39 Miles	1998	A	2019
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Fish Consumption Advisory for DDT.

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Indicator Bacteria 0.39 Miles 1998 B 2002

PCBs
(Polychlorinated
biphenyls) 0.39 Miles 1998 A 2019

Fish Consumption Advisory for PCBs.

4	Coastal & Bay Malibu Beach	Shoreline	40421000 / 18070104	<u>DDT</u> <u>(Dichlorodiphenyl</u> <u>trichloroethane)</u>	0.77 Miles	1998	A	2019
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Fish Consumption Advisory for DDT.

Indicator Bacteria 0.77 Miles 1998 B 2002

4	River & Malibu Creek	Stream	40421000 / 18070104	<u>Benthic-</u> <u>Macroinvertebrate</u> <u>Bioassessments</u>	11 Miles	2008	A	2021
				<u>Coliform Bacteria</u>	11 Miles	1996	B	2002
				<u>Fish Barriers (Fish</u> <u>Passage)</u>	11 Miles	1996	A	2019
				<u>Invasive Species</u>	11 Miles	2008	A	2021
				<u>Nutrients (Algae)</u>	11 Miles	1996	B	2003
				<u>Scum/Foam-</u> <u>unnatural</u>	11 Miles	1996	B	2003
				<u>Sedimentation/Silt</u> <u>ation</u>	11 Miles	2002	A	2019
				<u>Selenium</u>	11 Miles	2006	A	2019
				<u>Sulfates</u>	11 Miles	2006	A	2019

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Trash

11 Miles

1996

A

2019

4	Malibu Lagoon	Estuary	40421000 / 18070104	<u>Benthic Community Effects</u> Hydromodification	15 Acres	1998	C	
				<u>Coliform Bacteria</u>	15 Acres	1998	B	2005
				<u>Eutrophic</u>	15 Acres	1998	B	2003
				<u>Swimming Restrictions</u>	15 Acres	1998	B	2006
				<u>Viruses (enteric)</u>	15 Acres	1998	B	2006
				<u>pH</u>	15 Acres	2002	A	2006
				<i>Possible sources might be septic systems, storm drains, and birds.</i>				

4	Malibu Lagoon Beach (Surfrider)	Coastal & Bay Shoreline	40421000 / 18070104	<u>Coliform Bacteria</u>	1 Miles	1998	B	2003
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				<u>DDT</u> (Dichlorodiphenyl trichloroethane)	1 Miles	1998	A	2019
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Fish Consumption Advisory for DDT.

				<u>PCBs</u> (Polychlorinated biphenyls)	1 Miles	1998	A	2019
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Fish Consumption Advisory for PCBs.

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4	Marina del Rey Harbor - Back Basins	Bay & Harbor	40517000 / 18070104	<u>Chlordane (tissue & sediment)</u>	391 Acres	1998	B	2005
				<u>Copper (sediment)</u>	391 Acres	1998	B	2005
				<u>DDT (tissue)</u>	391 Acres	1992	A	2005
				<i>A USEPA-approved TMDL has made a finding of non-impairment for this pollutant.</i>				
				<u>Dieldrin (tissue)</u>	391 Acres	1992	A	2005
				<i>A USEPA-approved TMDL has made a finding of non-impairment for this pollutant.</i>				
				<u>Fish Consumption Advisory</u>	391 Acres	1998	B	2005
				<u>Indicator Bacteria</u>	391 Acres	2006	B	2004
				<u>Lead (sediment)</u>	391 Acres	1988	B	2005
				<u>PCBs (Polychlorinated biphenyls) (tissue & sediment)</u>	391 Acres	1994	B	2005
				<i>Historical use of pesticides, storm water runoff/aerial deposition from urban areas. Shellfish harvesting advisory for PCBs in tissue.</i>				
				<u>Sediment Toxicity</u>	391 Acres	1998	B	2005
				<u>Zinc (sediment)</u>	391 Acres	1988	B	2005

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4	Matilija Creek Reach 1 (Jct. With N. Fork to Reservoir)	River & Stream	40220012 / 18070101	<u>Fish Barriers (Fish Passage)</u>	0.63 Miles	1996	A	2019
4	Matilija Creek Reach 2 (Above Reservoir)	River & Stream	40220010 / 18070101	<u>Fish Barriers (Fish Passage)</u>	15 Miles	1996	A	2019
4	Matilija Reservoir	Lake & Reservoir	40220012 / 18070101	<u>Fish Barriers (Fish Passage)</u>	121 Acres	1996	A	2019
4	McCoy Canyon Creek	River & Stream	40521000 / 18070104	<u>Fecal Coliform</u>	4 Miles	2002	A	2009
				<u>Nitrate</u>	4 Miles	2002	A	2019
				<u>Nitrogen, Nitrate</u>	4 Miles	2002	A	2019
				<u>Selenium, Total</u>	4 Miles	2002	B	2005
4	McGrath Lake	Lake & Reservoir	40311000 / 18070103	<u>Chlordane (sediment)</u>	20 Acres	1996	A	2019
				<u>DDT (sediment)</u>	20 Acres	1996	A	2019
				<u>Dieldrin (sediment)</u>	20 Acres	2002	A	2019
				<i>Historical use of pesticides and lubricants, storm water runoff/aerial deposition from agricultural fields.</i>				
				<u>Fecal Coliform</u>	20 Acres	2002	A	2019

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PCBs
(Polychlorinated
biphenyls)
(sediment)

20 Acres 2002 A 2019

Historical use of pesticides and lubricants, storm water runoff/aerial deposition from agricultural fields.

Sediment Toxicity 20 Acres 1996 A 2019

4	Medea Creek Reach 1 (Lake to Confl. with Lindero)	River & Stream	40424000 / 18070104	<u>Algae</u>	2.6 Miles	1996	B	2003
				<u>Coliform Bacteria</u>	2.6 Miles	1996	B	2005
				<u>Sedimentation/Silt ation</u>	2.6 Miles	2002	A	2019
				<u>Selenium</u>	2.6 Miles	1996	A	2019
				<u>Trash</u>	2.6 Miles	1996	A	2019

4	Medea Creek Reach 2 (Abv Confl. with Lindero)	River & Stream	40423000 / 18070104	<u>Algae</u>	5.4 Miles	1996	B	2003
				<u>Benthic- Macroinvertebrate Bioassessments</u>	5.4 Miles	2008	A	2021
				<u>Coliform Bacteria</u>	5.4 Miles	1996	B	2005
				<u>Invasive Species</u>	5.4 Miles	2008	A	2021
				<u>Sedimentation/Silt ation</u>	5.4 Miles	2002	A	2019

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				<u>Selenium</u>	5.4 Miles	1996	A	2019
				<u>Trash</u>	5.4 Miles	1996	A	2019
4	Munz Lake	Lake & Reservoir	40351000 / 18070102	<u>Eutrophic</u>	6.6 Acres	1996	A	2019
				<u>Trash</u>	6.6 Acres	1996	B	2008
4	Nicholas Canyon Beach	Coastal & Bay Shoreline	40444000 / 18070104	<u>DDT</u> <u>(Dichlorodiphenyl trichloroethane)</u>	1.7 Miles	1998	A	2019
				<i>Fish Consumption Advisory for DDT.</i>				
				<u>Indicator Bacteria</u>	1.7 Miles	1998	B	2002
				<u>PCBs</u> <u>(Polychlorinated biphenyls)</u>	1.7 Miles	1998	A	2019
				<i>Fish Consumption Advisory for PCBs.</i>				
4	Ormond Beach	Coastal & Bay Shoreline	40311000 / 18070103	<u>Indicator Bacteria</u>	3.1 Miles	2002	A	2015
				<i>This listing includes the area of Ormond Beach at Oxnard Drain.</i>				
4	Palo Verde Park Beach	Coastal & Bay Shoreline	40511000 / 18070104	<u>Pathogens</u>	0.24 Miles	1998	B	2003
				<u>Pesticides</u>	0.24 Miles	1998	A	2019

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4	Paradise Cove Beach	Coastal & Bay Shoreline	40435000 / 18070104	<u>DDT</u> (Dichlorodiphenyl trichloroethane)	1.7 Miles	1998	A	2019
				<i>Fish Consumption Advisory for DDT.</i>				
				<u>Fecal Coliform</u>	1.7 Miles	1998	B	2003
				<u>PCBs</u> (Polychlorinated biphenyls)	1.7 Miles	1998	A	2019
				<i>Fish Consumption Advisory for PCBs.</i>				
4	Peck Road Park Lake	Lake & Reservoir	40531000 / 18070105	<u>Chlordane (tissue)</u>	103 Acres	1996	A	2019
				<u>DDT (tissue)</u>	103 Acres	1996	A	2019
				<u>Lead</u>	103 Acres	1996	A	2019
				<u>Odor</u>	103 Acres	1996	A	2019
				<u>Organic Enrichment/Low Dissolved Oxygen</u>	103 Acres	1996	A	2019
				<u>Trash</u>	103 Acres	1996	A	2007
4	Peninsula Beach	Coastal & Bay Shoreline	40311000 / 18070103	<u>Indicator Bacteria</u>	0.15 Miles	2002	A	2003
				<i>Area affected is beach area north of South Jetty.</i>				

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4	Piru Creek (from gaging station below Santa Felicia Dam to headwaters)	River & Stream	40342000 / 18070102	<u>Chloride</u>	67 Miles	2006	A	2019
				<u>pH</u>	67 Miles	2002	A	2019
4	Point Dume Beach	Coastal & Bay Shoreline	40435000 / 18070104	<u>DDT</u> (Dichlorodiphenyl trichloroethane)	2.5 Miles	1998	A	2019
				<i>Fish Consumption Advisory for DDT.</i>				
				<u>Indicator Bacteria</u>	2.5 Miles	1994	B	2002
				<u>PCBs</u> (Polychlorinated biphenyls)	2.5 Miles	1996	A	2019
				<i>Fish consumption advisory for PCBs.</i>				
4	Point Fermin Park Beach	Coastal & Bay Shoreline	40512000 / 18070104	<u>DDT</u> (Dichlorodiphenyl trichloroethane)	1.6 Miles	1996	A	2019
				<i>Fish Consumption Advisory for DDT.</i>				
				<u>PCBs</u> (Polychlorinated biphenyls)	1.6 Miles	1998	A	2019
				<i>Fish Consumption Advisory for PCBs.</i>				
				<u>Total Coliform</u>	1.6 Miles	1994	B	2002

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4	Pole Creek (trib to Santa Clara River Reach 3)	River & Stream	40331000 / 18070102	<u>Sulfates</u>	9 Miles	2002	A	2019
				<u>Total Dissolved Solids</u>	9 Miles	2002	A	2019
4	Port Hueneme Pier	Coastal & Bay Shoreline	40311000 / 18070103	<u>PCBs</u> <u>(Polychlorinated biphenyls)</u>	0.33 Miles	2006	A	2019
4	Portuguese Bend Beach	Coastal & Bay Shoreline	40511000 / 18070104	<u>DDT</u> <u>(Dichlorodiphenyl trichloroethane)</u>	1.4 Miles	1998	A	2019
				<i>Fish Consumption Advisory for DDT.</i>				
				<u>Indicator Bacteria</u>	1.4 Miles	1998	B	2002
				<u>PCBs</u> <u>(Polychlorinated biphenyls)</u>	1.4 Miles	1998	A	2019
				<i>Fish Consumption Advisory for PCB.</i>				
4	Promenade Park Beach	Coastal & Bay Shoreline	40210000 / 18070101	<u>Indicator Bacteria</u>	0.58 Miles	2002	A	2015
				<i>Area affected is at south of drain at Figueroa Street.</i>				
4	Puddingstone Reservoir	Lake & Reservoir	40552000 / 18070106	<u>Chlordane (tissue)</u>	243 Acres	1988	A	2019
				<u>DDT (tissue)</u>	243 Acres	1996	A	2019

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				<u>Mercury (tissue)</u>	243 Acres	1996	A	2019
				<u>Organic Enrichment/Low Dissolved Oxygen</u>	243 Acres	1996	A	2019
				<u>PCBs (Polychlorinated biphenyls) (tissue)</u>	243 Acres	1996	A	2019
4	Puente Creek	River & Stream	40515010 / 18070104	<u>Indicator Bacteria</u>	5.8 Miles	2008	A	2021
				<u>Selenium</u>	5.8 Miles	2008	A	2021
4	Puerco Beach	Coastal & Bay Shoreline	40431000 / 18070104	<u>DDT (Dichlorodiphenyl trichloroethane)</u>	0.5 Miles	1998	A	2019
				<i>Fish Consumption Advisory for DDT.</i>				
				<u>Indicator Bacteria</u>	0.5 Miles	1998	B	2002
				<u>PCBs (Polychlorinated biphenyls)</u>	0.5 Miles	1998	A	2019
				<i>Fish Consumption Advisory for PCBs.</i>				
4	Redondo Beach	Coastal & Bay Shoreline	40512000 / 18070104	<u>Coliform Bacteria</u>	1.5 Miles	1998	B	2003
				<u>DDT (Dichlorodiphenyl trichloroethane)</u>	1.5 Miles	1998	A	2019
				<i>Fish Consumption Advisory for DDT.</i>				

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PCBs
(Polychlorinated
biphenyls)

1.5 Miles

1998

A

2019

Fish Consumption Advisory for PCBs.

		Coastal & Bay	40100010 /					
4	Rincon Beach	Shoreline	18070101	<u>Indicator Bacteria</u>	0.38 Miles	2002	A	2015

Area affected is 50 yards south of mouth of Rincon Creek.

	Rio De Santa Clara/Oxnard Drain No. 3	River & Stream	40311000 / 18070103					
4				<u>ChemA (tissue)</u>	1.9 Miles	1996	A	2019
				<u>Chlordane (tissue)</u>	1.9 Miles	1996	A	2019
				<u>DDT (tissue)</u>	1.9 Miles	1996	A	2019
				<u>Nitrogen</u>	1.9 Miles	1996	B	2003
				<u>PCBs</u> (Polychlorinated biphenyls) (tissue)	1.9 Miles	1996	A	2019
				<u>Sediment Toxicity</u>	1.9 Miles	1996	A	2019
				<u>Toxaphene (tissue)</u>	1.9 Miles	1996	A	2019

	Rio Hondo Reach 1 (Confl. LA River to Snt Ana Fwy)	River & Stream	40515010 / 18070104					
4				<u>Coliform Bacteria</u>	4.6 Miles	1996	A	2009
				<u>Copper</u>	4.6 Miles	1996	B	2005

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				<u>Cyanide</u>	4.6 Miles	2008	A	2021
				<u>Lead</u>	4.6 Miles	1996	B	2005
				<u>Toxicity</u>	4.6 Miles	2008	A	2021
				<u>Trash</u>	4.6 Miles	1996	B	2008
				<u>Zinc</u>	4.6 Miles	1996	B	2005
				<u>pH</u>	4.6 Miles	1996	B	2004
4	Rio Hondo Reach 2 (At Spreading Grounds)	River & Stream	40515010 / 18070104	<u>Coliform Bacteria</u>	4.9 Miles	1996	A	2009
4	Robert H. Meyer Memorial Beach	Coastal & Bay Shoreline	40441000 / 18070104	<u>Beach Closures</u>	1.2 Miles	1998	B	2003
				<u>DDT</u> <u>(Dichlorodiphenyl trichloroethane)</u>	1.2 Miles	1998	A	2019
				<i>Fish Consumption Advisory for DDT.</i>				
				<u>PCBs</u> <u>(Polychlorinated biphenyls)</u>	1.2 Miles	1998	A	2019
				<i>Fish Consumption Advisory for PCBs.</i>				
4	Royal Palms Beach	Coastal & Bay Shoreline	40511000 / 18070104	<u>DDT</u> <u>(Dichlorodiphenyl trichloroethane)</u>	1.1 Miles	1998	A	2019
				<i>Fish Consumption Advisory for DDT.</i>				

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				<u>Indicator Bacteria</u>	1.1 Miles	1998	B	2002
				<u>PCBs</u> (Polychlorinated biphenyls)	1.1 Miles	1998	A	2019
				<i>Fish Consumption Advisory for PCBs.</i>				
4	San Antonio Creek (Tributary to Ventura River Reach 4)	River & Stream	40220023 / 18070101	<u>Indicator Bacteria</u>	9.8 Miles	2008	A	2021
				<u>Nitrogen</u>	9.8 Miles	2002	A	2019
				<u>Total Dissolved Solids</u>	9.8 Miles	2008	A	2023
4	San Buenaventura Beach	Coastal & Bay Shoreline	40210000 / 18070103	<u>Indicator Bacteria</u>	1.8 Miles	1800	A	2015
				<i>This listing includes the area of San Buenaventura Beach at San Jon Rd.</i>				
4	San Gabriel River Estuary	River & Stream	40516000 / 18070104	<u>Copper</u>	3.4 Miles	1996	B	2007
				<u>Dioxin</u>	3.4 Miles	2008	A	2021
				<u>Nickel</u>	3.4 Miles	2008	A	2021
				<u>Oxygen, Dissolved</u>	3.4 Miles	2008	A	2021

