

**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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## TABLE OF CONTENTS

|       |   |    |
|-------|---|----|
| 1     | EXECUTIVE SUMMARY   | 1  |
| 2     | INTRODUCTION  | 2  |
| 2.1   | REGULATORY PROCESS  | 2  |
| 3     | DEVELOPMENT OF THE INTEGRATED REPORT  | 3  |
| 3.1   | DATA SOLICITATION   | 3  |
| 3.2   | LISTING POLICY AND EVALUATION CRITERIA  | 4  |
| 3.3   | STANDARDS USED IN THE ANALYSIS  | 4  |
| 3.3.1 | <i>Indicator bacteria</i> .....   | 6  |
| 3.3.2 | <i>Invasive species</i> .....   | 8  |
| 3.3.3 | <i>Biostimulatory Substances- possible future impairment determinations</i> ..... | 10 |
| 3.4   | DATA ANALYSIS   | 15 |
| 3.5   | INTEGRATED REPORT CATEGORIES  | 16 |
| 3.6   | INFORMATION MANAGEMENT  | 17 |
| 4     | SUMMARY OF ASSESSMENT RESULTS   | 17 |
| 5     | TMDL SCHEDULING   | 20 |

## LIST OF TABLES

|  |    |
|--|----|
| Table 3-1 Listings for exotic species in the State 2006 303(d)   | 8  |
| Table 3-2 Lakes: Nutrient Concentration and Biological Response Indicators Criteria Limits                                 | 13 |
| Table 3-3 Rivers and Streams: Nutrient Concentration and Biological Response Indicators Criteria Limits                    | 14 |
| Table 4-1 Integrated Report Summary  | 18 |
| Table 4-2 Integrated Report Summary for NEW decisions in 2008 including <i>delist, do not delist, do not list and list</i> | 19 |

## LIST OF APPENDICES

|            |  |
|------------|--|
| APPENDIX A | PUBLIC SOLICITATION LETTERS  |
| APPENDIX B | INTEGRATED REPORT CATEGORY 2: WATERS SUPPORTING SOME BENEFICIAL USES               |
| APPENDIX C | INTEGRATED REPORT CATEGORY 3: WATERS WITH INCOMPLETE INFORMATION                   |
| APPENDIX D | INTEGRATED REPORT CATEGORY 4: WATER QUALITY LIMITED SEGMENTS FULLY ADDRESSED       |
| APPENDIX E | INTEGRATED REPORT CATEGORY 5: WATER QUALITY LIMITED SEGMENTS NOT FULLY ADDRESSED   |
| APPENDIX F | LIST OF ALL WATERBODY IMPAIRMENTS (CATEGORIES 4 AND 5) (THE UPDATED, 303 (D) LIST) |
| APPENDIX G | FACT SHEETS FOR EACH 2008 REVISED LISTING DECISION                                 |
| APPENDIX H | FACT SHEETS FOR MISCELLANEOUS CHANGES TO THE INTEGRATED REPORT                     |
| APPENDIX I | REFERENCES USED IN DEVELOPING THE INTEGRATED REPORT.                               |

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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 66 proposed new 303(d) listings in 35 waterbodies and 22 proposed de-listings in 14 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). 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. 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 Lakes: 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 <sup>2</sup> ) | 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<br>COLD ≥6<br>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<br>COLD ≥6<br>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<br>COLD ≥6<br>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<br>COLD ≥6<br>COLD & SPWN ≥7 | Nutrient Numeric Endpoints - Malibu Creek Case Study  |
| 0.23   | 0.02                    | WARM 150<br>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<br>COLD ≥6<br>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%<br>Benthic 60% | Shall not be < 6.5 or > 8.5 or change 0.5 units from ambient condition due to waste discharge | WARM ≥5<br>COLD ≥6<br>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 Rivers and Streams: Nutrient Concentration and Biological Response Indicators Criteria Limits**

| Potential Criteria to assess Biostimulatory 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<br>COLD ≥ 6<br>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<br>COLD ≥ 6<br>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<br>COLD ≥ 6<br>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<br>COLD ≥ 6<br>COLD & SPWN ≥ 7 | Nutrient Numeric Endpoints - Malibu Creek Case Study   |
| 1.2 (summer mean)  | 0.1 (summer mean)       | WARM 10<br>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<br>COLD ≥ 6<br>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 are 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<br>(Appendix B)                                 | Waters Supporting Some Beneficial Uses                              | 26  |
| 3<br>(Appendix C)                                 | Waters With Insufficient Information                                | 23  |
| 4<br>(Appendix D)                                 | Water Quality Limited Segments Addressed                            | 28  |
| 5<br>(Appendix E)                                 | Water Quality Limited Segments not Fully Addressed                  | 161                                       |
| <i>Total</i>                                      |   | <i>238 assessed waterbodies</i>           |
| <i>(4 and 5)<br/>(Appendix F)<br/>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 66 new listings are proposed and 22 de-listings are proposed. In addition, in this update, 89 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   | 14                    | 22   |
| Do Not Delist                                    | 23                    | 33   |
| Do Not List                                      | 46                    | 61   |
| List   | 35                    | 66   |
| List (being addressed by TMDL)                   | 49                    | 89   |
| List (being addressed by action other than TMDL) | 2                     | 3  |
| Total  | 169                   | 274  |

The total number of waterbody/pollutant combinations in the proposed 2008 303(d) list is 835. 476 of these waterbody/pollutant combinations, or 57%, require the completion of a TMDL or other regulatory action to address the impairment. 354 of these waterbody/pollutant combinations, or 43%, 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. 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

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](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](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*



Recycled Paper

## 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.

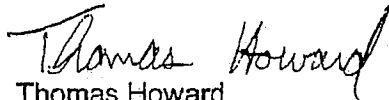
Since the data and information gathered in this solicitation will contribute to the preparation of a statewide assessment of surface water quality, please do not limit your data and information submissions to only those data that show standards are not met. Data that show standards are being met should 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](mailto: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

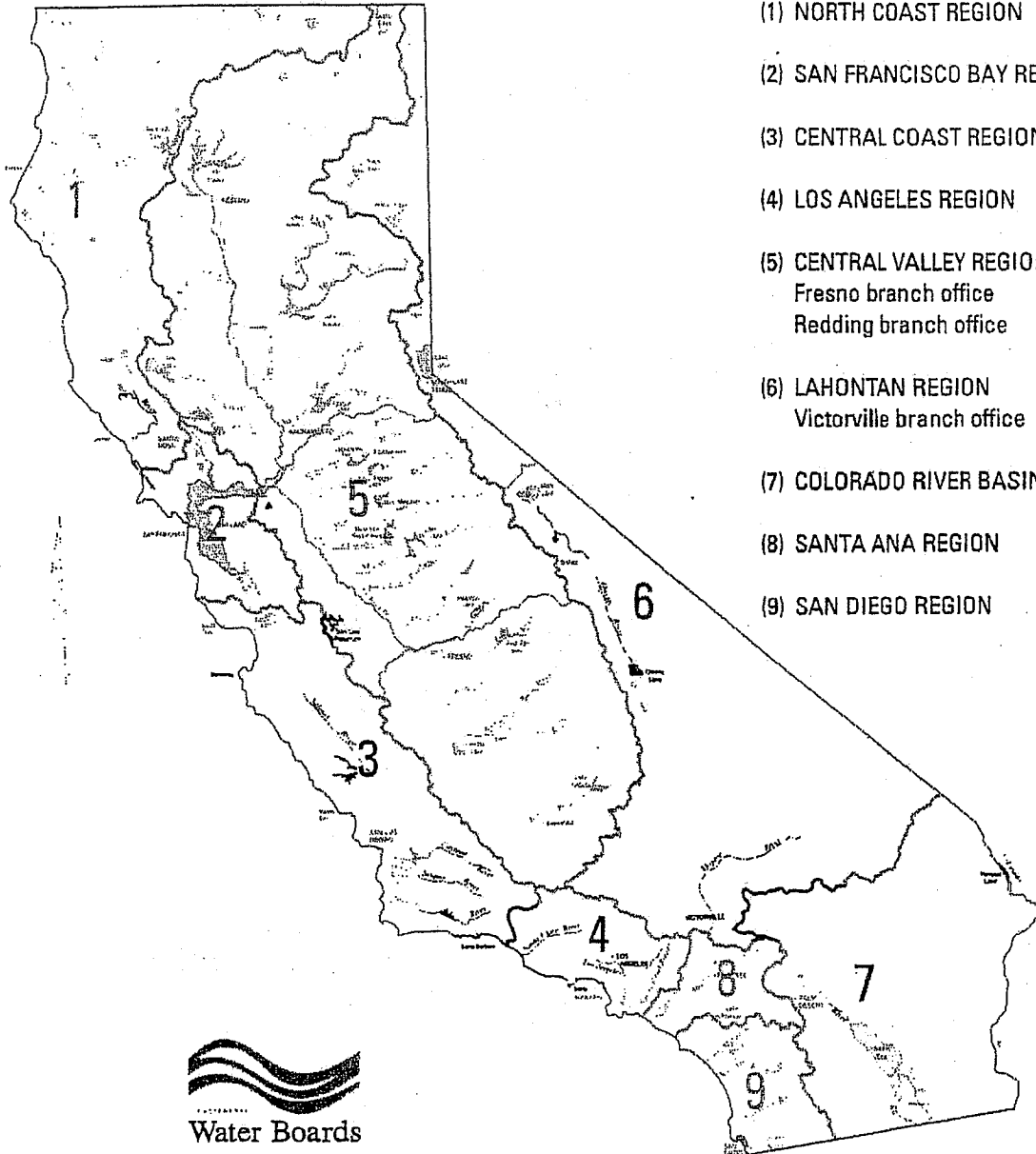
All Regional Water Quality Control Boards

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

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



## California Regional Water Quality Control Boards



- (1) NORTH COAST REGION
- (2) SAN FRANCISCO BAY REGION
- (3) CENTRAL COAST REGION
- (4) LOS ANGELES REGION
- (5) CENTRAL VALLEY REGION  
Fresno branch office  
Redding branch office
- (6) LAHONTAN REGION  
Victorville branch office
- (7) COLORADO RIVER BASIN REGION
- (8) SANTA ANA REGION
- (9) SAN DIEGO REGION



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](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 J 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.

*California Environmental Protection Agency*

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Interested Persons

-2-

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

*California Environmental Protection Agency*

 Recycled Paper

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

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



## 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 California Beneficial Use Pollutant                      | ESTIMATED AREA ASSESSED |
|--------|------------------------|-------------------------|-------------------------------|--|-------------------------|
| 4      | Channel Islands Harbor | Bay & Harbor            | 40311000 / 18070103           | Aquatic Life Support<br>Marine Habitat<br>Lead (sediment)<br>Zinc (sediment) | 209 Acres               |
| 4      | Cold Creek             | River & Stream          | 40421000 / 18070104           | Aquatic Life Support<br>Cold Freshwater Habitat<br>Invasive Species          | 0.85 Miles              |
| 4      | County Line Beach      | Coastal & Bay Shoreline | 40445000 / 18070104           | Swimming<br>Water Contact Recreation<br>Indicator Bacteria                   | 0.7 Miles               |
| 4      | Deer Creek Beach       | Coastal & Bay Shoreline | 40446000 / 18070104           | Swimming<br>Water Contact Recreation<br>Indicator Bacteria                   | 1.2 Miles               |

## APPENDIX B

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

## APPENDIX B

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

## APPENDIX B

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

## APPENDIX B

| REGION | WATER BODY<br>NAME     | WATER<br>TYPE              | WATERSHED*<br>CALWATER/<br>USGS HUC | CORE BENEFICIAL USE<br>California Beneficial Use<br>Pollutant     | ESTIMATED<br>AREA<br>ASSESSED |
|--------|------------------------|----------------------------|-------------------------------------|---|-------------------------------|
| 4      | Thornhill Broome Beach | Coastal & Bay<br>Shoreline | 40447000 /<br>18070104              | Swimming<br>Water Contact Recreation<br><u>Indicator Bacteria</u> | 1.3 Miles                     |
| 4      | Tuna Canyon Creek      | River &<br>Stream          | 40412000 /<br>18070104              | Aquatic Life Support<br>Warm Freshwater Habitat<br><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 California Beneficial Use Pollutant  | ESTIMATED AREA ASSESSED |
|--------|----------------------|----------------|-------------------------------|--|-------------------------|
| 4      | Ashland Avenue Drain | River & Stream | 40513000 / 18070104           | Swimming<br>Water Contact Recreation<br>Coliform Bacteria<br><br>Aquatic Life Support<br>Warm Freshwater Habitat<br>Organic Enrichment/Low<br>Dissolved Oxygen<br>Toxicity | 2.3 Miles               |
| 4      | Carbon Canyon Creek  | River & Stream | 40515010 / 18070104           | Drinking Water Supply<br>Municipal & Domestic Supply<br>Chloride<br>Sulfates   | 8.8 Miles               |
| 4      | Corral Canyon Creek  | River & Stream | 40431000 / 18070104           | Drinking Water Supply<br>Municipal & Domestic Supply<br>Sulfates   | 4.1 Miles               |

## APPENDIX C

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

## APPENDIX C

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



## APPENDIX C

| REGION | WATER BODY NAME          | WATER TYPE     | WATERSHED <sup>1</sup><br>CAL WATER /<br>USGS HUC | CORE BENEFICIAL USE<br><i>California Beneficial Use</i><br><u>Pollutant</u>                           | ESTIMATED<br>AREA<br>ASSESSED |
|--------|--------------------------|----------------|---|---|-------------------------------|
| 4      | San Nicolas Canyon Creek | River & Stream | 40443000 /<br>18070104                            | Drinking Water Supply<br><i>Municipal &amp; Domestic Supply</i><br><u>Sulfates</u>                    | 2.4 Miles                     |
| 4      | 10 (Sespe Creek, from    | Stream         | 18070102  | Drinking Water Supply<br><i>Municipal &amp; Domestic Supply</i><br><u>Sulfates</u>                    | 9 Miles                       |
| 4      | Santa Ynez Canyon        | River & Stream | 40513000 /<br>18070104                            | Drinking Water Supply<br><i>Municipal &amp; Domestic Supply</i><br><u>Sulfates</u>                    | 5 Miles                       |
| 4      | Sullivan Canyon Creek    | River & Stream | 40513000 /<br>18070104                            | Drinking Water Supply<br><i>Municipal &amp; Domestic Supply</i><br><u>Sulfates</u>                    | 5.3 Miles                     |
| 4      | Sweetwater Canyon Creek  | River & Stream | 40421000 /<br>18070104                            | Drinking Water Supply<br><i>Municipal &amp; Domestic Supply</i><br><u>Chloride</u><br><u>Sulfates</u> | 1.6 Miles                     |
| 4      | Trancas Canyon Creek     | River & Stream | 40437000 /<br>18070104                            | Drinking Water Supply<br><i>Municipal &amp; Domestic Supply</i><br><u>Chloride</u><br><u>Sulfates</u> | 6.4 Miles                     |

## APPENDIX D

## 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 CALWATER /USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                          | ESTIMATED AREA<br>ASSESSED | FIRST YEAR<br>LISTED | ADDR<br>ESSED BY** | USEPA TMDL<br>APPROVAL DATE |
|--------|---|-------------------|------------------------------|---|----------------------------|----------------------|--------------------|-----------------------------|
| 4      | Brown<br>Barranca/Lon<br>g Canyon   | River &<br>Stream | 40321000 /<br>18070103       | <u>Nitrate and Nitrite</u>                                  | 2.6 Miles                  | 1998                 | B                  | 2004                        |
| 4      | Calleguas<br>Creek Reach<br>12 (was<br>Conejo<br>Creek/Arroyo<br>Conejo North<br>Fork on 1998<br>303d list) | River &<br>Stream | 40364000 /<br>18070103       | <u>Ammonia</u><br>Point Source                              | 5.5 Miles                  | 1996                 | B                  | 2003                        |
|        |   |                   |                              | <u>Chlordane (tissue)</u>                                   | 5.5 Miles                  | 1996                 | B                  | 2005                        |
|        |   |                   |                              | <u>DDT (tissue)</u>   | 5.5 Miles                  | 1996                 | B                  | 2005                        |
|        |   |                   |                              | <u>Dieldrin</u>   | 5.5 Miles                  | 2006                 | B                  | 2006                        |
|        |   |                   |                              | <u>PCBs</u><br><u>(Polychlorinated</u><br><u>biphenyls)</u> | 5.5 Miles                  | 1996                 | B                  | 2006                        |
|        |   |                   |                              | <u>Sulfates</u>   | 5.5 Miles                  | 2002                 | B                  | 2008                        |
|        |   |                   |                              | <u>Total Dissolved</u><br><u>Solids</u>                     | 5.5 Miles                  | 2002                 | B                  | 2008                        |
|        |   |                   |                              | <u>Toxaphene</u>  | 5.5 Miles                  | 1988                 | B                  | 2006                        |

## APPENDIX D

| REGION   | WATER BODY NAME  | WATER TYPE              | WATERSHED CALWATER / USGS HUC | POLLUTANT Relevant Notes           | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | ADDR ESSED BY | USEPA TMDL APPROVAL DATE |
|--|--|-------------------------|-------------------------------|------------------------------------|-------------------------|-------------------|---------------|--------------------------|
| 4  | Channel Islands Harbor Beach                               | Coastal & Bay Shoreline | 40311000 / 18070103           | <u>Indicator Bacteria</u>          | 0.03 Miles              | 2002              | B             | 2008                     |
| 4  | Dan Blocker Memorial (Coral) Beach                         | Coastal & Bay Shoreline | 40431000 / 18070104           | <u>Coliform Bacteria</u>           | 2.1 Miles               | 1998              | B             | 2002                     |
| (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                     |
| 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 &amp; 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                     |

## APPENDIX D

| REGION | WATER BODY NAME   | WATER TYPE              | WATERSHED * CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>       | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | ADDR ESSED BY** | USEPA TMDL APPROVAL DATE |
|--------|---|-------------------------|---------------------------------|--|-------------------------|-------------------|-----------------|--------------------------|
| 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><br>Point Source           | 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><br>Point Source | 7.9 Miles               | 1996              | B               | 2004                     |
|        |   |                         |                                 | <u>Trash</u>                             | 7.9 Miles               | 1996              | B               | 2008                     |
| 4      | Lunada Bay Beach  | Coastal & Bay Shoreline | 40511000 / 18070104             | <u>Indicator Bacteria</u>                | 0.63 Miles              | 1998              | B               | 2002                     |

## APPENDIX D

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

## APPENDIX D

| REGION | WATER BODY NAME              | WATER TYPE              | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i> | ESTIMATED AREA<br>ASSESSED | FIRST YEAR<br>LISTED | ADDR ESSED<br>BY** | USEPA TMDL<br>APPROVAL<br>DATE |
|--------|------------------------------|-------------------------|-------------------------------|------------------------------------|----------------------------|----------------------|--------------------|--------------------------------|
| 4      | Palo Comado Creek            | River & Stream          | 40423000 /<br>18070104        | <u>Coliform Bacteria</u>           | 6.8 Miles                  | 1996                 | B                  | 2005                           |
| 4      | Point Vicente Beach          | Coastal & Bay Shoreline | 40511000 /<br>18070104        | <u>Indicator Bacteria</u>          | 0.63 Miles                 | 1994                 | B                  | 2002                           |
| 4      | Resort Point Beach           | Coastal & Bay Shoreline | 40511000 /<br>18070104        | <u>Indicator Bacteria</u>          | 0.15 Miles                 | 1998                 | B                  | 2002                           |
| 4      | San Gabriel River, East Fork | River & Stream          | 40543000 /<br>18070106        | <u>Trash</u>                       | 5.9 Miles                  | 1996                 | B                  | 1999                           |
| 4      | Santa Monica Beach           | Coastal & Bay Shoreline | 40513000 /<br>18070104        | <u>Indicator Bacteria</u>          | 3 Miles                    | 1998                 | B                  | 2002                           |
| 4      | Stokes Creek                 | River & Stream          | 40422020 /<br>18070104        | <u>Coliform Bacteria</u>           | 4.7 Miles                  | 1996                 | B                  | 2005                           |
| 4      | Torrance Beach               | Coastal & Bay Shoreline | 40512000 /<br>18070104        | <u>Coliform Bacteria</u>           | 1.1 Miles                  | 1998                 | B                  | 2002                           |
| 4      | Torrey Canyon Creek          | River & Stream          | 40341000 /<br>18070103        | <u>Nitrate and Nitrite</u>         | 1.7 Miles                  | 1998                 | B                  | 2004                           |

## APPENDIX D

| REGION | WATER BODY NAME   | WATER TYPE                 | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i> | ESTIMATED AREA<br>ASSESSED | FIRST YEAR<br>LISTED | ADDR ESSED<br>BY | USEPA TMDL<br>APPROVAL<br>DATE |
|--------|-------------------|----------------------------|-------------------------------|------------------------------------|----------------------------|----------------------|------------------|--------------------------------|
| 4      | Venice Beach      | Coastal & Bay<br>Shoreline | 40513000 /<br>18070104        | <u>Indicator Bacteria</u>          | 2.5 Miles                  | 2006                 | B                | 2002                           |
| 4      | Will Rogers Beach | Coastal & Bay<br>Shoreline | 40513000 /<br>18070104        | <u>Indicator Bacteria</u>          | 3 Miles                    | 2006                 | B                | 2002                           |

## APPENDIX D

## 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 BODY NAME                   | WATER TYPE   | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>           | ESTIMATED AREA<br>ASSESSED | FIRST YEAR<br>LISTED | ADDRESS BY |
|--------|-----------------------------------|--------------|-------------------------------|--|----------------------------|----------------------|------------|
| 4      | Port Hueneme Harbor (Back Basins) | Bay & Harbor | 40311000 / 18070103           | DDT (tissue)                                 | 65 Acres                   | 1994                 | 2019       |
|        |                                   |              |                               | PCBs<br>(Polychlorinated biphenyls) (tissue) | 65 Acres                   | 1992                 | 2019       |



## APPENDIX E

## 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<br><i>Relevant Notes</i>                | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS | DATE |
|---|--------------------|-------------------------|---------------------------------|---|-------------------------|-------------------|-------------------------|------|
| 4   | Abalone Cove Beach | Coastal & Bay Shoreline | 40511000 / 18070104             | <u>DDT (sediment)</u>                             | 1.1 Miles               | 1998              | 5A                      | 2019 |
|   |                    |                         |                                 | <u>Indicator Bacteria</u>                         | 1.1 Miles               | 2006              | 5B                      | 2003 |
|   |                    |                         |                                 | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 1.1 Miles               | 1998              | 5A                      | 2019 |
| 4   | Alamitos Bay       | Bay & Harbor            | 40512000 / 18070104             | <u>Indicator Bacteria</u>                         | 328 Acres               | 2006              | 5A                      | 2019 |
| <i>The listing includes the areas 1st St. and Bayshore and 2nd St. Bridge and Bayshore.</i> |                    |                         |                                 |   |                         |                   |                         |      |
| 4   | Aliso Canyon Wash  | River & Stream          | 40521000 / 18070105             | <u>Copper</u>                                     | 10 Miles                | 1996              | 5A                      | 2019 |
|   |                    |                         |                                 | <u>Fecal Coliform</u>                             | 10 Miles                | 2006              | 5A                      | 2019 |
|   |                    |                         |                                 | <u>Selenium</u>                                   | 10 Miles                | 1996              | 5B                      | 2005 |

## APPENDIX E

| REGION                                     | WATER BODY NAME                                     | WATER TYPE              | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><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>  | 0.64 Miles              | 1998              | 5A                        | 2019     |
| <i>Fish Consumption Advisory for DDT.</i>  |   |                         |                               |   |                         |                   |                           |          |
|  |   |                         |                               | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 0.64 Miles              | 1998              | 5A                        | 2019     |
| <i>Fish Consumption Advisory for PCBs.</i> |   |                         |                               |   |                         |                   |                           |          |
| 4  | Arroyo Seco Reach 1 (LA River to West Holly Ave.)   | River & Stream          | 40515010 / 18070104           | <u>Coliform Bacteria</u>                          | 5.2 Miles               | 2002              | 5A                        | 2009     |
|  |   |                         |                               | <u>Trash</u>                                      | 5.2 Miles               | 2002              | 5B                        | 2008     |
| 4  | Arroyo Seco Reach 2 (Figueroa St. to Riverside Dr.) | River & Stream          | 40515010 / 18070104           | <u>Coliform Bacteria</u>                          | 4.4 Miles               | 2002              | 5A                        | 2009     |
|  |   |                         |                               | <u>Trash</u>                                      | 4.4 Miles               | 1996              | 5B                        | 2008     |
| 4  | Artesia-Norwalk Drain                               | River & Stream          | 40515010 / 18070104           | <u>Copper</u>                                     | 2.5 Miles               | 2008              | 5A                        | 2021     |
|  |   |                         |                               | <u>Indicator Bacteria</u>                         | 2.5 Miles               | 2008              | 5A                        | 2021     |
|  |   |                         |                               | <u>Selenium</u>                                   | 2.5 Miles               | 2008              | 5A                        | 2021     |

## APPENDIX E

| REGION  | WATER BODY NAME       | WATER TYPE              | WATERSHED CALWATER /USGS/HUC | POLLUTANT<br><i>Relevant Notes</i>       | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS | DATE |
|---|-----------------------|-------------------------|------------------------------|--|-------------------------|-------------------|-------------------------|------|
| 4   | Avalon Beach          | Coastal & Bay Shoreline | 40511000 / 18070107          | <u>Indicator Bacteria</u>                | 0.67 Miles              | 2002              | 5A                      | 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. |                       |                         |                              |  |                         |                   |                         |      |
| 4   | Ballona Creek         | River & Stream          | 40513000 / 18070104          | <u>Cadmium (sediment)</u>                | 6.5 Miles               | 1996              | 5A                      | 2005 |
|   |                       |                         |                              | <u>Coliform Bacteria</u>                 | 6.5 Miles               | 2002              | 5B                      | 2007 |
|   |                       |                         |                              | <u>Copper, Dissolved</u>                 | 6.5 Miles               | 2006              | 5B                      | 2005 |
|   |                       |                         |                              | <u>Cyanide</u>                           | 6.5 Miles               | 1996              | 5A                      | 2019 |
|   |                       |                         |                              | <u>Lead</u>                              | 6.5 Miles               | 2002              | 5B                      | 2005 |
|   |                       |                         |                              | <u>Selenium</u>                          | 6.5 Miles               | 2006              | 5B                      | 2005 |
|   |                       |                         |                              | <u>Shellfish Harvesting Advisory</u>     | 6.5 Miles               | 2006              | 5B                      | 2006 |
|   |                       |                         |                              | <u>Toxicity</u>                          | 6.5 Miles               | 1996              | 5B                      | 2005 |
|   |                       |                         |                              | <u>Trash</u>                             | 6.5 Miles               | 1996              | 5B                      | 2001 |
|   |                       |                         |                              | <u>Viruses (enteric)</u>                 | 6.5 Miles               | 1996              | 5B                      | 2007 |
|   |                       |                         |                              | <u>Zinc</u>                              | 6.5 Miles               | 1996              | 5B                      | 2005 |
| 4   | Ballona Creek Estuary | River & Stream          | 40513000 / 18070104          | <u>Cadmium</u>                           | 2.3 Miles               | 1992              | 5B                      | 2005 |
|   |                       |                         |                              | <u>Chlordane (tissue &amp; sediment)</u> | 2.3 Miles               | 1998              | 5B                      | 2005 |
|   |                       |                         |                              | <u>Coliform Bacteria</u>                 | 2.3 Miles               | 1998              | 5B                      | 2007 |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME     | WATER<br>TYPE     | WATERSHED<br>CALWATER<br>/USGS HUC | POLLUTANT<br><i>Relevant Notes</i>  | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE<br>*** |
|--------|---------------------------|-------------------|------------------------------------|---|-------------------------------|-------------------------|---------------------------------|-------------|
|        |                           |                   |                                    | <u>Copper</u>   | 2.3 Miles                     | 1992                    | 5B                              | 2005        |
|        |                           |                   |                                    | <u>DDT (tissue &amp;<br/>sediment)</u>                                      | 2.3 Miles                     | 2006                    | 5B                              | 2005        |
|        |                           |                   |                                    | <u>Lead (sediment)</u>  | 2.3 Miles                     | 1992                    | 5B                              | 2005        |
|        |                           |                   |                                    | <u>PAHs (Polycyclic<br/>Aromatic<br/>Hydrocarbons)<br/>(sediment)</u>       | 2.3 Miles                     | 1998                    | 5B                              | 2005        |
|        |                           |                   |                                    | <u>PCBs<br/>(Polychlorinated<br/>biphenyls) (tissue<br/>&amp; sediment)</u> | 2.3 Miles                     | 1998                    | 5B                              | 2005        |
|        |                           |                   |                                    | <u>Sediment Toxicity</u>  | 2.3 Miles                     | 1998                    | 5B                              | 2005        |
|        |                           |                   |                                    | <u>Shellfish<br/>Harvesting<br/>Advisory</u>                                | 2.3 Miles                     | 1998                    | 5A                              | 2006        |
|        |                           |                   |                                    | <u>Silver</u>   | 2.3 Miles                     | 1992                    | 5B                              | 2005        |
|        |                           |                   |                                    | <u>Zinc (sediment)</u>  | 2.3 Miles                     | 1992                    | 5B                              | 2005        |
| <hr/>  |                           |                   |                                    |   |                               |                         |                                 |             |
| 4      | Ballona Creek<br>Wetlands | Wetland,<br>Tidal | 40517000 /<br>18070104             | <u>Exotic Vegetation</u>  | 289 Acres                     | 1996                    | 5A                              | 2019        |
|        |                           |                   |                                    | <u>Habitat alterations</u>  | 289 Acres                     | 1996                    | 5A                              | 2019        |
|        |                           |                   |                                    | <u>Hydromodificatio<br/>n</u>   | 289 Acres                     | 1996                    | 5A                              | 2019        |
|        |                           |                   |                                    | <u>Reduced Tidal<br/>Flushing</u>   | 289 Acres                     | 1996                    | 5A                              | 2019        |
|        |                           |                   |                                    | <u>Trash</u>  | 289 Acres                     | 1996                    | 5B                              | 2019        |

## APPENDIX E

| REGION | WATER BODY NAME         | WATER TYPE              | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>         | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE |
|--------|-------------------------|-------------------------|-------------------------------|--|-------------------------|-------------------|---------------------------|------|
| 4      | Bell Creek              | River & Stream          | 40521000 / 18070104           | <u>Coliform Bacteria</u>                   | 8.9 Miles               | 1996              | 5A                        | 2009 |
| 4      | Big Rock Beach          | Coastal & Bay Shoreline | 40431000 / 18070104           | <u>Coliform Bacteria</u>                   | 0.74 Miles              | 1998              | 5B                        | 2003 |
|        |                         |                         |                               | <u>DDT</u>                                 | 0.74 Miles              | 1998              | 5A                        | 2019 |
|        |                         |                         |                               | <i>Fish Consumption Advisory for DDT.</i>  |                         |                   |                           |      |
|        |                         |                         |                               | <u>PCBs</u><br>(Polychlorinated biphenyls) | 0.74 Miles              | 1998              | 5A                        | 2019 |
|        |                         |                         |                               | <i>Fish Consumption Advisory for PCBs.</i> |                         |                   |                           |      |
| 4      | Bluff Cove Beach        | Coastal & Bay Shoreline | 40511000 / 18070104           | <u>DDT</u>                                 | 0.55 Miles              | 1998              | 5A                        | 2019 |
|        |                         |                         |                               | <i>Fish Consumption Advisory for DDT.</i>  |                         |                   |                           |      |
|        |                         |                         |                               | <u>Indicator Bacteria</u>                  | 0.55 Miles              | 1998              | 5B                        | 2003 |
|        |                         |                         |                               | <u>PCBs</u><br>(Polychlorinated biphenyls) | 0.55 Miles              | 1998              | 5A                        | 2019 |
|        |                         |                         |                               | <i>Fish Consumption Advisory for PCBs.</i> |                         |                   |                           |      |
| 4      | Bull Creek              | River & Stream          | 40521000 / 18070105           | <u>Indicator Bacteria</u>                  | 2.3 Miles               | 2008              | 5A                        | 2021 |
| 4      | Burbank Western Channel | River & Stream          | 40521000 / 18070105           | <u>Copper</u>                              | 13 Miles                | 2006              | 5B                        | 2005 |
|        |                         |                         |                               | <u>Cyanide</u>                             | 13 Miles                | 2006              | 5A                        | 2019 |

## APPENDIX E

| REGION | WATER BODY NAME   | WATER TYPE              | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE *** |
|--------|---|-------------------------|-------------------------------|---|-------------------------|-------------------|---------------------------|----------|
|        |   |                         |                               | <u>Indicator Bacteria</u>                         | 13 Miles                | 2008              | 5A                        | 2021     |
|        |   |                         |                               | <u>Lead</u>                                       | 13 Miles                | 2006              | 5B                        | 2005     |
|        |   |                         |                               | <u>Selenium</u>                                   | 13 Miles                | 2008              | 5A                        | 2021     |
|        |   |                         |                               | <u>Trash</u>                                      | 13 Miles                | 1996              | 5B                        | 2008     |
| 4      | Cabrillo Beach (Outer)  | Coastal & Bay Shoreline | 40512000 / 18070104           | <u>DDT</u>  | 0.58 Miles              | 1998              | 5A                        | 2019     |
|        |   |                         |                               | <i>Fish consumption advisory for DDT.</i>         |                         |                   |                           |          |
|        |   |                         |                               | <u>Indicator Bacteria</u>                         | 0.58 Miles              | 1998              | 5B                        | 2003     |
|        |   |                         |                               | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 0.58 Miles              | 1998              | 5A                        | 2019     |
|        |   |                         |                               | <i>Fish consumption advisory for PCBs.</i>        |                         |                   |                           |          |
| 4      | Calleguas Creek Reach 1 (was Mugu Lagoon on 1998 303(d) list) | Estuary                 | 40311000 / 18070103           | <u>Chlordane (tissue)</u>                         | 344 Acres               | 1992              | 5B                        | 2005     |
|        |   |                         |                               | <u>Copper</u>                                     | 344 Acres               | 1996              | 5B                        | 2007     |
|        |   |                         |                               | <u>DDT (tissue &amp; sediment)</u>                | 344 Acres               | 1992              | 5B                        | 2005     |
|        |   |                         |                               | <u>Dieldrin</u>                                   | 344 Acres               | 2006              | 5B                        | 2006     |
|        |   |                         |                               | <u>Endosulfan (tissue)</u>                        | 344 Acres               | 2006              | 5A                        | 2005     |
|        |   |                         |                               | <u>Mercury</u>                                    | 344 Acres               | 1996              | 5B                        | 2007     |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME | WATER<br>TYPE | WATERSHED<br>CALWATER<br>/USGS/HUC | POLLUTANT<br><i>Relevant Notes</i>                                   | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE |
|--------|-----------------------|---------------|------------------------------------|--|-------------------------------|-------------------------|---------------------------------|------|
|        |                       |               |                                    | <u>Nickel</u>  | 344 Acres                     | 1996                    | 5B                              | 2007 |
|        |                       |               |                                    | <u>Nitrogen</u>  | 344 Acres                     | 1996                    | 5B                              | 2003 |
|        |                       |               |                                    | <u>PCBs</u><br><u>(Polychlorinated</u><br><u>biphenyls) (tissue)</u> | 344 Acres                     | 1996                    | 5B                              | 2005 |
|        |                       |               |                                    | <u>Sediment Toxicity</u>   | 344 Acres                     | 1996                    | 5B                              | 2005 |
|        |                       |               |                                    | <u>Sedimentation/Silt</u><br><u>ation</u>                            | 344 Acres                     | 1992                    | 5B                              | 1900 |
|        |                       |               |                                    | <u>Toxaphene</u>   | 344 Acres                     | 2006                    | 5B                              | 2006 |
|        |                       |               |                                    | <u>Zinc</u>  | 344 Acres                     | 1996                    | 5B                              | 2007 |

|  |  |                   |                        |   |           |      |    |      |
|--|--|-------------------|------------------------|---|-----------|------|----|------|
|  | Calleguas<br>Creek Reach<br>2 (estuary to<br>Potrero Rd-<br>was Calleguas<br>Creek<br>Reaches 1 and<br>2 on 1998<br>303d list) | River &<br>Stream | 40312000 /<br>18070103 | <u>Ammonia</u>                                      | 4.3 Miles | 1996 | 5B | 2003 |
|  |  |                   |                        | <u>ChemA (tissue)</u>                               | 4.3 Miles | 1996 | 5A | 2005 |
|  |  |                   |                        | <i>Historical use of pesticides and lubricants.</i> |           |      |    |      |
|  |  |                   |                        | <u>Chlordane (tissue)</u>                           | 4.3 Miles | 1996 | 5B | 2005 |
|  |  |                   |                        | <u>Copper, Dissolved</u>                            | 4.3 Miles | 2002 | 5B | 2007 |
|  |  |                   |                        | <u>DDT</u>  | 4.3 Miles | 1996 | 5B | 2005 |
|  |  |                   |                        | <u>DDT (tissue &amp;<br/>sediment)</u>              | 4.3 Miles | 1996 | 5B | 2005 |
|  |  |                   |                        | <u>Dieldrin</u>                                     | 4.3 Miles | 2006 | 5B | 2006 |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME | WATER<br>TYPE | WATERSHED<br>*CALWATER<br>/USGS/HUC | POLLUTANT<br><i>Relevant Notes</i>                     | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE |
|--------|-----------------------|---------------|-------------------------------------|--|-------------------------------|-------------------------|---------------------------------|------|
|        |                       |               |                                     | <u>Endosulfan</u><br>(tissue)                          | 4.3 Miles                     | 2006                    | 5A                              | 2005 |
|        |                       |               |                                     | <u>Fecal Coliform</u>                                  | 4.3 Miles                     | 2002                    | 5A                              | 2006 |
|        |                       |               |                                     | Area affected is at the mouth of the creek.            |                               |                         |                                 |      |
|        |                       |               |                                     | <u>Nitrogen</u>  | 4.3 Miles                     | 2002                    | 5B                              | 2003 |
|        |                       |               |                                     | <u>PCBs</u><br>(Polychlorinated<br>biphenyls) (tissue) | 4.3 Miles                     | 1996                    | 5B                              | 2005 |
|        |                       |               |                                     | <u>Sediment Toxicity</u>                               | 4.3 Miles                     | 1996                    | 5B                              | 2005 |
|        |                       |               |                                     | <u>Sedimentation/Silt<br/>ation</u>                    | 4.3 Miles                     | 2002                    | 5A                              | 2005 |
|        |                       |               |                                     | <u>Toxaphene (tissue<br/>&amp; sediment)</u>           | 4.3 Miles                     | 1988                    | 5B                              | 2005 |

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|   |  |                   |                        |                            |           |      |    |      |
|---|--|-------------------|------------------------|----------------------------|-----------|------|----|------|
| 4 | Calleguas<br>Creek Reach<br>3 (Potrero<br>Road<br>upstream to<br>confluence<br>with Conejo<br>Creek on<br>1998 303d<br>list) | River &<br>Stream | 40312000 /<br>18070103 | <u>Ammonia</u>             | 3.5 Miles | 1996 | 5B | 2003 |
|   |  |                   |                        | <u>Chlordane</u>           | 3.5 Miles | 1996 | 5B | 2006 |
|   |  |                   |                        | <u>Chloride</u>            | 3.5 Miles | 2002 | 5B | 2008 |
|   |  |                   |                        | <u>DDT</u>                 | 3.5 Miles | 1996 | 5B | 2019 |
|   |  |                   |                        | <u>Dieldrin</u>            | 3.5 Miles | 2006 | 5B | 2019 |
|   |  |                   |                        | <u>Nitrate and Nitrite</u> | 3.5 Miles | 1996 | 5B | 2003 |



## APPENDIX E

| REGION | WATER BODY NAME | WATER TYPE | WATERSHED CALWATER /USGS HUC | POLLUTANT<br><i>Relevant Notes</i>         | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE *** |
|--------|-----------------|------------|------------------------------|--|-------------------------|-------------------|---------------------------|----------|
|        |                 |            |                              | <u>PCBs</u><br>(Polychlorinated biphenyls) | 3.5 Miles               | 1996              | 5B                        | 2006     |
|        |                 |            |                              | <u>Sedimentation/Siltation</u>             | 3.5 Miles               | 2002              | 5A                        | 2005     |
|        |                 |            |                              | <u>Toxaphene</u>                           | 3.5 Miles               | 1988              | 5B                        | 2019     |

|   |   |                |                     |                       |           |      |    |      |
|---|---|----------------|---------------------|-----------------------|-----------|------|----|------|
| 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 | 5A | 2005 |
|---|---|----------------|---------------------|-----------------------|-----------|------|----|------|

*Historical use of pesticides and lubricants.*

|  |   |           |      |    |      |
|--|---|-----------|------|----|------|
|  | <u>Chlordane (tissue &amp; sediment)</u>  | 7.2 Miles | 1996 | 5B | 2005 |
|  | <u>Chlorpyrifos (tissue)</u>              | 7.2 Miles | 2006 | 5B | 2005 |
|  | <u>DDT (tissue &amp; sediment)</u>        | 7.2 Miles | 1996 | 5B | 2005 |
|  | <u>Diazinon</u>                           | 7.2 Miles | 2006 | 5B | 2006 |
|  | <u>Dieldrin (tissue)</u>                  | 7.2 Miles | 2006 | 5B | 2005 |
|  | <u>Endosulfan (tissue &amp; sediment)</u> | 7.2 Miles | 2006 | 5A | 2005 |
|  | <u>Fecal Coliform</u>                     | 7.2 Miles | 2002 | 5A | 2006 |
|  | <u>Nitrate as Nitrate (NO3)</u>           | 7.2 Miles | 1996 | 5B | 2003 |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME   | WATER<br>TYPE     | WATERSHED<br>CALWATER<br>/USGSHUC | POLLUTANT<br><i>Relevant Notes</i>                                   | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE |
|--------|---|-------------------|-----------------------------------|--|-------------------------------|-------------------------|---------------------------------|------|
|        |   |                   |                                   | <u>Nitrogen</u>  | 7.2 Miles                     | 2002                    | 5B                              | 2003 |
|        |   |                   |                                   | <u>PCBs</u><br><u>(Polychlorinated</u><br><u>biphenyls) (tissue)</u> | 7.2 Miles                     | 1996                    | 5B                              | 2005 |
|        |   |                   |                                   | <u>Sedimentation/Silt</u><br><u>ation</u>                            | 7.2 Miles                     | 2002                    | 5A                              | 2005 |
|        |   |                   |                                   | <u>Selenium</u>  | 7.2 Miles                     | 2002                    | 5B                              | 2007 |
|        |   |                   |                                   | <u>Toxaphene (tissue</u><br><u>&amp; sediment)</u>                   | 7.2 Miles                     | 1988                    | 5B                              | 2005 |
|        |   |                   |                                   | <u>Toxicity</u>  | 7.2 Miles                     | 1996                    | 5B                              | 2005 |
|        |   |                   |                                   | <u>Trash</u>   | 7.2 Miles                     | 2002                    | 5B                              | 2008 |
| <hr/>  |   |                   |                                   |  |                               |                         |                                 |      |
| 4      | Calleguas<br>Creek Reach<br>5 (was<br>Beardsley<br>Channel on<br>1998 303d<br>list) | River &<br>Stream | 40311000 /<br>18070103            | <u>ChemA (tissue)</u>  | 4.3 Miles                     | 1996                    | 5A                              | 2005 |
|        |   |                   |                                   | <u>Chlordane (tissue</u><br><u>&amp; sediment)</u>                   | 4.3 Miles                     | 1996                    | 5B                              | 2005 |
|        |   |                   |                                   | <u>Chlorpyrifos</u><br><u>(tissue)</u>                               | 4.3 Miles                     | 2006                    | 5B                              | 2005 |
|        |   |                   |                                   | <u>DDT (tissue &amp;</u><br><u>sediment)</u>                         | 4.3 Miles                     | 1996                    | 5B                              | 2005 |
|        |   |                   |                                   | <u>Dacthal (sediment)</u>  | 4.3 Miles                     | 2006                    | 5A                              | 2005 |
|        |   |                   |                                   | <u>Diazinon</u>  | 4.3 Miles                     | 2006                    | 5B                              | 2006 |
|        |   |                   |                                   | <u>Dieldrin (tissue)</u>   | 4.3 Miles                     | 2002                    | 5B                              | 2005 |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME | WATER<br>TYPE | WATERSHED<br>CALWATER<br>/USGS/HUC | POLLUTANT<br>Relevant Notes                              | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE<br>*** |
|--------|-----------------------|---------------|------------------------------------|--|-------------------------------|-------------------------|---------------------------------|-------------|
|        |                       |               |                                    | <u>Endosulfan (tissue<br/>&amp; sediment)</u>            | 4.3 Miles                     | 2006                    | 5A                              | 2005        |
|        |                       |               |                                    | <u>Nitrogen</u>  | 4.3 Miles                     | 2002                    | 5B                              | 2003        |
|        |                       |               |                                    | <u>PCBs<br/>(Polychlorinated<br/>biphenyls) (tissue)</u> | 4.3 Miles                     | 1996                    | 5B                              | 2005        |
|        |                       |               |                                    | <u>Sedimentation/Silt<br/>ation</u>                      | 4.3 Miles                     | 2002                    | 5A                              | 2005        |
|        |                       |               |                                    | <u>Toxaphene (tissue<br/>&amp; sediment)</u>             | 4.3 Miles                     | 1988                    | 5B                              | 2005        |
|        |                       |               |                                    | <u>Toxicity</u>  | 4.3 Miles                     | 1996                    | 5B                              | 2005        |
|        |                       |               |                                    | <u>Trash</u>   | 4.3 Miles                     | 2002                    | 5B                              | 2008        |

|   |  |                   |                        |                       |          |      |    |      |
|---|--|-------------------|------------------------|-----------------------|----------|------|----|------|
| 4 | Calleguas<br>Creek Reach<br>6 ( was<br>Arroyo Las<br>Posas<br>Reaches 1 and<br>2 on 1998<br>303d list) | River &<br>Stream | 40362000 /<br>18070103 | <u>Ammonia</u>        | 15 Miles | 1996 | 5B | 2003 |
|   |  |                   |                        | <u>Chlordane</u>      | 15 Miles | 1996 | 5B | 2006 |
|   |  |                   |                        | <u>Chloride</u>       | 15 Miles | 2002 | 5B | 2008 |
|   |  |                   |                        | <u>Chlorpyrifos</u>   | 15 Miles | 2006 | 5B | 2006 |
|   |  |                   |                        | <u>DDT (sediment)</u> | 15 Miles | 1996 | 5B | 2005 |
|   |  |                   |                        | <u>Diazinon</u>       | 15 Miles | 2006 | 5B | 2006 |
|   |  |                   |                        | <u>Dieldrin</u>       | 15 Miles | 2006 | 5B | 2006 |
|   |  |                   |                        | <u>Fecal Coliform</u> | 15 Miles | 2002 | 5A | 2006 |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME   | WATER<br>TYPE     | WATERSHED<br>CALWATER<br>/USGS HUC | POLLUTANT<br>Relevant Notes            | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE<br>*** |
|--------|---|-------------------|------------------------------------|--|-------------------------------|-------------------------|---------------------------------|-------------|
|        |   |                   |                                    | <u>Nitrate and Nitrite</u>             | 15 Miles                      | 1996                    | 5B                              | 2003        |
|        |   |                   |                                    | <u>Nitrate as Nitrate<br/>(NO3)</u>    | 15 Miles                      | 1996                    | 5B                              | 2003        |
|        |   |                   |                                    | <u>Sedimentation/Silt<br/>ation</u>    | 15 Miles                      | 2002                    | 5A                              | 2005        |
|        |   |                   |                                    | <u>Sulfates</u>                        | 15 Miles                      | 2002                    | 5B                              | 2008        |
|        |   |                   |                                    | <u>Total Dissolved<br/>Solids</u>      | 15 Miles                      | 2002                    | 5B                              | 2008        |
|        |   |                   |                                    | <u>Toxicity</u>                        | 15 Miles                      | 1996                    | 5B                              | 2006        |
| <hr/>  |   |                   |                                    |  |                               |                         |                                 |             |
| 4      | Calleguas<br>Creek Reach<br>7 (was Arroyo<br>Simi Reaches<br>1 and 2 on<br>1998 303d<br>list) | River &<br>Stream | 40367000 /<br>18070103             | <u>Ammonia</u>                         | 14 Miles                      | 1996                    | 5B                              | 2003        |
|        |   |                   |                                    | <u>Boron</u>                           | 14 Miles                      | 2002                    | 5B                              | 2008        |
|        |   |                   |                                    | <u>Chloride</u>                        | 14 Miles                      | 2002                    | 5B                              | 2008        |
|        |   |                   |                                    | <u>Chlorpyrifos</u>                    | 14 Miles                      | 2006                    | 5B                              | 2006        |
|        |   |                   |                                    | <u>Diazinon</u>                        | 14 Miles                      | 2006                    | 5B                              | 2006        |
|        |   |                   |                                    | <u>Indicator Bacteria</u>              | 14 Miles                      |                         | 5A                              | 2019        |
|        |   |                   |                                    | <u>Organophosphorus<br/>Pesticides</u> | 14 Miles                      | 1996                    | 5B                              | 2005        |
|        |   |                   |                                    | <u>Sedimentation/Silt<br/>ation</u>    | 14 Miles                      | 2002                    | 5A                              | 2005        |
|        |   |                   |                                    | <u>Sulfates</u>                        | 14 Miles                      | 2002                    | 5B                              | 2008        |
|        |   |                   |                                    | <u>Total Dissolved<br/>Solids</u>      | 14 Miles                      | 2002                    | 5B                              | 2008        |

## APPENDIX E

| REGION | WATER BODY NAME                                   | WATER TYPE     | WATERSHED CALWATER /USGS HUC | POLLUTANT<br><i>Relevant Notes</i>      | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE *** |
|--------|---|----------------|------------------------------|---|-------------------------|-------------------|---------------------------|----------|
|        |   |                |                              | <u>Toxicity</u>                         | 14 Miles                | 1996              | 5B                        | 2006     |
|        |   |                |                              | <u>Trash</u>                            | 14 Miles                | 2008              | 5A                        | 2021     |
| <hr/>  |   |                |                              |   |                         |                   |                           |          |
| 4      | Calleguas Creek Reach 8 (was Tapo Canyon Reach 1) | River & Stream | 40366000 / 18070103          | <u>Boron</u>                            | 7.2 Miles               | 2002              | 5B                        | 2008     |
|        |   |                |                              | <u>Chlordane</u>                        | 7.2 Miles               | 1996              | 5B                        | 2006     |
|        |   |                |                              | <u>Chloride</u>                         | 7.2 Miles               | 2002              | 5B                        | 2008     |
|        |   |                |                              | <u>Chlorpyrifos</u>                     | 7.2 Miles               | 2006              | 5B                        | 2006     |
|        |   |                |                              | <u>DDT</u>                              | 7.2 Miles               | 1996              | 5B                        | 2006     |
|        |   |                |                              | <u>Diazinon</u>                         | 7.2 Miles               | 2002              | 5B                        | 2006     |
|        |   |                |                              | <u>Dieldrin</u>                         | 7.2 Miles               | 2006              | 5B                        | 2006     |
|        |   |                |                              | <u>PCBs (Polychlorinated biphenyls)</u> | 7.2 Miles               | 1996              | 5B                        | 2006     |
|        |   |                |                              | <u>Sedimentation/Siltation</u>          | 7.2 Miles               | 2002              | 5A                        | 2005     |
|        |   |                |                              | <u>Sulfates</u>                         | 7.2 Miles               | 2002              | 5B                        | 2008     |
|        |   |                |                              | <u>Total Dissolved Solids</u>           | 7.2 Miles               | 2002              | 5B                        | 2008     |
|        |   |                |                              | <u>Toxaphene</u>                        | 7.2 Miles               | 1988              | 5B                        | 2006     |

## APPENDIX E

| REGION | WATER BODY NAME   | WATER TYPE     | WATERSHED # CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                              | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS | DATE |
|--------|---|----------------|---------------------------------|---|-------------------------|-------------------|-------------------------|------|
| 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              | 5A                      | 2005 |
|        |   |                |                                 | <u>Chlordane (tissue)</u>                                       | 1.7 Miles               | 1996              | 5B                      | 2005 |
|        |   |                |                                 | <i>Historical use of pesticides and lubricants.</i>             |                         |                   |                         |      |
|        |   |                |                                 | <u>Chlorpyrifos</u>   | 1.7 Miles               | 2006              | 5B                      | 2006 |
|        |   |                |                                 | <u>DDT (tissue)</u>   | 1.7 Miles               | 1996              | 5B                      | 2005 |
|        |   |                |                                 | <u>Diazinon</u>   | 1.7 Miles               | 2006              | 5B                      | 2006 |
|        |   |                |                                 | <u>Dieldrin (tissue)</u>  | 1.7 Miles               | 2002              | 5B                      | 2005 |
|        |   |                |                                 | <i>Historical use of pesticides and lubricants.</i>             |                         |                   |                         |      |
|        |   |                |                                 | <u>Endosulfan (tissue)</u>                                      | 1.7 Miles               | 2006              | 5A                      | 2005 |
|        |   |                |                                 | <u>Fecal Coliform</u>   | 1.7 Miles               | 2002              | 5A                      | 2006 |
|        |   |                |                                 | <u>Lindane/gamma-Hexachlorocyclohexane (gamma-HCH) (tissue)</u> | 1.7 Miles               | 2002              | 5A                      | 2005 |
|        |   |                |                                 | <i>Historical use of pesticides and lubricants.</i>             |                         |                   |                         |      |
|        |   |                |                                 | <u>Nitrate as Nitrate (NO3)</u>                                 | 1.7 Miles               | 1996              | 5B                      | 2003 |
|        |   |                |                                 | <u>Nitrogen, Nitrate</u>  | 1.7 Miles               | 1996              | 5B                      | 2003 |
|        |   |                |                                 | <u>PCBs (Polychlorinated biphenyls) (tissue)</u>                | 1.7 Miles               | 1996              | 5B                      | 2005 |
|        |   |                |                                 | <i>Historical use of pesticides and lubricants.</i>             |                         |                   |                         |      |