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4	San Gabriel River Reach 1 (Estuary to Firestone)	River & Stream	40515010 / 18070104	<u>Coliform Bacteria</u>	6.4 Miles	2006	A	2019
				<u>pH</u>	6.4 Miles	1996	A	2009
4	San Gabriel River Reach 2 (Firestone to Whittier Narrows Dam)	River & Stream	40515010 / 18070104	<u>Coliform Bacteria</u>	12 Miles	1998	A	2011
				<u>Cyanide</u>	12 Miles	2008	A	2021
				<u>Lead</u>	12 Miles	1996	B	2007
4	San Gabriel River Reach 3 (Whittier Narrows to Ramona)	River & Stream	40531000 / 18070104	<u>Indicator Bacteria</u>	7.2 Miles	2008	A	2021
4	San Jose Creek Reach 1 (SG Confluence to Temple St.)	River & Stream	40531000 / 18070105	<u>Ammonia</u>	2.7 Miles	1996	C	
				<u>Benthic-Macroinvertebrate Bioassessments</u>	2.7 Miles	2008	A	2021
				<u>Coliform Bacteria</u>	2.7 Miles	1996	A	2009
				<u>Total Dissolved Solids</u>	2.7 Miles	2008	A	2021

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				<u>Toxicity</u>	2.7 Miles	1996	A	2007
				<u>pH</u>	2.7 Miles	2008	A	2021
4	San José Creek Reach 2 (Temple to I-10 at White Ave.)	River & Stream	40531000 / 18070106	<u>Coliform Bacteria</u>	17 Miles	1996	A	2019
4	San Pedro Bay Near/Off Shore Zones	Bay & Harbor	40512000 / 18070104	<u>Chlordane</u>	8173 Acres	2006	A	2019
				<u>DDT (tissue & sediment)</u>	8173 Acres	1996	A	2019
				<i>Fish Consumption Advisory for DDT.</i>				
				<u>PCBs (Polychlorinated biphenyls)</u>	8173 Acres	1996	A	2019
				<i>Fish Consumption Advisory for PCBs.</i>				
				<u>Sediment Toxicity</u>	8173 Acres	1996	A	2009
4	Santa Clara River Estuary	Estuary	40311000 / 18070103	<u>ChemA</u>	49 Acres	1998	A	2019
				<u>Coliform Bacteria</u>	49 Acres	1998	A	2019
				<u>Nitrogen, Nitrate</u>	49 Acres	2008	A	2021
				<u>Toxaphene</u>	49 Acres	1998	A	2019
				<u>Toxicity</u>	49 Acres	2008	A	2019

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4	Santa Clara River Estuary Beach-Surfers Knoll	Coastal & Bay Shoreline	40311000 / 18070103	<u>Indicator Bacteria</u>	1 Miles	2008	A	2021
4	Santa Clara River Reach 1 (Estuary to Hwy 101 Bridge)	River & Stream	40311000 / 18070103	<u>Toxicity</u>	10 Miles	2006	A	2019
4	Santa Clara River Reach 3 (Freeman Diversion to A Street)	River & Stream	40331000 / 18070103	<u>Ammonia</u>	31 Miles	2002	B	2004
				<u>Chloride</u>	31 Miles	2002	B	2002
				<u>Total Dissolved Solids</u>	31 Miles	2002	A	2023
				<u>Toxicity</u>	31 Miles	2008	A	2021
4	Santa Clara River Reach 5 (Blue Cut gaging station to West Pier Hwy 99 Bridge) (was named Santa Clara River Reach 7 on 2002 303(d) list)	River & Stream	40351000 / 18070102	<u>Chloride</u>	9.4 Miles	2006	B	2005

Chloride was relisted by USEPA in 2002.

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				<u>Chlorodibromome thane</u>	9.4 Miles	2008	A	2021
				<u>Coliform Bacteria</u>	9.4 Miles	2006	A	2019
				<u>Dichlorobromome thane</u>	9.4 Miles	2008	A	2021
				<u>Iron</u>	9.4 Miles	2008	A	2021
				<u>Specific Conductivity</u>	9.4 Miles	2008	A	2021

4	Santa Clara River Reach 6 (W Pier Hwy 99 to Bouquet Cyn Rd) (was named Santa Clara River Reach 8 on 2002 303(d) list)	River & Stream	40351000 / 18070102	<u>Benthic- Macroinvertebrate Bioassessments</u>	5.2 Miles	2008	A	2021
				<u>Chloride</u>	5.2 Miles	1998	B	2005
				<i>Chloride was relisted by USEPA in 2002.</i>				
				<u>Chlorodibromome thane</u>	5.2 Miles	2008	A	2021
				<u>Chlorpyrifos</u>	5.2 Miles	2006	A	2019
				<u>Coliform Bacteria</u>	5.2 Miles	1996	A	2019
				<u>Copper</u>	5.2 Miles	2008	A	2021
				<u>Diazinon</u>	5.2 Miles	2006	A	2019
				<u>Dichlorobromome thane</u>	5.2 Miles	2008	A	2021
				<u>Iron</u>	5.2 Miles	2008	A	2021

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				<u>Specific Conductance</u>	5.2 Miles	2008	A	2021
				<u>Toxicity</u>	5.2 Miles	2006	A	2019
4	Santa Clara River Reach 7 (Bouquet Canyon Rd to above Lang Gaging Station) (was named Santa Clara River Reach 9 on 2002 303(d) list)	River & Stream	40351000 / 18070102	<u>Coliform Bacteria</u>	21 Miles	2002	A	2019
4	Santa Clara River Reach 11 (Piru Creek, from confluence with Santa Clara River Reach 4 to gaging station below Santa Felicia Dam)	River & Stream	40341000 / 18070102	<u>Boron</u>	6.2 Miles	2006	A	2019
				<u>Specific Conductance</u>	6.2 Miles	2008	A	2021
				<u>Sulfates</u>	6.2 Miles	2006	A	2019
				<u>Total Dissolved Solids</u>	6.2 Miles	2008	A	2021
4	Santa Fe Dam Park Lake	Lake & Reservoir	40531000 / 18070105	<u>Copper</u>	20 Acres	1996	A	2019

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				<u>Lead</u>	20 Acres	1996	A	2019
				<u>pH</u>	20 Acres	1996	A	2019
4	Santa Monica Bay Offshore/Near shore	Bay & Harbor	40513000 / 18070104	<u>DDT (tissue & sediment)</u> <i>Centered on Palos Verdes Shelf.</i>	146645 Acres	1996	A	2019
				<u>Debris</u>	146645 Acres	1998	A	2019
				<u>Fish Consumption Advisory</u>	146645 Acres	1996	A	2019
				<i>The Fish Consumption Advisory is due to DDT and PCBs.</i>				
				<u>PCBs</u> <u>(Polychlorinated biphenyls) (tissue & sediment)</u>	146645 Acres	1996	A	2019
				<u>Sediment Toxicity</u>	146645 Acres	1996	A	2019
4	Santa Monica Canyon	River & Stream	40513000 / 18070104	<u>Indicator Bacteria</u>	2.7 Miles	1996	B	2002
				<u>Lead</u>	2.7 Miles	1996	A	2019
4	Sawpit Creek	River & Stream	40531000 / 18070105	<u>Bis(2ethylhexyl)p hthalate (DEHP)</u>	3.9 Miles	2006	A	2019
				<u>Fecal Coliform</u>	3.9 Miles	2006	A	2019

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4	Sea Level Beach	Coastal & Bay Shoreline	40441000 / 18070104	<u>DDT</u> (Dichlorodiphenyl trichloroethane)	0.21 Miles	1998	A	2019
				<i>Fish Consumption Advisory for DDT.</i>				
				<u>Indicator Bacteria</u>	0.21 Miles	2006	B	2002
4	Sepulveda Canyon	River & Stream	405.13 / 18070104	<u>PCBs</u> (Polychlorinated biphenyls)	0.21 Miles	1998	A	2019
				<i>Fish Consumption Advisory for PCBs.</i>				
				<u>Ammonia</u>	0.83 Miles	1996	A	2019
				<u>Copper</u>	0.83 Miles	2006	B	2005
				<u>Indicator Bacteria</u>	0.83 Miles	1996	B	2007
				<u>Lead</u>	0.83 Miles	1996	B	2005
				<u>Selenium</u>	0.83 Miles	2006	B	2005
4	Sespe Creek (from 500 ft below confluence with Little Sespe Cr to headwaters)	River & Stream	40332020 / 18070102	<u>Zinc</u>	0.83 Miles	2006	B	2005
				<u>Chloride</u>	54 Miles	2006	A	2019
				<u>pH</u>	54 Miles	2006	A	2019

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4	Solstice Canyon Creek	River & Stream	40432000 / 18070104	<u>Invasive Species</u>	4.8 Miles	2008	A	2021
4	Surfers Point at Seaside	Coastal & Bay Shoreline	40210000 / 18070101	<u>Indicator Bacteria</u>	0.4 Miles	2002	A	2015
<i>Area affected is the end of the access path via a wooden gate.</i>								
4	Topanga Beach	Coastal & Bay Shoreline	40413000 / 18070104	<u>Coliform Bacteria</u>	2.5 Miles	1998	B	2002
				<u>DDT</u> <u>(Dichlorodiphenyl trichloroethane)</u>	2.5 Miles	1998	A	2019
<i>Fish Consumption Advisory for DDT.</i>								
				<u>PCBs</u> <u>(Polychlorinated biphenyls)</u>	2.5 Miles	1998	A	2019
<i>Fish Consumption Advisory for PCBs.</i>								
4	Topanga Canyon Creek	River & Stream	40411000 / 18070104	<u>Lead</u>	8.6 Miles	1996	A	2019
4	Torrance Carson Channel	River & Stream	40512000 / 18070104	<u>Coliform Bacteria</u>	3.4 Miles	1996	A	2007
				<u>Copper</u>	3.4 Miles	1996	A	2019
				<u>Lead</u>	3.4 Miles	1996	A	2019

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4	Trancas Beach (Broad Beach)	Coastal & Bay Shoreline	40437000 / 18070104	<u>DDT</u> (Dichlorodiphenyl trichloroethane)	1.7 Miles	1998	A	2019
				<i>Fish Consumption Advisory for DDT.</i>				
				<u>Fecal Coliform</u>	1.7 Miles	2006	B	2002
				<u>PCBs</u> (Polychlorinated biphenyls)	1.7 Miles	1998	A	2019
				<i>Fish Consumption Advisory for PCBs.</i>				
4	Triunfo Canyon Creek Reach 1	River & Stream	40424000 / 18070104	<u>Lead</u>	2.5 Miles	1996	A	2019
				<u>Mercury</u>	2.5 Miles	1996	A	2019
				<u>Sedimentation/Silt ation</u>	2.5 Miles	2002	A	2019
4	Triunfo Canyon Creek Reach 2	River & Stream	40424000 / 18070104	<u>Benthic- Macroinvertebrate Bioassessments</u>	3.3 Miles	2008	A	2021
				<u>Lead</u>	3.3 Miles	1996	A	2019
				<u>Mercury</u>	3.3 Miles	1996	A	2019
				<u>Sedimentation/Silt ation</u>	3.3 Miles	2002	A	2019

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4	Tujunga Wash (LA River to Hansen Dam)	River & Stream	40521000 / 18070105	<u>Ammonia</u>	9.7 Miles	1996	B	2004
				<u>Coliform Bacteria</u>	9.7 Miles	1996	A	2009
				<u>Copper</u>	9.7 Miles	1996	B	2005
				<u>Trash</u>	9.7 Miles	1996	B	2008
4	Ventura Harbor: Ventura Keys	Bay & Harbor	40311000 / 18070103	<u>Coliform Bacteria</u>	179 Acres	1996	A	2019
				<u>DDT</u> <u>(Dichlorodiphenyl trichloroethane)</u>	0.69 Miles	2006	A	2019
4	Ventura Marina Jetties	Coastal & Bay Shoreline	40311000 / 18070103	<u>PCBs</u> <u>(Polychlorinated biphenyls)</u>	0.69 Miles	2006	A	2019
				<u>Algae</u>	0.2 Miles	1998	A	2019
4	Ventura River Estuary	River & Stream	40210011 / 18070101	<u>Eutrophic</u>	0.2 Miles	1998	A	2019
				<u>Total Coliform</u>	0.2 Miles	2002	A	2019
				<i>Stables and horse property may be the sources.</i>				
				<u>Trash</u>	0.2 Miles	1998	B	2008

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4	Ventura River Reach 1 and 2 (Estuary to Weldon Canyon)	River & Stream	40210011 / 18070101	<u>Algae</u>	4.5 Miles	1996	A	2019
4	Ventura River Reach 3 (Weldon Canyon to Confl. w/ Coyote Cr)	River & Stream	40210011 / 18070101	<u>Indicator Bacteria</u>	2.8 Miles	2008	A	2021
				<u>Pumping</u>	2.8 Miles	1996	A	2019
				<u>Water Diversion</u>	2.8 Miles	1996	A	2019
4	Ventura River Reach 4 (Coyote Creek to Camino Cielo Rd)	River & Stream	40220021 / 18070101	<u>Pumping</u>	19 Miles	1996	A	2019
				<u>Water Diversion</u>	19 Miles	1996	A	2019
4	Verdugo Wash Reach 1 (LA River to Verdugo Rd.)	River & Stream	40521000 / 18070105	<u>Coliform Bacteria</u>	2 Miles	1996	A	2009
				<u>Copper</u>	2 Miles	2008	A	2021
				<u>Trash</u>	2 Miles	1996	B	2008

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4	Verdugo Wash Reach 2 (Above Verdugo Road)	River & Stream	40524000 / 18070105	<u>Coliform Bacteria</u>	7.6 Miles	1996	A	2009
				<u>Trash</u>	7.6 Miles	1996	B	2008
4	Walnut Creek Wash (Drains from Puddingstone Res)	River & Stream	40531000 / 18070106	<u>Benthic-Macroinvertebrate Bioassessments</u>	12 Miles	2008	A	2021
				<u>Indicator Bacteria</u>	12 Miles	2008	A	2021
				<u>pH</u>	12 Miles	1996	A	2007
4	Westlake Lake	Lake & Reservoir	40425000 / 18070104	<u>Algae</u>	119 Acres	1996	B	2003
				<u>Ammonia</u>	119 Acres	1996	B	2003
				<u>Eutrophic</u>	119 Acres	1996	B	2003
				<u>Lead</u>	119 Acres	1996	A	2019
				<u>Organic Enrichment/Low Dissolved Oxygen</u>	119 Acres	1996	B	2003
4	Wheeler Canyon/Todd Barranca	River & Stream	40321000 / 18070102	<u>Nitrate and Nitrite</u>	10 Miles	1998	B	2004
				<u>Sulfates</u>	10 Miles	2002	A	2019
				<u>Total Dissolved Solids</u>	10 Miles	2002	A	2019

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		Coastal &		<u>DDT</u>				
4	Whites Point Beach	Bay Shoreline	40511000 / 18070104	(Dichlorodiphenyl trichloroethane)	1.1 Miles	2006	A	2019

Fish Consumption Advisory for DDT.

				<u>Indicator Bacteria</u>	1.1 Miles	2006	B	2002
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				<u>PCBs</u> (Polychlorinated biphenyls)	1.1 Miles	2006	A	2019
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Fish Consumption Advisory for PCBs.

4	Wilmington Drain	River & Stream	40342000 / 18070104	<u>Coliform Bacteria</u>	0.56 Miles	1996	A	2007
				<u>Copper</u>	0.56 Miles	1996	A	2019
				<u>Lead</u>	0.56 Miles	1996	A	2019

4	Zuma Beach (Westward Beach)	Coastal & Bay Shoreline	40436000 / 18070104	<u>DDT</u> (Dichlorodiphenyl trichloroethane)	1.6 Miles	2006	A	2019
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Fish Consumption Advisory for DDT.

				<u>Indicator Bacteria</u>	1.6 Miles	2006	B	2002
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				<u>PCBs</u> (Polychlorinated biphenyls)	1.6 Miles	2006	A	2019
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Fish Consumption Advisory for PCBs.

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(Those requiring TMDLs (A), being addressed by USEPA approved TMDLs (B), and being addressed by actions other than TMDLs (C))

WATER BODY NAME	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED
Abalone Cove Beach	40511000	1.07 Miles	5	DDT (sediment)	A	01/01/2019	
				Indicator Bacteria	B		06/19/2003
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
<i>Fish Consumption Advisory for PCBs.</i>							
Alamitos Bay	40512000	328 Acres	5	Indicator Bacteria	A	01/01/2019	
<i>The listing includes the areas 1st St. and Bayshore and 2nd St. Bridge and Bayshore.</i>							
Aliso Canyon Wash	40521000	10.13 Miles	5	Copper	A	01/01/2019	
				Fecal Coliform	A	01/01/2019	
				Selenium	B		12/22/2005
Amarillo Beach	40431000	0.64 Miles	5	DDT	A	01/01/2019	
				(Dichlorodiphenyltrichloroethane)			
<i>Fish Consumption Advisory for DDT.</i>							
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
<i>Fish Consumption Advisory for PCBs.</i>							
Arroyo Seco Reach 1 (LA River to West Holly Ave.)	40515010	5.15 Miles	5	Benthic-Macroinvertebrate Bioassessments	A	01/01/2021	
				Coliform Bacteria	A	01/01/2009	
				Trash	B		07/24/2008
Arroyo Seco Reach 2 (Figueroa St. to Riverside Dr.)	40515010	4.42 Miles	5	Coliform Bacteria	A	01/01/2009	

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WATER BODY NAME	CAL WATER WATERSHED	ESTIMATED INTEGRATED SIZE AFFECTED	REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Artesia-Norwalk Drain	40515010	2.5 Miles	5	Trash	B	07/24/2008	
				Indicator Bacteria	A	01/01/2021	
				Selenium	A	01/01/2021	
Avalon Beach	40511000	0.67 Miles	5	Indicator Bacteria	A	01/01/2019	
				Area affected is between Pier and BB restaurant (2/3), between Pier and BB restaurant (1/3), between storm drain and Pier (1/3), and between BB restaurant and the Tuna Club.			
Ballona Creek	40513000	6.47 Miles	5	Cadmium (sediment)	A	01/01/2005	
				A USEPA-approved TMDL has made a finding of non-impairment for this pollutant.			
				Coliform Bacteria	B		03/26/2007
				Copper, Dissolved	B		12/22/2005
				Cyanide	A	01/01/2019	
				Lead	B		12/22/2005
				Selenium	B		12/22/2005
				Shellfish Harvesting Advisory	B		01/01/2006
				Toxicity	B		01/01/2005
				Trash	B		01/01/2001
				Viruses (enteric)	B		03/26/2007
				Zinc	B		12/22/2005
Ballona Creek Estuary	40513000	2.31 Miles	5	Cadmium	B		12/22/2005
				Chlordane (tissue & sediment)	B		12/22/2005
				Coliform Bacteria	B		01/01/2007
				Copper	B		12/22/2005
				DDT (tissue & sediment)	B		12/22/2005
				Lead (sediment)	B		12/22/2005

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WATER BODY NAME	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Ballona Creek Wetlands	40517000	289.2 Acres	5	PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)	B		12/22/2005
				PCBs (Polychlorinated biphenyls) (tissue & sediment)	B		12/22/2005
				Sediment Toxicity	B		01/01/2005
				Shellfish Harvesting Advisory	A	01/01/2006	
				Silver	B		12/22/2005
				Zinc (sediment)	B		12/22/2005
				Exotic Vegetation	A	01/01/2019	
Bell Creek	40521000	8.92 Miles	5	Habitat alterations	A	01/01/2019	
				Hydromodification	A	01/01/2019	
				Reduced Tidal Flushing	A	01/01/2019	
				Trash	B		01/01/2019
Big Rock Beach	40431000	0.74 Miles	5	Coliform Bacteria	A	01/01/2009	
				Coliform Bacteria	B		06/19/2003
				DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	
Bluff Cove Beach	40511000	0.55 Miles	5	<i>Fish Consumption Advisory for DDT.</i>			
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
				<i>Fish Consumption Advisory for PCBs.</i>			
				DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	
				<i>Fish Consumption Advisory for DDT.</i>			

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WATER BODY NAME	CAL WATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Indicator Bacteria							
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	06/19/2003
<i>Fish Consumption Advisory for PCBs.</i>							
Brown Barranca/Long Canyon	40321000	2.6 Miles	4A	Nitrate and Nitrite	B		03/18/2004
Bull Creek	40521000	2.3 Miles	5	Indicator Bacteria	A	01/01/2021	
Burbank Western Channel	40521000	13.17 Miles	5	Copper	B		12/22/2005
Cyanide							
				Indicator Bacteria	A	01/01/2019	
				Lead	B		12/22/2005
				Selenium	A	01/01/2021	
				Trash	B		07/24/2008
Cabrillo Beach (Outer)	40512000	0.58 Miles	5	DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	
<i>Fish consumption advisory for DDT.</i>							
				Indicator Bacteria	B		06/19/2003
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
<i>Fish consumption advisory for PCBs.</i>							
Calleguas Creek Reach 1 (was Mugu Lagoon on 1998 303(d) list)	40311000	343.79 Acres	4A	Chlordane (tissue)	B		01/01/2005
Copper							
					B		03/23/2007

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WATER BODY NAME	CALIFORNIA WATER WATERSHED	ESTIMATED SIZE OF AFFECTED AREA	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS*	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Calleguas Creek Reach 2 (estuary to Potrero Rd-was Calleguas Creek Reaches 1 and 2 on 1998 303d list)	40312000	4.31 Miles	5	DDT (tissue & sediment)	B		01/01/2005
				Dieldrin	B		03/14/2006
				Endosulfan (tissue)	B		03/24/2006
				Mercury	B		03/26/2007
				Nickel	B		03/23/2007
				Nitrogen	B		06/20/2003
				PCBs (Polychlorinated biphenyls) (tissue)	B		01/01/2005
				Sediment Toxicity	B		01/01/2005
				Sedimentation/Siltation	B		01/01/1900
				Toxaphene	B		03/14/2006
				Zinc	B		03/23/2007
				Ammonia	B		06/20/2003
				ChemA (tissue)	B		03/24/2006
				<i>Historical use of pesticides and lubricants.</i>			
				Chlordane (tissue)	B		01/01/2005
				Copper, Dissolved	B		03/23/2007
				DDT	B		01/01/2005
				(Dichlorodiphenyltrichloroethane)			
				DDT (tissue & sediment)	B		01/01/2005
				Dieldrin	B		03/14/2006

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WATER BODY NAME	CALIFORNIA WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Calleguas Creek Reach 3 (Potrero Road upstream to confluence with Conejo Creek on 1998 303d list)	40312000	3.47 Miles	5	Endosulfan (tissue)	B	01/01/2006	03/24/2006
				Fecal Coliform	A	01/01/2006	
				<i>Area affected is at the mouth of the creek.</i>			
				Nitrogen	B		06/20/2003
				PCBs (Polychlorinated biphenyls) (tissue)	B		01/01/2005
				Sediment Toxicity	B		01/01/2005
				Sedimentation/Siltation	A	01/01/2005	
				Toxaphene (tissue & sediment)	B		01/01/2005
				Ammonia	B		01/01/2003
				Chlordane	B		03/14/2006
				Chloride	B		12/02/2008
				DDT	B		01/01/2019
				(Dichlorodiphenyltrichloroethane)			
				Dieldrin	B		01/01/2019
				Nitrate and Nitrite	B		06/20/2003
				PCBs (Polychlorinated biphenyls)	B		03/14/2006
				Sedimentation/Siltation	A	01/01/2005	
				Total Dissolved Solids	B		12/02/2008

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WATER BODY NAME	CAL WATER WATERSHED	ESTIMATED INTEGRATED SIZE AFFECTED	REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS*	EXPECTED		DATE			
						TMDL	COMPLETION DATE				
Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue on 1998 303d list)	40311000	7.19 Miles	5	Toxaphene	B			01/01/2019			
				Trash	A			01/01/2021			
				ChemA (tissue)	B			03/24/2006			
				<i>Historical use of pesticides and lubricants.</i>							
				Chlordane (tissue & sediment)	B			01/01/2005			
				Chlorpyrifos (tissue)	B			01/01/2005			
				<i>Chlorpyrifos also exceeds in water.</i>							
				DDT (tissue & sediment)	B			01/01/2005			
				Diazinon	B			03/14/2006			
				Dieldrin (tissue)	B			01/01/2005			
				Endosulfan (tissue & sediment)	B			03/24/2006			
				Fecal Coliform	A			01/01/2006			
				Nitrate as Nitrate (NO3)	B			01/01/2003			
				Nitrogen	B			06/20/2003			
				PCBs (Polychlorinated biphenyls) (tissue)	B			01/01/2005			
				Sedimentation/Siltation	A			01/01/2005			
				Selenium	B			03/23/2007			
				Toxaphene (tissue & sediment)	B			01/01/2005			

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WATER BODY NAME	CALIFORNIA WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	USEPA APPROVED TMDL DATE
Calleguas Creek Reach 5 (was Beardsley Channel on 1998 303d list)	40311000	4.34 Miles	5	Toxicity	B		01/01/2005
				Trash	B		02/27/2008
				ChemA (tissue)	B		03/24/2006
				Chlordane (tissue & sediment)	B		01/01/2005
				Chlorpyrifos (tissue)	B		01/01/2005
				<i>Chlorpyrifos also exceeds in water.</i>			
				DDT (tissue & sediment)	B		01/01/2005
				Diazinon	B		03/14/2006
				Dieldrin (tissue)	B		01/01/2005
				Endosulfan (tissue & sediment)	B		03/24/2006
				Nitrogen	B		06/20/2003
				PCBs (Polychlorinated biphenyls) (tissue)	B		01/01/2005
				Sedimentation/Siltation	A	01/01/2005	
Toxicity Trash				Toxaphene (tissue & sediment)	B		01/01/2005
					B		01/01/2005
					B		02/27/2008

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Calleguas Creek Reach 6 (was Arroyo Las Posas Reaches 1 and 2 on 1998 303d list)	40362000	15.3 Miles	5	Ammonia	B		06/20/2003
				Chlordane	B		03/14/2006
				Chloride	B		12/02/2008
				Chlorpyrifos	B		03/14/2006
				DDT (sediment)	B		01/01/2005
				Diazinon	B		03/14/2006
				Dieldrin	B		03/14/2006
				Fecal Coliform	A	01/01/2006	
				Nitrate and Nitrite	B		06/20/2003
				Nitrate as Nitrate (NO3)	B		06/20/2003
				Sedimentation/Siltation	A	01/01/2005	
				Sulfates	B		12/02/2008
				Total Dissolved Solids	B		12/02/2008
				Toxicity	B		03/14/2006
Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on 1998 303d list)	40367000	13.91 Miles	5	Ammonia	B		06/20/2003
				Boron	B		12/02/2008
				Chloride	B		12/02/2008
				Chlorpyrifos	B		03/14/2006
				Diazinon	B		03/14/2006
				Indicator Bacteria	A	01/01/2019	

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WATER BODY NAME	CALIFORNIA WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Calleguas Creek Reach 8 (was Tapo Canyon Reach 1)	40366000	7.19 Miles	5	Organophosphorus Pesticides	B	01/01/2005	01/01/2005
				Sedimentation/Siltation	A	01/01/2005	
				Sulfates	B		12/02/2008
				Total Dissolved Solids	B		12/02/2008
				Toxicity	B		03/14/2006
				Trash	A	01/01/2021	
				Boron	B		12/02/2008
				Chlordane	B		03/14/2006
				Chloride	B		12/02/2008
				Chlorpyrifos	B		03/14/2006
				DDT	B		03/14/2006
				(Dichlorodiphenyltrichloroethane) e)			
				Diazinon	B		03/14/2006
				Dieldrin	B		03/14/2006
				PCBs (Polychlorinated biphenyls)	B		03/14/2006
				Sedimentation/Siltation	A	01/01/2005	
				Sulfates	B		12/02/2008
				Total Dissolved Solids	B		12/02/2008
				Toxaphene	B		03/14/2006

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WATER BODY NAME	CALIFORNIA WATERSHED	ESTIMATED INTEGRATED SIZE AFFECTED	REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Calleguas Creek Reach 9A (was lower part of Conejo Creek Reach 1 on 1998 303d list)	40312000	1.68 Miles	5	ChemA (tissue)	B		03/24/2006
				Chlordane (tissue)	B		01/01/2005
				<i>Historical use of pesticides and lubricants.</i>			
				Chlorpyrifos	B		03/14/2006
				DDT (tissue)	B		01/01/2005
				Diazinon	B		03/14/2006
				Dieldrin (tissue)	B		01/01/2005
				<i>Historical use of pesticides and lubricants.</i>			
				Endosulfan (tissue)	B		03/24/2006
				Fecal Coliform	A	01/01/2006	
				Lindane/gamma-	B		03/24/2006
				Hexachlorocyclohexane (gamma- HCH) (tissue)			
				<i>Historical use of pesticides and lubricants.</i>			
				Nitrate as Nitrate (NO3)	B		06/20/2003
				Nitrogen, Nitrate	B		06/20/2003
				PCBs (Polychlorinated biphenyls) (tissue)	B		01/01/2005
				<i>Historical use of pesticides and lubricants.</i>			
				Sulfates	B		12/02/2008
				Total Dissolved Solids	B		12/02/2008
				Toxaphene (tissue & sediment)	B		01/01/2005

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WATER BODY NAME	CALIFORNIA WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED		DATE	
						TMDL	COMPLETION	TMDL	USEPA
							DATE		
Calleguas Creek Reach 9B (was part of Conejo Creek Reaches 1 and 2 on 1998 303d list)	40363000	6.2 Miles	5	Toxicity	B				03/14/2006
				Trash	A		01/01/2021		
				Ammonia	B				06/20/2003
				ChemA (tissue)	B				03/24/2006
				Chlordane	B				03/14/2006
				Chloride	B				12/02/2008
				Chlorpyrifos	B				03/14/2006
				DDT (tissue)	B				01/01/2005
				Diazinon	B				03/14/2006
				Dieldrin	B				03/14/2006
				Endosulfan (tissue)	B				03/24/2006
				Indicator Bacteria	A		01/01/2019		
				PCBs (Polychlorinated biphenyls)	B				03/14/2006
				Sulfates	B				12/02/2008
				Total Dissolved Solids	B				12/02/2008
				Toxaphene (tissue & sediment)	B				01/01/2005
Toxicity				Toxicity	B				03/14/2006
				Trash	A		01/01/2021		

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Calleguas Creek Reach 10 (Conejo Creek (Hill Canyon))-was part of Conejo Crk Reaches 2 & 3, and lower Conejo Crk/Arroyo Conejo N Fk on 1998 303d list)	40364000	2.96 Miles	5	Ammonia	B		01/01/2002
				ChemA (tissue)	B		03/24/2006
				Chlordane	B		03/14/2006
				Chloride	B		12/02/2008
				Chlorpyrifos	B		03/14/2006
				DDT (tissue)	B		01/01/2005
				Diazinon	B		03/14/2006
				Dieldrin	B		03/14/2006
				Endosulfan (tissue)	B		03/24/2006
				Fecal Coliform	A	01/01/2006	
				Nitrogen, Nitrite	B		06/20/2003
				PCBs (Polychlorinated biphenyls)	B		03/14/2006
				Sulfates	B		12/02/2008
				Total Dissolved Solids	B		12/02/2008
				Toxaphene (tissue & sediment)	B		01/01/2005
				Toxicity	B		01/01/2005
				Trash	A	01/01/2021	

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WATER BODY NAME	CALIFORNIA WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Calleguas Creek Reach 11 (Arroyo Santa Rosa, was part of Conejo Creek Reach 3 on 1998 303d list)	40365000	8.69 Miles	5	Ammonia	B		06/20/2003
				ChemA (tissue)	B		03/24/2006
				Chlordane	B		03/14/2006
				DDT (tissue)	B		01/01/2005
				Dieldrin	B		03/14/2006
				Endosulfan (tissue)	B		03/24/2006
				Fecal Coliform	A	01/01/2006	
				PCBs (Polychlorinated biphenyls)	B		03/14/2006
				Sedimentation/Siltation	A	01/01/2005	
				Sulfates	B		12/02/2008
				Total Dissolved Solids	B		12/02/2008
				Toxaphene (tissue & sediment)	B		01/01/2005
				Toxicity	B		01/01/2005
Calleguas Creek Reach 12 (was Conejo Creek/Arroyo Conejo North Fork on 1998 303d list)	40364000	5.49 Miles	4A	Ammonia	B		06/20/2003
				Chlordane (tissue)	B		01/01/2005
				DDT (tissue)	B		01/01/2005

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Calleguas Creek Reach 13 (Conejo Creek South Fork, was Conejo Cr Reach 4 and part of Reach 3 on 1998 303d list)	40368000	17.15 Miles	4A	Dieldrin	B		03/14/2006
				PCBs (Polychlorinated biphenyls)	B		03/14/2006
				Sulfates	B		12/02/2008
				Total Dissolved Solids	B		12/02/2008
				Toxaphene	B		03/14/2006
				Ammonia	B		06/20/2003
				ChemA (tissue)	B		03/24/2006
				Chlordane	B		03/14/2006
				Chloride	B		12/02/2008
				DDT (tissue)	B		01/01/2005
				Dieldrin	B		03/14/2006
				Endosulfan (tissue)	B		03/24/2006
				PCBs (Polychlorinated biphenyls)	B		03/14/2006
				Sulfates	B		12/02/2008
				Total Dissolved Solids	B		12/02/2008
				Toxaphene (tissue & sediment)	B		01/01/2005
				Toxicity	B		01/01/2005

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WATER BODY NAME	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL		
Canada Larga (Ventura River Watershed)	40210010	8.01 Miles	5	Fecal Coliform	A	01/01/2019			
<i>Horse stables, land use, cattle, and wildlife may be sources.</i>									
Carbon Beach	40416000	1.46 Miles	5	Low Dissolved Oxygen	A	01/01/2019			
				Total Dissolved Solids	A	01/01/2021			
				DDT	A	01/01/2019			
				(Dichlorodiphenyltrichloroethane)					
				<i>Fish Consumption Advisory for DDT.</i>					
Castlerock Beach	40513000	0.21 Miles	5	Indicator Bacteria	B		06/19/2003		
				PCBs (Polychlorinated biphenyls)	A	01/01/2019			
				<i>Fish Consumption Advisory for PCBs.</i>					
				DDT	A	01/01/2019			
				(Dichlorodiphenyltrichloroethane)					
Channel Islands Harbor Beach	40311000	0.03 Miles	4A	<i>Fish Consumption Advisory for DDT.</i>					
				Indicator Bacteria	B		06/19/2003		
				PCBs (Polychlorinated biphenyls)	A	01/01/2019			
				<i>Fish Consumption Advisory for PCBs.</i>					
				Indicator Bacteria	B		12/08/2008		
Colorado Lagoon	40512000	13.23 Acres	5	Chlordane (tissue & sediment)	A	01/01/2019			
				DDT (tissue)	A	01/01/2019			