## APPENDIX E

| REGION | WATER BODY NAME   | WATER TYPE     | WATERSHED CALWATER /USGS HUC | POLLUTANT<br>Relevant Notes              | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE *** |
|--------|---|----------------|------------------------------|--|-------------------------|-------------------|---------------------------|----------|
|        |   |                |                              | <u>Sulfates</u>                          | 1.7 Miles               | 2002              | 5B                        | 2008     |
|        |   |                |                              | <u>Total Dissolved Solids</u>            | 1.7 Miles               | 2002              | 5B                        | 2008     |
|        |   |                |                              | <u>Toxaphene (tissue &amp; sediment)</u> | 1.7 Miles               | 1988              | 5B                        | 2005     |
|        |   |                |                              | <u>Toxicity</u>                          | 1.7 Miles               | 1996              | 5B                        | 2006     |
| <hr/>  |   |                |                              |  |                         |                   |                           |          |
| 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              | 5B                        | 2003     |
|        |   |                |                              | <u>ChemA (tissue)</u>                    | 6.2 Miles               | 1996              | 5A                        | 2005     |
|        |   |                |                              | <u>Chlordane</u>                         | 6.2 Miles               | 1996              | 5B                        | 2006     |
|        |   |                |                              | <u>Chloride</u>                          | 6.2 Miles               | 2002              | 5B                        | 2008     |
|        |   |                |                              | <u>Chlorpyrifos</u>                      | 6.2 Miles               | 2006              | 5B                        | 2006     |
|        |   |                |                              | <u>DDT (tissue)</u>                      | 6.2 Miles               | 1996              | 5B                        | 2005     |
|        |   |                |                              | <u>Diazinon</u>                          | 6.2 Miles               | 2006              | 5B                        | 2006     |
|        |   |                |                              | <u>Dieldrin</u>                          | 6.2 Miles               | 2006              | 5B                        | 2006     |
|        |   |                |                              | <u>Endosulfan (tissue)</u>               | 6.2 Miles               | 2006              | 5A                        | 2005     |
|        |   |                |                              | <u>Indicator Bacteria</u>                | 6.2 Miles               |                   | 5A                        | 2019     |
|        |   |                |                              | <u>PCBs (Polychlorinated biphenyls)</u>  | 6.2 Miles               | 1996              | 5B                        | 2006     |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME   | WATER<br>TYPE     | WATERSHED<br>* CALWATER<br>/USGS HUC | POLLUTANT<br><i>Relevant Notes</i>           | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE<br>*** |
|--------|---|-------------------|--------------------------------------|--|-------------------------------|-------------------------|---------------------------------|-------------|
|        |   |                   |                                      | <u>Sulfates</u>                              | 6.2 Miles                     | 2002                    | 5B                              | 2008        |
|        |   |                   |                                      | <u>Total Dissolved<br/>Solids</u>            | 6.2 Miles                     | 2002                    | 5B                              | 2008        |
|        |   |                   |                                      | <u>Toxaphene (tissue<br/>&amp; sediment)</u> | 6.2 Miles                     | 1988                    | 5B                              | 2005        |
|        |   |                   |                                      | <u>Toxicity</u>                              | 6.2 Miles                     | 1996                    | 5B                              | 2006        |
| 4      | Calleguas<br>Creek Reach<br>10 (Conejo<br>Creek (Hill<br>Canyon)-was<br>part of Conejo<br>Crk Reaches<br>2 & 3, and<br>lower Conejo<br>Crk/Arroyo<br>Conejo N Fk<br>on 1998 303d<br>list) | River &<br>Stream | 40364000 /<br>18070103               | <u>Ammonia</u>                               | 3 Miles                       | 1996                    | 5B                              | 2002        |
|        |   |                   |                                      | <u>ChemA (tissue)</u>                        | 3 Miles                       | 1996                    | 5A                              | 2005        |
|        |   |                   |                                      | <u>Chlordane</u>                             | 3 Miles                       | 1996                    | 5B                              | 2006        |
|        |   |                   |                                      | <u>Chloride</u>                              | 3 Miles                       | 2002                    | 5B                              | 2008        |
|        |   |                   |                                      | <u>Chlorpyrifos</u>                          | 3 Miles                       | 2006                    | 5B                              | 2006        |
|        |   |                   |                                      | <u>DDT (tissue)</u>                          | 3 Miles                       | 1996                    | 5B                              | 2005        |
|        |   |                   |                                      | <u>Diazinon</u>                              | 3 Miles                       | 2006                    | 5B                              | 2006        |
|        |   |                   |                                      | <u>Dieldrin</u>                              | 3 Miles                       | 2006                    | 5B                              | 2006        |
|        |   |                   |                                      | <u>Endosulfan<br/>(tissue)</u>               | 3 Miles                       | 2006                    | 5A                              | 2005        |
|        |   |                   |                                      | <u>Fecal Coliform</u>                        | 3 Miles                       | 2002                    | 5A                              | 2006        |
|        |   |                   |                                      | <u>Nitrogen, Nitrite</u>                     | 3 Miles                       | 1996                    | 5B                              | 2003        |



## APPENDIX E

| REGION | WATER BODY NAME  | WATER TYPE     | WATERSHED / CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE |
|--------|--|----------------|---------------------------------|---|-------------------------|-------------------|---------------------------|------|
|        |  |                |                                 | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 3 Miles                 | 1996              | 5B                        | 2006 |
|        |  |                |                                 | <u>Sulfates</u>                                   | 3 Miles                 | 2002              | 5B                        | 2008 |
|        |  |                |                                 | <u>Total Dissolved Solids</u>                     | 3 Miles                 | 2002              | 5B                        | 2008 |
|        |  |                |                                 | <u>Toxaphene (tissue &amp; sediment)</u>          | 3 Miles                 | 1988              | 5B                        | 2005 |
|        |  |                |                                 | <u>Toxicity</u>                                   | 3 Miles                 | 1996              | 5B                        | 2005 |
| 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              | 5B                        | 2003 |
|        |  |                |                                 | <u>ChemA (tissue)</u>                             | 8.7 Miles               | 1996              | 5A                        | 2005 |
|        |  |                |                                 | <u>Chlordane</u>                                  | 8.7 Miles               | 1996              | 5B                        | 2006 |
|        |  |                |                                 | <u>DDT (tissue)</u>                               | 8.7 Miles               | 1996              | 5B                        | 2005 |
|        |  |                |                                 | <u>Dieldrin</u>                                   | 8.7 Miles               | 2006              | 5B                        | 2006 |
|        |  |                |                                 | <u>Endosulfan (tissue)</u>                        | 8.7 Miles               | 2006              | 5A                        | 2005 |
|        |  |                |                                 | <u>Fecal Coliform</u>                             | 8.7 Miles               | 2002              | 5A                        | 2006 |
|        |  |                |                                 | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 8.7 Miles               | 1996              | 5B                        | 2006 |
|        |  |                |                                 | <u>Sedimentation/Siltation</u>                    | 8.7 Miles               | 2002              | 5A                        | 2005 |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME | WATER<br>TYPE | WATERSHED<br>* CALWATER<br>/ USGS HUC | POLLUTANT<br><i>Relevant Notes</i>           | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE<br>*** |
|--------|-----------------------|---------------|---------------------------------------|--|-------------------------------|-------------------------|---------------------------------|-------------|
|        |                       |               |                                       | <u>Sulfates</u>                              | 8.7 Miles                     | 2002                    | 5B                              | 2008        |
|        |                       |               |                                       | <u>Total Dissolved</u>                       |                               |                         |                                 |             |
|        |                       |               |                                       | <u>Solids</u>                                | 8.7 Miles                     | 2002                    | 5B                              | 2008        |
|        |                       |               |                                       | <u>Toxaphene (tissue<br/>&amp; sediment)</u> | 8.7 Miles                     | 1988                    | 5B                              | 2005        |
|        |                       |               |                                       | <u>Toxicity</u>                              | 8.7 Miles                     | 1996                    | 5B                              | 2005        |

|   |  |                   |                        |   |          |      |    |      |
|---|--|-------------------|------------------------|---|----------|------|----|------|
|   | Calleguas<br>Creek Reach<br>13 (Conejo<br>Creek South<br>Fork, was<br>Conejo Cr<br>Reach 4 and<br>part of Reach<br>3 on 1998<br>303d list) | River &<br>Stream | 40368000 /<br>18070104 |   |          |      |    |      |
| 4 |  |                   |                        | <u>Ammonia</u>                                  | 17 Miles | 1996 | 5B | 2003 |
|   |  |                   |                        | <u>ChemA (tissue)</u>                           | 17 Miles | 1996 | 5A | 2005 |
|   |  |                   |                        | <u>Chlordane</u>                                | 17 Miles | 1996 | 5B | 2006 |
|   |  |                   |                        | <u>Chloride</u>                                 | 17 Miles | 2002 | 5B | 2008 |
|   |  |                   |                        | <u>DDT (tissue)</u>                             | 17 Miles | 1996 | 5B | 2005 |
|   |  |                   |                        | <u>Dieldrin</u>                                 | 17 Miles | 2006 | 5B | 2006 |
|   |  |                   |                        | <u>Endosulfan<br/>(tissue)</u>                  | 17 Miles | 2006 | 5A | 2005 |
|   |  |                   |                        | <u>PCBs<br/>(Polychlorinated<br/>biphenyls)</u> | 17 Miles | 1996 | 5B | 2006 |
|   |  |                   |                        | <u>Sulfates</u>                                 | 17 Miles | 2002 | 5B | 2008 |
|   |  |                   |                        | <u>Total Dissolved</u>                          |          |      |    |      |
|   |  |                   |                        | <u>Solids</u>                                   | 17 Miles | 2002 | 5B | 2008 |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME                           | WATER<br>TYPE     | WATERSHED<br>CALWATER<br>/USGS/HUC | POLLUTANT<br><i>Relevant Notes</i>  | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS | DATE |
|--------|---|-------------------|------------------------------------|---|-------------------------------|-------------------------|-------------------------------|------|
|        |   |                   |                                    | <u>Toxaphene (tissue<br/>&amp; sediment)</u>  | 17 Miles                      | 1988                    | 5B                            | 2005 |
|        |   |                   |                                    | <u>Toxicity</u>   | 17 Miles                      | 1996                    | 5B                            | 2005 |
| 4      | Canada Larga<br>(Ventura<br>River<br>Watershed) | River &<br>Stream | 40210010 /<br>18070103             | <u>Fecal Coliform</u><br><br><i>Horse stables, land use, cattle, and wildlife may be sources.</i> | 8 Miles                       | 2002                    | 5A                            | 2019 |
|        |   |                   |                                    | <u>Low Dissolved<br/>Oxygen</u>   | 8 Miles                       | 2002                    | 5A                            | 2019 |
|        |   |                   |                                    | <u>Total Dissolved<br/>Solids</u>   | 8 Miles                       | 2008                    | 5A                            | 2021 |
| 4      | Coastal &<br>Bay<br>Carbon Beach                | Shoreline         | 40416000 /<br>18070104             | <u>DDT</u><br><br><i>Fish Consumption Advisory for DDT.</i>                                       | 1.5 Miles                     | 1998                    | 5A                            | 2019 |
|        |   |                   |                                    | <u>Indicator Bacteria</u>   | 1.5 Miles                     | 1998                    | 5B                            | 2003 |
|        |   |                   |                                    | <u>PCBs<br/>(Polychlorinated<br/>biphenyls)</u>   | 1.5 Miles                     | 1998                    | 5A                            | 2019 |
|        |   |                   |                                    | <i>Fish Consumption Advisory for PCBs.</i>  |                               |                         |                               |      |
| 4      | Coastal &<br>Castlerock<br>Beach                | Bay<br>Shoreline  | 40513000 /<br>18070104             | <u>DDT</u><br><br><i>Fish Consumption Advisory for DDT.</i>                                       | 0.21 Miles                    | 1998                    | 5A                            | 2019 |

## APPENDIX E

| REGION | WATER BODY NAME | WATER TYPE     | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>   | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE *** |
|--------|-----------------|----------------|-------------------------------|--|-------------------------|-------------------|---------------------------|----------|
|        |                 |                |                               | <u>Indicator Bacteria</u>  | 0.21 Miles              | 1998              | 5B                        | 2003     |
|        |                 |                |                               | <u>PCBs</u><br>(Polychlorinated biphenyls)                                     | 0.21 Miles              | 1998              | 5A                        | 2019     |
|        |                 |                |                               | <i>Fish Consumption Advisory for PCBs.</i>                                     |                         |                   |                           |          |
| 4      | Colorado Lagoon | Wetland, Tidal | 40512000 / 18070104           | <u>Chlordane (tissue &amp; sediment)</u>                                       | 13 Acres                | 2006              | 5A                        | 2019     |
|        |                 |                |                               | <u>DDT (tissue)</u>  | 13 Acres                | 2006              | 5A                        | 2019     |
|        |                 |                |                               | <u>Dieldrin (tissue)</u>   | 13 Acres                | 2006              | 5A                        | 2019     |
|        |                 |                |                               | <u>Indicator Bacteria</u>  | 13 Acres                | 2006              | 5A                        | 2019     |
|        |                 |                |                               | <i>This listing includes the north, center, and south areas of the lagoon.</i> |                         |                   |                           |          |
|        |                 |                |                               | <u>Lead (sediment)</u>   | 13 Acres                | 2006              | 5A                        | 2019     |
|        |                 |                |                               | <u>PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)</u>                      | 13 Acres                | 2006              | 5A                        | 2019     |
|        |                 |                |                               | <u>PCBs</u><br>(Polychlorinated biphenyls) (tissue)                            | 13 Acres                | 2006              | 5A                        | 2019     |
|        |                 |                |                               | <u>Sediment Toxicity</u>   | 13 Acres                | 2006              | 5A                        | 2019     |
|        |                 |                |                               | <u>Zinc (sediment)</u>   | 13 Acres                | 2006              | 5A                        | 2019     |
| 4      | Compton Creek   | River & Stream | 40515010 / 18070104           | <u>Coliform Bacteria</u>   | 8.5 Miles               | 1996              | 5A                        | 2009     |

## APPENDIX E

| REGION | WATER BODY NAME          | WATER TYPE     | WATERSHED CALWATER /USGS HUC | POLLUTANT<br><i>Relevant Notes</i>              | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS <sup>44</sup> | DATE |
|--------|--------------------------|----------------|------------------------------|---|-------------------------|-------------------|---------------------------------------|------|
|        |                          |                |                              | <u>Copper</u>                                   | 8.5 Miles               | 1996              | 5B                                    | 2005 |
|        |                          |                |                              | <u>Lead</u>                                     | 8.5 Miles               | 1996              | 5B                                    | 2005 |
|        |                          |                |                              | <u>Trash</u>                                    | 8.5 Miles               | 2006              | 5A                                    | 2019 |
|        |                          |                |                              | <u>pH</u>                                       | 8.5 Miles               | 1996              | 5B                                    | 2004 |
| 4      | Coyote Creek             | River & Stream | 40515010 / 18070104          | <u>Ammonia</u>                                  | 13 Miles                | 1996              | 5C                                    |      |
|        |                          |                |                              | <u>Copper, Dissolved</u>                        | 13 Miles                | 2002              | 5B                                    | 2007 |
|        |                          |                |                              | <u>Diazinon</u>                                 | 13 Miles                | 2006              | 5A                                    | 2019 |
|        |                          |                |                              | <u>Indicator Bacteria</u>                       | 13 Miles                |                   | 5A                                    | 2009 |
|        |                          |                |                              | <u>Lead</u>                                     | 13 Miles                | 2002              | 5B                                    | 2007 |
|        |                          |                |                              | <u>Sulfates</u>                                 | 13 Miles                | 2008              | 5A                                    | 2021 |
|        |                          |                |                              | <u>Total Dissolved Solids</u>                   | 13 Miles                | 2008              | 5A                                    | 2021 |
|        |                          |                |                              | <u>Toxicity</u>                                 | 13 Miles                | 2002              | 5A                                    | 2008 |
|        |                          |                |                              | <i>This listing was made by USEPA for 2002.</i> |                         |                   |                                       |      |
|        |                          |                |                              | <u>pH</u>                                       | 13 Miles                | 2006              | 5A                                    | 2019 |
| 4      | Coyote Creek, North Fork | River & Stream | 40515010 / 18070104          | <u>Copper</u>                                   | 5 Miles                 | 2008              | 5A                                    | 2021 |
|        |                          |                |                              | <u>Indicator Bacteria</u>                       | 5 Miles                 | 2008              | 5A                                    | 2021 |
|        |                          |                |                              | <u>Selenium</u>                                 | 5 Miles                 | 2008              | 5A                                    | 2021 |

## APPENDIX E

| REGION         | WATER BODY NAME   | WATER TYPE       | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>     | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS | DATE *** |
|----------------|---|------------------|-------------------------------|--|-------------------------|-------------------|-------------------------|----------|
| <u>Organic</u> |   |                  |                               |  |                         |                   |                         |          |
| 4              | Crystal Lake  | Lake & Reservoir | 40543000 / 18070106           | <u>Enrichment/Low Dissolved Oxygen</u> | 3.7 Acres               | 1998              | 5A                      | 2019     |
| <hr/>          |   |                  |                               |  |                         |                   |                         |          |
| 4              | Dominguez Channel<br>(lined portion above Vermont Ave)              | River & Stream   | 40351000 / 18070104           | <u>Ammonia</u>                         | 6.7 Miles               | 1996              | 5A                      | 2019     |
|                |   |                  |                               | <u>Copper</u>                          | 6.7 Miles               | 1996              | 5A                      | 2019     |
|                |   |                  |                               | <u>Diazinon</u>                        | 6.7 Miles               | 2008              | 5A                      | 2021     |
|                |   |                  |                               | <u>Indicator Bacteria</u>              | 6.7 Miles               | 2006              | 5A                      | 2007     |
|                |   |                  |                               | <u>Lead</u>                            | 6.7 Miles               | 1800              | 5A                      | 2019     |
|                |   |                  |                               | <u>Toxicity</u>                        | 6.7 Miles               | 2008              | 5A                      | 2021     |
|                |   |                  |                               | <u>Zinc</u>                            | 6.7 Miles               | 1800              | 5A                      | 2019     |
| <hr/>          |   |                  |                               |  |                         |                   |                         |          |
| 4              | Dominguez Channel<br>Estuary<br>(unlined portion below Vermont Ave) | Estuary          | 40512000 / 18070104           | <u>Ammonia</u>                         | 140 Acres               | 1996              | 5A                      | 2019     |
|                |   |                  |                               | <u>Benthic Community Effects</u>       | 140 Acres               | 1996              | 5A                      | 2019     |
|                |   |                  |                               | <u>Benzo(a)pyrene (PAHs)</u>           | 140 Acres               | 1996              | 5A                      | 2019     |
|                |   |                  |                               | <u>Benzo(a)anthracene</u>              | 140 Acres               | 2006              | 5A                      | 2019     |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME | WATER<br>TYPE       | WATERSHED<br># CALWATER<br>/ USGS HUC | POLLUTANT<br><i>Relevant Notes</i>              | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS* | DATE<br>### |
|--------|-----------------------|---------------------|---------------------------------------|---|-------------------------------|-------------------------|--------------------------------|-------------|
|        |                       |                     |                                       | <u>Chlordane (tissue)</u>                       | 140 Acres                     | 1998                    | 5A                             | 2019        |
|        |                       |                     |                                       | <u>Chrysene (C1-C4)</u>                         | 140 Acres                     | 2006                    | 5A                             | 2019        |
|        |                       |                     |                                       | <u>Coliform Bacteria</u>                        | 140 Acres                     | 2002                    | 5A                             | 2007        |
|        |                       |                     |                                       | <u>DDT (tissue &amp;<br/>sediment)</u>          | 140 Acres                     | 1996                    | 5A                             | 2019        |
|        |                       |                     |                                       | <u>Dieldrin (tissue)</u>                        | 140 Acres                     | 1998                    | 5A                             | 2019        |
|        |                       |                     |                                       | <u>Lead (tissue)</u>                            | 140 Acres                     | 1996                    | 5A                             | 2019        |
|        |                       |                     |                                       | <u>PCBs<br/>(Polychlorinated<br/>biphenyls)</u> | 140 Acres                     | 1996                    | 5A                             | 2019        |
|        |                       |                     |                                       | <u>Phenanthrene</u>                             | 140 Acres                     | 2006                    | 5A                             | 2019        |
|        |                       |                     |                                       | <u>Pyrene</u>                                   | 140 Acres                     | 2006                    | 5A                             | 2019        |
|        |                       |                     |                                       | <u>Sediment Toxicity</u>                        | 140 Acres                     | 2008                    | 5A                             | 2021        |
|        |                       |                     |                                       | <u>Zinc (sediment)</u>                          | 140 Acres                     | 1996                    | 5A                             | 2019        |
| 4      | Dry Canyon<br>Creek   | River &<br>Stream   | 40521000 /<br>18070104                | <u>Fecal Coliform</u>                           | 3.9 Miles                     | 2002                    | 5A                             | 2009        |
|        |                       |                     |                                       | <u>Selenium, Total</u>                          | 3.9 Miles                     | 2002                    | 5B                             | 2005        |
| 4      | Echo Park<br>Lake     | Lake &<br>Reservoir | 40515010 /<br>18070104                | <u>Algae</u>                                    | 13 Acres                      | 1996                    | 5A                             | 2019        |
|        |                       |                     |                                       | <u>Ammonia</u>                                  | 13 Acres                      | 1996                    | 5A                             | 2019        |
|        |                       |                     |                                       | <u>Copper</u>                                   | 13 Acres                      | 1996                    | 5A                             | 2019        |
|        |                       |                     |                                       | <u>Eutrophic</u>                                | 13 Acres                      | 1996                    | 5A                             | 2019        |
|        |                       |                     |                                       | <u>Lead</u>                                     | 13 Acres                      | 1996                    | 5A                             | 2019        |

## APPENDIX E

| REGION | WATER BODY NAME | WATER TYPE              | WATERSHED CALWATER / USGS HUC | POLLUTANT<br>Relevant Notes                                | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE *** |
|--------|-----------------|-------------------------|-------------------------------|--|-------------------------|-------------------|---------------------------|----------|
|        |                 |                         |                               | <u>Odor</u>  | 13 Acres                | 1996              | 5A                        | 2019     |
|        |                 |                         |                               | <u>PCBs</u><br><u>(Polychlorinated biphenyls) (tissue)</u> | 13 Acres                | 1996              | 5A                        | 2019     |
|        |                 |                         |                               | <u>Trash</u>   | 13 Acres                | 1996              | 5A                        | 2007     |
|        |                 |                         |                               | <u>pH</u>  | 13 Acres                | 1996              | 5A                        | 2019     |
| 4      | El Dorado Lakes | Lake & Reservoir        | 40515010 / 18070104           | <u>Algae</u>   | 31 Acres                | 1996              | 5A                        | 2019     |
|        |                 |                         |                               | <u>Ammonia</u>   | 31 Acres                | 1996              | 5A                        | 2019     |
|        |                 |                         |                               | <u>Copper</u>  | 31 Acres                | 1996              | 5A                        | 2019     |
|        |                 |                         |                               | <u>Eutrophic</u>   | 31 Acres                | 1996              | 5A                        | 2019     |
|        |                 |                         |                               | <u>Lead</u>  | 31 Acres                | 1996              | 5A                        | 2019     |
|        |                 |                         |                               | <u>Mercury (tissue)</u>                                    | 31 Acres                | 1996              | 5A                        | 2019     |
|        |                 |                         |                               | <u>pH</u>  | 31 Acres                | 1996              | 5A                        | 2019     |
| 4      | Elizabeth Lake  | Lake & Reservoir        | 40351000 / 18070102           | <u>Eutrophic</u>   | 123 Acres               | 1996              | 5A                        | 2019     |
|        |                 |                         |                               | <u>Organic Enrichment/Low Dissolved Oxygen</u>             | 123 Acres               | 1998              | 5A                        | 2019     |
|        |                 |                         |                               | <u>Trash</u>   | 123 Acres               | 1996              | 5B                        | 2008     |
|        |                 |                         |                               | <u>pH</u>  | 123 Acres               | 1996              | 5A                        | 2019     |
| 4      | Escondido Beach | Coastal & Bay Shoreline | 40434000 / 18070104           | <u>DDT</u>   | 1.2 Miles               | 1998              | 5A                        | 2019     |



## APPENDIX E

| REGION | WATER BODY NAME | WATER TYPE | WATERSHED / CALWATER / USGS HUC | POLLUTANT<br>Relevant Notes | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS | DATE |
|--------|-----------------|------------|---------------------------------|-----------------------------|-------------------------|-------------------|-------------------------|------|
|--------|-----------------|------------|---------------------------------|-----------------------------|-------------------------|-------------------|-------------------------|------|

*Fish Consumption Advisory for DDT.*

Indicator Bacteria 1.2 Miles 1998 5B 2003

PCBs  
(Polychlorinated biphenyls) 1.2 Miles 1998 5A 2019

*Fish Consumption Advisory for PCBs.*

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|   |                            |                         |                     |            |            |      |    |      |
|---|----------------------------|-------------------------|---------------------|------------|------------|------|----|------|
| 4 | Flat Rock Point Beach Area | Coastal & Bay Shoreline | 40511000 / 18070104 | <u>DDT</u> | 0.11 Miles | 1998 | 5A | 2019 |
|---|----------------------------|-------------------------|---------------------|------------|------------|------|----|------|

*Fish Consumption Advisory for DDT.*

Indicator Bacteria 0.11 Miles 1998 5B 2003

PCBs  
(Polychlorinated biphenyls) 0.11 Miles 1998 5A 2019

*Fish Consumption Advisory for PCBs.*

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|   |   |                |                     |              |           |      |    |      |
|---|---|----------------|---------------------|--------------|-----------|------|----|------|
| 4 | Fox Barranca (tributary to Calleguas Creek Reach 6) | River & Stream | 40362000 / 18070103 | <u>Boron</u> | 6.7 Miles | 1998 | 5A | 2019 |
|---|---|----------------|---------------------|--------------|-----------|------|----|------|

Nitrate and Nitrite 6.7 Miles 1998 5B 2003

Sulfates 6.7 Miles 1998 5A 2019

Total Dissolved Solids 6.7 Miles 1998 5A 2019

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|   |              |                |                     |                 |          |      |    |      |
|---|--------------|----------------|---------------------|-----------------|----------|------|----|------|
| 4 | Hopper Creek | River & Stream | 40341000 / 18070102 | <u>Sulfates</u> | 13 Miles | 2002 | 5A | 2019 |
|---|--------------|----------------|---------------------|-----------------|----------|------|----|------|