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WATER BODY NAME	CALWATER WATERSHED	ESTIMATED INTEGRATED REPORT		POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS*	EXPECTED		DATE			
		SIZE AFFECTED	CATEGORY			TMDL COMPLETION DATE	USEPA APPROVED TMDL				
Compton Creek	40515010	8.51 Miles	5	Dieldrin (tissue)	A	01/01/2019					
				Indicator Bacteria	A	01/01/2019					
				<i>This listing includes the north, center, and south areas of the lagoon.</i>							
				Lead (sediment)	A	01/01/2019					
				PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)	A	01/01/2019					
				PCBs (Polychlorinated biphenyls) (tissue)	A	01/01/2019					
				Sediment Toxicity	A	01/01/2019					
				Zinc (sediment)	A	01/01/2019					
				Benthic-Macroinvertebrate Bioassessments	A	01/01/2021					
				Coliform Bacteria	A	01/01/2009					
Coyote Creek	40515010	13.31 Miles	5	Copper	B			12/22/2005			
				Lead	B			12/22/2005			
				Trash	B			07/24/2008			
				pH	B			03/18/2004			
				Ammonia	C						
				Benthic-Macroinvertebrate Bioassessments	A	01/01/2021					
				Copper, Dissolved	B			03/27/2007			
				Diazinon	A	01/01/2019					
				Indicator Bacteria	A	01/01/2009					
				Lead	B			03/27/2007			
				pH	A	01/01/2019					
				Toxicity	A	01/01/2008					
<i>This listing was made by USEPA for 2002.</i>											

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WATER BODY NAME	CAL WATER WATERSHED	ESTIMATED INTEGRATED SIZE AFFECTED	REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Coyote Creek, North Fork	40515010	5 Miles	5	Indicator Bacteria	A	01/01/2021	
Crystal Lake	40543000	3.71 Acres	5	Selenium	A	01/01/2021	
				Organic Enrichment/Low Dissolved Oxygen	A	01/01/2019	
Dan Blocker Memorial (Coral) Beach	40431000	2.1 Miles	4A	Coliform Bacteria	B	01/01/2002	
<i>(This listing includes the area of the beach at Latigo Beach and Solstice Canyon.)</i>							
Dockweiler Beach	40512000	4.61 Miles	4A	Indicator Bacteria	B	06/19/2003	
Dominguez Channel (lined portion above Vermont Ave)	40351000	6.7 Miles	5	Ammonia	A	01/01/2019	
				Copper	A	01/01/2019	
				Diazinon	A	01/01/2021	
				Indicator Bacteria	A	01/01/2007	
				Lead	A	01/01/2019	
				Toxicity	A	01/01/2021	
				Zinc	A	01/01/2019	
Dominguez Channel Estuary (unlined portion below Vermont Ave)	40512000	140 Acres	5	Ammonia	A	01/01/2019	
				Benthic Community Effects	A	01/01/2019	
				Benzo(a)pyrene (3,4-Benzopyrene -7-d)	A	01/01/2019	
				Benzo[a]anthracene	A	01/01/2019	

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WATER BODY NAME	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS*	EXPECTED TMDL DATE	DATE USEPA APPROVED TMDL
				Chlordane (tissue)	A	01/01/2019	
				Chrysene (C1-C4)	A	01/01/2019	
				Coliform Bacteria	A	01/01/2007	
				DDT (tissue & sediment)	A	01/01/2019	
				Dieldrin (tissue)	A	01/01/2019	
				Lead (tissue)	A	01/01/2019	
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
				Phenanthrene	A	01/01/2019	
				Pyrene	A	01/01/2019	
				Sediment Toxicity	A	01/01/2021	
				Zinc (sediment)	A	01/01/2019	
Dry Canyon Creek	40521000	3.92 Miles	5	Fecal Coliform	A	01/01/2009	12/22/2005
				Selenium, Total	B		01/01/2005
Duck Pond Agricultural Drains/Mugu Drain/Oxnard Drain No 2	40311000	11.86 Miles	4A	ChemA (tissue)	B		
				Chlordane (tissue)	B		01/01/2005
				DDT (tissue & sediment)	B		01/01/2005
				Nitrogen	B		06/20/2003
				Sediment Toxicity	B		01/01/2005
				Toxaphene (tissue)	B		01/01/2005
				Toxicity	B		01/01/2005
Echo Park Lake	40515010	12.95 Acres	5	Algae	A	01/01/2019	
				Ammonia	A	01/01/2019	

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WATER BODY NAME	CAL WATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
El Dorado Lakes	40515010	31.04 Acres	5	Copper	A	01/01/2019	
				Eutrophic	A	01/01/2019	
				Lead	A	01/01/2019	
				Odor	A	01/01/2019	
				PCBs (Polychlorinated biphenyls) (tissue)	A	01/01/2019	
				Trash	A	01/01/2007	
				pH	A	01/01/2019	
				Algae	A	01/01/2019	
				Ammonia	A	01/01/2019	
				Copper	A	01/01/2019	
Elizabeth Lake	40351000	123.18 Acres	5	Eutrophic	A	01/01/2019	
				Organic Enrichment/Low Dissolved Oxygen	A	01/01/2019	
				Trash	B		02/27/2008
				pH	A	01/01/2019	
				DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	
Escondido Beach	40434000	1.21 Miles	5	Fish Consumption Advisory for DDT. Indicator Bacteria	B		06/19/2003

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WATER BODY NAME	CALIFORNIA WATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT Relevant Notes	TMDL REQUIREMENT STATUS*	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
PCBs (Polychlorinated biphenyls)							
Fish Consumption Advisory for PCBs.							
Flat Rock Point Beach Area	40511000	0.11 Miles	5	DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	
Fish Consumption Advisory for DDT.							
				Indicator Bacteria	B		06/19/2003
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
Fish Consumption Advisory for PCBs.							
Fox Barranca (tributary to Calleguas Creek Reach 6)	40362000	6.72 Miles	4A	Boron	B		12/02/2008
Nitrate and Nitrite Sulfates							
				Total Dissolved Solids	B		06/20/2003
				Indicator Bacteria	B		12/02/2008
Hermosa Beach	40512000	1.98 Miles	4A	Indicator Bacteria	B		06/19/2003
Hobie Beach (Channel Islands Harbor)	40311000	0.1 Miles	4A	Indicator Bacteria	B		12/18/2008
Hopper Creek	40341000	13.38 Miles	5	Sulfates	A	01/01/2019	
Total Dissolved Solids							
				DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	
Inspiration Point Beach	40511000	0.14 Miles	5	DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	
Fish Consumption Advisory for DDT.							
				Indicator Bacteria	B		06/19/2003

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WATER BODY NAME	CAL WATER WATERSHED	ESTIMATED INTEGRATED SIZE AFFECTED	REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDE REQUIREMENT STATUS	EXPECTED TMDE COMPLETION DATE	DATE USEPA APPROVED
PCBs (Polychlorinated biphenyls)							
<i>Fish Consumption Advisory for PCBs.</i>							
La Costa Beach	40416000	0.74 Miles	5	DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	
<i>Fish Consumption Advisory for DDT.</i>							
				Indicator Bacteria	B		06/19/2003
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
<i>Fish Consumption Advisory for PCBs.</i>							
Lake Calabasas	40521000	18.01 Acres	5	Ammonia	A	01/01/2006	
				Eutrophic	A	01/01/2019	
				Odor	A	01/01/2019	
				Organic Enrichment/Low Dissolved Oxygen	A	01/01/2019	
				pH	A	01/01/2019	
Lake Hughes	40351000	21.43 Acres	5	Algae	A	01/01/2019	
				Eutrophic	A	01/01/2019	
				Fish Kills	A	01/01/2019	
				Odor	A	01/01/2019	
				Trash	B		02/27/2008
Lake Lindero	40423000	14.64 Acres	5	Algae	B		03/21/2003
				Chloride	A	01/01/2019	
				Eutrophic	B		03/21/2003
				Odor	B		03/21/2003
				Selenium	A	01/01/2019	

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WATER BODY NAME	CALIFORNIA WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Lake Sherwood	40426000	135.07 Acres	5	Specific Conductivity Trash Algae	A A B	01/01/2019 01/01/2019	03/21/2003
				Ammonia	B		03/21/2003
				Eutrophic	B		03/21/2003
				Mercury (tissue)	A	01/01/2019	
				Organic Enrichment/Low Dissolved Oxygen	B		03/21/2003
Las Flores Beach	40415000	1.12 Miles	5	Coliform Bacteria DDT (Dichlorodiphenyltrichloroethane)	B A	01/01/2019	06/19/2003
				<i>Fish Consumption Advisory for DDT.</i> PCBs (Polychlorinated biphenyls)	A	01/01/2019	
Las Tunas Beach	40412000	1.15 Miles	5	<i>Fish Consumption Advisory for PCBs.</i> DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	
				<i>Fish Consumption Advisory for DDT.</i> Indicator Bacteria PCBs (Polychlorinated biphenyls)	B A	01/01/2019	06/19/2003
Las Virgenes Creek	40422010	11.62 Miles	5	<i>Fish Consumption Advisory for PCBs.</i> Benthic-Macroinvertebrate Bioassessments	A	01/01/2021	

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WATER BODY NAME	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS*	EXPECTED TMDL COMPLETION DATE		USEPA APPROVED DATE	
						DATE	TMDL	DATE	TMDL
Legg Lake	40531000	24.76 Acres	5	Coliform Bacteria	B			01/01/2005	
				Invasive Species	A	01/01/2021			
				Nutrients (Algae)	B			03/21/2003	
				Organic Enrichment/Low Dissolved Oxygen	B			03/21/2003	
				Scum/Foam-unnatural	B			03/21/2003	
				Sedimentation/Siltation	A	01/01/2019			
				Selenium	A	01/01/2019			
				Trash	A	01/01/2019			
				Ammonia	A	01/01/2019			
				Copper	A	01/01/2019			
Leo Carillo Beach (South of County Line)	40444000	1.77 Miles	4A	Lead	A	01/01/2019			
				Odor	A	01/01/2019			
				Trash	B			02/27/2008	
				pH	A	01/01/2019			
				Coliform Bacteria	B			06/19/2003	
Lincoln Park Lake	40515010	3.75 Acres	5	Ammonia	A	01/01/2019			
				Eutrophic	A	01/01/2019			
				Lead	A	01/01/2019			
				Odor	A	01/01/2019			
				Organic Enrichment/Low Dissolved Oxygen	A	01/01/2019			
				Trash	A	01/01/2007			
Lindero Creek Reach 1	40423000	2.98 Miles	5	Algae	B			03/21/2003	

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WATER BODY NAME	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS*	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Lindero Creek Reach 2 (Above Lake)	40425000	4.49 Miles	5	Benthic-Macroinvertebrate	A	01/01/2021	
				Bioassessments			
				Coliform Bacteria	B		01/01/2005
				Invasive Species	A	01/01/2021	
				Scum/Foam-unnatural	B		03/21/2003
				Selenium	A	01/01/2019	
				Trash	A	01/01/2019	
Long Beach City Beach	40512000	4.7 Miles	5	Algae	B		03/21/2003
				Coliform Bacteria	B		01/01/2005
				Scum/Foam-unnatural	B		03/21/2003
				Selenium	A	01/01/2019	
				Trash	A	01/01/2019	
				Indicator Bacteria	A	01/01/2019	
This listing includes the beach area at 3rd pl., 5th pl., 10th pl., 16th pl., 36th pl., 72nd pl., Coronado ave., Molino ave., and the east side and west side of Belmont Pier.							
Long Point Beach	40511000	0.7 Miles	5	Coliform Bacteria	B		06/19/2003
				DDT	A	01/01/2019	
				(Dichlorodiphenyltrichloroethane)			
				Fish Consumption Advisory for DDT.			
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
Fish Consumption Advisory for PCBs.							

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WATER BODY NAME	CALIFORNIA WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS*	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
<i>Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.</i>							
PCBs (Polychlorinated biphenyls) (tissue & sediment)					A	01/01/2019	
<i>Fish Consumption Advisory for PCBs.</i>							
Phenanthrene					A	01/01/2008	
Pyrene					A	01/01/2008	
Sediment Toxicity					A	01/01/2019	
Toxaphene (tissue)					A	01/01/2019	
Zinc (sediment)					A	01/01/2019	
<i>Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.</i>							
Los Angeles Harbor -	40518000	91 Acres	5	Benzo(a)pyrene (3,4-	A	01/01/2008	
Fish Harbor				Benzopyrene -7-d)			
				Benzo[a]anthracene	A	01/01/2019	
				Chlordane	A	01/01/2019	
				Chrysene (C1-C4)	A	01/01/2019	
				Copper	A	01/01/2019	
				DDT	A	01/01/2019	
				(Dichlorodiphenyltrichloroethan e)			
				Dibenz[a,h]anthracene	A	01/01/2019	
				Lead	A	01/01/2019	
				Mercury	A	01/01/2019	
				PAHs (Polycyclic Aromatic Hydrocarbons)	A	01/01/2019	

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WATER BODY NAME	CALIFORNIA WATERSHED	ESTIMATED INTEGRATED REPORT		POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL		DATE USEPA APPROVED
		SIZE AFFECTED	CATEGORY			DATE	TMDL	
Los Angeles Harbor - Inner Cabrillo Beach Area	40512000	82 Acres	5	PCBs (Polychlorinated biphenyls)	A	01/01/2019		
				Phenanthrene	A	01/01/2019		
				Pyrene	A	01/01/2019		
				Sediment Toxicity	A	01/01/2019		
				Zinc	A	01/01/2019		
				DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019		
Los Angeles River Estuary (Queensway Bay)	40512000	207 Acres	5	<i>Fish Consumption Advisory for DDT.</i>				01/01/2004
				Indicator Bacteria	B			
				PCBs (Polychlorinated biphenyls)	A	01/01/2019		
				<i>Fish Consumption Advisory for PCBs.</i>				
				Chlordane (sediment)	A	01/01/2019		
				<i>Historical use of pesticides and lubricants.</i>				
				DDT (sediment)	A	01/01/2019		
				<i>Historical use of pesticides and lubricants.</i>				
				PCBs (Polychlorinated biphenyls) (sediment)	A	01/01/2019		
				<i>Historical use of pesticides and lubricants.</i>				
				Sediment Toxicity	A	01/01/2019		
				Trash	B			07/24/2008

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WATER BODY NAME	GAL WATER WATERSHED	ESTIMATED INTEGRATED SIZE AFFECTED	REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS*	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Los Angeles River Reach 1 (Estuary to Carson Street)	40512000	3.37 Miles	5	Ammonia	B		03/18/2004
				Cadmium	B		12/22/2005
				Coliform Bacteria	A	01/01/2009	
				Copper, Dissolved	B		12/22/2005
				Cyanide	A	01/01/2019	
				Diazinon	A	01/01/2019	
				Lead	B		12/22/2005
				Nutrients (Algae)	B		03/18/2004
				Trash	B		07/24/2008
				Zinc, Dissolved	B		12/22/2005
				pH	B		01/01/2003
Los Angeles River Reach 2 (Carson to Figueroa Street)	40515010	18.8 Miles	5	Ammonia	B		03/18/2004
				Coliform Bacteria	A	01/01/2009	
				Copper	B		12/22/2005
				Lead	B		12/22/2005
				Nutrients (Algae)	B		03/18/2004
				Oil	A	01/01/2019	
				Trash	B		07/24/2008
Los Angeles River Reach 3 (Figueroa St. to Riverside Dr.)	40521000	7.94 Miles	4A	Ammonia	B		03/18/2004
				Copper	B		12/22/2005
				Lead	B		12/22/2005

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Los Angeles River Reach 4 (Sepulveda Dr. to Sepulveda Dam)	40521000	11.06 Miles	5	Nutrients (Algae)	B		03/18/2004
				Trash	B		07/24/2008
				Ammonia	B		03/18/2004
Los Angeles River Reach 5 (within Sepulveda Basin)	40521000	1.9 Miles	5	Coliform Bacteria	A	01/01/2009	
				Copper	B		12/22/2005
				Lead	B		12/22/2005
				Nutrients (Algae)	B		03/18/2004
				Trash	B		07/24/2008
Los Angeles River Reach 6 (Above Sepulveda Flood Control Basin)	40521000	6.99 Miles	5	Ammonia	B		03/18/2004
				Copper	B		12/22/2005
				Lead	B		12/22/2005
				Nutrients (Algae)	B		03/18/2004
				Oil	A	01/01/2019	
Los Angeles/Long Beach Inner Harbor	40518000	3003 Acres	5	Trash	B		07/24/2008
				Coliform Bacteria	A	01/01/2009	
				Selenium	B		12/22/2005
Benthic Community Effects				Beach Closures	A	01/01/2004	
					A	01/01/2019	

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WATER BODY NAME	CALIFORNIA WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS*	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Los Angeles/Long Beach Outer Harbor (inside breakwater)	40512000	4042 Acres	5	Benzo(a)pyrene (3,4- Benzopyrene -7-d)	A	01/01/2021	
				Chrysene (C1-C4)	A	01/01/2021	
				Copper	A	01/01/2008	
				DDT	A	01/01/2019	
				(Dichlorodiphenyltrichloroethan e)			
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
				Sediment Toxicity	A	01/01/2009	
				Zinc	A	01/01/2008	
				DDT	A	01/01/2019	
				(Dichlorodiphenyltrichloroethan e)			
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
Los Cerritos Channel	40515010	30.5 Acres	5	Sediment Toxicity	A	01/01/2008	
				Ammonia	A	01/01/2019	
				Bis(2ethylhexyl)phthalate (DEHP)	A	01/01/2019	
				Chlordane (sediment)	A	01/01/2019	
				Coliform Bacteria	A	01/01/2019	
				Copper	A	01/01/2019	
				Lead	A	01/01/2019	
				Trash	A		
				Zinc	A	01/01/2019	
				Indicator Bacteria	B		
Lunada Bay Beach	40511000	0.63 Miles	4A				01/01/2002