## APPENDIX E

| REGION | WATER BODY NAME         | WATER TYPE              | WATERSHED *CALWATER /USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS | DATE |
|--------|-------------------------|-------------------------|-------------------------------|---|-------------------------|-------------------|-------------------------|------|
|        |                         |                         |                               | <u>Total Dissolved Solids</u>                     | 13 Miles                | 2220              | 5A                      | 2019 |
| 4      | Inspiration Point Beach | Coastal & Bay Shoreline | 40511000 / 18070104           | <u>DDT</u>  | 0.14 Miles              | 1998              | 5A                      | 2019 |
|        |                         |                         |                               | <i>Fish Consumption Advisory for DDT.</i>         |                         |                   |                         |      |
|        |                         |                         |                               | <u>Indicator Bacteria</u>                         | 0.14 Miles              | 1998              | 5B                      | 2003 |
|        |                         |                         |                               | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 0.14 Miles              | 1998              | 5A                      | 2019 |
|        |                         |                         |                               | <i>Fish Consumption Advisory for PCBs.</i>        |                         |                   |                         |      |
| 4      | La Costa Beach          | Coastal & Bay Shoreline | 40416000 / 18070104           | <u>DDT</u>  | 0.74 Miles              | 1998              | 5A                      | 2019 |
|        |                         |                         |                               | <i>Fish Consumption Advisory for DDT.</i>         |                         |                   |                         |      |
|        |                         |                         |                               | <u>Indicator Bacteria</u>                         | 0.74 Miles              | 1998              | 5B                      | 2003 |
|        |                         |                         |                               | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 0.74 Miles              | 1998              | 5A                      | 2019 |
|        |                         |                         |                               | <i>Fish Consumption Advisory for PCBs.</i>        |                         |                   |                         |      |
| 4      | Lake Calabasas          | Lake & Reservoir        | 40521000 / 18070105           | <u>Ammonia</u>                                    | 18 Acres                | 1996              | 5A                      | 2006 |
|        |                         |                         |                               | <u>Eutrophic</u>                                  | 18 Acres                | 1996              | 5A                      | 2019 |
|        |                         |                         |                               | <u>Odor</u>                                       | 18 Acres                | 1996              | 5A                      | 2019 |

## APPENDIX E

| REGION | WATER BODY NAME | WATER TYPE       | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>             | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE |
|--------|-----------------|------------------|-------------------------------|--|-------------------------|-------------------|---------------------------|------|
|        |                 |                  |                               | <u>Organic Enrichment/Low Dissolved Oxygen</u> | 18 Acres                | 1998              | 5A                        | 2019 |
|        |                 |                  |                               | <u>pH</u>                                      | 18 Acres                | 1996              | 5A                        | 2019 |
| <hr/>  |                 |                  |                               |  |                         |                   |                           |      |
| 4      | Lake Hughes     | Lake & Reservoir | 40351000 / 18070102           | <u>Algae</u>                                   | 21 Acres                | 1996              | 5A                        | 2019 |
|        |                 |                  |                               | <u>Eutrophic</u>                               | 21 Acres                | 1996              | 5A                        | 2019 |
|        |                 |                  |                               | <u>Fish Kills</u>                              | 21 Acres                | 1996              | 5A                        | 2019 |
|        |                 |                  |                               | <u>Odor</u>                                    | 21 Acres                | 1996              | 5A                        | 2019 |
|        |                 |                  |                               | <u>Trash</u>                                   | 21 Acres                | 1996              | 5B                        | 2008 |
| <hr/>  |                 |                  |                               |  |                         |                   |                           |      |
| 4      | Lake Lindero    | Lake & Reservoir | 40423000 / 18070104           | <u>Algae</u>                                   | 15 Acres                | 1996              | 5B                        | 2003 |
|        |                 |                  |                               | <u>Chloride</u>                                | 15 Acres                | 1996              | 5A                        | 2019 |
|        |                 |                  |                               | <u>Eutrophic</u>                               | 15 Acres                | 1996              | 5B                        | 2003 |
|        |                 |                  |                               | <u>Odor</u>                                    | 15 Acres                | 1996              | 5B                        | 2003 |
|        |                 |                  |                               | <u>Selenium</u>                                | 15 Acres                | 1996              | 5A                        | 2019 |
|        |                 |                  |                               | <u>Specific Conductivity</u>                   | 15 Acres                | 1996              | 5A                        | 2019 |
|        |                 |                  |                               | <u>Trash</u>                                   | 15 Acres                | 1996              | 5A                        | 2019 |
| <hr/>  |                 |                  |                               |  |                         |                   |                           |      |
| 4      | Lake Sherwood   | Lake & Reservoir | 40426000 / 18070104           | <u>Algae</u>                                   | 135 Acres               | 1996              | 5B                        | 2003 |
|        |                 |                  |                               | <u>Ammonia</u>                                 | 135 Acres               | 1996              | 5B                        | 2003 |
|        |                 |                  |                               | <u>Eutrophic</u>                               | 135 Acres               | 1996              | 5B                        | 2003 |
|        |                 |                  |                               | <u>Mercury (tissue)</u>                        | 135 Acres               | 1996              | 5A                        | 2019 |

## APPENDIX E

| REGION | WATER BODY NAME    | WATER TYPE              | WATERSHED CALWATER /USGS HUC | POLLUTANT<br><i>Relevant Notes</i>             | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE |
|--------|--------------------|-------------------------|------------------------------|--|-------------------------|-------------------|---------------------------|------|
|        |                    |                         |                              | <u>Organic Enrichment/Low Dissolved Oxygen</u> | 135 Acres               | 1998              | 5B                        | 2003 |
| 4      | Las Flores Beach   | Coastal & Bay Shoreline | 40415000 / 18070104          | <u>Coliform Bacteria</u>                       | 1.1 Miles               | 1998              | 5B                        | 2003 |
|        |                    |                         |                              | <u>DDT</u>                                     | 1.1 Miles               | 1998              | 5A                        | 2019 |
|        |                    |                         |                              | <i>Fish Consumption Advisory for DDT.</i>      |                         |                   |                           |      |
|        |                    |                         |                              | <u>PCBs (Polychlorinated biphenyls)</u>        | 1.1 Miles               | 1998              | 5A                        | 2019 |
|        |                    |                         |                              | <i>Fish Consumption Advisory for PCBs.</i>     |                         |                   |                           |      |
| 4      | Las Tunas Beach    | Coastal & Bay Shoreline | 40412000 / 18070104          | <u>DDT</u>                                     | 1.2 Miles               | 1998              | 5A                        | 2019 |
|        |                    |                         |                              | <i>Fish Consumption Advisory for DDT.</i>      |                         |                   |                           |      |
|        |                    |                         |                              | <u>Indicator Bacteria</u>                      | 1.2 Miles               | 1998              | 5B                        | 2003 |
|        |                    |                         |                              | <u>PCBs (Polychlorinated biphenyls)</u>        | 1.2 Miles               | 1998              | 5A                        | 2019 |
|        |                    |                         |                              | <i>Fish Consumption Advisory for PCBs.</i>     |                         |                   |                           |      |
| 4      | Las Virgenes Creek | River & Stream          | 40422010 / 18070104          | <u>Coliform Bacteria</u>                       | 12 Miles                | 1996              | 5B                        | 2005 |
|        |                    |                         |                              | <u>Invasive Species</u>                        | 12 Miles                | 2008              | 5A                        | 2021 |
|        |                    |                         |                              | <u>Nutrients (Algae)</u>                       | 12 Miles                | 1998              | 5B                        | 2003 |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME | WATER<br>TYPE       | WATERSHED<br>CALWATER<br>/ USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                     | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE |
|--------|-----------------------|---------------------|-------------------------------------|--|-------------------------------|-------------------------|---------------------------------|------|
|        |                       |                     |                                     | <u>Organic<br/>Enrichment/Low<br/>Dissolved Oxygen</u> | 12 Miles                      | 1996                    | 5B                              | 2003 |
|        |                       |                     |                                     | <u>Scum/Foam-<br/>unnatural</u>                        | 12 Miles                      | 1996                    | 5B                              | 2003 |
|        |                       |                     |                                     | <u>Sedimentation/Silt<br/>ation</u>                    | 12 Miles                      | 2002                    | 5A                              | 2019 |
|        |                       |                     |                                     | <u>Selenium</u>  | 12 Miles                      | 1996                    | 5A                              | 2019 |
|        |                       |                     |                                     | <u>Trash</u>   | 12 Miles                      | 1996                    | 5A                              | 2019 |
| <hr/>  |                       |                     |                                     |  |                               |                         |                                 |      |
| 4      | Legg Lake             | Lake &<br>Reservoir | 40531000 /<br>18070105              | <u>Ammonia</u>   | 25 Acres                      | 1996                    | 5A                              | 2019 |
|        |                       |                     |                                     | <u>Copper</u>  | 25 Acres                      | 1996                    | 5A                              | 2019 |
|        |                       |                     |                                     | <u>Lead</u>  | 25 Acres                      | 1996                    | 5A                              | 2019 |
|        |                       |                     |                                     | <u>Odor</u>  | 25 Acres                      | 1996                    | 5A                              | 2019 |
|        |                       |                     |                                     | <u>Trash</u>   | 25 Acres                      | 1996                    | 5B                              | 2008 |
|        |                       |                     |                                     | <u>pH</u>  | 25 Acres                      | 1996                    | 5A                              | 2019 |
| <hr/>  |                       |                     |                                     |  |                               |                         |                                 |      |
| 4      | Lincoln Park<br>Lake  | Lake &<br>Reservoir | 40515010 /<br>18070104              | <u>Ammonia</u>   | 3.8 Acres                     | 1996                    | 5A                              | 2019 |
|        |                       |                     |                                     | <u>Eutrophic</u>                                       | 3.8 Acres                     | 1996                    | 5A                              | 2019 |
|        |                       |                     |                                     | <u>Lead</u>  | 3.8 Acres                     | 1996                    | 5A                              | 2019 |
|        |                       |                     |                                     | <u>Odor</u>  | 3.8 Acres                     | 1996                    | 5A                              | 2019 |
|        |                       |                     |                                     | <u>Organic<br/>Enrichment/Low<br/>Dissolved Oxygen</u> | 3.8 Acres                     | 1998                    | 5A                              | 2019 |
|        |                       |                     |                                     | <u>Trash</u>   | 3.8 Acres                     | 1996                    | 5A                              | 2007 |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME                    | WATER<br>TYPE     | WATERSHED<br>CALWATER<br>/USGS HUC | POLLUTANT<br>Relevant Notes     | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE<br>*** |
|--------|--|-------------------|------------------------------------|---------------------------------|-------------------------------|-------------------------|---------------------------------|-------------|
| 4      | Lindero Creek<br>Reach 1                 | River &<br>Stream | 40423000 /<br>18070104             | <u>Algae</u>                    | 3 Miles                       | 1996                    | 5B                              | 2003        |
|        |  |                   |                                    | <u>Coliform Bacteria</u>        | 3 Miles                       | 1996                    | 5B                              | 2005        |
|        |  |                   |                                    | <u>Invasive Species</u>         | 3 Miles                       | 2008                    | 5A                              | 2021        |
|        |  |                   |                                    | <u>Scum/Foam-<br/>unnatural</u> | 3 Miles                       | 1996                    | 5B                              | 2003        |
|        |  |                   |                                    | <u>Selenium</u>                 | 3 Miles                       | 1996                    | 5A                              | 2019        |
|        |  |                   |                                    | <u>Trash</u>                    | 3 Miles                       | 1996                    | 5A                              | 2019        |
|        |  |                   |                                    |                                 |                               |                         |                                 |             |
| 4      | Lindero Creek<br>Reach 2<br>(Above Lake) | River &<br>Stream | 40425000 /<br>18070104             | <u>Algae</u>                    | 4.5 Miles                     | 1998                    | 5B                              | 2003        |
|        |  |                   |                                    | <u>Coliform Bacteria</u>        | 4.5 Miles                     | 1998                    | 5B                              | 2005        |
|        |  |                   |                                    | <u>Scum/Foam-<br/>unnatural</u> | 4.5 Miles                     | 1998                    | 5B                              | 2003        |
|        |  |                   |                                    | <u>Selenium</u>                 | 4.5 Miles                     | 1998                    | 5A                              | 2019        |
|        |  |                   |                                    | <u>Trash</u>                    | 4.5 Miles                     | 1998                    | 5A                              | 2019        |

## APPENDIX E

| REGION   | WATER BODY NAME                        | WATER TYPE              | WATERSHED CALWATER / USGS HUC | POLLUTANT<br>Relevant Notes                       | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS | DATE *** |
|--|--|-------------------------|-------------------------------|---|-------------------------|-------------------|-------------------------|----------|
| 4  | Long Beach City Beach                  | Coastal & Bay Shoreline | 40512000 / 18070104           | <u>Indicator Bacteria</u>                         | 4.7 Miles               | 2006              | 5A                      | 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. |  |                         |                               |   |                         |                   |                         |          |
| 4  | Long Point Beach                       | Coastal & Bay Shoreline | 40511000 / 18070104           | <u>Coliform Bacteria</u>                          | 0.7 Miles               | 1998              | 5B                      | 2003     |
|  |  |                         |                               | <u>DDT</u>  | 0.7 Miles               | 1998              | 5A                      | 2019     |
| Fish Consumption Advisory for DDT.   |  |                         |                               |   |                         |                   |                         |          |
|  |  |                         |                               | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 0.7 Miles               | 1998              | 5A                      | 2019     |
| Fish Consumption Advisory for PCBs.  |  |                         |                               |   |                         |                   |                         |          |
| 4  | Los Angeles Harbor - Cabrillo Marina   | Bay & Harbor            | 40512000 / 18070104           | <u>Benzo(a)pyrene (PAHs)</u>                      | 77 Acres                | 2008              | 5A                      | 2021     |
|  |  |                         |                               | <u>DDT</u>  | 77 Acres                | 1998              | 5A                      | 2019     |
|  |  |                         |                               | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 77 Acres                | 1998              | 5A                      | 2019     |
| 4  | Los Angeles Harbor - Consolidated Slip | Bay & Harbor            | 40512000 / 18070104           | <u>2-Methylnaphthalene</u>                        | 36 Acres                | 1998              | 5A                      | 2008     |
|  |  |                         |                               | <u>Benthic Community Effects</u>                  | 36 Acres                | 1998              | 5A                      | 2019     |

## APPENDIX E

| REGION | WATER BODY NAME | WATER TYPE | WATERSHED *CALWATER /USGS HUC | POLLUTANT<br>Relevant Notes | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE *** |
|--------|-----------------|------------|-------------------------------|-----------------------------|-------------------------|-------------------|---------------------------|----------|
|--------|-----------------|------------|-------------------------------|-----------------------------|-------------------------|-------------------|---------------------------|----------|

Benzo(a)pyrene(PAHs)

36 Acres

1998

5A

2008

Benzo(a)anthracenee

36 Acres

1998

5A

2008

*This listing was made by USEPA for 2006.*Cadmium(sediment)

36 Acres

1998

5A

2019

*Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.*Chlordane (tissue& sediment)

36 Acres

1998

5A

2019

Chromium(sediment)

36 Acres

1998

5A

2019

Chrysene (C1-C4)

36 Acres

1998

5A

2008

Copper (sediment)

36 Acres

1998

5A

2019

DDT (tissue &sediment)

36 Acres

1998

5A

2019

*Fish Consumption Advisory for DDT.*Dieldrin

36 Acres

1998

5A

2008

Lead (sediment)

36 Acres

1998

5A

2019

Mercury(sediment)

36 Acres

2006

5A

2019

*Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.*PCBs(Polychlorinatedbiphenyls) (tissue& sediment)

36 Acres

1998

5A

2019

*Fish Consumption Advisory for PCBs.*



## APPENDIX E

| REGION | WATER BODY NAME                  | WATER TYPE   | WATERSHED / CALWATER / USGS HUC | POLLUTANT<br>Relevant Notes   | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE |
|--------|----------------------------------|--------------|---------------------------------|---|-------------------------|-------------------|---------------------------|------|
|        |                                  |              |                                 | <u>Phenanthrene</u>   | 36 Acres                | 1998              | 5A                        | 2008 |
|        |                                  |              |                                 | <u>Pyrene</u>   | 36 Acres                | 1998              | 5A                        | 2008 |
|        |                                  |              |                                 | <u>Sediment Toxicity</u>  | 36 Acres                | 1998              | 5A                        | 2019 |
|        |                                  |              |                                 | <u>Toxaphene (tissue)</u>   | 36 Acres                | 1998              | 5A                        | 2019 |
|        |                                  |              |                                 | <u>Zinc (sediment)</u>  | 36 Acres                | 1998              | 5A                        | 2019 |
|        |                                  |              |                                 | <i>Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.</i> |                         |                   |                           |      |
| 4      | Los Angeles Harbor - Fish Harbor | Bay & Harbor | 40518000 / 18070104             | <u>Benzo(a)pyrene (PAHs)</u>  | 91 Acres                | 1998              | 5A                        | 2008 |
|        |                                  |              |                                 | <u>Benzo(a)anthracene</u>   | 91 Acres                | 1998              | 5A                        | 2019 |
|        |                                  |              |                                 | <u>Chlordane</u>  | 91 Acres                | 1998              | 5A                        | 2019 |
|        |                                  |              |                                 | <u>Chrysene (C1-C4)</u>   | 91 Acres                | 1998              | 5A                        | 2019 |
|        |                                  |              |                                 | <u>Copper</u>   | 91 Acres                | 1998              | 5A                        | 2019 |
|        |                                  |              |                                 | <u>DDT</u>  | 91 Acres                | 1998              | 5A                        | 2019 |
|        |                                  |              |                                 | <u>Dibenz(a,h)anthracene</u>  | 91 Acres                | 1998              | 5A                        | 2019 |
|        |                                  |              |                                 | <u>Lead</u>   | 91 Acres                | 1998              | 5A                        | 2019 |
|        |                                  |              |                                 | <u>Mercury</u>  | 91 Acres                | 1998              | 5A                        | 2019 |
|        |                                  |              |                                 | <u>PAHs (Polycyclic Aromatic Hydrocarbons)</u>  | 91 Acres                | 1998              | 5A                        | 2019 |

## APPENDIX E

| REGION | WATER BODY NAME | WATER TYPE | WATERSHED CALWATER /USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS | DATE |
|--------|-----------------|------------|------------------------------|---|-------------------------|-------------------|-------------------------|------|
|        |                 |            |                              | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 91 Acres                | 1998              | 5A                      | 2019 |
|        |                 |            |                              | <u>Phenanthrene</u>                               | 91 Acres                | 1998              | 5A                      | 2019 |
|        |                 |            |                              | <u>Pyrene</u>                                     | 91 Acres                | 1998              | 5A                      | 2019 |
|        |                 |            |                              | <u>Sediment Toxicity</u>                          | 91 Acres                | 1998              | 5A                      | 2019 |
|        |                 |            |                              | <u>Zinc</u>                                       | 91 Acres                | 1998              | 5A                      | 2019 |

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|   |  |              |                     |   |          |      |    |      |
|---|--|--------------|---------------------|---|----------|------|----|------|
| 4 | Los Angeles Harbor - Inner Cabrillo Beach Area | Bay & Harbor | 40512000 / 18070104 | <u>DDT</u>  | 82 Acres | 1998 | 5A | 2019 |
|   |  |              |                     | <i>Fish Consumption Advisory for DDT.</i>         |          |      |    |      |
|   |  |              |                     | <u>Indicator Bacteria</u>                         | 82 Acres | 1998 | 5B | 2004 |
|   |  |              |                     | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 82 Acres | 1998 | 5A | 2019 |
|   |  |              |                     | <i>Fish Consumption Advisory for PCBs.</i>        |          |      |    |      |

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|   |   |         |                     |   |           |      |    |      |
|---|---|---------|---------------------|---|-----------|------|----|------|
| 4 | Los Angeles River Estuary (Queensway Bay) | Estuary | 40512000 / 18070104 | <u>Chlordane</u><br><u>(sediment)</u>               | 207 Acres | 2002 | 5A | 2019 |
|   |   |         |                     | <i>Historical use of pesticides and lubricants.</i> |           |      |    |      |
|   |   |         |                     | <u>DDT (sediment)</u>                               | 207 Acres | 2002 | 5A | 2019 |
|   |   |         |                     | <i>Historical use of pesticides and lubricants.</i> |           |      |    |      |

## APPENDIX E

| REGION | WATER BODY NAME   | WATER TYPE     | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                       | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE |
|--------|---|----------------|-------------------------------|--|-------------------------|-------------------|---------------------------|------|
|        |   |                |                               | <u>PCBs</u><br>(Polychlorinated biphenyls)<br>(sediment) | 207 Acres               | 2002              | 5A                        | 2019 |
|        |   |                |                               | <i>Historical use of pesticides and lubricants.</i>      |                         |                   |                           |      |
|        |   |                |                               | <u>Sediment Toxicity</u>                                 | 207 Acres               | 2006              | 5A                        | 2019 |
|        |   |                |                               | <u>Trash</u>   | 207 Acres               | 2006              | 5B                        | 2008 |
| <hr/>  |   |                |                               |  |                         |                   |                           |      |
| 4      | Los Angeles River Reach 1<br>(Estuary to Carson Street) | River & Stream | 40512000 / 18070104           | <u>Ammonia</u>   | 3.4 Miles               | 2002              | 5B                        | 2004 |
|        |   |                |                               | <u>Cadmium</u>   | 3.4 Miles               | 2002              | 5B                        | 2005 |
|        |   |                |                               | <u>Coliform Bacteria</u>                                 | 3.4 Miles               | 1996              | 5A                        | 2009 |
|        |   |                |                               | <u>Copper, Dissolved</u>                                 | 3.4 Miles               | 2002              | 5B                        | 2005 |
|        |   |                |                               | <u>Cyanide</u>   | 3.4 Miles               | 2006              | 5A                        | 2019 |
|        |   |                |                               | <u>Diazinon</u>  | 3.4 Miles               | 2006              | 5A                        | 2019 |
|        |   |                |                               | <u>Lead</u>  | 3.4 Miles               | 1996              | 5B                        | 2005 |
|        |   |                |                               | <u>Nutrients (Algae)</u>                                 | 3.4 Miles               | 1998              | 5B                        | 2004 |
|        |   |                |                               | <u>Trash</u>   | 3.4 Miles               | 2006              | 5B                        | 2008 |
|        |   |                |                               | <u>Zinc, Dissolved</u>                                   | 3.4 Miles               | 2002              | 5B                        | 2005 |
|        |   |                |                               | <u>pH</u>  | 3.4 Miles               | 1996              | 5B                        | 2003 |

## APPENDIX E

| REGION                   | WATER BODY NAME  | WATER TYPE     | WATERSHED * CALWATER / USGS HUC | POLLUTANT<br>Relevant Notes | ESTIMATED AREA ASSESSED                                       | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE ***       |           |      |    |      |
|--------------------------|--|----------------|---------------------------------|-----------------------------|---|-------------------|---------------------------|----------------|-----------|------|----|------|
| 4                        | Los Angeles River Reach 2<br>(Carson to Figueroa Street) | River & Stream | 40515010 / 18070104             | <u>Ammonia</u>              | 19 Miles  | 1996              | 5B                        | 2004           |           |      |    |      |
|                          |  |                |                                 | <u>Coliform Bacteria</u>    | 19 Miles  | 1996              | 5A                        | 2009           |           |      |    |      |
|                          |  |                |                                 | <u>Copper</u>               | 19 Miles  | 2006              | 5B                        | 2005           |           |      |    |      |
|                          |  |                |                                 | <u>Lead</u>                 | 19 Miles  | 1996              | 5B                        | 2005           |           |      |    |      |
|                          |  |                |                                 | <u>Nutrients (Algae)</u>    | 19 Miles  | 1996              | 5B                        | 2004           |           |      |    |      |
|                          |  |                |                                 | <u>Oil</u>                  | 19 Miles  | 1996              | 5A                        | 2019           |           |      |    |      |
|                          |  |                |                                 | <u>Trash</u>                | 19 Miles  | 1996              | 5B                        | 2008           |           |      |    |      |
|                          |  |                |                                 | 4                           | Los Angeles River Reach 4<br>(Sepulveda Dr. to Sepulveda Dam) | River & Stream    | 40521000 / 18070105       | <u>Ammonia</u> | 11 Miles  | 1996 | 5B | 2004 |
| <u>Coliform Bacteria</u> | 11 Miles   | 1996           | 5A                              |                             |   |                   |                           | 2009           |           |      |    |      |
| <u>Copper</u>            | 11 Miles   | 2006           | 5B                              |                             |   |                   |                           | 2005           |           |      |    |      |
| <u>Lead</u>              | 11 Miles   | 1996           | 5B                              |                             |   |                   |                           | 2005           |           |      |    |      |
| <u>Nutrients (Algae)</u> | 11 Miles   | 1996           | 5B                              |                             |   |                   |                           | 2004           |           |      |    |      |
| <u>Trash</u>             | 11 Miles   | 1996           | 5B                              |                             |   |                   |                           | 2008           |           |      |    |      |
| 4                        | Los Angeles River Reach 5<br>( within Sepulveda Basin)   | River & Stream | 40521000 / 18070105             |                             |   |                   |                           | <u>Ammonia</u> | 1.9 Miles | 1996 | 5B | 2004 |
|                          |  |                |                                 |                             |   |                   |                           | <u>Copper</u>  | 1.9 Miles | 2006 | 5B | 2005 |

## APPENDIX E

| REGION | WATER BODY NAME   | WATER TYPE     | WATERSHED # CAL WATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>              | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS | DATE |
|--------|---|----------------|----------------------------------|---|-------------------------|-------------------|-------------------------|------|
|        |   |                |                                  | <u>Lead</u>                                     | 1.9 Miles               | 2006              | 5B                      | 2005 |
|        |   |                |                                  | <u>Nutrients (Algae)</u>                        | 1.9 Miles               | 1996              | 5B                      | 2004 |
|        |   |                |                                  | <u>Oil</u>                                      | 1.9 Miles               | 1996              | 5A                      | 2019 |
|        |   |                |                                  | <u>Trash</u>                                    | 1.9 Miles               | 1996              | 5B                      | 2008 |
| <hr/>  |   |                |                                  |   |                         |                   |                         |      |
| 4      | Los Angeles River Reach 6 (Above Sepulveda Flood Control Basin) | River & Stream | 40521000 / 18070105              | 1,1-Dichloroethylene (DCE)/ Vinylidene Chloride | 7 Miles                 | 1992              | 5A                      | 2019 |
|        |   |                |                                  | <u>Coliform Bacteria</u>                        | 7 Miles                 | 1992              | 5A                      | 2009 |
|        |   |                |                                  | <u>Selenium</u>                                 | 7 Miles                 | 1992              | 5B                      | 2005 |
|        |   |                |                                  | Tetrachloroethylene e/PCE                       | 7 Miles                 | 1992              | 5A                      | 2019 |
|        |   |                |                                  | Trichloroethylene/ TCE                          | 7 Miles                 | 1996              | 5A                      | 2019 |
| <hr/>  |   |                |                                  |   |                         |                   |                         |      |
| 4      | Los Angeles/Long Beach Inner Harbor                             | Bay & Harbor   | 40518000 / 18070104              | <u>Beach Closures</u>                           | 3003 Acres              | 1998              | 5A                      | 2004 |
|        |   |                |                                  | <u>Benthic Community Effects</u>                | 3003 Acres              | 1998              | 5A                      | 2019 |
|        |   |                |                                  | <u>Benzo(a)pyrene (PAHs)</u>                    | 3003 Acres              | 2008              | 5A                      | 2021 |
|        |   |                |                                  | <u>Chrysene (C1-C4)</u>                         | 3003 Acres              | 2008              | 5A                      | 2021 |
|        |   |                |                                  | <u>Copper</u>                                   | 3003 Acres              | 1998              | 5A                      | 2008 |