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WATER BODY NAME	CALIFORNIA WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	IMDL REQUIREMENT STATUS	EXPECTED COMPLETION DATE	DATE USEPA APPROVED
Machado Lake (Harbor Park Lake)	40512000	44.98 Acres	5	Algae	B		03/11/2009
				Ammonia	B		03/11/2009
				ChemA (tissue)	A	01/01/2019	
				<i>Historical use of pesticides and lubricants.</i>			
				Chlordane (tissue)	A	01/01/2019	
				<i>Fish Consumption Advisory.</i>			
				DDT (tissue)	A	01/01/2019	
				<i>Fish Consumption Advisory.</i>			
				Dieldrin (tissue)	A	01/01/2019	
				Eutrophic	B		03/11/2009
				Odor	B		03/11/2009
				PCBs (Polychlorinated biphenyls) (tissue)	A	01/01/2019	
				Trash	B		03/06/2008
Malaga Cove Beach	40511000	0.39 Miles	5	DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	
				<i>Fish Consumption Advisory for DDT.</i>			
				Indicator Bacteria	B		01/01/2002
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
				<i>Fish Consumption Advisory for PCBs.</i>			
Malibou Lake	40424000	39.51 Acres	4A	Algae	B		03/21/2003
				Eutrophic	B		03/21/2003
				Organic Enrichment/Low Dissolved Oxygen	B		03/21/2003

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WATER BODY NAME	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED
Malibu Beach	40421000	0.77 Miles	5	DDT (Dichlorodiphenyltrichloroethane) e)	A	01/01/2019	
<i>Fish Consumption Advisory for DDT.</i>							
Malibu Creek	40421000	10.85 Miles	5	Indicator Bacteria	B	01/01/2002	
				Benthic-Macroinvertebrate Bioassessments	A	01/01/2021	
				Coliform Bacteria	B		01/01/2002
				Fish Barriers (Fish Passage)	A	01/01/2019	
				Invasive Species	A	01/01/2021	
				Nutrients (Algae)	B		03/21/2003
				Scum/Foam-unnatural	B		03/21/2003
				Sedimentation/Siltation	A	01/01/2019	
				Selenium	A	01/01/2019	
				Sulfates	A	01/01/2019	
				Trash	A	01/01/2019	
Malibu Lagoon	40421000	14.72 Acres	5	Benthic Community Effects	C		
				Coliform Bacteria	B		01/01/2005
				Eutrophic	B		03/21/2003
				Swimming Restrictions	B		01/10/2006
				Viruses (enteric)	B		01/10/2006
				pH	A	01/01/2006	
<i>Possible sources might be septic systems, storm drains, and birds.</i>							
Malibu Lagoon Beach (Surfrider)	40421000	1.01 Miles	5	Coliform Bacteria	B		06/19/2003

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WATER BODY NAME	CAL WATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Revelant Notes</i>	TMDL REQUIREMENT STATUS*	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
DDT (Dichlorodiphenyltrichloroethane)							
e)							
<i>Fish Consumption Advisory for DDT.</i>							
PCBs (Polychlorinated biphenyls)							
<i>Fish Consumption Advisory for PCBs.</i>							
Manhattan Beach	40512000	2 Miles	4A	Indicator Bacteria	B		01/01/2002
Marina del Rey Harbor - Back Basins	40517000	390.91 Acres	5	Chlordane (tissue & sediment)	B		01/01/2005
Copper (sediment)							
DDT (tissue)							
A USEPA-approved TMDL has made a finding of non-impairment for this pollutant.							
Dieldrin (tissue)							
A USEPA-approved TMDL has made a finding of non-impairment for this pollutant.							
Fish Consumption Advisory							
Indicator Bacteria							
Lead (sediment)							
PCBs (Polychlorinated biphenyls) (tissue & sediment)							
<i>Historical use of pesticides, storm water runoff/aerial deposition from urban areas. Shellfish harvesting advisory for PCBs in tissue.</i>							
Sediment Toxicity							
Zinc (sediment)							

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Marina del Rey Harbor Beach	40517000	0.29 Miles	4A	Indicator Bacteria	B		03/18/2004
Matilija Creek Reach 1 (Jct. With N. Fork to Reservoir)	40220012	0.63 Miles	5	Fish Barriers (Fish Passage)	A	01/01/2019	
Matilija Creek Reach 2 (Above Reservoir)	40220010	14.52 Miles	5	Fish Barriers (Fish Passage)	A	01/01/2019	
Matilija Reservoir	40220012	120.89 Acres	5	Fish Barriers (Fish Passage)	A	01/01/2019	
McCoy Canyon Creek	40521000	4.02 Miles	5	Fecal Coliform	A	01/01/2009	
				Nitrate	A	01/01/2019	
				Nitrogen, Nitrate	A	01/01/2019	
				Selenium, Total	B		12/22/2005
McGrath Beach	40311000	1.7 Miles	4A	Coliform Bacteria	B		11/20/2003
McGrath Lake	40311000	20.14 Acres	5	Chlordane (sediment)	A	01/01/2019	
				DDT (sediment)	A	01/01/2019	
				Dieldrin (sediment)	A	01/01/2019	
				<i>Historical use of pesticides and lubricants, storm water runoff/aerial deposition from agricultural fields.</i>			
				Fecal Coliform	A	01/01/2019	
				PCBs (Polychlorinated biphenyls) (sediment)	A	01/01/2019	
				<i>Historical use of pesticides and lubricants, storm water runoff/aerial deposition from agricultural fields.</i>			
				Sediment Toxicity	A	01/01/2019	

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Medea Creek Reach 1 (Lake to Confl. with Lindero)	40424000	2.57 Miles	5	Algae	B		03/21/2003
				Coliform Bacteria	B		01/01/2005
				Sedimentation/Siltation	A	01/01/2019	
				Selenium	A	01/01/2019	
				Trash	A	01/01/2019	
Medea Creek Reach 2 (Abv Confl. with Lindero)	40423000	5.41 Miles	5	Algae	B		03/21/2003
				Benthic-Macroinvertebrate Bioassessments	A	01/01/2021	
				Coliform Bacteria	B		01/01/2005
				Invasive Species	A	01/01/2021	
				Sedimentation/Siltation	A	01/01/2019	
				Selenium	A	01/01/2019	
				Trash	A	01/01/2019	
Mint Canyon Creek Reach 1 (Confl to Rowler Cyn)	40351000	8.11 Miles	4A	Nitrate and Nitrite	B		03/18/2004
Monrovia Canyon Creek	40531000	3.36 Miles	4A	Lead	B		12/22/2005
Munz Lake	40351000	6.57 Acres	5	Eutrophic	A	01/01/2019	
				Trash	B		02/27/2008
Nicholas Canyon Beach	40444000	1.65 Miles	5	DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	

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<i>Fish Consumption Advisory for DDT.</i>							
Ormond Beach	40311000	3.1 Miles	5	Indicator Bacteria	B		01/01/2002
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
<i>Fish Consumption Advisory for PCBs.</i>							
				Indicator Bacteria	A	01/01/2015	
<i>This listing includes the area of Ormond Beach at Oxnard Drain.</i>							
Palo Comado Creek	40423000	6.76 Miles	4A	Coliform Bacteria	B		01/01/2005
Palo Verde Shoreline Park Beach	40511000	0.24 Miles	5	Pathogens	B		06/19/2003
				Pesticides	A	01/01/2019	
Paradise Cove Beach	40435000	1.66 Miles	5	DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	
<i>Fish consumption advisory for DDT.</i>							
				Fecal Coliform	B		06/19/2003
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
<i>Fish consumption advisory for PCBs.</i>							
Peck Road Park Lake	40531000	103.22 Acres	5	Chlordane (tissue)	A	01/01/2019	
				DDT (tissue)	A	01/01/2019	
				Lead	A	01/01/2019	
				Odor	A	01/01/2019	
				Organic Enrichment/Low Dissolved Oxygen	A	01/01/2019	
				Trash	A	01/01/2007	

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Peninsula Beach	40311000	0.15 Miles	5	Indicator Bacteria	A	01/01/2003	
<i>Area affected is beach area north of South Jetty.</i>							
Piru Creek (from gaging station below Santa Felicia Dam to headwaters)	40342000	67 Miles	5	Chloride	A	01/01/2019	
Point Dume Beach	40435000	2.5 Miles	5	pH	A	01/01/2019	
				DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	
				<i>Fish consumption advisory for DDT.</i>			
				Indicator Bacteria	B		01/01/2002
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
				<i>Fish consumption advisory for PCBs.</i>			
Point Fermin Park Beach	40512000	1.6 Miles	5	DDT	A	01/01/2019	
				(Dichlorodiphenyltrichloroethane)			
				<i>Fish consumption advisory for DDT.</i>			
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
				<i>Fish consumption advisory for PCBs.</i>			
				Total Coliform	B		01/01/2002
Point Vicente Beach	40511000	0.63 Miles	4A	Indicator Bacteria	B		01/01/2002
Pole Creek (trib to Santa Clara River Reach 3)	40331000	9.02 Miles	5	Sulfates	A	01/01/2019	

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WATER BODY NAME	CALIFORNIA WATER WATERSHED	ESTIMATED INTEGRATED SIZE AFFECTED	REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS*	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Total Dissolved Solids							
Port Hueneme Harbor (Back Basins)	40311000	64.8 Acres	4B	DDT (tissue)	A	01/01/2019	
				PCBs (Polychlorinated biphenyls) (tissue)	C		
Port Hueneme Pier	40311000	0.33 Miles	5	PCBs (Polychlorinated biphenyls)	A	01/01/2019	
Portuguese Bend Beach	40511000	1.4 Miles	5	DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	
<i>Fish Consumption Advisory for DDT.</i>							
Indicator Bacteria					B		01/01/2002
PCBs (Polychlorinated biphenyls)					A	01/01/2019	
<i>Fish Consumption Advisory for PCBs.</i>							
Promenade Park Beach	40210000	0.58 Miles	5	Indicator Bacteria	A	01/01/2015	
<i>Area affected is at south of drain at Figueroa Street.</i>							
Puddingstone Reservoir	40552000	243.08 Acres	5	Chlordane (tissue)	A	01/01/2019	
<i>DDT (tissue)</i>							
Mercury (tissue)					A	01/01/2019	
Organic Enrichment/Low Dissolved Oxygen					A	01/01/2019	
PCBs (Polychlorinated biphenyls) (tissue)					A	01/01/2019	
Puente Creek	40515010	5.8 Miles	5	Indicator Bacteria	A	01/01/2021	

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WATER BODY NAME	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Puerto Beach	40431000	0.5 Miles	5	Selenium	A	01/01/2021	
				DDT	A	01/01/2019	
				(Dichlorodiphenyltrichloroethane)			
				e)			
				<i>Fish Consumption Advisory for DDT.</i>			
				Indicator Bacteria	B		01/01/2002
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
				<i>Fish Consumption Advisory for PCBs.</i>			
Redondo Beach	40512000	1.49 Miles	5	Coliform Bacteria	B		06/19/2003
				DDT	A	01/01/2019	
				(Dichlorodiphenyltrichloroethane)			
				e)			
				<i>Fish Consumption Advisory for DDT.</i>			
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
				<i>Fish Consumption Advisory for PCBs.</i>			
Resort Point Beach	40511000	0.15 Miles	4A	Indicator Bacteria	B		01/01/2002
Rincon Beach	40100010	0.38 Miles	5	Indicator Bacteria	A	01/01/2015	
				<i>Area affected is 50 yards south of mouth of Rincon Creek.</i>			
Rio De Santa Clara/Oxnard Drain No. 3	40311000	1.92 Miles	5	ChemA (tissue)	A	01/01/2019	
				Chlordane (tissue)	A	01/01/2019	
				DDT (tissue)	A	01/01/2019	
				Nitrogen	B		06/20/2003

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WATER BODY NAME	CAL WATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED
Rio Hondo Reach 1 (Confl. LA River to Snt Ana Fwy)	40515010	4.55 Miles	5	PCBs (Polychlorinated biphenyls) (tissue) Sediment Toxicity Toxaphene (tissue) Coliform Bacteria	A A A A	01/01/2019 01/01/2019 01/01/2019 01/01/2009	
				Copper	B		12/22/2005
				Cyanide	A	01/01/2021	
				Lead	B		12/22/2005
				Toxicity	A	01/01/2021	
				Trash	B		07/24/2008
				Zinc	B		12/22/2005
				pH	B		03/18/2004
Rio Hondo Reach 2 (At Spreading Grounds)	40515010	4.92 Miles	5	Coliform Bacteria	A	01/01/2009	
Robert H. Meyer Memorial Beach	40441000	1.17 Miles	5	Beach Closures	B		06/19/2003
				DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	
				<i>Fish Consumption Advisory for DDT.</i>			
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
				<i>Fish Consumption Advisory for PCBs.</i>			

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Royal Palms Beach	40511000	1.14 Miles	5	DDT (Dichlorodiphenyltrichloroethan e) <i>Fish consumption advisory for DDT.</i>	A	01/01/2019	
San Antonio Creek (Tributary to Ventura River Reach 4)	40220023	9.79 Miles	5	Indicator Bacteria	B		01/01/2002
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
				<i>Fish consumption advisory for PCBs.</i>			
				Indicator Bacteria	A	01/01/2021	
San Buenaventura Beach	40210000	1.8 Miles	5	Nitrogen	A	01/01/2019	
				Total Dissolved Solids	A	01/01/2023	
				Indicator Bacteria	A	01/01/2015	
<i>This listing includes the area of San Buenaventura Beach at San Jon Rd.</i>							
San Gabriel River Estuary	40516000	3.36 Miles	5	Copper	B		03/27/2007
San Gabriel River Reach 1 (Estuary to Firestone)	40515010	6.37 Miles	5	Dioxin	A	01/01/2021	
				Nickel	A	01/01/2021	
				Oxygen, Dissolved	A	01/01/2021	
				Coliform Bacteria	A	01/01/2019	
				pH	A	01/01/2009	

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WATER BODY NAME	CALIFORNIA WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
San Gabriel River Reach 2 (Firestone to Whittier Narrows Dam)	40515010	12.28 Miles	5	Coliform Bacteria	A	01/01/2011	
				Cyanide	A	01/01/2021	
				Lead	B		03/27/2007
San Gabriel River Reach 3 (Whittier Narrows to Ramona)	40531000	7.16 Miles	5	Indicator Bacteria	A	01/01/2021	
San Gabriel River, East Fork	40543000	5.87 Miles	4A	Trash	B		01/01/1999
San Jose Creek Reach 1 (SG Confluence to Temple St.)	40531000	2.67 Miles	5	Ammonia	C		
				Benthic-Macroinvertebrate Bioassessments	A	01/01/2021	
				Coliform Bacteria	A	01/01/2009	
				Total Dissolved Solids	A	01/01/2021	
				Toxicity	A	01/01/2007	
				pH	A	01/01/2021	
San Jose Creek Reach 2 (Temple to I-10 at White Ave.)	40531000	17.27 Miles	5	Coliform Bacteria	A	01/01/2019	
San Pedro Bay Near/Off Shore Zones	40512000	8173 Acres	5	Chlordane	A	01/01/2019	
				DDT (tissue & sediment)	A	01/01/2019	
				<i>Fish Consumption Advisory for DDT.</i>			

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PCBs (Polychlorinated biphenyls)							
<i>Fish consumption advisory for PCBs.</i>							
Santa Clara River Estuary	40311000	49.06 Acres	5	Sediment Toxicity	A	01/01/2009	
				ChemA	A	01/01/2019	
				Coliform Bacteria	A	01/01/2019	
				Nitrogen, Nitrate	A	01/01/2021	
				Toxaphene	A	01/01/2019	
				Toxicity	A	01/01/2019	
Santa Clara River Estuary Beach-Surfers Knoll	40311000	1 Miles	5	Indicator Bacteria	A	01/01/2021	
Santa Clara River Reach 1 (Estuary to Hwy 101 Bridge)	40311000	10 Miles	5	Toxicity	A	01/01/2019	
Santa Clara River Reach 3 (Freeman Diversion to A Street)	40331000	31 Miles	5	Ammonia	B		03/18/2004
				Chloride	B		01/01/2002
				Total Dissolved Solids	A	01/01/2023	
				Toxicity	A	01/01/2021	

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Santa Clara River Reach 5 (Blue Cut gaging station to West Pier Hwy 99 Bridge) (was named Santa Clara River Reach 7 on 2002 303(d) list)	40351000	9.4 Miles	5	Chloride	B		01/01/2005
<i>Chloride was relisted by USEPA in 2002.</i>							
Santa Clara River Reach 6 (W Pier Hwy 99 to Bouquet Cyn Rd) (was named Santa Clara River Reach 8 on 2002 303(d) list)	40351000	5.2 Miles	5	Chlorodibromomethane	A	01/01/2021	
				Coliform Bacteria	A	01/01/2019	
				Dichlorobromomethane	A	01/01/2021	
				Iron	A	01/01/2021	
				Specific Conductivity	A	01/01/2021	
				Benthic-Macroinvertebrate Bioassessments	A	01/01/2021	
<i>Chloride was relisted by USEPA in 2002.</i>							
Chloride				Chloride	B		01/01/2005
				<i>Chloride was relisted by USEPA in 2002.</i>			
				Chlorodibromomethane	A	01/01/2021	
				Chlorpyrifos	A	01/01/2019	
				Coliform Bacteria	A	01/01/2019	
				Copper	A	01/01/2021	
Diazinon	A	01/01/2019					
Dichlorobromomethane	A	01/01/2021					

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Santa Clara River Reach 7 (Bouquet Canyon Rd to above Lang Gaging Station) (was named Santa Clara River Reach 9 on 2002 303(d) list)	40351000	21 Miles	5	Iron Specific Conductance Toxicity Coliform Bacteria	A A A A	01/01/2021 01/01/2021 01/01/2019 01/01/2019	
Santa Clara River Reach 11 (Piru Creek, from confluence with Santa Clara River Reach 4 to gaging station below Santa Felicia Dam)	40341000	6.2 Miles	5	Boron	A	01/01/2019	
Santa Fe Dam Park Lake	40531000	19.76 Acres	5	Copper	A	01/01/2019	
Santa Monica Bay Offshore/Nearshore	40513000	146645 Acres	5	Specific Conductance Sulfates Total Dissolved Solids Lead pH DDT (tissue & sediment)	A A A A A A	01/01/2021 01/01/2019 01/01/2021 01/01/2019 01/01/2019 01/01/2019	

Centered on Palos Verdes Shelf.

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Debris							
				Fish Consumption Advisory	A	01/01/2019	
				PCBs (Polychlorinated biphenyls) (tissue & sediment)	A	01/01/2019	
				Sediment Toxicity	A	01/01/2019	
Santa Monica Beach	40513000	3.04 Miles	4A	Indicator Bacteria	B		01/01/2002
Santa Monica Canyon	40513000	2.7 Miles	5	Indicator Bacteria	B		01/01/2002
				Lead	A	01/01/2019	
Sawpit Creek	40531000	3.9 Miles	5	Bis(2ethylhexyl)phthalate (DEHP)	A	01/01/2019	
				Fecal Coliform	A	01/01/2019	
Sea Level Beach	40441000	0.21 Miles	5	DDT	A	01/01/2019	
				(Dichlorodiphenyltrichloroethane)			
Fish Consumption Advisory for DDT.							
				Indicator Bacteria	B		01/01/2002
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
Fish Consumption Advisory for PCBs.							
Sepulveda Canyon	405.13	0.83 Miles	5	Ammonia	A	01/01/2019	
				Copper	B		12/22/2005
				Indicator Bacteria	B		02/20/2007
				Lead	B		12/22/2005
				Selenium	B		12/22/2005
				Zinc	B		12/22/2005

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Sespe Creek (from 500 ft below confluence with Little Sespe Cr to headwaters)	40332020	54 Miles	5	Chloride	A	01/01/2019	
Solstice Canyon Creek	40432000	4.8 Miles	5	pH	A	01/01/2019	
Stokes Creek	40422020	4.72 Miles	4A	Invasive Species	A	01/01/2021	01/01/2005
Surfers Point at Seaside	40210000	0.4 Miles	5	Coliform Bacteria	B		
				Indicator Bacteria	A	01/01/2015	
<i>Area affected is the end of the access path via a wooden gate.</i>							
Topanga Beach	40413000	2.5 Miles	5	Coliform Bacteria	B		06/19/2002
				DDT	A	01/01/2019	
				(Dichlorodiphenyltrichloroethane)			
				e)			
				<i>Fish Consumption Advisory for DDT.</i>			
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
				<i>Fish Consumption Advisory for PCBs.</i>			
Topanga Canyon Creek	40411000	8.55 Miles	5	Lead	A	01/01/2019	
Torrance Beach	40512000	1.08 Miles	4A	Coliform Bacteria	B		01/01/2002
Torrance Carson Channel	40512000	3.39 Miles	5	Coliform Bacteria	A	01/01/2007	
				Copper	A	01/01/2019	
				Lead	A	01/01/2019	
Torrey Canyon Creek	40341000	1.74 Miles	4A	Nitrate and Nitrite	B		03/18/2004

APPENDIX F

Revised on July 07, 2009

2008 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SECTIONS

WATER BODY NAME	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS*	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Trancas Beach (Broad Beach)	40437000	1.74 Miles	5	DDT (Dichlorodiphenyltrichloroethane)	A	01/01/2019	
				<i>Fish Consumption Advisory for DDT.</i>			
				Fecal Coliform	B		01/01/2002
				PCBs (Polychlorinated biphenyls)	A	01/01/2019	
				<i>Fish Consumption Advisory for PCBs.</i>			
Triunfo Canyon Creek Reach 1	40424000	2.51 Miles	5	Lead	A	01/01/2019	
				Mercury	A	01/01/2019	
				Sedimentation/Siltation	A	01/01/2019	
Triunfo Canyon Creek Reach 2	40424000	3.32 Miles	5	Benthic-Macroinvertebrate Bioassessments	A	01/01/2021	
				Lead	A	01/01/2019	
				Mercury	A	01/01/2019	
				Sedimentation/Siltation	A	01/01/2019	
Tujunga Wash (LA River to Hansen Dam)	40521000	9.68 Miles	5	Ammonia	B		03/18/2004
				Coliform Bacteria	A	01/01/2009	
				Copper	B		12/22/2005
				Trash	B		07/24/2008
Venice Beach	40513000	2.54 Miles	4A	Indicator Bacteria	B		01/01/2002
Ventura Harbor: Ventura Keys	40311000	178.78 Acres	5	Coliform Bacteria	A	01/01/2019	

2008 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SECTIONS

WATER BODY NAME	CALIFORNIA WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Ventura Marina Jetties	40311000	0.69 Miles	5	DDT (Dichlorodiphenyltrichloroethane) e)	A	01/01/2019	
Ventura River Estuary	40210011	0.2 Miles	5	PCBs (Polychlorinated biphenyls)	A	01/01/2019	
				Algae	A	01/01/2019	
				Eutrophic	A	01/01/2019	
				Total Coliform	A	01/01/2019	
				Stables and horse property may be the sources.			
				Trash	B		02/27/2008
Ventura River Reach 1 and 2 (Estuary to Weldon Canyon)	40210011	4.49 Miles	5	Algae	A	01/01/2019	
Ventura River Reach 3 (Weldon Canyon to Confl. w/ Coyote Cr)	40210011	2.82 Miles	5	Indicator Bacteria	A	01/01/2021	
				Pumping	A	01/01/2019	
				Water Diversion	A	01/01/2019	
Ventura River Reach 4 (Coyote Creek to Camino Cielo Rd)	40220021	19.22 Miles	5	Pumping	A	01/01/2019	
Verdugo Wash Reach 1 (LA River to Verdugo Rd.)	40521000	2.02 Miles	5	Water Diversion	A	01/01/2019	
				Coliform Bacteria	A	01/01/2009	
				Copper	A	01/01/2021	
				Trash	B		07/24/2008

2008 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SECTIONS

WATER BODY NAME	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS*	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Verdugo Wash Reach 2 (Above Verdugo Road)	40524000	7.55 Miles	5	Coliform Bacteria	A	01/01/2009	
Walnut Creek Wash (Drains from Puddingstone Res)	40531000	11.7 Miles	5	Trash Benthic-Macroinvertebrate Bioassessments	B A	01/01/2021	07/24/2008
Westlake Lake	40425000	118.98 Acres	5	Indicator Bacteria pH Algae	A A B	01/01/2021 01/01/2007	03/21/2003
Wheeler Canyon/Todd Barranca	40321000	10.09 Miles	5	Ammonia Eutrophic Lead Organic Enrichment/Low Dissolved Oxygen Nitrate and Nitrite	B B A B	01/01/2019	03/21/2003 03/21/2003 03/21/2003
Whites Point Beach	40511000	1.11 Miles	5	Sulfates Total Dissolved Solids DDT (Dichlorodiphenyltrichloroethane)	A A A	01/01/2019 01/01/2019 01/01/2019	03/18/2004
<i>Fish Consumption Advisory for DDT.</i>							
Indicator Bacteria					B		01/01/2002
PCBs (Polychlorinated biphenyls)					A	01/01/2019	

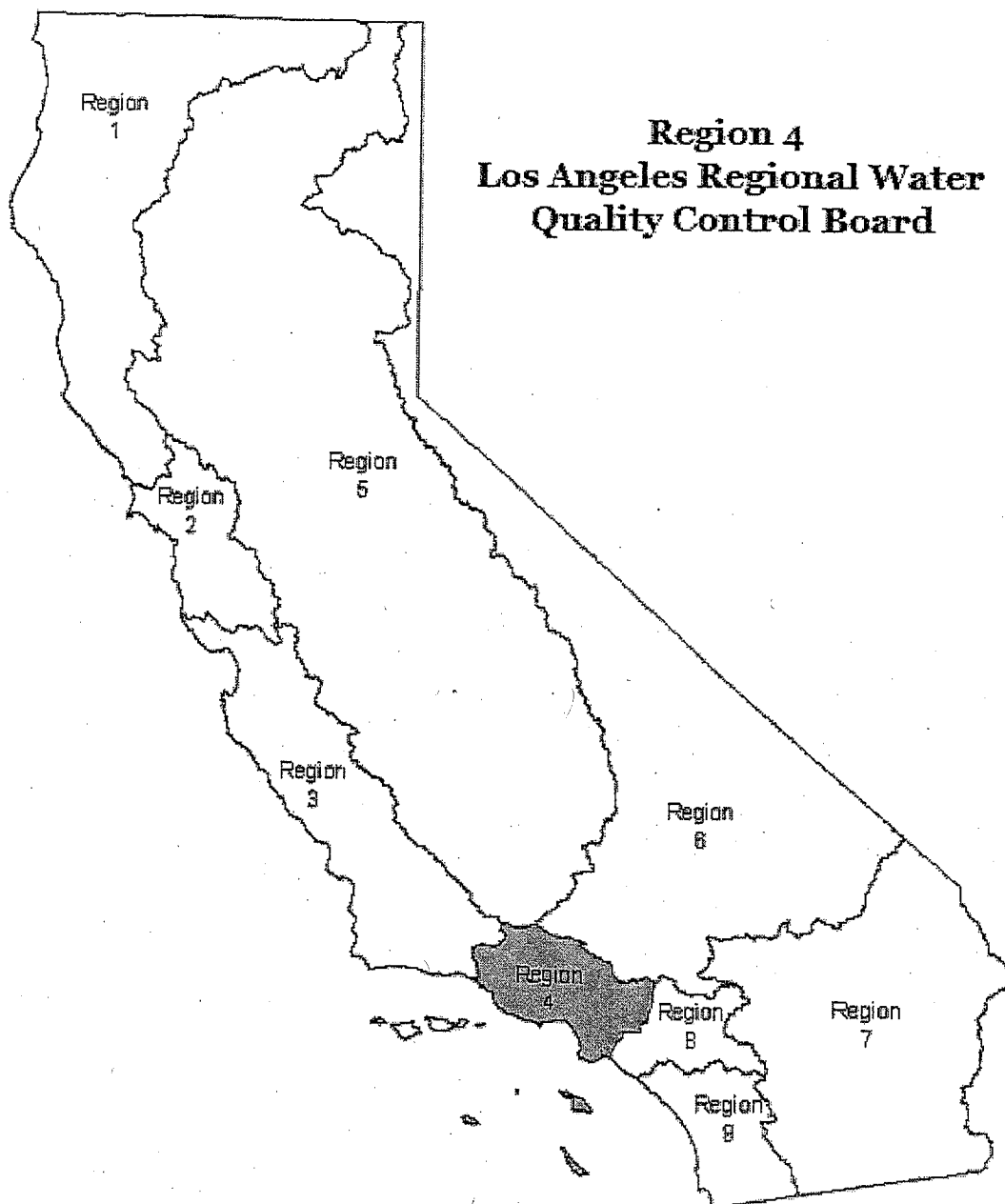
APPENDIX F

Revised on July 07, 2009

2008 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SECTIONS

WATER BODY NAME	CALWATER WATERSHED	ESTIMATED INTEGRATED REPORT		POLLUTANT <i>Relevant Notes</i>	TMDL REQUIREMENT STATUS	EXPECTED		DATE USEPA APPROVED
		SIZE AFFECTED	CATEGORY			TMDL	COMPLETION DATE	
Fish Consumption Advisory for PCBs.								
Will Rogers Beach	40513000	3.01 Miles	4A	Indicator Bacteria	B			01/01/2002
Wilmington Drain	40342000	0.56 Miles	5	Coliform Bacteria	A		01/01/2007	
				Copper	A		01/01/2019	
				Lead	A		01/01/2019	
Zuma Beach (Westward Beach)	40436000	1.59 Miles	5	DDT (Dichlorodiphenyltrichloroethane)	A		01/01/2019	
Fish Consumption Advisory for DDT.								
				Indicator Bacteria	B			01/01/2002
				PCBs (Polychlorinated biphenyls)	A		01/01/2019	
Fish Consumption Advisory for PCBs.								

**Draft 2008 California 303(d)/305(b) Integrated Report
Supporting Information**



Draft

Draft 2008 California 303(d)/305(b) Integrated Report

Supporting Information

REGIONAL BOARD 4 - LOS ANGELES REGION

- **New or Revised Fact Sheets**

These lines of evidence and/or decisions, which were developed during the last listing cycle, are new or have been revised.

- **Original Fact Sheets**

These lines of evidence and/or decisions were developed during the last listing cycle.

New or Revised Fact Sheets

Delist from 303(d) list (TMDL required list)

- Ballona Creek
 - Silver (sediment) (4341)
- Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue on 1998 303d list)
 - Boron (7544)
 - Sulfates (7546)
 - Total Dissolved Solids (7548)
- Calleguas Creek Reach 5 (was Beardsley Channel on 1998 303d list)
 - Dacthal (sediment) (7053)
- Channel Islands Harbor
 - Lead (sediment) (7048)
 - Zinc (sediment) (7049)
- Coyote Creek
 - Zinc (4967)
- Dominguez Channel (lined portion above Vermont Ave)
 - Dieldrin (tissue) (7180)
 - Sediment Toxicity (6851)
- Lake Calabasas
 - DDT (tissue) (7032)

- Los Angeles Harbor - Inner Cabrillo Beach Area
 - Copper (5382)
- Los Angeles River Estuary (Queensway Bay)
 - Lead (sediment) (5387)
 - Zinc (sediment) (7363)
- Los Angeles River Reach 6 (Above Sepulveda Flood Control Basin)
 - 1,1-Dichloroethylene (DCE)/ Vinylidene Chloride (7397)
 - Tetrachloroethylene/PCE (7400)
 - Trichloroethylene/TCE (7401)
- Malibu Lagoon
 - Shellfish Harvesting Advisory (7253)
- San Jose Creek Reach 1 (SG Confluence to Temple St.)
 - Selenium (6063)
- San Pedro Bay Near/Off Shore Zones
 - Chromium (sediment) (7290)
 - Copper (sediment) (7291)
 - PAHs (Polycyclic Aromatic Hydrocarbons) (sediment) (7292)
 - Zinc (sediment) (7293)
- Walnut Creek Wash (Drains from Puddingstone Res)
 - Toxicity (7325)
- Wilmington Drain
 - Ammonia (7114)

Delist from 303(d) list (being addressed by USEPA approved TMDL)

- Burbank Western Channel
 - Ammonia (4240)
- Rio Hondo Reach 2 (At Spreading Grounds)
 - Ammonia (4154)
- Santa Clara River Reach 5 (Blue Cut gaging station to West Pier Hwy 99 Bridge) (was named Santa Clara River Reach 7 on 2002 303(d) list)
 - Ammonia (7166)
 - Nitrate and Nitrite (4102)
- Santa Clara River Reach 6 (W Pier Hwy 99 to Bouquet Cyn Rd) (was named Santa Clara River Reach 8 on 2002 303(d) list)
 - Ammonia (4205)

Do Not Delist from 303(d) list (TMDL required list)

- Alamitos Bay
 - Indicator Bacteria (5897)
- Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on 1998 303d list)
 - Indicator Bacteria (4535)
- Calleguas Creek Reach 9B (was part of Conejo Creek Reaches 1 and 2 on 1998 303d list)
 - Indicator Bacteria (4542)
- Colorado Lagoon
 - Indicator Bacteria (6247)
- Coyote Creek
 - Diazinon (5096)
 - Indicator Bacteria (7120)
 - pH (4548)
- Dominguez Channel (lined portion above Vermont Ave)
 - Copper (5194)
 - Lead (5186)
 - Zinc (5217)
- Long Beach City Beach
 - Indicator Bacteria (5898)
- Los Angeles River Estuary (Queensway Bay)
 - Sediment Toxicity (6683)
- Los Angeles/Long Beach Inner Harbor
 - Sediment Toxicity (6809)
- Los Cerritos Channel
 - Ammonia (7450)
- Marina del Rey Harbor - Back Basins
 - DDT (tissue) (7328)
 - Dieldrin (tissue) (6816)
- Ormond Beach
 - Indicator Bacteria (4850)
- Rincon Beach
 - Indicator Bacteria (4148)
- San Buenaventura Beach
 - Indicator Bacteria (4864)
- San Gabriel River Reach 1 (Estuary to Firestone)

- Coliform Bacteria (7046)
- pH (4806)
- San Gabriel River Reach 2 (Firestone to Whittier Narrows Dam)
 - Coliform Bacteria (4626)
- San Jose Creek Reach 1 (SG Confluence to Temple St.)
 - Coliform Bacteria (7050)
- San Pedro Bay Near/Off Shore Zones
 - Sediment Toxicity (6684)
- Santa Clara River Reach 3 (Freeman Diversion to A Street)
 - Total Dissolved Solids (5708)