## APPENDIX E

| REGION | WATER BODY NAME   | WATER TYPE     | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>         | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE *** |
|--------|---|----------------|-------------------------------|--|-------------------------|-------------------|---------------------------|----------|
|        |   |                |                               | <u>DDT</u>                                 | 3003 Acres              | 1998              | 5A                        | 2019     |
|        |   |                |                               | <u>PCBs</u><br>(Polychlorinated biphenyls) | 3003 Acres              | 1998              | 5A                        | 2019     |
|        |   |                |                               | <u>Sediment Toxicity</u>                   | 3003 Acres              | 1996              | 5A                        | 2009     |
|        |   |                |                               | <u>Zinc</u>                                | 3003 Acres              | 1988              | 5A                        | 2008     |
| <hr/>  |   |                |                               |  |                         |                   |                           |          |
| 4      | Los Angeles/Long Beach Outer Harbor (inside breakwater) | Bay & Harbor   | 40512000 / 18070104           | <u>DDT</u>                                 | 4042 Acres              | 1988              | 5A                        | 2019     |
|        |   |                |                               | <u>PCBs</u><br>(Polychlorinated biphenyls) | 4042 Acres              | 1988              | 5A                        | 2019     |
|        |   |                |                               | <u>Sediment Toxicity</u>                   | 4042 Acres              | 1996              | 5A                        | 2008     |
| <hr/>  |   |                |                               |  |                         |                   |                           |          |
| 4      | Los Cerritos Channel                                    | Wetland, Tidal | 40515010 / 18070104           | <u>Ammonia</u>                             | 30 Acres                | 2002              | 5A                        | 2019     |
|        |   |                |                               | <u>Bis(2ethylhexyl)phtalate (DEHP)</u>     | 30 Acres                | 2006              | 5A                        | 2019     |
|        |   |                |                               | <u>Chlordane (sediment)</u>                | 30 Acres                | 2002              | 5A                        | 2019     |
|        |   |                |                               | <u>Coliform Bacteria</u>                   | 30 Acres                | 2002              | 5A                        | 2019     |
|        |   |                |                               | <u>Copper</u>                              | 30 Acres                | 2002              | 5A                        | 2019     |
|        |   |                |                               | <u>Lead</u>                                | 30 Acres                | 2002              | 5A                        | 2019     |
|        |   |                |                               | <u>Trash</u>                               | 30 Acres                | 2006              | 5A                        | 1800     |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME                 | WATER<br>TYPE       | WATERSHED<br>CALWATER<br>/USGS HUC | POLLUTANT<br>Relevant Notes                              | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE<br>*** |
|--------|---------------------------------------|---------------------|------------------------------------|--|-------------------------------|-------------------------|---------------------------------|-------------|
|        |                                       |                     |                                    | <u>Zinc</u>  | 30 Acres                      | 2002                    | 5A                              | 2019        |
| <hr/>  |                                       |                     |                                    |  |                               |                         |                                 |             |
| 4      | Machado<br>Lake (Harbor<br>Park Lake) | Lake &<br>Reservoir | 40512000 /<br>18070104             | <u>Algae</u>   | 45 Acres                      | 1996                    | 5B                              | 2009        |
|        |                                       |                     |                                    | <u>Ammonia</u>   | 45 Acres                      | 1996                    | 5B                              | 2009        |
|        |                                       |                     |                                    | <u>ChemA (tissue)</u>                                    | 45 Acres                      | 1996                    | 5A                              | 2019        |
|        |                                       |                     |                                    | <i>Historical use of pesticides and lubricants.</i>      |                               |                         |                                 |             |
|        |                                       |                     |                                    | <u>Chlordane (tissue)</u>                                | 45 Acres                      | 1996                    | 5A                              | 2019        |
|        |                                       |                     |                                    | <i>Fish Consumption Advisory.</i>                        |                               |                         |                                 |             |
|        |                                       |                     |                                    | <u>DDT (tissue)</u>                                      | 45 Acres                      | 1996                    | 5A                              | 2019        |
|        |                                       |                     |                                    | <i>Fish Consumption Advisory.</i>                        |                               |                         |                                 |             |
|        |                                       |                     |                                    | <u>Dieldrin (tissue)</u>                                 | 45 Acres                      | 1996                    | 5A                              | 2019        |
|        |                                       |                     |                                    | <u>Eutrophic</u>   | 45 Acres                      | 1992                    | 5B                              | 2009        |
|        |                                       |                     |                                    | <u>Odor</u>  | 45 Acres                      | 1996                    | 5B                              | 2009        |
|        |                                       |                     |                                    | <u>PCBs<br/>(Polychlorinated<br/>biphenyls) (tissue)</u> | 45 Acres                      | 1992                    | 5A                              | 2019        |
|        |                                       |                     |                                    | <u>Trash</u>   | 45 Acres                      | 1996                    | 5B                              | 2008        |
| <hr/>  |                                       |                     |                                    |  |                               |                         |                                 |             |
| 4      | Coastal &<br>Malaga Cove<br>Beach     | Bay<br>Shoreline    | 40511000 /<br>18070104             | <u>DDT</u>   | 0.39 Miles                    | 1998                    | 5A                              | 2019        |
|        |                                       |                     |                                    | <i>Fish Consumption Advisory for DDT.</i>                |                               |                         |                                 |             |
|        |                                       |                     |                                    | <u>Indicator Bacteria</u>                                | 0.39 Miles                    | 1998                    | 5B                              | 2002        |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME | WATER<br>TYPE                 | WATERSHED<br>CALWATER<br>/ USGS HUC | POLLUTANT<br><i>Relevant Notes</i>            | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE<br>*** |
|--------|-----------------------|-------------------------------|-------------------------------------|---|-------------------------------|-------------------------|---------------------------------|-------------|
|        |                       |                               |                                     | <u>PCBs</u><br>(Polychlorinated<br>biphenyls) | 0.39 Miles                    | 1998                    | 5A                              | 2019        |
|        |                       |                               |                                     | <i>Fish Consumption Advisory for PCBs.</i>    |                               |                         |                                 |             |
| 4      | Malibu Beach          | Coastal &<br>Bay<br>Shoreline | 40421000 /<br>18070104              | <u>DDT</u>                                    | 0.77 Miles                    | 1998                    | 5A                              | 2019        |
|        |                       |                               |                                     | <i>Fish Consumption Advisory for DDT.</i>     |                               |                         |                                 |             |
|        |                       |                               |                                     | <u>Indicator Bacteria</u>                     | 0.77 Miles                    | 1998                    | 5B                              | 2002        |
| 4      | Malibu Creek          | River &<br>Stream             | 40421000 /<br>18070104              | <u>Coliform Bacteria</u>                      | 11 Miles                      | 1996                    | 5B                              | 2002        |
|        |                       |                               |                                     | <u>Fish Barriers (Fish<br/>Passage)</u>       | 11 Miles                      | 1996                    | 5A                              | 2019        |
|        |                       |                               |                                     | <u>Invasive Species</u>                       | 11 Miles                      | 2008                    | 5A                              | 2021        |
|        |                       |                               |                                     | <u>Nutrients (Algae)</u>                      | 11 Miles                      | 1996                    | 5B                              | 2003        |
|        |                       |                               |                                     | <u>Scum/Foam-<br/>unnatural</u>               | 11 Miles                      | 1996                    | 5B                              | 2003        |
|        |                       |                               |                                     | <u>Sedimentation/Silt<br/>ation</u>           | 11 Miles                      | 2002                    | 5A                              | 2019        |
|        |                       |                               |                                     | <u>Selenium</u>                               | 11 Miles                      | 2006                    | 5A                              | 2019        |
|        |                       |                               |                                     | <u>Sulfates</u>                               | 11 Miles                      | 2006                    | 5A                              | 2019        |
|        |                       |                               |                                     | <u>Trash</u>                                  | 11 Miles                      | 1996                    | 5A                              | 2019        |
| 4      | Malibu<br>Lagoon      | Estuary                       | 40421000 /<br>18070104              | <u>Benthic<br/>Community<br/>Effects</u>      | 15 Acres                      | 1998                    | 5C                              |             |



## APPENDIX E

| REGION | WATER<br>BODY<br>NAME | WATER<br>TYPE | WATERSHED<br>* CALWATER<br>/ USGS HUC | POLLUTANT<br><i>Relevant Notes</i> | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE<br>*** |
|--------|-----------------------|---------------|---------------------------------------|------------------------------------|-------------------------------|-------------------------|---------------------------------|-------------|
|--------|-----------------------|---------------|---------------------------------------|------------------------------------|-------------------------------|-------------------------|---------------------------------|-------------|

Hydromodification  
n

|  |          |      |    |      |
|--|----------|------|----|------|
| <u>Coliform Bacteria</u>                     | 15 Acres | 1998 | 5B | 2005 |
| <u>Eutrophic</u>                             | 15 Acres | 1998 | 5B | 2003 |
| <u>Shellfish<br/>Harvesting<br/>Advisory</u> | 15 Acres | 1998 | 5A | 2005 |
| <u>Swimming<br/>Restrictions</u>             | 15 Acres | 1998 | 5B | 2006 |
| <u>Viruses (enteric)</u>                     | 15 Acres | 1998 | 5B | 2006 |
| <u>pH</u>                                    | 15 Acres | 2002 | 5A | 2006 |

*Possible sources might be septic systems, storm drains, and birds.*

|   |                                       |                               |                        |                          |         |      |    |      |
|---|---------------------------------------|-------------------------------|------------------------|--------------------------|---------|------|----|------|
| 4 | Malibu<br>Lagoon Beach<br>(Surfrider) | Coastal &<br>Bay<br>Shoreline | 40421000 /<br>18070104 | <u>Coliform Bacteria</u> | 1 Miles | 1998 | 5B | 2003 |
|   |                                       |                               |                        | <u>DDT</u>               | 1 Miles | 1998 | 5A | 2019 |

*Fish Consumption Advisory for DDT.*

|  |  |  |  |   |         |      |    |      |
|--|--|--|--|---|---------|------|----|------|
|  |  |  |  | <u>PCBs<br/>(Polychlorinated<br/>biphenyls)</u> | 1 Miles | 1998 | 5A | 2019 |
|--|--|--|--|---|---------|------|----|------|

*Fish Consumption Advisory for PCBs.*

|   |   |                 |                        |  |           |      |    |      |
|---|---|-----------------|------------------------|--|-----------|------|----|------|
| 4 | Marina del<br>Rey Harbor -<br>Back Basins | Bay &<br>Harbor | 40517000 /<br>18070104 | <u>Chlordane (tissue<br/>&amp; sediment)</u> | 391 Acres | 1998 | 5B | 2005 |
|   |   |                 |                        | <u>Copper (sediment)</u>                     | 391 Acres | 1998 | 5B | 2005 |
|   |   |                 |                        | <u>DDT (tissue)</u>                          | 391 Acres | 1992 | 5A | 2005 |

## APPENDIX E

| REGION | WATER BODY NAME  | WATER TYPE          | WATERSHED CAL WATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>  | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE<br>*** |
|--------|--|---------------------|--------------------------------|---|-------------------------|-------------------|---------------------------|-------------|
|        |  |                     |                                | <u>Dieldrin (tissue)</u>  | 391 Acres               | 1992              | 5A                        | 2005        |
|        |  |                     |                                | <u>Fish Consumption Advisory</u>  | 391 Acres               | 1998              | 5B                        | 2005        |
|        |  |                     |                                | <u>Indicator Bacteria</u>   | 391 Acres               | 2006              | 5B                        | 2004        |
|        |  |                     |                                | <u>Lead (sediment)</u>  | 391 Acres               | 1988              | 5B                        | 2005        |
|        |  |                     |                                | <u>PCBs<br/>(Polychlorinated biphenyls) (tissue &amp; sediment)</u>   | 391 Acres               | 1994              | 5B                        | 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              | 5B                        | 2005        |
|        |  |                     |                                | <u>Zinc (sediment)</u>  | 391 Acres               | 1988              | 5B                        | 2005        |
| 4      | Matilija Creek<br>Reach 1 (Jct.<br>With N. Fork<br>to Reservoir) | River &<br>Stream   | 40220012 /<br>18070101         | <u>Fish Barriers (Fish<br/>Passage)</u>   | 0.63 Miles              | 1996              | 5A                        | 2019        |
| 4      | Matilija Creek<br>Reach 2<br>(Above<br>Reservoir)                | River &<br>Stream   | 40220010 /<br>18070101         | <u>Fish Barriers (Fish<br/>Passage)</u>   | 15 Miles                | 1996              | 5A                        | 2019        |
| 4      | Matilija<br>Reservoir  | Lake &<br>Reservoir | 40220012 /<br>18070101         | <u>Fish Barriers (Fish<br/>Passage)</u>   | 121 Acres               | 1996              | 5A                        | 2019        |

## APPENDIX E

| REGION | WATER BODY NAME                                   | WATER TYPE       | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>   | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS | DATE |
|--------|---|------------------|-------------------------------|--|-------------------------|-------------------|-------------------------|------|
| 4      | McCoy Canyon Creek                                | River & Stream   | 40521000 / 18070104           | <u>Fecal Coliform</u>  | 4 Miles                 | 2002              | 5A                      | 2009 |
|        |   |                  |                               | <u>Nitrate</u>   | 4 Miles                 | 2002              | 5A                      | 2019 |
|        |   |                  |                               | <u>Nitrogen, Nitrate</u>   | 4 Miles                 | 2002              | 5A                      | 2019 |
|        |   |                  |                               | <u>Selenium, Total</u>   | 4 Miles                 | 2002              | 5B                      | 2005 |
| 4      | McGrath Lake                                      | Lake & Reservoir | 40311000 / 18070103           | <u>Chlordane (sediment)</u>  | 20 Acres                | 1996              | 5A                      | 2019 |
|        |   |                  |                               | <u>DDT (sediment)</u>  | 20 Acres                | 1996              | 5A                      | 2019 |
|        |   |                  |                               | <u>Dieldrin (sediment)</u>   | 20 Acres                | 2002              | 5A                      | 2019 |
|        |   |                  |                               | <i>Historical use of pesticides and lubricants, storm water runoff/aerial deposition from agricultural fields.</i> |                         |                   |                         |      |
|        |   |                  |                               | <u>Fecal Coliform</u>  | 20 Acres                | 2002              | 5A                      | 2019 |
|        |   |                  |                               | <u>PCBs (Polychlorinated biphenyls) (sediment)</u>   | 20 Acres                | 2002              | 5A                      | 2019 |
|        |   |                  |                               | <i>Historical use of pesticides and lubricants, storm water runoff/aerial deposition from agricultural fields.</i> |                         |                   |                         |      |
| 4      | Medea Creek Reach 1 (Lake to Confl. with Lindero) | River & Stream   | 40424000 / 18070104           | <u>Sediment Toxicity</u>   | 20 Acres                | 1996              | 5A                      | 2019 |
|        |   |                  |                               | <u>Algae</u>   | 2.6 Miles               | 1996              | 5B                      | 2003 |
|        |   |                  |                               | <u>Coliform Bacteria</u>   | 2.6 Miles               | 1996              | 5B                      | 2005 |
|        |   |                  |                               | <u>Sedimentation/Siltation</u>   | 2.6 Miles               | 2002              | 5A                      | 2019 |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME                                  | WATER<br>TYPE                 | WATERSHED<br>CALWATER<br>/USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                          | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE<br>*** |
|--------|--|-------------------------------|------------------------------------|---|-------------------------------|-------------------------|---------------------------------|-------------|
|        |  |                               |                                    | <u>Selenium</u>   | 2.6 Miles                     | 1996                    | 5A                              | 2019        |
|        |  |                               |                                    | <u>Trash</u>  | 2.6 Miles                     | 1996                    | 5A                              | 2019        |
| <hr/>  |  |                               |                                    |   |                               |                         |                                 |             |
| 4      | Medea Creek<br>Reach 2 (Abv<br>Confl. with<br>Lindero) | River &<br>Stream             | 40423000 /<br>18070104             | <u>Algae</u>  | 5.4 Miles                     | 1996                    | 5B                              | 2003        |
|        |  |                               |                                    | <u>Coliform Bacteria</u>                                    | 5.4 Miles                     | 1996                    | 5B                              | 2005        |
|        |  |                               |                                    | <u>Invasive Species</u>                                     | 5.4 Miles                     | 2008                    | 5A                              | 2021        |
|        |  |                               |                                    | <u>Sedimentation/Silt<br/>ation</u>                         | 5.4 Miles                     | 2002                    | 5A                              | 2019        |
|        |  |                               |                                    | <u>Selenium</u>   | 5.4 Miles                     | 1996                    | 5A                              | 2019        |
|        |  |                               |                                    | <u>Trash</u>  | 5.4 Miles                     | 1996                    | 5A                              | 2019        |
| <hr/>  |  |                               |                                    |   |                               |                         |                                 |             |
| 4      | Munz Lake  | Lake &<br>Reservoir           | 40351000 /<br>18070102             | <u>Eutrophic</u>  | 6.6 Acres                     | 1996                    | 5A                              | 2019        |
|        |  |                               |                                    | <u>Trash</u>  | 6.6 Acres                     | 1996                    | 5B                              | 2008        |
| <hr/>  |  |                               |                                    |   |                               |                         |                                 |             |
| 4      | Nicholas<br>Canyon<br>Beach                            | Coastal &<br>Bay<br>Shoreline | 40444000 /<br>18070104             | <u>DDT</u>  | 1.7 Miles                     | 1998                    | 5A                              | 2019        |
|        |  |                               |                                    | <i>Fish Consumption Advisory for DDT.</i>                   |                               |                         |                                 |             |
|        |  |                               |                                    | <u>Indicator Bacteria</u>                                   | 1.7 Miles                     | 1998                    | 5B                              | 2002        |
|        |  |                               |                                    | <u>PCBs</u><br><u>(Polychlorinated</u><br><u>biphenyls)</u> | 1.7 Miles                     | 1998                    | 5A                              | 2019        |
|        |  |                               |                                    | <i>Fish Consumption Advisory for PCBs.</i>                  |                               |                         |                                 |             |

## APPENDIX E

| REGION   | WATER BODY NAME                    | WATER TYPE              | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>             | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE<br><i>****</i> |
|--|------------------------------------|-------------------------|-------------------------------|--|-------------------------|-------------------|---------------------------|---------------------|
| 4  | Ormond Beach                       | Coastal & Bay Shoreline | 40311000 / 18070103           | <u>Indicator Bacteria</u>                      | 3.1 Miles               | 2002              | 5A                        | 2015                |
| <i>This listing includes the area of Ormond Beach at Oxnard Drain.</i> |                                    |                         |                               |  |                         |                   |                           |                     |
| 4  | Palo Verde Shoreline<br>Park Beach | Coastal & Bay Shoreline | 40511000 / 18070104           | <u>Pathogens</u>                               | 0.24 Miles              | 1998              | 5B                        | 2003                |
|  |                                    |                         |                               | <u>Pesticides</u>                              | 0.24 Miles              | 1998              | 5A                        | 2019                |
| 4  | Paradise Cove Beach                | Coastal & Bay Shoreline | 40435000 / 18070104           | <u>DDT</u>                                     | 1.7 Miles               | 1998              | 5A                        | 2019                |
| <i>Fish consumption advisory for DDT.</i>                              |                                    |                         |                               |  |                         |                   |                           |                     |
|  |                                    |                         |                               | <u>Fecal Coliform</u>                          | 1.7 Miles               | 1998              | 5B                        | 2003                |
|  |                                    |                         |                               | <u>PCBs</u><br>(Polychlorinated biphenyls)     | 1.7 Miles               | 1998              | 5A                        | 2019                |
| <i>Fish consumption advisory for PCBs.</i>                             |                                    |                         |                               |  |                         |                   |                           |                     |
| 4  | Peck Road Park Lake                | Lake & Reservoir        | 40531000 / 18070105           | <u>Chlordane (tissue)</u>                      | 103 Acres               | 1996              | 5A                        | 2019                |
|  |                                    |                         |                               | <u>DDT (tissue)</u>                            | 103 Acres               | 1996              | 5A                        | 2019                |
|  |                                    |                         |                               | <u>Lead</u>                                    | 103 Acres               | 1996              | 5A                        | 2019                |
|  |                                    |                         |                               | <u>Odor</u>                                    | 103 Acres               | 1996              | 5A                        | 2019                |
|  |                                    |                         |                               | <u>Organic Enrichment/Low Dissolved Oxygen</u> | 103 Acres               | 1996              | 5A                        | 2019                |
|  |                                    |                         |                               | <u>Trash</u>                                   | 103 Acres               | 1996              | 5A                        | 2007                |

## APPENDIX E

| REGION   | WATER BODY NAME  | WATER TYPE              | WATERSHED CALWATER /USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS | DATE |
|--|--|-------------------------|------------------------------|---|-------------------------|-------------------|-------------------------|------|
| 4  | Peninsula Beach  | Coastal & Bay Shoreline | 40311000 / 18070103          | <u>Indicator Bacteria</u>                         | 0.15 Miles              | 2002              | 5A                      | 2003 |
| <i>Area affected is beach area north of South Jetty.</i> |  |                         |                              |   |                         |                   |                         |      |
| 4  | Piru Creek (from gaging station below Santa Felicia Dam to headwaters) | River & Stream          | 40342000 / 18070102          | <u>Chloride</u>                                   | 67 Miles                | 2006              | 5A                      | 2019 |
|  |  |                         |                              | <u>pH</u>   | 67 Miles                | 2002              | 5A                      | 2019 |
| 4  | Point Dume Beach   | Coastal & Bay Shoreline | 40435000 / 18070104          | <u>DDT</u>  | 2.5 Miles               | 1998              | 5A                      | 2019 |
| <i>Fish consumption advisory for DDT.</i>                |  |                         |                              |   |                         |                   |                         |      |
|  |  |                         |                              | <u>Indicator Bacteria</u>                         | 2.5 Miles               | 1994              | 5B                      | 2002 |
|  |  |                         |                              | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 2.5 Miles               | 1996              | 5A                      | 2019 |
| <i>Fish Consumption Advisory for PCBs.</i>               |  |                         |                              |   |                         |                   |                         |      |
| 4  | Point Fermin Park Beach  | Coastal & Bay Shoreline | 40512000 / 18070104          | <u>DDT</u>  | 1.6 Miles               | 1996              | 5A                      | 2019 |
| <i>Fish consumption advisory for DDT.</i>                |  |                         |                              |   |                         |                   |                         |      |
|  |  |                         |                              | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 1.6 Miles               | 1998              | 5A                      | 2019 |
| <i>Fish consumption advisory for PCBs.</i>               |  |                         |                              |   |                         |                   |                         |      |

## APPENDIX E

| REGION | WATER BODY NAME                                    | WATER TYPE              | WATERSHED CALWATER /USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                            | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE *** |
|--------|--|-------------------------|------------------------------|---|-------------------------|-------------------|---------------------------|----------|
|        |  |                         |                              | <u>Total Coliform</u>   | 1.6 Miles               | 1994              | 5B                        | 2002     |
| 4      | Pole Creek<br>(trib to Santa Clara River Reach 3 ) | River & Stream          | 40331000 /<br>18070102       | <u>Sulfates</u>   | 9 Miles                 | 2002              | 5A                        | 2019     |
|        |  |                         |                              | <u>Total Dissolved Solids</u>                                 | 9 Miles                 | 2002              | 5A                        | 2019     |
| 4      | Port Hueneme Pier                                  | Coastal & Bay Shoreline | 40311000 /<br>18070103       | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u>             | 0.33 Miles              | 2006              | 5A                        | 2019     |
| 4      | Portuguese Bend Beach                              | Coastal & Bay Shoreline | 40511000 /<br>18070104       | <u>DDT</u>  | 1.4 Miles               | 1998              | 5A                        | 2019     |
|        |  |                         |                              | <i>Fish Consumption Advisory for DDT.</i>                     |                         |                   |                           |          |
|        |  |                         |                              | <u>Indicator Bacteria</u>                                     | 1.4 Miles               | 1998              | 5B                        | 2002     |
|        |  |                         |                              | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u>             | 1.4 Miles               | 1998              | 5A                        | 2019     |
|        |  |                         |                              | <i>Fish Consumption Advisory for PCB.</i>                     |                         |                   |                           |          |
| 4      | Promenade Park Beach                               | Coastal & Bay Shoreline | 40210000 /<br>18070101       | <u>Indicator Bacteria</u>                                     | 0.58 Miles              | 2002              | 5A                        | 2015     |
|        |  |                         |                              | <i>Area affected is at south of drain at Figueroa Street.</i> |                         |                   |                           |          |
| 4      | Puddingstone Reservoir                             | Lake & Reservoir        | 40552000 /<br>18070106       | <u>Chlordane (tissue)</u>                                     | 243 Acres               | 1988              | 5A                        | 2019     |

## APPENDIX E

| REGION | WATER BODY NAME | WATER TYPE              | WATERSHED * CALWATER /USGS HUC | POLLUTANT<br><i>Relevant Notes</i>               | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE |
|--------|-----------------|-------------------------|--------------------------------|--|-------------------------|-------------------|---------------------------|------|
|        |                 |                         |                                | <u>DDT (tissue)</u>                              | 243 Acres               | 1996              | 5A                        | 2019 |
|        |                 |                         |                                | <u>Mercury (tissue)</u>                          | 243 Acres               | 1996              | 5A                        | 2019 |
|        |                 |                         |                                | <u>Organic Enrichment/Low Dissolved Oxygen</u>   | 243 Acres               | 1996              | 5A                        | 2019 |
|        |                 |                         |                                | <u>PCBs (Polychlorinated biphenyls) (tissue)</u> | 243 Acres               | 1996              | 5A                        | 2019 |
| 4      | Puente Creek    | River & Stream          | 40515010 / 18070104            | <u>Indicator Bacteria</u>                        | 5.8 Miles               | 2008              | 5A                        | 2021 |
|        |                 |                         |                                | <u>Selenium</u>                                  | 5.8 Miles               | 2008              | 5A                        | 2021 |
|        |                 |                         |                                | <u>Sulfates</u>                                  | 5.8 Miles               | 2008              | 5A                        | 2021 |
| 4      | Puerco Beach    | Coastal & Bay Shoreline | 40431000 / 18070104            | <u>DDT</u>                                       | 0.5 Miles               | 1998              | 5A                        | 2019 |
|        |                 |                         |                                | <i>Fish Consumption Advisory for DDT.</i>        |                         |                   |                           |      |
|        |                 |                         |                                | <u>Indicator Bacteria</u>                        | 0.5 Miles               | 1998              | 5B                        | 2002 |
|        |                 |                         |                                | <u>PCBs (Polychlorinated biphenyls)</u>          | 0.5 Miles               | 1998              | 5A                        | 2019 |
|        |                 |                         |                                | <i>Fish Consumption Advisory for PCBs.</i>       |                         |                   |                           |      |
| 4      | Redondo Beach   | Coastal & Bay Shoreline | 40512000 / 18070104            | <u>Coliform Bacteria</u>                         | 1.5 Miles               | 1998              | 5B                        | 2003 |
|        |                 |                         |                                | <u>DDT</u>                                       | 1.5 Miles               | 1998              | 5A                        | 2019 |