Do Not Delist from 303(d) list (being addressed with USEPA approved TMDL)

- Ballona Creek Estuary
 - Sediment Toxicity (6027)
- Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue on 1998 303d list)
 - DDT (tissue & sediment) (5509)
- Marina del Rey Harbor - Back Basins
 - Sediment Toxicity (4465)

Do Not Delist from 303(d) list (being addressed with action other than TMDL)

- Coyote Creek
 - Ammonia (7354)

Do Not List on 303(d) list (TMDL required list)

- Artesia-Norwalk Drain
 - Copper (9946)
- Ballona Creek Estuary
 - Antimony | Arsenic | Benzo(a)pyrene (3,4-Benzopyrene -7-d) | Benzo[a]anthracene | Chromium (total) | Chrysene (C1-C4) | Dibenzo[a,h]anthracene | Mercury | Phenanthrene | Pyrene (7584)
 - Toxicity (7641)
- Bull Creek
 - Toxicity (16475)

- **Burbank Western Channel**
 - Toxicity (16482)
- **Cold Creek**
 - Invasive Species (16623)
- **Compton Creek**
 - Toxicity (16468)
- **County Line Beach**
 - Indicator Bacteria (16238)
- **Coyote Creek**
 - Chloride (11170)
 - Cyanide (4407)
 - Fluoride (11285)
 - Lindane/gamma Hexachlorocyclohexane (gamma-HCH) (11298)
 - Nitrogen, Nitrite (4408)
 - Oxygen, Dissolved (11281)
 - Pentachlorophenol (PCP) (11383)
 - Selenium (4339)
- **Coyote Creek, North Fork**
 - Copper (13552)
 - Zinc (13352)
- **Deer Creek Beach**
 - Indicator Bacteria (16239)
- **Emma Woods State Beach**
 - Indicator Bacteria (16252)
- **Faria County Park Beach**
 - Indicator Bacteria (16253)
- **Hobson County Park**
 - Indicator Bacteria (16254)
- **Hollywood Beach**
 - Indicator Bacteria (16255)
- **La Conchita Beach**
 - Indicator Bacteria (16256)
- **Los Angeles Harbor - Cabrillo Marina**
 - Sediment Toxicity (6007)
- **Los Angeles Harbor - Inner Cabrillo Beach Area**
 - Sediment Toxicity (16651)
- **Malibu Creek**
 - Copper, Dissolved (13730)

- Toxicity (16265)
- **Malibu Lagoon**
 - Antimony | Arsenic | Benzo(a)pyrene (3,4-Benzopyrene -7-d) | Benzo[a]anthracene | Chrysene (C1-C4) | Copper | Dibenz[a,h]anthracene | Lead | Phenanthrene | Pyrene | Zinc (16282)
 - Sediment Toxicity (16266)
- **Mandos Cove Beach**
 - Indicator Bacteria (16257)
- **Marina Park Beach**
 - Indicator Bacteria (16258)
- **Matilija Creek Reach 1 (Jct. With N. Fork to Reservoir)**
 - Indicator Bacteria (13423)
- **Matilija Creek Reach 2 (Above Reservoir)**
 - Indicator Bacteria (13288)
- **Matilija Creek, North Fork**
 - Indicator Bacteria (13440)
 - Total Dissolved Solids (13468)
- **Mussel Shoals Beach**
 - Indicator Bacteria (16268)
- **Oil Piers Beach**
 - Indicator Bacteria (16269)
- **Oxnard Beach**
 - Indicator Bacteria (16270)
- **Oxnard Beach Park**
 - Indicator Bacteria (16271)
- **Point Mugu Beach**
 - Indicator Bacteria (16272)
- **Port Hueneme Beach Park**
 - Indicator Bacteria (16273)
- **San Gabriel River Reach 1 (Estuary to Firestone)**
 - Ammonia (4168)
- **San Gabriel River Reach 2 (Firestone to Whittier Narrows Dam)**
 - Chloride (4614)
 - Nitrogen, Nitrite (12071)
- **San Gabriel River Reach 3 (Whittier Narrows to Ramona)**
 - Lead (12206)

- Santa Clara River Estuary
 - Arsenic (8830)
- Santa Clara River Reach 5 (Blue Cut gaging station to West Pier Hwy 99 Bridge) (was named Santa Clara River Reach 7 on 2002 303(d) list)
 - DDT (Dichlorodiphenyltrichloroethane) (9056)
 - PCBs (Polychlorinated biphenyls) (5392)
- Santa Clara River Reach 6 (W Pier Hwy 99 to Bouquet Cyn Rd) (was named Santa Clara River Reach 8 on 2002 303(d) list)
 - Bis(2ethylhexyl)phthalate (DEHP) (9451)
- Seaside Wilderness Park Beach
 - Indicator Bacteria (16274)
- Silverstrand Beach
 - Indicator Bacteria (16276)
- Solimar Beach
 - Indicator Bacteria (16277)
- South Jetty Beach
 - Indicator Bacteria (16278)
- Staircase Beach (Leo Carillo Beach, North of County Line)
 - Indicator Bacteria (16279)
- Sycamore Cove Beach
 - Indicator Bacteria (16280)
- Thornhill Broome Beach
 - Indicator Bacteria (16281)
- Triunfo Canyon Creek Reach 1
 - Invasive Species (16626)
- Tujunga Wash (LA River to Hansen Dam)
 - Toxicity (16473)
- Tuna Canyon Creek
 - Nitrate (16393)
- Ventura River Reach 1 and 2 (Estuary to Weldon Canyon)
 - Indicator Bacteria (13179)
 - Total Dissolved Solids (13395)
- Ventura River Reach 3 (Weldon Canyon to Confl. w/ Coyote Cr)
 - Total Dissolved Solids (13398)
- Ventura River Reach 4 (Coyote Creek to Camino Cielo Rd)
 - Indicator Bacteria (13152)

- Total Dissolved Solids (13256)
- Walnut Creek Wash (Drains from Puddingstone Res)
 - Copper, Dissolved (9490)
 - Lead (9491)

List on 303(d) list (TMDL required list)

- Arroyo Seco Reach 1 (LA River to West Holly Ave.)
 - Benthic-Macroinvertebrate Bioassessments (17212)
- Artesia-Norwalk Drain
 - Indicator Bacteria (10026)
 - Selenium (9947)
- Bull Creek
 - Indicator Bacteria (16412)
- Burbank Western Channel
 - Indicator Bacteria (4386)
 - Selenium (16395)
- Calleguas Creek Reach 3 (Potrero Road upstream to confluence with Conejo Creek on 1998 303d list)
 - Trash (17169)
- Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on 1998 303d list)
 - Trash (10423)
- Calleguas Creek Reach 9A (was lower part of Conejo Creek Reach 1 on 1998 303d list)
 - Trash (17171)
- Calleguas Creek Reach 9B (was part of Conejo Creek Reaches 1 and 2 on 1998 303d list)
 - Trash (17172)
- Calleguas Creek Reach 10 (Conejo Creek (Hill Canyon)-was part of Conejo Crk Reaches 2 & 3, and lower Conejo Crk/Arroyo Conejo N Fk on 1998 303d list)
 - Trash (17170)
- Canada Larga (Ventura River Watershed)
 - Total Dissolved Solids (13212)
- Compton Creek
 - Benthic-Macroinvertebrate Bioassessments (17213)
- Coyote Creek
 - Benthic-Macroinvertebrate Bioassessments (17214)
- Coyote Creek, North Fork
 - Indicator Bacteria (13921)

- Selenium (14022)
- Dominguez Channel (lined portion above Vermont Ave)
 - Diazinon (16294)
 - Toxicity (16354)
- Dominguez Channel Estuary (unlined portion below Vermont Ave)
 - Sediment Toxicity (16600)
- Las Virgenes Creek
 - Benthic-Macroinvertebrate Bioassessments (17207)
 - Invasive Species (16621)
- Lindero Creek Reach 1
 - Benthic-Macroinvertebrate Bioassessments (17208)
 - Invasive Species (16624)
- Los Angeles Harbor - Cabrillo Marina
 - Benzo(a)pyrene (3,4-Benzopyrene -7-d) (16615)
- Los Angeles/Long Beach Inner Harbor
 - Benzo(a)pyrene (3,4-Benzopyrene -7-d) (16592)
 - Chrysene (C1-C4) (16593)
- Malibu Creek
 - Benthic-Macroinvertebrate Bioassessments (17209)
 - Invasive Species (16618)
- Medea Creek Reach 2 (Abv Confl. with Lindero)
 - Benthic-Macroinvertebrate Bioassessments (17210)
 - Invasive Species (16625)
- Promenade Park Beach
 - Indicator Bacteria (4254)
- Puente Creek
 - Indicator Bacteria (14109)
 - Selenium (14116)
- Rio Hondo Reach 1 (Confl. LA River to Snt Ana Fwy)
 - Cyanide (16391)
 - Toxicity (16469)
- San Antonio Creek (Tributary to Ventura River Reach 4)
 - Indicator Bacteria (13186)
 - Total Dissolved Solids (13194)
- San Gabriel River Estuary
 - Dioxin (11842)
 - Nickel (11984)
 - Oxygen, Dissolved (11995)

- San Gabriel River Reach 2 (Firestone to Whittier Narrows Dam)
 - Cyanide (12107)
- San Gabriel River Reach 3 (Whittier Narrows to Ramona)
 - Indicator Bacteria (12248)
- San Jose Creek Reach 1 (SG Confluence to Temple St.)
 - Benthic-Macroinvertebrate Bioassessments (17215)
 - Total Dissolved Solids (9944)
 - pH (9945)
- Santa Clara River Estuary
 - Nitrogen, Nitrate (8831)
 - Toxicity (8872)
- Santa Clara River Estuary Beach-Surfers Knoll
 - Indicator Bacteria (16327)
- Santa Clara River Reach 3 (Freeman Diversion to A Street)
 - Toxicity (10524)
- Santa Clara River Reach 5 (Blue Cut gaging station to West Pier Hwy 99 Bridge) (was named Santa Clara River Reach 7 on 2002 303(d) list)
 - Chlorodibromomethane (9808)
 - Dichlorobromomethane (9068)
 - Iron (9302)
 - Specific Conductivity (9316)
- Santa Clara River Reach 6 (W Pier Hwy 99 to Bouquet Cyn Rd) (was named Santa Clara River Reach 8 on 2002 303(d) list)
 - Benthic-Macroinvertebrate Bioassessments (17217)
 - Chlorodibromomethane (9455)
 - Copper (9431)
 - Dichlorobromomethane (9450)
 - Iron (9449)
 - Specific Conductance (9448)
- Santa Clara River Reach 11 (Piru Creek, from confluence with Santa Clara River Reach 4 to gaging station below Santa Felicia Dam)
 - Specific Conductance (9318)
 - Total Dissolved Solids (9317)
- Solstice Canyon Creek
 - Invasive Species (16622)
- Surfers Point at Seaside
 - Indicator Bacteria (4149)
- Triunfo Canyon Creek Reach 2
 - Benthic-Macroinvertebrate Bioassessments (17211)
- Ventura River Reach 3 (Weldon Canyon to Confl. w/ Coyote Cr)
 - Indicator Bacteria (13171)

- Verdugo Wash Reach 1 (LA River to Verdugo Rd.)
 - Copper (16392)
- Walnut Creek Wash (Drains from Puddingstone Res)
 - Benthic-Macroinvertebrate Bioassessments (17216)
 - Indicator Bacteria (16193)

List on 303(d) list (being addressed by USEPA approved TMDL)

- Arroyo Seco Reach 1 (LA River to West Holly Ave.)
 - Trash (7181)
- Arroyo Seco Reach 2 (Figueroa St. to Riverside Dr.)
 - Trash (7188)
- Brown Barranca/Long Canyon
 - Nitrate and Nitrite (4211)
- Burbank Western Channel
 - Trash (7528)
- Calleguas Creek Reach 1 (was Mugu Lagoon on 1998 303(d) list)
 - Endosulfan (tissue) (6196)
- Calleguas Creek Reach 2 (estuary to Potrero Rd- was Calleguas Creek Reaches 1 and 2 on 1998 303d list)
 - ChemA (tissue) (7355)
 - Endosulfan (tissue) (6712)
- Calleguas Creek Reach 3 (Potrero Road upstream to confluence with Conejo Creek on 1998 303d list)
 - Chloride (7538)
 - Total Dissolved Solids (7541)
- Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue on 1998 303d list)
 - ChemA (tissue) (7140)
 - Endosulfan (tissue & sediment) (6721)
 - Trash (6977)
- Calleguas Creek Reach 5 (was Beardsley Channel on 1998 303d list)
 - ChemA (tissue) (6753)
 - Endosulfan (tissue & sediment) (7101)
 - Trash (6978)
- Calleguas Creek Reach 6 (was Arroyo Las Posas Reaches 1 and 2 on 1998 303d list)
 - Chloride (6979)
 - Sulfates (6980)
 - Total Dissolved Solids (6981)

- Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on 1998 303d list)
 - Boron (6982)
 - Chloride (6983)
 - Sulfates (6984)
 - Total Dissolved Solids (6985)
- Calleguas Creek Reach 8 (was Tapo Canyon Reach 1)
 - Boron (6986)
 - Chloride (6987)
 - Sulfates (6988)
 - Total Dissolved Solids (6989)
- Calleguas Creek Reach 9A (was lower part of Conejo Creek Reach 1 on 1998 303d list)
 - ChemA (tissue) (7103)
 - Endosulfan (tissue) (7138)
 - Lindane/gamma-Hexachlorocyclohexane (gamma-HCH) (tissue) (7139)
 - Sulfates (6990)
 - Total Dissolved Solids (6991)
- Calleguas Creek Reach 9B (was part of Conejo Creek Reaches 1 and 2 on 1998 303d list)
 - ChemA (tissue) (6812)
 - Chloride (6993)
 - Endosulfan (tissue) (6920)
 - Sulfates (6994)
 - Total Dissolved Solids (6995)
- Calleguas Creek Reach 10 (Conejo Creek (Hill Canyon)-was part of Conejo Crk Reaches 2 & 3, and lower Conejo Crk/Arroyo Conejo N Fk on 1998 303d list)
 - ChemA (tissue) (7204)
 - Chloride (6996)
 - Endosulfan (tissue) (6905)
 - Sulfates (6998)
 - Total Dissolved Solids (6999)
- Calleguas Creek Reach 11 (Arroyo Santa Rosa, was part of Conejo Creek Reach 3 on 1998 303d list)
 - ChemA (tissue) (6887)
 - Endosulfan (tissue) (6889)
 - Sulfates (7000)
 - Total Dissolved Solids (7028)
- Calleguas Creek Reach 12 (was Conejo Creek/Arroyo Conejo North Fork on 1998 303d list)
 - Sulfates (7029)
 - Total Dissolved Solids (7030)
- Calleguas Creek Reach 13 (Conejo Creek South Fork, was Conejo Cr Reach 4 and part of Reach 3 on 1998 303d list)
 - ChemA (tissue) (6914)
 - Chloride (4557)
 - Endosulfan (tissue) (6931)
 - Sulfates (7031)
 - Total Dissolved Solids (7036)
- Channel Islands Harbor Beach
 - Indicator Bacteria (7078)

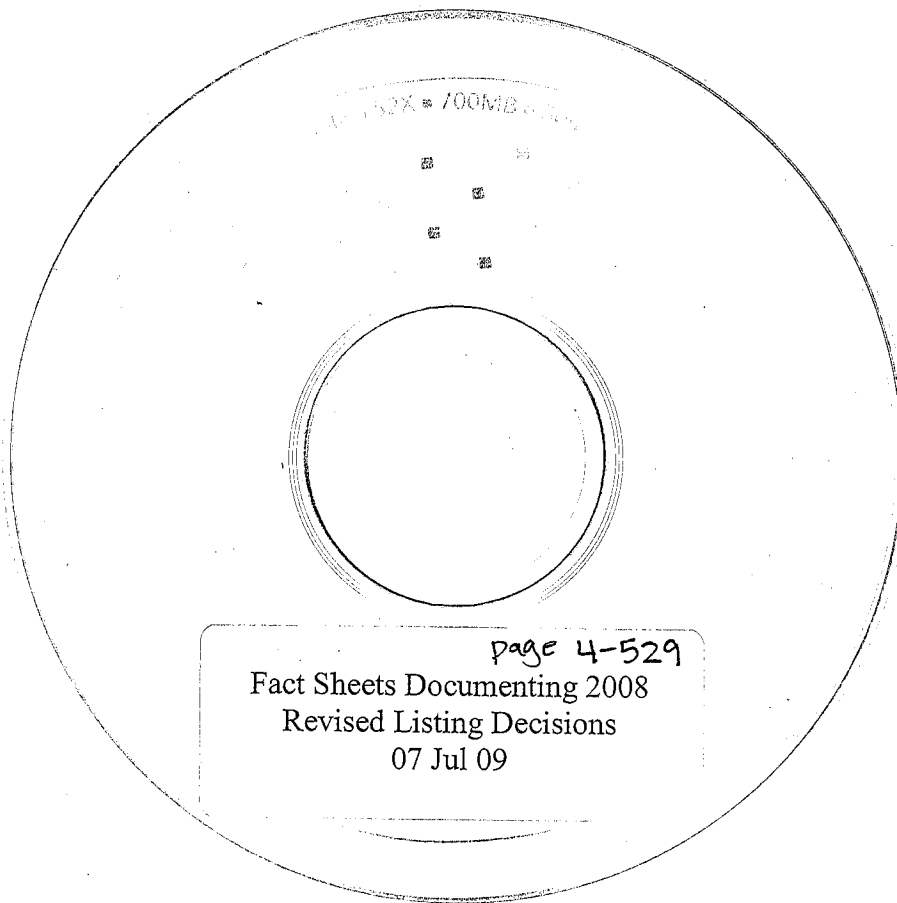
- Compton Creek
 - Trash (6830)
- Coyote Creek
 - Copper, Dissolved (4549)
 - Lead (4518)
- Elizabeth Lake
 - Trash (7530)
- Fox Barranca (tributary to Calleguas Creek Reach 6)
 - Boron (7539)
 - Sulfates (7540)
 - Total Dissolved Solids (7542)
- Hobie Beach (Channel Islands Harbor)
 - Indicator Bacteria (5258)
- Lake Hughes
 - Trash (7314)
- Lake Lindero
 - Algae (7316)
 - Eutrophic (7319)
 - Odor (7320)
- Lake Sherwood
 - Algae (7329)
 - Ammonia (7330)
 - Eutrophic (7332)
 - Organic Enrichment/Low Dissolved Oxygen (7024)
- Las Virgenes Creek
 - Nutrients (Algae) (7059)
 - Organic Enrichment/Low Dissolved Oxygen (7108)
 - Scum/Foam-unnatural (7109)
- Legg Lake
 - Trash (7231)
- Lindero Creek Reach 1
 - Algae (7287)
 - Scum/Foam-unnatural (7333)
- Lindero Creek Reach 2 (Above Lake)
 - Algae (7340)
 - Scum/Foam-unnatural (7343)
- Los Angeles River Estuary (Queensway Bay)
 - Trash (6815)
- Los Angeles River Reach 1 (Estuary to Carson Street)

- Trash (4121)
- Los Angeles River Reach 2 (Carson to Figueroa Street)
 - Trash (4109)
- Los Angeles River Reach 3 (Figueroa St. to Riverside Dr.)
 - Trash (4120)
- Los Angeles River Reach 4 (Sepulveda Dr. to Sepulveda Dam)
 - Trash (4122)
- Los Angeles River Reach 5 (within Sepulveda Basin)
 - Trash (5418)
- Machado Lake (Harbor Park Lake)
 - Algae (7121)
 - Ammonia (7122)
 - Eutrophic (7124)
 - Odor (7125)
 - Trash (7239)
- Malibou Lake
 - Algae (7242)
 - Eutrophic (7243)
 - Organic Enrichment/Low Dissolved Oxygen (7244)
- Malibu Creek
 - Nutrients (Algae) (7247)
 - Scum/Foam-unnatural (7248)
- Malibu Lagoon
 - Eutrophic (7252)
 - Swimming Restrictions (7278)
 - Viruses (enteric) (7281)
- Medea Creek Reach 1 (Lake to Confl. with Lindero)
 - Algae (7338)
- Medea Creek Reach 2 (Abv Confl. with Lindero)
 - Algae (7344)
- Mint Canyon Creek Reach 1 (Confl to Rowler Cyn)
 - Nitrate and Nitrite (4209)
- Munz Lake
 - Trash (7356)
- Rio De Santa Clara/Oxnard Drain No. 3
 - Nitrogen (7443)
- Rio Hondo Reach 1 (Confl. LA River to Snt Ana Fwy)
 - Trash (7447)

- Robert H. Meyer Memorial Beach
 - Beach Closures (7449)
- San Gabriel River Estuary
 - Copper (6065)
- San Gabriel River Reach 2 (Firestone to Whittier Narrows Dam)
 - Lead (4721)
- Tujunga Wash (LA River to Hansen Dam)
 - Trash (6732)
- Ventura River Estuary
 - Trash (7303)
- Verdugo Wash Reach 1 (LA River to Verdugo Rd.)
 - Trash (7315)
- Verdugo Wash Reach 2 (Above Verdugo Road)
 - Trash (7321)
- Westlake Lake
 - Algae (7331)
 - Ammonia (7023)
 - Eutrophic (7025)
 - Organic Enrichment/Low Dissolved Oxygen (7057)

List on 303(d) list (being addressed by action other than TMDL)

- Malibu Lagoon
 - Benthic Community Effects (7251)
- Port Hueneme Harbor (Back Basins)
 - DDT (tissue) (7407)
 - PCBs (Polychlorinated biphenyls) (tissue) (7408)



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APPENDIX H

MISCELLANEOUS CHANGES REPORT

Water Body: El Dorado Lakes
Water Body ID: CAL4051501020000228153407
Water Body Type: Lake & Reservoir
Change Type: Water body areal extent modification
Change Information: The mapped representation of El Dorado Lakes has been revised to remove a golf course lake that was erroneously included in the El Dorado Lakes coverage. The golf course lake does not belong because it: 1. Is not hydraulically connected with the El Dorado Park lakes. 2. Is in another drainage area. 3. To our knowledge has not been sampled.

Change Date: 2/2/2009

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AES Alamitos L.L.C. and the City of Los Angeles Department of Water and Power	01/2006	Reasonable Potential Analysis for Haynes Generating Station (NPDES No. CA0000353).
Ambrose, F. and Antony, R. Orme	05/2000	Lower Malibu Creek and Lagoon Resource Enhancement and Management Final Report to the California State Coastal Conservancy. Ambrose, Richard F. and Antony, R. Orme. University of California, Los Angeles. May 2000. Chapter 3.
Anchor Environmental CA, L.P.	06/2008	Draft Final (90 Percent) Design Report Sediment Dredging, Beach Renourishment, Confined Aquatic Disposal (CAD), and Capping Port Hueneme, California. Prepared for Oxnard Harbor District.
Ayers, R. S. and D. W. Westcot	02/1985	Water Quality for Agriculture, Food and Agriculture Organization of the United Nations - Irrigation and Drainage Paper No. 29, Rev 1, Rome (1985)
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Bay, S.M., D. Lapota, J. Anderson, J. Armstrong, T. Mikel, Jirik, A.W., and S. Asato.	12/2000	Southern California Bight 1998 Regional Monitoring Program. Volume IV.
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Brodberg, R.K., and G.A. Pollock	06/1999	Prevalence of Selected Target Chemical Contaminants in Sport Fish From Two California Lakes: Public health designed screening study. Sacramento, CA: Office of Environmental Health Hazard Assessment
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California Department of Fish and Game	12/2003	California Stream Bioassessment Procedure (Protocol Brief for Biological and Physical/Habitat Assessment in Wadeable Streams) California Department of Fish and Game Water Pollution Control Laboratory Aquatic Bioassessment Laboratory Revision Date - December, 2003
California Department of Public Health	03/2008	California Code of Regulations, Title 22, Division 4, Chapter 15. Domestic Water Quality and Monitoring. http://www.cdph.ca.gov/certlic/drinkingwater/Pages/Lawbook.aspx
City of Long Beach Health Department	07/2007	The City of Long Beach Health Department Bacteria Monitoring Data for Alamitos Bay.
City of Long Beach Health Department	07/2007	The City of Long Beach Health Department Bacteria Monitoring Data for Long Beach.
City of Long Beach Health Department	07/2007	The City of Long Beach Health Department Bacteria Monitoring Data for Colorado Lagoon.
City of Long Beach	04/2009	(MS4 Data) for Los Cerritos Channel - CI 8052 for order no. 99-060 NPDES No. CAS004003 Municipal Storm Water and Urban Runoff Discharges within the City of Long Beach
City of Los Angeles Department of Public Works	01/2008	City of Los Angeles, Department of Public Works, Bureau of Sanitation Status and Trends Monitoring Program QAPP for VOC Collection and Laboratory Analysis
City of Los Angeles Department of Public Works	01/2008	City of Los Angeles, Department of Public Works, Bureau of Sanitation Status and Trends Monitoring Program VOC Data
City of Los Angeles Watershed Protection Division	06/2008	Water quality monitoring for Wilmington Drain at Lomita Blvd.
City of Los Angeles	12/2008	Quality Assurance Manual prepared for the analysts, supervisors, and managers of the Environmental Monitoring Division, Bureau of Sanitation, Department of Public Works, City of Los Angeles
City of San Buenaventura	07/2007	NPDES receiving water monitoring reports for the City of San Buenaventura Ventura Water Reclamation Facility (NPDES No. CA0053651).
County of Los Angeles & the Incorporated Cities therein, except the City of Long Beach	01/2007	Summary tables for monitoring station S28, County of Los Angeles, Department of Public Works, Stormwater Monitoring Reports for 2001-2002, 2002-2003, 2003-2004, 2004-2005, 2005-2006, and 2006-2007 (MS4 Data)

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County of Los Angeles & the Incorporated Cities therein, except the City of Long Beach	03/2008	Monitoring Data (MS4 Data) for Tributaries of the San Gabriel River Watershed- CI 6948 for order no. 01-182 NPDES No. CAS004001 Municipal Storm Water and Urban Runoff Discharges within the County of Los Angeles, and the Incorporated Cities therein, Except the City of Long Beach
County of Los Angeles & the Incorporated Cities therein, except the City of Long Beach	04/2009	Lead Monitoring Data (MS4 Data) for Coyote Creek. Municipal Storm Water and Urban Runoff Discharges within the County of Los Angeles, and the Incorporated Cities therein, Except the City of Long Beach.
County of Los Angeles & the Incorporated Cities therein, except the City of Long Beach	04/2009	Lead Monitoring Data (MS4 Data) for San Gabriel River Reach 2. Municipal Storm Water and Urban Runoff Discharges within the County of Los Angeles, and the Incorporated Cities therein, Except the City of Long Beach.
County of Los Angeles Department of Public Works	08/2008	Summary of MS4 toxicity results for the years 2001-2002, 2003-2004, 2005-2006, and 2006-2007.
County of Ventura Environmental Health Division	07/2007	County of Ventura coastal beach bacteria monitoring data for AB411.
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DHS	04/2006	Draft Guidance for Salt Water Beaches. Last Update: April 10, 2006. Initial Draft: November 1997. Division of Drinking Water and Environmental Management, California Department of Health Services
Fairey, R., E.R. Long, C.A. Roberts, B.S. Anderson, B.M. Phillips, J.W. Hunt, H.R. Puckett and C.J. Wilson	01/2001	An evaluation of methods for calculating mean sediment quality guideline quotients as indicators of contamination and acute toxicity to amphipods by chemical mixtures. Environmental Toxicology and Chemistry. 20(10): 2276-2286
Finlayson, B	01/2004	Water quality for diazinon. Memorandum to J. Karkoski, Central Valley RWQCB. Rancho Cordova, CA: Pesticide Investigation Unit, CA Department of Fish and Game
Harrington, J. M.	05/2006	California Stream Bioassessment Procedure Biological and Physical Habitat Field Audit

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Hinton, D., Hanes, D., Smith, D.J., and Tan, H.	08/1992	Toxicity Study of the Santa Clara River, San Gabriel River, and Calleguas Creek Toxicity Work/QA Project Plan
Kozelka, P.	01/2007	Letter to National Resources Defense Council, Heal the Bay, and Santa Monica Baykeeper determining no impairment for toxicity in Walnut Creek. USEPA.
LACSD	01/2003	County Sanitation Districts of Los Angeles County QA/QC Memo for 2003 Toxicity testing in Walnut Creek.
LACSD	11/2003	Monitoring and Reporting Program No. CI-2960 for County Sanitation Districts of Los Angeles County (Saugus Water Reclamation Plant) (NPDES NO. CA0054313)
LACSD	01/2006	NPDES receiving water metals data for Long Beach Water Reclamation Plant (NPDES No. CA0054119), Los Coyotes Water Reclamation Plant (NPDES No. CA0053716), Pomona Water Reclamation Plant (NPDES No. CA0053911), San Jose Creek Water Reclamation Plant (NPDES No. CA0053619), and Whittier Narrows Creek Water Reclamation Plant (NPDES No. CA0054011).
LACSD	04/2007	NPDES receiving water monitoring reports for Long Beach Water Reclamation Plant (NPDES No. CA0054119), Los Coyotes Water Reclamation Plant (NPDES No. CA0053716), Pomona Water Reclamation Plant (NPDES No. CA0053911), San Jose Creek Water Reclamation Plant (NPDES No. CA0053619), and Whittier Narrows Creek Water Reclamation Plant (NPDES No. CA0054011).
LACSD	04/2007	NPDES receiving water monitoring reports for Saugus Water Reclamation Plant (NPDES No. CA0054313) and Valencia Water Reclamation Plant (NPDES No. CA0054216).
LACSD	04/2007	Valencia Water Reclamation Plant Monitoring and reporting program for NPDES No. CA0054216 (County Sanitation Districts of Los Angeles County)
LACSD	06/2007	NPDES receiving water monitoring reports for Santa Paula Water Reclamation Facility (NPDES No. CA0054224).
LACSD	01/2008	Whittier Narrows Water Reclamation Plant (WNRP) -Monitoring Reports 2003-2007
LACSD	12/2008	County Sanitation Districts of Los Angeles County 2003-2006 Toxicity Testing in Walnut Creek data.

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Larry Walk Associates	04/2007	Calleguas Creek Watershed Boron, Chloride, TDS, and Sulfate TMDL Public Review Technical Report
Long, E.R., D.D. MacDonald, S.L. Smith, and F.D. Calder	01/1995	Incidence of adverse biological effects within ranges of chemical concentrations in marine and estuary sediments. Environmental Management. 19, (1): 81-97
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Los Angeles RWQCB and CA Coastal Commission	04/2009	Contaminated Sediments Task Force Sediment Chemistry data for San Pedro Bay. 1992-1997.
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Los Angeles RWQCB and CA Coastal Commission	04/2009	Contaminated Sediments Task Force Sediment Toxicity data for Los Angeles/Long Beach Inner Harbor, Outer Harbor, Fish Harbor, Inner Cabrillo Beach area, the San Pedro Bay, and the Los Angeles River Estuary. 1999-2003.

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Los Angeles RWQCB and CA Coastal Commission	04/2009	Contaminated Sediments Task Force Sediment Metals data for the Los Angeles River Estuary. 1999-2003.
Los Angeles RWQCB and USEPA	07/2005	Ballona Creek Estuary Toxic Pollutants TMDL Final Staff Report. Prepared by California Regional Water Quality Control Board Los Angeles Region and U.S. Environmental Protection Agency Region 9.
Los Angeles RWQCB	04/1997	Santa Paul Wastewater Reclamation Facility Monitoring and Reporting Program for NDPES No. CA0054224
Los Angeles RWQCB	06/1999	MS4 Permit - CI 6948 for order no. 01-182 NPDES No. CAS004001 Municipal Storm Water and Urban Runoff Discharges within the County of Los Angeles, and the incorporated cities, except the City of Long Beach
Los Angeles RWQCB	06/2000	Waste Discharge Requirements for AES Alamos, L.L.C.(Alamos Generating Station) NPDES No. CA0001139
Los Angeles RWQCB	06/2000	Waste Discharge Requirements for City of Los Angeles Department of Water and Power (Haynes Generating Station) NPDES No. CA0000353.
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Los Angeles RWQCB	12/2006	Monitoring and Reporting Program No. CI-4424 for City of Burbank (Burbank Water Reclamation Plant) (NPDES NO. CA0055531)
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Malibu Creek Watershed Monitoring Program	06/2006	Malibu Watershed 2005 Bioassessment Monitoring Report. (2005) The Malibu Creek Watershed Monitoring Program City of Calabasas, Environmental Services Division. Submitted by: Aquatic Bioassay and Consulting Laboratories.
Moffatt & Nichol and Heal the Bay	03/2005	Malibu Lagoon Restoration Feasibility Study Final Alternatives Analysis. 2005. Prepared by: Moffatt & Nichol In Association With Heal the Bay. Prepared for California State Coastal Conservancy & California State Parks. March 2005.
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Rasmussen, D.	01/2003	Toxic Substances Monitoring Program 1991 Data Report. 93-1WQ. State Water Resources Control Board, Division of Water Quality. Sacramento, CA.
Richards, D.C.	02/2002	The New Zealand Mudsail Invades the Western United States. Aquatic Nuisance Species Digest Volume 4 No. 4.
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Santa Barbara Channelkeeper	10/2004	Ventura River Watershed Monitoring Program Quality Assurance Project Plan (Santa Barbara Channelkeeper, October 2004)
Santa Barbara Channelkeeper	02/2007	Santa Barbara Channelkeeper Water Quality Data Submittal and 303(d) List Recommendations
SCCWRP	01/1998	Southern CA Bight 1998 Regional Marine Monitoring Survey Chemistry Data
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Schiff, K., Bax, B., Markle, P., Fleming, T., and Newman, J.	10/2006	Technical Report 493: Wet and Dry Weather Toxicity in the San Gabriel River.
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Smith, D.J., W. Phillips, A. Corado, H. Trim, M. Ven Katanarayana, G. Hubner, T. Moore and P. Hicks	01/1994	Water Quality Control Plan Los Angeles Region R4 Basin Plan

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Strauss, A.	02/2009	Letter to SWRCB and Los Angeles RWQCB conferring approval of the Calleguas Creek Nitrogen TMDL for addressing Nitrogen in Oxnard Drain No. 3. USEPA.
SWAMP	07/2007	Surface Water Ambient Monitoring Program data for all watersheds in the Los Angeles Region 2001-2005.
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Ventura Coastkeeper	02/2007	Calleguas Creek volunteer water quality monitoring data for 2006 conducted by Ventura Coastkeeper.

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