## APPENDIX E

| REGION | WATER<br>BODY<br>NAME | WATER<br>TYPE | WATERSHED<br>CALWATER<br>/USGS HUC | POLLUTANT<br><i>Relevant Notes</i> | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE<br>*** |
|--------|-----------------------|---------------|------------------------------------|------------------------------------|-------------------------------|-------------------------|---------------------------------|-------------|
|--------|-----------------------|---------------|------------------------------------|------------------------------------|-------------------------------|-------------------------|---------------------------------|-------------|

*Fish Consumption Advisory for DDT.*

PCBs  
(Polychlorinated  
biphenyls) 1.5 Miles 1998 5A 2019

*Fish Consumption Advisory for PCBs.*

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|   |              |                  |            |                           |            |      |    |      |
|---|--------------|------------------|------------|---------------------------|------------|------|----|------|
|   |              | Coastal &<br>Bay | 40100010 / |                           |            |      |    |      |
| 4 | Rincon Beach | Shoreline        | 18070101   | <u>Indicator Bacteria</u> | 0.38 Miles | 2002 | 5A | 2015 |

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

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|   |   |                   |                        |  |           |      |    |      |
|---|---|-------------------|------------------------|--|-----------|------|----|------|
|   | Rio De Santa<br>Clara/Oxnard<br>Drain No. 3 | River &<br>Stream | 40311000 /<br>18070103 |  |           |      |    |      |
| 4 |   |                   |                        | <u>ChemA (tissue)</u>                                  | 1.9 Miles | 1996 | 5A | 2019 |
|   |   |                   |                        | <u>Chlordane (tissue)</u>                              | 1.9 Miles | 1996 | 5A | 2019 |
|   |   |                   |                        | <u>DDT (tissue)</u>                                    | 1.9 Miles | 1996 | 5A | 2019 |
|   |   |                   |                        | <u>Nitrogen</u>  | 1.9 Miles | 1996 | 5B | 2003 |
|   |   |                   |                        | <u>PCBs</u><br>(Polychlorinated<br>biphenyls) (tissue) | 1.9 Miles | 1996 | 5A | 2019 |
|   |   |                   |                        | <u>Sediment Toxicity</u>                               | 1.9 Miles | 1996 | 5A | 2019 |
|   |   |                   |                        | <u>Toxaphene</u><br>(tissue)                           | 1.9 Miles | 1996 | 5A | 2019 |

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|   |  |                   |                        |                          |           |      |    |      |
|---|--|-------------------|------------------------|--------------------------|-----------|------|----|------|
|   | Rio Hondo<br>Reach 1<br>(Confl. LA<br>River to Snt<br>Ana Fwy) | River &<br>Stream | 40515010 /<br>18070104 |                          |           |      |    |      |
| 4 |  |                   |                        | <u>Coliform Bacteria</u> | 4.6 Miles | 1996 | 5A | 2009 |

## APPENDIX E

| REGION | WATER BODY NAME                          | WATER TYPE              | WATERSHED CALWATER /USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE<br><i>***</i> |
|--------|--|-------------------------|------------------------------|---|-------------------------|-------------------|---------------------------|--------------------|
|        |  |                         |                              | <u>Copper</u>                                     | 4.6 Miles               | 1996              | 5B                        | 2005               |
|        |  |                         |                              | <u>Cyanide</u>                                    | 4.6 Miles               | 2008              | 5A                        | 2021               |
|        |  |                         |                              | <u>Lead</u>                                       | 4.6 Miles               | 1996              | 5B                        | 2005               |
|        |  |                         |                              | <u>Toxicity</u>                                   | 4.6 Miles               | 2008              | 5A                        | 2021               |
|        |  |                         |                              | <u>Trash</u>                                      | 4.6 Miles               | 1996              | 5B                        | 2008               |
|        |  |                         |                              | <u>Zinc</u>                                       | 4.6 Miles               | 1996              | 5B                        | 2005               |
|        |  |                         |                              | <u>pH</u>   | 4.6 Miles               | 1996              | 5B                        | 2004               |
| 4      | Rio Hondo Reach 2 (At Spreading Grounds) | River & Stream          | 40515010 / 18070104          | <u>Coliform Bacteria</u>                          | 4.9 Miles               | 1996              | 5A                        | 2009               |
| 4      | Robert H. Meyer Memorial Beach           | Coastal & Bay Shoreline | 40441000 / 18070104          | <u>Beach Closures</u>                             | 1.2 Miles               | 1998              | 5A                        | 2019               |
|        |  |                         |                              | <u>DDT</u>  | 1.2 Miles               | 1998              | 5A                        | 2019               |
|        |  |                         |                              | <i>Fish Consumption Advisory for DDT.</i>         |                         |                   |                           |                    |
|        |  |                         |                              | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 1.2 Miles               | 1998              | 5A                        | 2019               |
|        |  |                         |                              | <i>Fish Consumption Advisory for PCBs.</i>        |                         |                   |                           |                    |
| 4      | Royal Palms Beach                        | Coastal & Bay Shoreline | 40511000 / 18070104          | <u>DDT</u>  | 1.1 Miles               | 1998              | 5A                        | 2019               |
|        |  |                         |                              | <i>Fish consumption advisory for DDT.</i>         |                         |                   |                           |                    |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME  | WATER<br>TYPE                 | WATERSHED<br>CALWATER<br>/USGS HUC | POLLUTANT<br><i>Relevant Notes</i>   | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE<br>*** |
|--------|--|-------------------------------|------------------------------------|--|-------------------------------|-------------------------|---------------------------------|-------------|
|        |  |                               |                                    | <u>Indicator Bacteria</u>  | 1.1 Miles                     | 1998                    | 5B                              | 2002        |
|        |  |                               |                                    | <u>PCBs</u><br><u>(Polychlorinated</u><br><u>biphenyls)</u>                    | 1.1 Miles                     | 1998                    | 5A                              | 2019        |
|        |  |                               |                                    | <i>Fish consumption advisory for PCBs.</i>                                     |                               |                         |                                 |             |
| 4      | San Antonio<br>Creek<br>(Tributary to<br>Ventura River<br>Reach 4) | River &<br>Stream             | 40220023 /<br>18070101             | <u>Indicator Bacteria</u>  | 9.8 Miles                     | 2008                    | 5A                              | 2021        |
|        |  |                               |                                    | <u>Nitrogen</u>  | 9.8 Miles                     | 2002                    | 5A                              | 2019        |
|        |  |                               |                                    | <u>Total Dissolved</u><br><u>Solids</u>  | 9.8 Miles                     | 2008                    | 5A                              | 2023        |
| 4      | San<br>Buenaventura<br>Beach                                       | Coastal &<br>Bay<br>Shoreline | 40210000 /<br>18070103             | <u>Indicator Bacteria</u>  | 1.8 Miles                     | 1800                    | 5A                              | 2015        |
|        |  |                               |                                    | <i>This listing includes the area of San Buenaventura Beach at San Jon Rd.</i> |                               |                         |                                 |             |
| 4      | San Gabriel<br>River Estuary                                       | River &<br>Stream             | 40516000 /<br>18070104             | <u>Copper</u>  | 3.4 Miles                     | 1996                    | 5B                              | 2007        |
|        |  |                               |                                    | <u>Dioxin</u>  | 3.4 Miles                     | 2008                    | 5A                              | 2021        |
|        |  |                               |                                    | <u>Nickel</u>  | 3.4 Miles                     | 2008                    | 5A                              | 2021        |
|        |  |                               |                                    | <u>Oxygen, Dissolved</u>   | 3.4 Miles                     | 2008                    | 5A                              | 2021        |

## APPENDIX E

| REGION | WATER BODY NAME   | WATER TYPE     | WATERSHED *CALWATER /USGSHUC | POLLUTANT<br><i>Relevant Notes</i> | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE *** |
|--------|---|----------------|------------------------------|------------------------------------|-------------------------|-------------------|---------------------------|----------|
| 4      | San Gabriel River Reach 1 (Estuary to Firestone)              | River & Stream | 40515010 / 18070104          | <u>Coliform Bacteria</u>           | 6.4 Miles               | 2006              | 5A                        | 2019     |
|        |   |                |                              | <u>Total Dissolved Solids</u>      | 6.4 Miles               | 2008              | 5A                        | 2021     |
|        |   |                |                              | <u>pH</u>                          | 6.4 Miles               | 1996              | 5A                        | 2009     |
|        |   |                |                              |                                    |                         |                   |                           |          |
| 4      | San Gabriel River Reach 2 (Firestone to Whittier Narrows Dam) | River & Stream | 40515010 / 18070104          | <u>Coliform Bacteria</u>           | 12 Miles                | 1998              | 5A                        | 2011     |
|        |   |                |                              | <u>Cyanide</u>                     | 12 Miles                | 2008              | 5A                        | 2021     |
|        |   |                |                              | <u>Lead</u>                        | 12 Miles                | 1996              | 5B                        | 2007     |
| 4      | San Gabriel River Reach 3 (Whittier Narrows to Ramona)        | River & Stream | 40531000 / 18070104          | <u>Indicator Bacteria</u>          | 7.2 Miles               | 2008              | 5A                        | 2021     |
|        |   |                |                              |                                    |                         |                   |                           |          |
| 4      | San Jose Creek Reach 1 (SG Confluence to Temple St.)          | River & Stream | 40531000 / 18070105          | <u>Ammonia</u>                     | 2.7 Miles               | 1996              | 5C                        |          |
|        |   |                |                              | <u>Coliform Bacteria</u>           | 2.7 Miles               | 1996              | 5A                        | 2009     |
|        |   |                |                              | <u>Sulfates</u>                    | 2.7 Miles               | 2008              | 5A                        | 2021     |
|        |   |                |                              | <u>Total Dissolved Solids</u>      | 2.7 Miles               | 2008              | 5A                        | 2021     |
|        |   |                |                              | <u>Toxicity</u>                    | 2.7 Miles               | 1996              | 5A                        | 2007     |
|        |   |                |                              |                                    |                         |                   |                           |          |

## APPENDIX E

| REGION | WATER BODY NAME                                       | WATER TYPE     | WATERSHED CALWATER / USGS HUC | POLLUTANT Relevant Notes            | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS | DATE *** |
|--------|---|----------------|-------------------------------|-------------------------------------|-------------------------|-------------------|-------------------------|----------|
|        |   |                |                               | pH                                  | 2.7 Miles               | 2008              | 5A                      | 2021     |
| 4      | San Jose Creek Reach 2 (Temple to I-10 at White Ave.) | River & Stream | 40531000 / 18070106           | Coliform Bacteria                   | 17 Miles                | 1996              | 5A                      | 2019     |
| 4      | San Pedro Bay Near/Off Shore Zones                    | Bay & Harbor   | 40512000 / 18070104           | Chlordane                           | 8173 Acres              | 2006              | 5A                      | 2019     |
|        |   |                |                               | DDT (tissue & sediment)             | 8173 Acres              | 1996              | 5A                      | 2019     |
|        |   |                |                               | Fish Consumption Advisory for DDT.  |                         |                   |                         |          |
|        |   |                |                               | PCBs (Polychlorinated biphenyls)    | 8173 Acres              | 1996              | 5A                      | 2019     |
|        |   |                |                               | Fish consumption advisory for PCBs. |                         |                   |                         |          |
|        |   |                |                               | Sediment Toxicity                   | 8173 Acres              | 1996              | 5A                      | 2009     |
| 4      | Santa Clara River Estuary                             | Estuary        | 40311000 / 18070103           | Arsenic                             | 49 Acres                | 2008              | 5A                      | 2021     |
|        |   |                |                               | ChemA                               | 49 Acres                | 1998              | 5A                      | 2019     |
|        |   |                |                               | Coliform Bacteria                   | 49 Acres                | 1998              | 5A                      | 2019     |
|        |   |                |                               | Nitrogen, Nitrate                   | 49 Acres                | 2008              | 5A                      | 2021     |
|        |   |                |                               | Toxaphene                           | 49 Acres                | 1998              | 5A                      | 2019     |
|        |   |                |                               | Toxicity                            | 49 Acres                | 2008              | 5A                      | 2019     |

## APPENDIX E

| REGION | WATER BODY NAME   | WATER TYPE              | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>             | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE *** |
|--------|---|-------------------------|-------------------------------|--|-------------------------|-------------------|---------------------------|----------|
| 4      | Santa Clara River Estuary Beach-Surfers Knoll             | Coastal & Bay Shoreline | 40311000 / 18070103           | <u>Indicator Bacteria</u>                      | 1 Miles                 | 2008              | 5A                        | 2021     |
| 4      | Santa Clara River Reach 1 (Estuary to Hwy 101 Bridge)     | River & Stream          | 40311000 / 18070103           | <u>Toxicity</u>                                | 10 Miles                | 2006              | 5A                        | 2019     |
| 4      | Santa Clara River Reach 3 (Freeman Diversion to A Street) | River & Stream          | 40331000 / 18070103           | <u>Ammonia</u>                                 | 31 Miles                | 2002              | 5B                        | 2004     |
|        |   |                         |                               | <u>Chloride</u>                                | 31 Miles                | 2002              | 5B                        | 2002     |
|        |   |                         |                               | <u>Total Dissolved Solids</u>                  | 31 Miles                | 2002              | 5A                        | 2023     |
|        |   |                         |                               | <u>Toxicity</u>                                | 31 Miles                | 2008              | 5A                        | 2021     |
| 4      | River Reach 5 (Blue Cut)                                  | River & Stream          | 40351000 / 18070102           | <u>Ammonia</u>                                 | 9.4 Miles               | 2006              | 5B                        | 2004     |
|        |   |                         |                               | <u>Chloride</u>                                | 9.4 Miles               | 2006              | 5B                        | 2005     |
|        |   |                         |                               | <i>Chloride was relisted by USEPA in 2002.</i> |                         |                   |                           |          |
|        |   |                         |                               | <u>Chlorodibromomethane</u>                    | 9.4 Miles               | 2008              | 5A                        | 2021     |
|        |   |                         |                               | <u>Coliform Bacteria</u>                       | 9.4 Miles               | 2006              | 5A                        | 2019     |
|        |   |                         |                               | <u>DDT</u>                                     | 9.4 Miles               | 2008              | 5A                        | 2023     |
|        |   |                         |                               | <u>Dichlorobromomethane</u>                    | 9.4 Miles               | 2008              | 5A                        | 2021     |

## APPENDIX E

| REGION | WATER BODY NAME | WATER TYPE | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE |
|--------|-----------------|------------|-------------------------------|---|-------------------------|-------------------|---------------------------|------|
|        |                 |            |                               | <u>Iron</u>                                       | 9.4 Miles               | 2008              | 5A                        | 2021 |
|        |                 |            |                               | <u>Nitrate and Nitrite</u>                        | 9.4 Miles               | 2006              | 5B                        | 2004 |
|        |                 |            |                               | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 9.4 Miles               | 2008              | 5A                        | 2021 |
|        |                 |            |                               | <u>Specific Conductivity</u>                      | 9.4 Miles               | 2008              | 5A                        | 2021 |
| 4      | River Reach 6   | Stream     | 18070102                      | <u>Ammonia</u>                                    | 5.2 Miles               | 1996              | 5B                        | 2004 |
|        |                 |            |                               | <u>Bis(2ethylhexyl)p<br/>htalate (DEHP)</u>       | 5.2 Miles               | 2008              | 5A                        | 2021 |
|        |                 |            |                               | <u>Chloride</u>                                   | 5.2 Miles               | 1998              | 5B                        | 2005 |
|        |                 |            |                               | <i>Chloride was relisted by USEPA in 2002.</i>    |                         |                   |                           |      |
|        |                 |            |                               | <u>Chlorodibromome<br/>thane</u>                  | 5.2 Miles               | 2008              | 5A                        | 2021 |
|        |                 |            |                               | <u>Chlorpyrifos</u>                               | 5.2 Miles               | 2006              | 5A                        | 2019 |
|        |                 |            |                               | <u>Coliform Bacteria</u>                          | 5.2 Miles               | 1996              | 5A                        | 2019 |
|        |                 |            |                               | <u>Copper</u>                                     | 5.2 Miles               | 2008              | 5A                        | 2021 |
|        |                 |            |                               | <u>Diazinon</u>                                   | 5.2 Miles               | 2006              | 5A                        | 2019 |
|        |                 |            |                               | <u>Dichlorobromome<br/>thane</u>                  | 5.2 Miles               | 2008              | 5A                        | 2021 |
|        |                 |            |                               | <u>Iron</u>                                       | 5.2 Miles               | 2008              | 5A                        | 2021 |
|        |                 |            |                               | <u>Specific Conductance</u>                       | 5.2 Miles               | 2008              | 5A                        | 2021 |
|        |                 |            |                               | <u>Toxicity</u>                                   | 5.2 Miles               | 2006              | 5A                        | 2019 |
| 4      | River Reach 7   | Stream     | 18070102                      | <u>Coliform Bacteria</u>                          | 21 Miles                | 2002              | 5A                        | 2019 |

## APPENDIX E

| REGION | WATER BODY NAME                      | WATER TYPE       | WATERSHED CALWATER /USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                              | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE<br>*** |
|--------|--------------------------------------|------------------|------------------------------|---|-------------------------|-------------------|---------------------------|-------------|
| 4      | River Reach 11 (Piru)                | River & Stream   | 40341000 / 18070102          | <u>Boron</u>  | 6.2 Miles               | 2006              | 5A                        | 2019        |
|        |                                      |                  |                              | <u>Specific Conductance</u>                                     | 6.2 Miles               | 2008              | 5A                        | 2021        |
|        |                                      |                  |                              | <u>Sulfates</u>   | 6.2 Miles               | 2006              | 5A                        | 2019        |
|        |                                      |                  |                              | <u>Total Dissolved Solids</u>                                   | 6.2 Miles               | 2008              | 5A                        | 2021        |
| 4      | Santa Fe Dam Park Lake               | Lake & Reservoir | 40531000 / 18070105          | <u>Copper</u>   | 20 Acres                | 1996              | 5A                        | 2019        |
|        |                                      |                  |                              | <u>Lead</u>   | 20 Acres                | 1996              | 5A                        | 2019        |
|        |                                      |                  |                              | <u>pH</u>   | 20 Acres                | 1996              | 5A                        | 2019        |
| 4      | Santa Monica Bay Offshore/Near shore | Bay & Harbor     | 40513000 / 18070104          | <u>DDT (tissue &amp; sediment)</u>                              | 146645 Acres            | 1996              | 5A                        | 2019        |
|        |                                      |                  |                              | <i>Centered on Palos Verdes Shelf.</i>                          |                         |                   |                           |             |
|        |                                      |                  |                              | <u>Debris</u>   | 146645 Acres            | 1998              | 5A                        | 2019        |
|        |                                      |                  |                              | <u>Fish Consumption Advisory</u>                                | 146645 Acres            | 1996              | 5A                        | 2019        |
|        |                                      |                  |                              | <u>PCBs (Polychlorinated biphenyls) (tissue &amp; sediment)</u> | 146645 Acres            | 1996              | 5A                        | 2019        |
|        |                                      |                  |                              | <u>Sediment Toxicity</u>  | 146645 Acres            | 1996              | 5A                        | 2019        |



## APPENDIX E

| REGION | WATER BODY NAME     | WATER TYPE              | WATERSHED CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>              | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS | DATE |
|--------|---------------------|-------------------------|-------------------------------|---|-------------------------|-------------------|-------------------------|------|
| 4      | Santa Monica Canyon | River & Stream          | 40513000 / 18070104           | <u>Indicator Bacteria</u>                       | 2.7 Miles               | 1996              | 5B                      | 2002 |
|        |                     |                         |                               | <u>Lead</u>                                     | 2.7 Miles               | 1996              | 5A                      | 2019 |
| 4      | Sawpit Creek        | River & Stream          | 40531000 / 18070105           | <u>Bis(2ethylhexyl)p<br/>htalate (DEHP)</u>     | 3.9 Miles               | 2006              | 5A                      | 2019 |
|        |                     |                         |                               | <u>Fecal Coliform</u>                           | 3.9 Miles               | 2006              | 5A                      | 2019 |
| 4      | Sea Level Beach     | Coastal & Bay Shoreline | 40441000 / 18070104           | <u>DDT</u>                                      | 0.21 Miles              | 1998              | 5A                      | 2019 |
|        |                     |                         |                               | <i>Fish Consumption Advisory for DDT.</i>       |                         |                   |                         |      |
|        |                     |                         |                               | <u>Indicator Bacteria</u>                       | 0.21 Miles              | 2006              | 5B                      | 2002 |
|        |                     |                         |                               | <u>PCBs<br/>(Polychlorinated<br/>biphenyls)</u> | 0.21 Miles              | 1998              | 5A                      | 2019 |
|        |                     |                         |                               | <i>Fish Consumption Advisory for PCBs.</i>      |                         |                   |                         |      |
| 4      | Sepulveda Canyon    | River & Stream          | 405.13 / 18070104             | <u>Ammonia</u>                                  | 0.83 Miles              | 1996              | 5A                      | 2019 |
|        |                     |                         |                               | <u>Copper</u>                                   | 0.83 Miles              | 2006              | 5B                      | 2005 |
|        |                     |                         |                               | <u>Indicator Bacteria</u>                       | 0.83 Miles              | 1996              | 5B                      | 2007 |
|        |                     |                         |                               | <u>Lead</u>                                     | 0.83 Miles              | 1996              | 5B                      | 2005 |
|        |                     |                         |                               | <u>Selenium</u>                                 | 0.83 Miles              | 2006              | 5B                      | 2005 |
|        |                     |                         |                               | <u>Zinc</u>                                     | 0.83 Miles              | 2006              | 5B                      | 2005 |

## APPENDIX E

| REGION | WATER BODY NAME  | WATER TYPE              | WATERSHED *CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                                    | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE *** |
|--------|--|-------------------------|--------------------------------|---|-------------------------|-------------------|---------------------------|----------|
| 4      | Sespe Creek<br>(from 500 ft below confluence with Little Sespe Cr to headwaters) | River & Stream          | 40332020 / 18070102            | <u>Chloride</u>   | 54 Miles                | 2006              | 5A                        | 2019     |
|        |  |                         |                                | <u>pH</u>   | 54 Miles                | 2006              | 5A                        | 2019     |
| 4      | Solstice Canyon Creek  | River & Stream          | 40432000 / 18070104            | <u>Invasive Species</u>   | 4.8 Miles               | 2008              | 5A                        | 2021     |
| 4      | Surfers Point at Seaside   | Coastal & Bay Shoreline | 40210000 / 18070101            | <u>Indicator Bacteria</u>   | 0.4 Miles               | 2002              | 5A                        | 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              | 5B                        | 2002     |
|        |  |                         |                                | <u>DDT</u>  | 2.5 Miles               | 1998              | 5A                        | 2019     |
|        |  |                         |                                | <i>Fish Consumption Advisory for DDT.</i>                             |                         |                   |                           |          |
|        |  |                         |                                | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u>                     | 2.5 Miles               | 1998              | 5A                        | 2019     |
|        |  |                         |                                | <i>Fish Consumption Advisory for PCBs.</i>                            |                         |                   |                           |          |
| 4      | Topanga Canyon Creek   | River & Stream          | 40411000 / 18070104            | <u>Lead</u>   | 8.6 Miles               | 1996              | 5A                        | 2019     |

## APPENDIX E

| REGION | WATER BODY NAME              | WATER TYPE              | WATERSHED # CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE *** |
|--------|------------------------------|-------------------------|---------------------------------|---|-------------------------|-------------------|---------------------------|----------|
| 4      | Torrance Carson Channel      | River & Stream          | 40512000 / 18070104             | <u>Coliform Bacteria</u>                          | 3.4 Miles               | 1996              | 5A                        | 2007     |
|        |                              |                         |                                 | <u>Copper</u>                                     | 3.4 Miles               | 1996              | 5A                        | 2019     |
|        |                              |                         |                                 | <u>Lead</u>                                       | 3.4 Miles               | 1996              | 5A                        | 2019     |
| 4      | Trancas Beach (Broad Beach)  | Coastal & Bay Shoreline | 40437000 / 18070104             | <u>DDT</u>  | 1.7 Miles               | 1998              | 5A                        | 2019     |
|        |                              |                         |                                 | <i>Fish Consumption Advisory for DDT.</i>         |                         |                   |                           |          |
|        |                              |                         |                                 | <u>Fecal Coliform</u>                             | 1.7 Miles               | 2006              | 5B                        | 2002     |
|        |                              |                         |                                 | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 1.7 Miles               | 1998              | 5A                        | 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              | 5A                        | 2019     |
|        |                              |                         |                                 | <u>Mercury</u>                                    | 2.5 Miles               | 1996              | 5A                        | 2019     |
|        |                              |                         |                                 | <u>Sedimentation/Siltation</u>                    | 2.5 Miles               | 2002              | 5A                        | 2019     |
| 4      | Triunfo Canyon Creek Reach 2 | River & Stream          | 40424000 / 18070104             | <u>Lead</u>                                       | 3.3 Miles               | 1996              | 5A                        | 2019     |
|        |                              |                         |                                 | <u>Mercury</u>                                    | 3.3 Miles               | 1996              | 5A                        | 2019     |
|        |                              |                         |                                 | <u>Sedimentation/Siltation</u>                    | 3.3 Miles               | 2002              | 5A                        | 2019     |

## APPENDIX E

| REGION | WATER<br>BODY<br>NAME                          | WATER<br>TYPE     | WATERSHED<br>* CALWATER<br>/ USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                          | ESTIMATED<br>AREA<br>ASSESSED | FIRST<br>YEAR<br>LISTED | TMDL<br>REQUIREMENT<br>STATUS** | DATE<br>*** |
|--------|--|-------------------|---------------------------------------|---|-------------------------------|-------------------------|---------------------------------|-------------|
| 4      | Tujunga<br>Wash (LA<br>River to<br>Hansen Dam) | River &<br>Stream | 40521000 /<br>18070105                | <u>Ammonia</u>  | 9.7 Miles                     | 1996                    | 5B                              | 2004        |
|        |  |                   |                                       | <u>Coliform Bacteria</u>                                    | 9.7 Miles                     | 1996                    | 5A                              | 2009        |
|        |  |                   |                                       | <u>Copper</u>   | 9.7 Miles                     | 1996                    | 5B                              | 2005        |
|        |  |                   |                                       | <u>Trash</u>  | 9.7 Miles                     | 1996                    | 5B                              | 2008        |
| 4      | Ventura<br>Harbor:<br>Ventura Keys             | Bay &<br>Harbor   | 40311000 /<br>18070103                | <u>Coliform Bacteria</u>                                    | 179 Acres                     | 1996                    | 5A                              | 2019        |
|        |  |                   |                                       | <u>DDT</u>  | 0.69 Miles                    | 2006                    | 5A                              | 2019        |
| 4      | Coastal &<br>Ventura<br>Marina Jetties         | Bay<br>Shoreline  | 40311000 /<br>18070103                | <u>PCBs</u><br><u>(Polychlorinated</u><br><u>biphenyls)</u> | 0.69 Miles                    | 2006                    | 5A                              | 2019        |
|        |  |                   |                                       | <u>Algae</u>  | 0.2 Miles                     | 1998                    | 5A                              | 2019        |
| 4      | Ventura River<br>Estuary                       | River &<br>Stream | 40210011 /<br>18070101                | <u>Eutrophic</u>  | 0.2 Miles                     | 1998                    | 5A                              | 2019        |
|        |  |                   |                                       | <u>Total Coliform</u>                                       | 0.2 Miles                     | 2002                    | 5A                              | 2019        |
|        |  |                   |                                       | <i>Stables and horse property may be the sources.</i>       |                               |                         |                                 |             |
|        |  |                   |                                       | <u>Trash</u>  | 0.2 Miles                     | 1998                    | 5B                              | 2008        |

## APPENDIX E

| REGION | WATER BODY NAME  | WATER TYPE     | WATERSHED * CALWATER /USGS HUC | POLLUTANT<br>Relevant Notes | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE |
|--------|--|----------------|--------------------------------|-----------------------------|-------------------------|-------------------|---------------------------|------|
| 4      | Ventura River<br>Reach 1 and 2<br>(Estuary to Weldon Canyon)       | River & Stream | 40210011 /<br>18070101         | <u>Algae</u>                | 4.5 Miles               | 1996              | 5A                        | 2019 |
| 4      | Ventura River<br>Reach 3<br>(Weldon Canyon to Confl. w/ Coyote Cr) | River & Stream | 40210011 /<br>18070101         | <u>Indicator Bacteria</u>   | 2.8 Miles               | 2008              | 5A                        | 2021 |
|        |  |                |                                | <u>Pumping</u>              | 2.8 Miles               | 1996              | 5A                        | 2019 |
|        |  |                |                                | <u>Water Diversion</u>      | 2.8 Miles               | 1996              | 5A                        | 2019 |
| 4      | Ventura River<br>Reach 4<br>(Coyote Creek to Camino Cielo Rd)      | River & Stream | 40220021 /<br>18070101         | <u>Pumping</u>              | 19 Miles                | 1996              | 5A                        | 2019 |
|        |  |                |                                | <u>Water Diversion</u>      | 19 Miles                | 1996              | 5A                        | 2019 |
| 4      | Verdugo Wash Reach 1<br>(LA River to Verdugo Rd.)                  | River & Stream | 40521000 /<br>18070105         | <u>Coliform Bacteria</u>    | 2 Miles                 | 1996              | 5A                        | 2009 |
|        |  |                |                                | <u>Copper</u>               | 2 Miles                 | 2008              | 5A                        | 2021 |
|        |  |                |                                | <u>Trash</u>                | 2 Miles                 | 1996              | 5B                        | 2008 |

## APPENDIX E

| REGION | WATER BODY NAME                                  | WATER TYPE       | WATERSHED # CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>             | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS** | DATE |
|--------|--|------------------|---------------------------------|--|-------------------------|-------------------|---------------------------|------|
| 4      | Verdugo Wash Reach 2 (Above Verdugo Road)        | River & Stream   | 40524000 / 18070105             | <u>Coliform Bacteria</u>                       | 7.6 Miles               | 1996              | 5A                        | 2009 |
|        |  |                  |                                 | <u>Trash</u>                                   | 7.6 Miles               | 1996              | 5B                        | 2008 |
|        |  |                  |                                 |  |                         |                   |                           |      |
| 4      | Walnut Creek Wash (Drains from Puddingstone Res) | River & Stream   | 40531000 / 18070106             | <u>Copper, Dissolved</u>                       | 12 Miles                | 2008              | 5A                        | 2021 |
|        |  |                  |                                 | <u>Indicator Bacteria</u>                      | 12 Miles                | 2008              | 5A                        | 2021 |
|        |  |                  |                                 | <u>Lead</u>                                    | 12 Miles                | 2008              | 5A                        | 2021 |
|        |  |                  |                                 | <u>pH</u>                                      | 12 Miles                | 1996              | 5A                        | 2007 |
| 4      | Westlake Lake                                    | Lake & Reservoir | 40425000 / 18070104             | <u>Algae</u>                                   | 119 Acres               | 1996              | 5B                        | 2003 |
|        |  |                  |                                 | <u>Ammonia</u>                                 | 119 Acres               | 1996              | 5B                        | 2003 |
|        |  |                  |                                 | <u>Eutrophic</u>                               | 119 Acres               | 1996              | 5B                        | 2003 |
|        |  |                  |                                 | <u>Lead</u>                                    | 119 Acres               | 1996              | 5A                        | 2019 |
|        |  |                  |                                 | <u>Organic Enrichment/Low Dissolved Oxygen</u> | 119 Acres               | 1996              | 5B                        | 2003 |
| 4      | Wheeler Canyon/Todd Barranca                     | River & Stream   | 40321000 / 18070102             | <u>Nitrate and Nitrite</u>                     | 10 Miles                | 1998              | 5B                        | 2004 |
|        |  |                  |                                 | <u>Sulfates</u>                                | 10 Miles                | 2002              | 5A                        | 2019 |

## APPENDIX E

| REGION | WATER BODY NAME             | WATER TYPE              | WATERSHED # / CALWATER / USGS HUC | POLLUTANT<br><i>Relevant Notes</i>                | ESTIMATED AREA ASSESSED | FIRST YEAR LISTED | TMDL REQUIREMENT STATUS | DATE |
|--------|-----------------------------|-------------------------|-----------------------------------|---|-------------------------|-------------------|-------------------------|------|
|        |                             |                         |                                   | <u>Total Dissolved Solids</u>                     | 10 Miles                | 2002              | 5A                      | 2019 |
| 4      | Whites Point Beach          | Coastal & Bay Shoreline | 40511000 / 18070104               | <u>DDT</u>  | 1.1 Miles               | 2006              | 5A                      | 2019 |
|        |                             |                         |                                   | <i>Fish Consumption Advisory for DDT.</i>         |                         |                   |                         |      |
|        |                             |                         |                                   | <u>Indicator Bacteria</u>                         | 1.1 Miles               | 2006              | 5B                      | 2002 |
|        |                             |                         |                                   | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 1.1 Miles               | 2006              | 5A                      | 2019 |
|        |                             |                         |                                   | <i>Fish Consumption Advisory for PCBs.</i>        |                         |                   |                         |      |
| 4      | Wilmington Drain            | River & Stream          | 40342000 / 18070104               | <u>Coliform Bacteria</u>                          | 0.56 Miles              | 1996              | 5A                      | 2007 |
|        |                             |                         |                                   | <u>Copper</u>                                     | 0.56 Miles              | 1996              | 5A                      | 2019 |
|        |                             |                         |                                   | <u>Lead</u>                                       | 0.56 Miles              | 1996              | 5A                      | 2019 |
| 4      | Zuma Beach (Westward Beach) | Coastal & Bay Shoreline | 40436000 / 18070104               | <u>DDT</u>  | 1.6 Miles               | 2006              | 5A                      | 2019 |
|        |                             |                         |                                   | <i>Fish Consumption Advisory for DDT.</i>         |                         |                   |                         |      |
|        |                             |                         |                                   | <u>Indicator Bacteria</u>                         | 1.6 Miles               | 2006              | 5B                      | 2002 |
|        |                             |                         |                                   | <u>PCBs</u><br><u>(Polychlorinated biphenyls)</u> | 1.6 Miles               | 2006              | 5A                      | 2019 |
|        |                             |                         |                                   | <i>Fish Consumption Advisory for PCBs.</i>        |                         |                   |                         |      |

## APPENDIX F

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

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

| WATER BODY NAME                                     | CAL WATER WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT                        | TMDL REQUIREMENT STATUS* | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|---|---------------------|-------------------------|----------------------------|----------------------------------|--------------------------|-------------------------------|--------------------------|
| 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                    |                          |
| Alamitos Bay  | 40512000            | 328 Acres               | 5                          | Indicator Bacteria               | A                        | 01/01/2019                    |                          |
| 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                    |                          |
|   |                     |                         |                            | PCBs (Polychlorinated biphenyls) | A                        | 01/01/2019                    |                          |
| Arroyo Seco Reach 1 (LA River to West Holly Ave.)   | 40515010            | 5.15 Miles              | 5                          | Coliform Bacteria                | A                        | 01/01/2009                    |                          |
| Arroyo Seco Reach 2 (Figueroa St. to Riverside Dr.) | 40515010            | 4.42 Miles              | 5                          | Coliform Bacteria                | A                        | 01/01/2009                    | 07/24/2008               |
|   |                     |                         |                            | Trash                            | B                        |                               |                          |
| Artesia-Norwalk Drain                               | 40515010            | 2.5 Miles               | 5                          | Copper                           | A                        | 01/01/2021                    | 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                    |                          |
| Ballona Creek                                       | 40513000            | 6.47 Miles              | 5                          | Cadmium (sediment)               | A                        | 01/01/2005                    |                          |
|   |                     |                         |                            | Coliform Bacteria                | B                        |                               | 03/26/2007               |



## APPENDIX F

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

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

| WATER BODY NAME        | CALIFORNIA WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT  | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|------------------------|----------------------|-------------------------|----------------------------|--|-------------------------|-------------------------------|--------------------------|
| Ballona Creek Estuary  | 40513000             | 2.31 Miles              | 5                          | 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               |
|                        |                      |                         |                            | 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               |
| Ballona Creek Wetlands | 40517000             | 289.21 Acres            | 5                          | Lead (sediment)                                      | B                       |                               | 12/22/2005               |
|                        |                      |                         |                            | 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                    |                          |

## APPENDIX F

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

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

| WATER BODY NAME               | CALIFORNIA WATERWATERSHED | ESTIMATED SIZE<br>AFFECTED | INTEGRATED<br>REPORT<br>CATEGORY | POLLUTANT                           | TMDL<br>REQUIREMENT<br>STATUS | EXPECTED<br>TMDL<br>COMPLETION<br>DATE | DATE<br>USEPA<br>APPROVED<br>TMDL |
|-------------------------------|---------------------------|----------------------------|----------------------------------|-------------------------------------|-------------------------------|--|-----------------------------------|
|                               |                           |                            |                                  | Habitat alterations                 | A                             | 01/01/2019                             |                                   |
|                               |                           |                            |                                  | Hydromodification                   | A                             | 01/01/2019                             |                                   |
|                               |                           |                            |                                  | Reduced Tidal Flushing              | A                             | 01/01/2019                             |                                   |
|                               |                           |                            |                                  | Trash                               | B                             |  | 01/01/2019                        |
| Bell Creek                    | 40521000                  | 8.92 Miles                 | 5                                | Coliform Bacteria                   | A                             | 01/01/2009                             |                                   |
| Big Rock Beach                | 40431000                  | 0.74 Miles                 | 5                                | Coliform Bacteria                   | B                             |  | 06/19/2003                        |
|                               |                           |                            |                                  | DDT                                 | A                             | 01/01/2019                             |                                   |
|                               |                           |                            |                                  | PCBs (Polychlorinated<br>biphenyls) | A                             | 01/01/2019                             |                                   |
| Bluff Cove Beach              | 40511000                  | 0.55 Miles                 | 5                                | DDT                                 | A                             | 01/01/2019                             |                                   |
|                               |                           |                            |                                  | Indicator Bacteria                  | B                             |  | 06/19/2003                        |
|                               |                           |                            |                                  | PCBs (Polychlorinated<br>biphenyls) | A                             | 01/01/2019                             |                                   |
| Brown Barranca/Long<br>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<br>Channel    | 40521000                  | 13.17 Miles                | 5                                | Copper                              | B                             |  | 12/22/2005                        |
|                               |                           |                            |                                  | Cyanide                             | A                             | 01/01/2019                             |                                   |
|                               |                           |                            |                                  | Indicator Bacteria                  | A                             | 01/01/2021                             |                                   |
|                               |                           |                            |                                  | Lead                                | B                             |  | 12/22/2005                        |
|                               |                           |                            |                                  | Selenium                            | A                             | 01/01/2021                             |                                   |
|                               |                           |                            |                                  | Trash                               | B                             |  | 07/24/2008                        |
| Cabrillo Beach (Outer)        | 40512000                  | 0.58 Miles                 | 5                                | DDT                                 | A                             | 01/01/2019                             |                                   |
|                               |                           |                            |                                  | Indicator Bacteria                  | B                             |  | 06/19/2003                        |

## APPENDIX F

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

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

| WATER BODY NAME   | CALIFORNIA WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT                                 | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | USEPA APPROVED TMDL DATE |
|---|----------------------|-------------------------|----------------------------|---|-------------------------|-------------------------------|--------------------------|
| PCBs (Polychlorinated biphenyls)  |                      |                         |                            |   |                         |                               |                          |
| Calleguas Creek Reach 1 (was Mugu Lagoon on 1998 303(d) list)   | 40311000             | 343.8 Acres             | 5                          | Chlordane (tissue)                        | B                       |                               | 01/01/2005               |
|   |                      |                         |                            | Copper                                    | B                       |                               | 03/23/2007               |
|   |                      |                         |                            | DDT (tissue & sediment)                   | B                       |                               | 01/01/2005               |
|   |                      |                         |                            | Dieldrin                                  | B                       |                               | 03/14/2006               |
|   |                      |                         |                            | Endosulfan (tissue)                       | A                       | 01/01/2005                    |                          |
|   |                      |                         |                            | 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               |
| Calleguas Creek Reach 2 (estuary to Potrero Rd-was Calleguas Creek Reaches 1 and 2 on 1998 303d list) | 40312000             | 4.32 Miles              | 5                          | Ammonia                                   | B                       |                               | 06/20/2003               |

## APPENDIX F

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

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

| WATER BODY NAME   | CAL WATER WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT                                 | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|---|---------------------|-------------------------|----------------------------|---|-------------------------|-------------------------------|--------------------------|
| Calleguas Creek Reach<br>3 (Potrero Road<br>upstream to confluence<br>with Conejo Creek on<br>1998 303d list) | 40312000            | 3.47 Miles              | 5                          | ChemA (tissue)                            | A                       | 01/01/2005                    |                          |
|   |                     |                         |                            | Chlordane (tissue)                        | B                       |                               | 01/01/2005               |
|   |                     |                         |                            | Copper, Dissolved                         | B                       |                               | 03/23/2007               |
|   |                     |                         |                            | DDT                                       | B                       |                               | 01/01/2005               |
|   |                     |                         |                            | DDT (tissue & sediment)                   | B                       |                               | 01/01/2005               |
|   |                     |                         |                            | Dieldrin                                  | B                       |                               | 03/14/2006               |
|   |                     |                         |                            | Endosulfan (tissue)                       | A                       | 01/01/2005                    |                          |
|   |                     |                         |                            | Fecal Coliform                            | A                       | 01/01/2006                    |                          |
|   |                     |                         |                            | 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               |
|   |                     |                         |                            | Dieldrin                                  | B                       |                               | 01/01/2019               |
|   |                     |                         |                            | Nitrate and Nitrite                       | B                       |                               | 06/20/2003               |

## APPENDIX F

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

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

| WATER BODY NAME  | CAL WATER WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT                                 | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|--|---------------------|-------------------------|----------------------------|---|-------------------------|-------------------------------|--------------------------|
| Calleguas Creek Reach<br>4 (was Revolon Slough<br>Main Branch: Mugu<br>Lagoon to Central<br>Avenue on 1998 303d<br>list) | 40311000            | 7.19 Miles              | 5                          | PCBs (Polychlorinated biphenyls)          | B                       |                               | 03/14/2006               |
|  |                     |                         |                            | Sedimentation/Siltation                   | A                       | 01/01/2005                    |                          |
|  |                     |                         |                            | Total Dissolved Solids                    | B                       |                               | 12/02/2008               |
|  |                     |                         |                            | Toxaphene                                 | B                       |                               | 01/01/2019               |
|  |                     |                         |                            | ChemA (tissue)                            | A                       | 01/01/2005                    |                          |
|  |                     |                         |                            | Chlordane (tissue & sediment)             | B                       |                               | 01/01/2005               |
|  |                     |                         |                            | Chlorpyrifos (tissue)                     | B                       |                               | 01/01/2005               |
|  |                     |                         |                            | DDT (tissue & sediment)                   | B                       |                               | 01/01/2005               |
|  |                     |                         |                            | Diazinon                                  | B                       |                               | 03/14/2006               |
|  |                     |                         |                            | Dieldrin (tissue)                         | B                       |                               | 01/01/2005               |
|  |                     |                         |                            | Endosulfan (tissue & sediment)            | A                       | 01/01/2005                    |                          |
|  |                     |                         |                            | 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               |

## APPENDIX F

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

(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                                 | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE |            | DATE USEPA APPROVED TMDL |            |
|--|--------------------|-------------------------|----------------------------|---|-------------------------|-------------------------------|------------|--------------------------|------------|
|  |                    |                         |                            |   |                         | TMDL                          | DATE       | DATE                     | TMDL       |
| Calleguas Creek Reach<br>5 (was Beardsley<br>Channel on 1998 303d<br>list)                 | 40311000           | 4.35 Miles              | 5                          | Toxicity                                  | B                       |                               |            |                          | 01/01/2005 |
|  |                    |                         |                            | Trash                                     | B                       |                               |            |                          | 02/27/2008 |
|  |                    |                         |                            | ChemA (tissue)                            | A                       |                               | 01/01/2005 |                          |            |
|  |                    |                         |                            | Chlordane (tissue & sediment)             | B                       |                               |            |                          | 01/01/2005 |
|  |                    |                         |                            | Chlorpyrifos (tissue)                     | B                       |                               |            |                          | 01/01/2005 |
|  |                    |                         |                            | DDT (tissue & sediment)                   | B                       |                               |            |                          | 01/01/2005 |
|  |                    |                         |                            | Dacthal (sediment)                        | A                       |                               | 01/01/2005 |                          |            |
|  |                    |                         |                            | Diazinon                                  | B                       |                               |            |                          | 03/14/2006 |
|  |                    |                         |                            | Dieldrin (tissue)                         | B                       |                               |            |                          | 01/01/2005 |
|  |                    |                         |                            | Endosulfan (tissue & sediment)            | A                       |                               | 01/01/2005 |                          |            |
|  |                    |                         |                            | Nitrogen                                  | B                       |                               |            |                          | 06/20/2003 |
|  |                    |                         |                            | PCBs (Polychlorinated biphenyls) (tissue) | B                       |                               |            |                          | 01/01/2005 |
|  |                    |                         |                            | Sedimentation/Siltation                   | A                       |                               |            |                          |            |
|  |                    |                         |                            | Toxaphene (tissue & sediment)             | B                       |                               | 01/01/2005 |                          | 01/01/2005 |
|  |                    |                         |                            | Toxicity                                  | B                       |                               |            |                          | 01/01/2005 |
| Calleguas Creek Reach<br>6 ( was Arroyo Las<br>Posas Reaches 1 and 2<br>on 1998 303d list) | 40362000           | 15.3 Miles              | 5                          | Trash                                     | B                       |                               |            |                          | 02/27/2008 |
|  |                    |                         |                            | Ammonia                                   | B                       |                               |            |                          | 06/20/2003 |

## APPENDIX F

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

(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                   | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|--|--------------------|-------------------------|----------------------------|-----------------------------|-------------------------|-------------------------------|--------------------------|
| Calleguas Creek Reach<br>7 (was Arroyo Simi<br>Reaches 1 and 2 on 1998<br>303d list) | 40367000           | 13.92 Miles             | 5                          | 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               |
|  |                    |                         |                            | 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                    |                          |
|  |                    |                         |                            | Organophosphorus Pesticides | B                       |                               | 01/01/2005               |
|  |                    |                         |                            | Sedimentation/Siltation     | A                       | 01/01/2005                    |                          |
|  |                    |                         |                            | Sulfates                    | B                       |                               | 12/02/2008               |

## APPENDIX F

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

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

| WATER BODY NAME  | CAL WATER WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT                        | TMDL REQUIREMENT STATUS | EXPECTED             |                          |
|--|---------------------|-------------------------|----------------------------|----------------------------------|-------------------------|----------------------|--------------------------|
|  |                     |                         |                            |                                  |                         | TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
| Calleguas Creek Reach<br>8 (was Tapo Canyon Reach I)                                   | 40366000            | 7.19 Miles              | 5                          | 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               |
|  |                     |                         |                            | Diazinon                         | B                       |                      | 03/14/2006               |
|  |                     |                         |                            | Dieldrin                         | B                       |                      | 03/14/2006               |
|  |                     |                         |                            | PCBs (Polychlorinated biphenyls) | B                       |                      | 03/14/2006               |
| Calleguas Creek Reach<br>9A (was lower part of Conejo Creek Reach I on 1998 303d list) | 40312000            | 1.69 Miles              | 5                          | Sedimentation/Siltation          | A                       | 01/01/2005           |                          |
|  |                     |                         |                            | Sulfates                         | B                       |                      | 12/02/2008               |
|  |                     |                         |                            | Total Dissolved Solids           | B                       |                      | 12/02/2008               |
|  |                     |                         |                            | Toxaphene                        | B                       |                      | 03/14/2006               |
|  |                     |                         |                            | ChemA (tissue)                   | A                       | 01/01/2005           |                          |
|  |                     |                         |                            | Chlordane (tissue)               | B                       |                      | 01/01/2005               |
|  |                     |                         |                            | Chlorpyrifos                     | B                       |                      | 03/14/2006               |



## APPENDIX F

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

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

| WATER BODY NAME   | CALIFORNIA WATER WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT  | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|---|----------------------------|-------------------------|----------------------------|--|-------------------------|-------------------------------|--------------------------|
| Calleguas Creek Reach 9B (was part of Conejo Creek Reaches 1 and 2 on 1998 303d list) | 40363000                   | 6.21 Miles              | 5                          | DDT (tissue)   | B                       |                               | 01/01/2005               |
|   |                            |                         |                            | Diazinon   | B                       |                               | 03/14/2006               |
|   |                            |                         |                            | Dieldrin (tissue)  | B                       |                               | 01/01/2005               |
|   |                            |                         |                            | Endosulfan (tissue)                                      | A                       | 01/01/2005                    |                          |
|   |                            |                         |                            | Fecal Coliform   | A                       | 01/01/2006                    |                          |
|   |                            |                         |                            | Lindane/gamma-Hexachlorocyclohexane (gamma-HCH) (tissue) | A                       | 01/01/2005                    |                          |
|   |                            |                         |                            | Nitrate as Nitrate (NO3)                                 | B                       |                               | 06/20/2003               |
|   |                            |                         |                            | Nitrogen, Nitrate  | B                       |                               | 06/20/2003               |
|   |                            |                         |                            | PCBs (Polychlorinated biphenyls) (tissue)                | B                       |                               | 01/01/2005               |
|   |                            |                         |                            | Sulfates   | B                       |                               | 12/02/2008               |
|   |                            |                         |                            | Total Dissolved Solids                                   | B                       |                               | 12/02/2008               |
|   |                            |                         |                            | Toxaphene (tissue & sediment)                            | B                       |                               | 01/01/2005               |
|   |                            |                         |                            | Toxicity   | B                       |                               | 03/14/2006               |
|   |                            |                         |                            | Ammonia  | B                       |                               | 06/20/2003               |
|   |                            |                         |                            | ChemA (tissue)   | A                       | 01/01/2005                    |                          |
|   |                            |                         |                            | Chlordane  | B                       |                               | 03/14/2006               |
|   |                            |                         |                            | Chloride   | B                       |                               | 12/02/2008               |
|   |                            |                         |                            | Chlorpyrifos   | B                       |                               | 03/14/2006               |

## APPENDIX F

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

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

| WATER BODY NAME  | CAL WATER WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT                        | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|--|---------------------|-------------------------|----------------------------|----------------------------------|-------------------------|-------------------------------|--------------------------|
| Calleguas Creek Reach<br>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                          | DDT (tissue)                     | B                       |                               | 01/01/2005               |
|  |                     |                         |                            | Diazinon                         | B                       |                               | 03/14/2006               |
|  |                     |                         |                            | Dieldrin                         | B                       |                               | 03/14/2006               |
|  |                     |                         |                            | Endosulfan (tissue)              | A                       | 01/01/2005                    |                          |
|  |                     |                         |                            | 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                         | B                       |                               | 03/14/2006               |
|  |                     |                         |                            | Ammonia                          | B                       |                               | 01/01/2002               |
|  |                     |                         |                            | ChemA (tissue)                   | A                       | 01/01/2005                    |                          |
|  |                     |                         |                            | 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               |

## APPENDIX F

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

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

| WATER BODY NAME  | CALWATER<br>WATERSHED | ESTIMATED INTEGRATED<br>SIZE<br>AFFECTED | REPORT<br>CATEGORY | POLLUTANT                           | TMDL<br>REQUIREMENT<br>STATUS | EXPECTED<br>TMDL<br>COMPLETION<br>DATE | DATE<br>USEPA<br>APPROVED<br>TMDL |
|--|-----------------------|--|--------------------|-------------------------------------|-------------------------------|--|-----------------------------------|
| Calleguas Creek Reach<br>11 (Arroyo Santa Rosa,<br>was part of Conejo<br>Creek Reach 3 on 1998<br>303d list) | 40365000              | 8.69 Miles                               | 5                  | Dieldrin                            | B                             |  | 03/14/2006                        |
|  |                       |  |                    | Endosulfan (tissue)                 | A                             | 01/01/2005                             |                                   |
|  |                       |  |                    | Fecal Coliform                      | A                             | 01/01/2006                             |                                   |
|  |                       |  |                    | Nitrogen, Nitrite                   | B                             |  | 06/20/2003                        |
|  |                       |  |                    | PCBs (Polychlorinated<br>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                        |
|  |                       |  |                    | Ammonia                             | B                             |  | 06/20/2003                        |
|  |                       |  |                    | ChernA (tissue)                     | A                             | 01/01/2005                             |                                   |
|  |                       |  |                    | Chlordane                           | B                             |  | 03/14/2006                        |
|  |                       |  |                    | DDT (tissue)                        | B                             |  | 01/01/2005                        |
|  |                       |  |                    | Dieldrin                            | B                             |  | 03/14/2006                        |
|  |                       |  |                    | Endosulfan (tissue)                 | A                             | 01/01/2005                             |                                   |
|  |                       |  |                    | Fecal Coliform                      | A                             | 01/01/2006                             |                                   |
|  |                       |  |                    | PCBs (Polychlorinated<br>biphenyls) | B                             |  | 03/14/2006                        |
|  |                       |  |                    | Sedimentation/Siltation             | A                             | 01/01/2005                             |                                   |

## APPENDIX F

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

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

| WATER BODY NAME  | CALIFORNIA<br>WATERSHED | ESTIMATED INTEGRATED<br>SIZE<br>AFFECTED | REPORT<br>CATEGORY | POLLUTANT                           | TMDL<br>REQUIREMENT<br>STATUS* | EXPECTED                   |                                   |
|--|-------------------------|--|--------------------|-------------------------------------|--------------------------------|----------------------------|-----------------------------------|
|  |                         |  |                    |                                     |                                | TMDL<br>COMPLETION<br>DATE | DATE<br>USEPA<br>APPROVED<br>TMDL |
| Calleguas Creek Reach<br>12 (was Conejo<br>Creek/Arroyo Conejo<br>North Fork on 1998<br>303d list)                             | 40364000                | 5.49 Miles                               | 4A                 | Sulfates                            | B                              |                            | 12/02/2008                        |
|  |                         |  |                    | Total Dissolved Solids              | B                              |                            | 12/02/2008                        |
|  |                         |  |                    | Toxaphene (tissue & sediment)       | B                              |                            | 01/01/2005                        |
|  |                         |  |                    | Toxicity                            | B                              |                            | 01/01/2005                        |
|  |                         |  |                    | Ammonia                             | B                              |                            | 06/20/2003                        |
| Calleguas Creek Reach<br>13 (Conejo Creek South<br>Fork, was Conejo Cr<br>Reach 4 and part of<br>Reach 3 on 1998 303d<br>list) | 40368000                | 17.15 Miles                              | 5                  | Chlordane (tissue)                  | B                              |                            | 01/01/2005                        |
|  |                         |  |                    | DDT (tissue)                        | B                              |                            | 01/01/2005                        |
|  |                         |  |                    | Dieldrin                            | B                              |                            | 03/14/2006                        |
|  |                         |  |                    | PCBs (Polychlorinated<br>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)                      | A                              | 01/01/2005                 |                                   |
|  |                         |  |                    | Chlordane                           | B                              |                            | 03/14/2006                        |

## APPENDIX F

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

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

| WATER BODY NAME                        | CALIFORNIA WATER WATERSHED | ESTIMATED SIZE OF AFFECTED AREA | INTEGRATED REPORT CATEGORY | POLLUTANT                        | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | USEPA APPROVED TMDL DATE |
|--|----------------------------|---------------------------------|----------------------------|----------------------------------|-------------------------|-------------------------------|--------------------------|
| Canada Larga (Ventura River Watershed) | 40210010                   | 8.01 Miles                      | 5                          | Chloride                         | B                       |                               | 12/02/2008               |
|  |                            |                                 |                            | DDT (tissue)                     | B                       |                               | 01/01/2005               |
|  |                            |                                 |                            | Dieldrin                         | B                       |                               | 03/14/2006               |
|  |                            |                                 |                            | Endosulfan (tissue)              | A                       | 01/01/2005                    |                          |
|  |                            |                                 |                            | 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               |
|  |                            |                                 |                            | Fecal Coliform                   | A                       | 01/01/2019                    |                          |
| 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                    |                          |
| Castlerock Beach                       | 40513000                   | 0.21 Miles                      | 5                          | Indicator Bacteria               | B                       |                               | 06/19/2003               |
|  |                            |                                 |                            | PCBs (Polychlorinated biphenyls) | A                       | 01/01/2019                    |                          |
|  |                            |                                 |                            | DDT                              | A                       | 01/01/2019                    |                          |
| Channel Islands Harbor Beach           | 40311000                   | 0.03 Miles                      | 4A                         | Indicator Bacteria               | B                       |                               | 06/19/2003               |
|  |                            |                                 |                            | PCBs (Polychlorinated biphenyls) | A                       | 01/01/2019                    |                          |
|  |                            |                                 |                            | Indicator Bacteria               | A                       | 01/01/2015                    |                          |

## APPENDIX F

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

(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  | TMDL REQUIREMENT STATUS | EXPECTED TMDL DATE | USEPA APPROVED TMDL DATE |
|-----------------|--------------------|-------------------------|----------------------------|--|-------------------------|--------------------|--------------------------|
| Colorado Lagoon | 40512000           | 13.23 Acres             | 5                          | Chlordane (tissue & sediment)                      | A                       | 01/01/2019         |                          |
|                 |                    |                         |                            | DDT (tissue)                                       | A                       | 01/01/2019         |                          |
|                 |                    |                         |                            | Dieldrin (tissue)                                  | A                       | 01/01/2019         |                          |
|                 |                    |                         |                            | Indicator Bacteria                                 | A                       | 01/01/2019         |                          |
|                 |                    |                         |                            | 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         |                          |
| Compton Creek   | 40515010           | 8.51 Miles              | 5                          | Coliform Bacteria                                  | A                       | 01/01/2009         | 12/22/2005               |
|                 |                    |                         |                            | Copper   | B                       |                    | 12/22/2005               |
|                 |                    |                         |                            | Lead   | B                       |                    |                          |
|                 |                    |                         |                            | Trash  | A                       | 01/01/2019         |                          |
|                 |                    |                         |                            | pH   | B                       |                    | 03/18/2004               |
| Coyote Creek    | 40515010           | 13.31 Miles             | 5                          | Ammonia  | C                       |                    |                          |
|                 |                    |                         |                            | Coliform Bacteria                                  | A                       | 01/01/2009         |                          |
|                 |                    |                         |                            | Copper, Dissolved                                  | B                       |                    | 03/27/2007               |
|                 |                    |                         |                            | Diazinon   | A                       | 01/01/2019         |                          |
|                 |                    |                         |                            | Lead   | B                       |                    | 03/27/2007               |
|                 |                    |                         |                            | Sulfates   | A                       | 01/01/2021         |                          |
|                 |                    |                         |                            | Total Dissolved Solids                             | A                       | 01/01/2021         |                          |
|                 |                    |                         |                            | Toxicity   | A                       | 01/01/2008         |                          |
|                 |                    |                         |                            | pH   | A                       | 01/01/2019         |                          |

## APPENDIX F

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

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

| WATER BODY NAME   | CALIFORNIA WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT   | TMDL REQUIREMENT STATUS        | EXPECTED TMDL COMPLETION DATE  | DATE USEPA APPROVED TMDL |
|---|----------------------|-------------------------|----------------------------|---|--------------------------------|--|--------------------------|
| Coyote Creek, North Fork                                      | 40515010             | 5 Miles                 | 5                          | Copper  | A                              | 01/01/2021   |                          |
| Crystal Lake  | 40543000             | 3.71 Acres              | 5                          | Indicator Bacteria<br>Selenium<br>Organic Enrichment/Low Dissolved Oxygen           | A<br>A<br>A                    | 01/01/2021<br>01/01/2021<br>01/01/2019   |                          |
| Dan Blocker Memorial (Coral) Beach                            | 40431000             | 2.1 Miles               | 4A                         | Coliform Bacteria   | B                              |  | 01/01/2002               |
| 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<br><br>Copper<br>Diazinon<br>Indicator Bacteria<br>Lead<br>Toxicity<br>Zinc | A<br><br>A<br>A<br>A<br>A<br>A | 01/01/2019<br><br>01/01/2019<br>01/01/2007<br>01/01/2019<br>01/01/2021<br>01/01/2019 |                          |
| Dominguez Channel Estuary (unlined portion below Vermont Ave) | 40512000             | 140 Acres               | 5                          | Ammonia   | A                              | 01/01/2019   |                          |
|   |                      |                         |                            | Benthic Community Effects<br>Benzo(a)pyrene (PAHs)<br>Benzo[a]anthracene            | A<br>A<br>A                    | 01/01/2019<br>01/01/2019<br>01/01/2019   |                          |

## APPENDIX F

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

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

| WATER BODY NAME   | CALIFORNIA<br>WATERSHED | ESTIMATED INTEGRATED<br>SIZE<br>AFFECTED | REPORT<br>CATEGORY | POLLUTANT                        | TMDL<br>REQUIREMENT<br>STATUS | EXPECTED |            | DATE       |
|---|-------------------------|--|--------------------|----------------------------------|-------------------------------|----------|------------|------------|
|   |                         |  |                    |                                  |                               | TMDL     | COMPLETION | USEPA      |
|   |                         |  |                    |                                  |                               |          | DATE       | TMDL       |
| Dry Canyon Creek  | 40521000                | 3.92 Miles                               | 5                  | 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 |            |
|   |                         |  |                    | Fecal Coliform                   | A                             |          | 01/01/2009 |            |
|   |                         |  |                    | Selenium, Total                  | B                             |          |            | 12/22/2005 |
| Duck Pond Agricultural<br>Drains/Mugu<br>Drain/Oxnard Drain No<br>2 | 40311000                | 11.86 Miles                              | 4A                 | ChemA (tissue)                   | B                             |          |            | 01/01/2005 |
|   |                         |  |                    | 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 |



## APPENDIX F

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

(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                                 | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|-----------------|--------------------|-------------------------|----------------------------|---|-------------------------|-------------------------------|--------------------------|
| Echo Park Lake  | 40515010           | 12.95 Acres             | 5                          | Algae                                     | A                       | 01/01/2019                    |                          |
|                 |                    |                         |                            | Ammonia                                   | A                       | 01/01/2019                    |                          |
|                 |                    |                         |                            | 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                    |                          |
| El Dorado Lakes | 40515010           | 31.05 Acres             | 5                          | Algae                                     | A                       | 01/01/2019                    |                          |
|                 |                    |                         |                            | Ammonia                                   | A                       | 01/01/2019                    |                          |
|                 |                    |                         |                            | Copper                                    | A                       | 01/01/2019                    |                          |
|                 |                    |                         |                            | Eutrophic                                 | A                       | 01/01/2019                    |                          |
|                 |                    |                         |                            | Lead                                      | A                       | 01/01/2019                    |                          |
|                 |                    |                         |                            | Mercury (tissue)                          | A                       | 01/01/2019                    |                          |
|                 |                    |                         |                            | pH  | 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                    |                          |
| Escondido Beach | 40434000           | 1.21 Miles              | 5                          | DDT                                       | A                       | 01/01/2019                    |                          |
|                 |                    |                         |                            | Indicator Bacteria                        | B                       |                               | 06/19/2003               |

## APPENDIX F

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

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

| WATER BODY NAME   | CALIFORNIA<br>WATERSHED | ESTIMATED SIZE<br>AFFECTED | INTEGRATED<br>REPORT<br>CATEGORY | POLLUTANT                           | TMDL<br>REQUIREMENT<br>STATUS | EXPECTED<br>TMDL<br>COMPLETION<br>DATE | DATE<br>USEPA<br>APPROVED<br>TMDL |
|---|-------------------------|----------------------------|----------------------------------|-------------------------------------|-------------------------------|--|-----------------------------------|
| Flat Rock Point Beach<br>Area                             | 40511000                | 0.11 Miles                 | 5                                | DDT                                 | A                             | 01/01/2019                             |                                   |
| Fox Barranca (tributary<br>to Calleguas Creek<br>Reach 6) | 40362000                | 6.72 Miles                 | 5                                | Boron                               | A                             | 01/01/2019                             |                                   |
|   |                         |                            |                                  | Indicator Bacteria                  | B                             |  | 06/19/2003                        |
|   |                         |                            |                                  | PCBs (Polychlorinated<br>biphenyls) | A                             | 01/01/2019                             |                                   |
|   |                         |                            |                                  | Nitrate and Nitrite                 | B                             |  | 06/20/2003                        |
|   |                         |                            |                                  | Sulfates                            | A                             | 01/01/2019                             |                                   |
|   |                         |                            |                                  | Total Dissolved Solids              | A                             | 01/01/2019                             |                                   |
| Hermosa Beach   | 40512000                | 1.98 Miles                 | 4A                               | Indicator Bacteria                  | B                             |  | 06/19/2003                        |
| Hobie Beach (Channel<br>Islands Harbor)                   | 40311000                | 0.1 Miles                  | 4A                               | Indicator Bacteria                  | B                             |  | 12/18/2008                        |
| Hopper Creek  | 40341000                | 13.39 Miles                | 5                                | Sulfates                            | A                             | 01/01/2019                             |                                   |
|   |                         |                            |                                  | Total Dissolved Solids              | A                             | 01/01/2019                             |                                   |
| Inspiration Point Beach                                   | 40511000                | 0.14 Miles                 | 5                                | DDT                                 | A                             | 01/01/2019                             |                                   |
|   |                         |                            |                                  | Indicator Bacteria                  | B                             |  | 06/19/2003                        |
|   |                         |                            |                                  | PCBs (Polychlorinated<br>biphenyls) | A                             | 01/01/2019                             |                                   |
| La Costa Beach  | 40416000                | 0.74 Miles                 | 5                                | DDT                                 | A                             | 01/01/2019                             |                                   |
|   |                         |                            |                                  | Indicator Bacteria                  | B                             |  | 06/19/2003                        |

## APPENDIX F

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

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

| WATER BODY NAME                  | CAL WATER WATERSHED | ESTIMATED INTEGRATED SIZE AFFECTED | REPORT CATEGORY | POLLUTANT                               | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|----------------------------------|---------------------|------------------------------------|-----------------|---|-------------------------|-------------------------------|--------------------------|
| PCBs (Polychlorinated biphenyls) |                     |                                    |                 |   |                         |                               |                          |
| Lake Calabasas                   | 40521000            | 18.01 Acres                        | 5               | Ammonia                                 | A                       | 01/01/2019                    |                          |
|                                  |                     |                                    |                 | 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                    |                          |
|                                  |                     |                                    |                 | Specific Conductivity                   | A                       | 01/01/2019                    |                          |
|                                  |                     |                                    |                 | Trash                                   | A                       | 01/01/2019                    |                          |
| Lake Sherwood                    | 40426000            | 135.07 Acres                       | 5               | Algae                                   | B                       |                               | 03/21/2003               |
|                                  |                     |                                    |                 | Ammonia                                 | B                       |                               | 03/21/2003               |
|                                  |                     |                                    |                 | Eutrophic                               | B                       |                               | 03/21/2003               |
|                                  |                     |                                    |                 | Mercury (tissue)                        | A                       | 01/01/2019                    |                          |

## APPENDIX F

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

(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                               | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|--------------------|--------------------|-------------------------|----------------------------|---|-------------------------|-------------------------------|--------------------------|
| Las Flores Beach   | 40415000           | 1.12 Miles              | 5                          | Organic Enrichment/Low Dissolved Oxygen | B                       |                               | 03/21/2003               |
|                    |                    |                         |                            | Coliform Bacteria                       | B                       |                               | 06/19/2003               |
|                    |                    |                         |                            | DDT                                     | A                       | 01/01/2019                    |                          |
| Las Tunas Beach    | 40412000           | 1.15 Miles              | 5                          | PCBs (Polychlorinated biphenyls)        | A                       | 01/01/2019                    |                          |
|                    |                    |                         |                            | DDT                                     | A                       | 01/01/2019                    |                          |
|                    |                    |                         |                            | Indicator Bacteria                      | B                       |                               | 06/19/2003               |
| Las Virgenes Creek | 40422010           | 11.62 Miles             | 5                          | PCBs (Polychlorinated biphenyls)        | A                       | 01/01/2019                    |                          |
|                    |                    |                         |                            | 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                    |                          |
| Legg Lake          | 40531000           | 24.76 Acres             | 5                          | Selenium                                | A                       | 01/01/2019                    |                          |
|                    |                    |                         |                            | Trash                                   | A                       | 01/01/2019                    |                          |
|                    |                    |                         |                            | Ammonia                                 | A                       | 01/01/2019                    |                          |
|                    |                    |                         |                            | Copper                                  | A                       | 01/01/2019                    |                          |
|                    |                    |                         |                            | Lead                                    | A                       | 01/01/2019                    |                          |
|                    |                    |                         |                            | Odor                                    | A                       | 01/01/2019                    |                          |
|                    |                    |                         |                            | Trash                                   | B                       |                               | 02/27/2008               |
|                    |                    |                         |                            | pH                                      | A                       | 01/01/2019                    |                          |

## APPENDIX F

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| WATER BODY NAME                             | CALWATER WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT              | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|---|--------------------|-------------------------|----------------------------|------------------------|-------------------------|-------------------------------|--------------------------|
| Leo Carillo Beach<br>(South of County Line) | 40444000           | 1.77 Miles              | 4A                         | 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 | A                       | 01/01/2019                    |                          |
|   |                    |                         |                            | Dissolved Oxygen       |                         |                               |                          |
|   |                    |                         |                            | Trash                  | A                       | 01/01/2007                    |                          |
| Lindero Creek Reach 1                       | 40423000           | 2.98 Miles              | 5                          | Algae                  | B                       |                               | 03/21/2003               |
|   |                    |                         |                            | 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                    |                          |
| Lindero Creek Reach 2<br>(Above Lake)       | 40425000           | 4.49 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                    |                          |
| Long Beach City Beach                       | 40512000           | 4.7 Miles               | 5                          | Indicator Bacteria     | A                       | 01/01/2019                    |                          |
| Long Point Beach                            | 40511000           | 0.7 Miles               | 5                          | Coliform Bacteria      | B                       |                               | 06/19/2003               |

## APPENDIX F

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

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| WATER BODY NAME                           | CADWATER WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT  | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|---|--------------------|-------------------------|----------------------------|--|-------------------------|-------------------------------|--------------------------|
| Los Angeles Harbor -<br>Cabrillo Marina   | 40512000           | 77 Acres                | 5                          | DDT  | A                       | 01/01/2019                    |                          |
|   |                    |                         |                            | PCBs (Polychlorinated biphenyls)                     | A                       | 01/01/2019                    |                          |
|   |                    |                         |                            | Benzo(a)pyrene (PAHs)                                | A                       | 01/01/2021                    |                          |
| Los Angeles Harbor -<br>Consolidated Slip | 40512000           | 36 Acres                | 5                          | DDT  | A                       | 01/01/2019                    |                          |
|   |                    |                         |                            | PCBs (Polychlorinated biphenyls)                     | A                       | 01/01/2019                    |                          |
|   |                    |                         |                            | 2-Methylnaphthalene                                  | A                       | 01/01/2008                    |                          |
|   |                    |                         |                            | Benthic Community Effects                            | A                       | 01/01/2019                    |                          |
|   |                    |                         |                            | Benzo(a)pyrene (PAHs)                                | A                       | 01/01/2008                    |                          |
|   |                    |                         |                            | Benzo[a]anthracene                                   | A                       | 01/01/2008                    |                          |
|   |                    |                         |                            | Cadmium (sediment)                                   | A                       | 01/01/2019                    |                          |
|   |                    |                         |                            | Chlordane (tissue & sediment)                        | A                       | 01/01/2019                    |                          |
|   |                    |                         |                            | Chromium (sediment)                                  | A                       | 01/01/2019                    |                          |
|   |                    |                         |                            | Chrysene (C1-C4)                                     | A                       | 01/01/2008                    |                          |
|   |                    |                         |                            | Copper (sediment)                                    | A                       | 01/01/2019                    |                          |
|   |                    |                         |                            | DDT (tissue & sediment)                              | A                       | 01/01/2019                    |                          |
|   |                    |                         |                            | Dieldrin   | A                       | 01/01/2008                    |                          |
|   |                    |                         |                            | Lead (sediment)                                      | A                       | 01/01/2019                    |                          |
|   |                    |                         |                            | Mercury (sediment)                                   | A                       | 01/01/2019                    |                          |
|   |                    |                         |                            | PCBs (Polychlorinated biphenyls) (tissue & sediment) | A                       | 01/01/2019                    |                          |
|   |                    |                         |                            | Phenanthrene   | A                       | 01/01/2008                    |                          |

## APPENDIX F

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| WATER BODY NAME                                      | CALIFORNIA<br>WATERSHED | ESTIMATED SIZE<br>AFFECTED | INTEGRATED<br>REPORT<br>CATEGORY | POLLUTANT                                  | TMDL<br>REQUIREMENT<br>STATUS | EXPECTED |            | DATE  |            |
|--|-------------------------|----------------------------|----------------------------------|--|-------------------------------|----------|------------|-------|------------|
|  |                         |                            |                                  |  |                               | TMDL     | COMPLETION | USEPA | TMDL       |
| Los Angeles Harbor -<br>Fish Harbor                  | 40518000                | 91 Acres                   | 5                                | Pyrene                                     | A                             |          |            |       | 01/01/2008 |
|  |                         |                            |                                  | Sediment Toxicity                          | A                             |          |            |       | 01/01/2019 |
|  |                         |                            |                                  | Toxaphene (tissue)                         | A                             |          |            |       | 01/01/2019 |
|  |                         |                            |                                  | Zinc (sediment)                            | A                             |          |            |       | 01/01/2019 |
|  |                         |                            |                                  | Benzo(a)pyrene (PAHs)                      | A                             |          |            |       | 01/01/2008 |
|  |                         |                            |                                  | 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 |
|  |                         |                            |                                  | Dibenz[a,h]anthracene                      | A                             |          |            |       | 01/01/2019 |
|  |                         |                            |                                  | Lead                                       | A                             |          |            |       | 01/01/2019 |
|  |                         |                            |                                  | Mercury                                    | A                             |          |            |       | 01/01/2019 |
|  |                         |                            |                                  | PAHs (Polycyclic Aromatic<br>Hydrocarbons) | A                             |          |            |       | 01/01/2019 |
| Los Angeles Harbor -<br>Inner Cabrillo Beach<br>Area | 40512000                | 82 Acres                   | 5                                | PCBs (Polychlorinated<br>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  | A                             |          |            |       | 01/01/2019 |

## APPENDIX F

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

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| WATER BODY NAME                                      | CALWATER WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT                                   | TMDL REQUIREMENT STATUS* | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|--|--------------------|-------------------------|----------------------------|---|--------------------------|-------------------------------|--------------------------|
| Los Angeles River Estuary (Queensway Bay)            | 40512000           | 207 Acres               | 5                          | Indicator Bacteria                          | B                        |                               | 01/01/2004               |
|  |                    |                         |                            | PCBs (Polychlorinated biphenyls)            | A                        | 01/01/2019                    |                          |
|  |                    |                         |                            | Chlordane (sediment)                        | A                        | 01/01/2019                    |                          |
|  |                    |                         |                            | DDT (sediment)                              | A                        | 01/01/2019                    |                          |
|  |                    |                         |                            | PCBs (Polychlorinated biphenyls) (sediment) | A                        | 01/01/2019                    |                          |
| Los Angeles River Reach 1 (Estuary to Carson Street) | 40512000           | 3.38 Miles              | 5                          | Sediment Toxicity                           | A                        | 01/01/2019                    | 07/24/2008               |
|  |                    |                         |                            | Trash                                       | B                        |                               |                          |
|  |                    |                         |                            | 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                 |   |                          |                               |                          |



## APPENDIX F

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

(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 INTEGRATED SIZE AFFECTED | REPORT CATEGORY | POLLUTANT         | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | USEPA APPROVED TMDL DATE |
|--|--------------------|------------------------------------|-----------------|-------------------|-------------------------|-------------------------------|--------------------------|
| 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               |
|  |                    |                                    |                 | Nutrients (Algae) | B                       |                               | 03/18/2004               |
|  |                    |                                    |                 | Trash             | B                       |                               | 07/24/2008               |
| Los Angeles River Reach 4 (Sepulveda Dr. to Sepulveda Dam) | 40521000           | 11.06 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               |
|  |                    |                                    |                 | Trash             | B                       |                               | 07/24/2008               |

## APPENDIX F

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

(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  | TMDL REQUIREMENT STATUS* | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|--|--------------------|-------------------------|----------------------------|--|--------------------------|-------------------------------|--------------------------|
| Los Angeles River<br>Reach 5 ( within<br>Sepulveda Basin)                | 40521000           | 1.9 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                    |                          |
|  |                    |                         |                            | Trash  | B                        |                               | 07/24/2008               |
| Los Angeles River<br>Reach 6 (Above<br>Sepulveda Flood Control<br>Basin) | 40521000           | 7 Miles                 | 5                          | 1,1-Dichloroethylene (DCE)/<br>Vinylidene Chloride | A                        | 01/01/2019                    |                          |
|  |                    |                         |                            | Coliform Bacteria                                  | A                        | 01/01/2009                    |                          |
|  |                    |                         |                            | Selenium   | B                        |                               | 12/22/2005               |
|  |                    |                         |                            | Tetrachloroethylene/PCE                            | A                        | 01/01/2019                    |                          |
|  |                    |                         |                            | Trichloroethylene/TCE                              | A                        | 01/01/2019                    |                          |
| Los Angeles/Long Beach<br>Inner Harbor                                   | 40518000           | 3003 Acres              | 5                          | Beach Closures                                     | A                        | 01/01/2004                    |                          |
|  |                    |                         |                            | Benthic Community Effects                          | A                        | 01/01/2019                    |                          |
|  |                    |                         |                            | Benzo(a)pyrene (PAHs)                              | A                        | 01/01/2021                    |                          |
|  |                    |                         |                            | Chrysene (C1-C4)                                   | A                        | 01/01/2021                    |                          |
|  |                    |                         |                            | Copper   | A                        | 01/01/2008                    |                          |
|  |                    |                         |                            | DDT  | A                        | 01/01/2019                    |                          |
|  |                    |                         |                            | PCBs (Polychlorinated<br>biphenyls)                | A                        | 01/01/2019                    |                          |

## APPENDIX F

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

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

| WATER BODY NAME   | CALIFORNIA WATERSHED | ESTIMATED SIZE | INTEGRATED REPORT CATEGORY | POLLUTANT  | TMDL REQUIREMENT STATUS                        | EXPECTED TMDL COMPLETION DATE   | USEPA APPROVED TMDL DATE |
|---|----------------------|----------------|----------------------------|--|--|---|--------------------------|
| Los Angeles/Long Beach Outer Harbor (inside breakwater) | 40512000             | 4042 Acres     | 5                          | Sediment Toxicity<br>Zinc<br>DDT   | A<br>A<br>A                                    | 01/01/2009<br>01/01/2008<br>01/01/2019  |                          |
| Los Cerritos Channel                                    | 40515010             | 30.5 Acres     | 5                          | PCBs (Polychlorinated biphenyls)<br>Sediment Toxicity<br>Ammonia<br>Bis(2ethylhexyl)phthalate (DEHP)<br>Chlordane (sediment)<br>Coliform Bacteria<br>Copper<br>Lead<br>Trash<br>Zinc | A<br>A<br>A<br>A<br>A<br>A<br>A<br>A<br>A<br>A | 01/01/2019<br>01/01/2008<br>01/01/2019<br>01/01/2019<br>01/01/2019<br>01/01/2019<br>01/01/2019<br>01-JAN-1800<br>01/01/2019 |                          |
| Lunada Bay Beach  | 40511000             | 0.63 Miles     | 4A                         | Indicator Bacteria   | B  |   | 01/01/2002               |
| 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  |                          |
|   |                      |                |                            | Chlordane (tissue)   | A  | 01/01/2019  |                          |
|   |                      |                |                            | DDT (tissue)   | A  | 01/01/2019  |                          |
|   |                      |                |                            | Dieldrin (tissue)  | A  | 01/01/2019  |                          |

## APPENDIX F

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

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

| WATER BODY NAME   | CALIFORNIA<br>WATERSHED | ESTIMATED INTEGRATED<br>SIZE<br>AFFECTED CATEGORY | REPORT<br>CATEGORY | POLLUTANT                                    | TMDL<br>REQUIREMENT<br>STATUS | EXPECTED<br>TMDL<br>COMPLETION DATE | DATE<br>USEPA<br>APPROVED<br>TMDL |
|-------------------|-------------------------|---|--------------------|--|-------------------------------|-------------------------------------|-----------------------------------|
| Malaga Cove Beach | 40511000                | 0.39 Miles  | 5                  | Eutrophic                                    | B                             |                                     | 03/11/2009                        |
|                   |                         |   |                    | Odor   | B                             |                                     | 03/11/2009                        |
|                   |                         |   |                    | PCBs (Polychlorinated<br>biphenyls) (tissue) | A                             | 01/01/2019                          |                                   |
|                   |                         |   |                    | Trash  | B                             |                                     | 03/06/2008                        |
|                   |                         |   |                    | DDT  | A                             | 01/01/2019                          |                                   |
| Malibu Lake       | 40424000                | 39.51 Acres                                       | 4A                 | Indicator Bacteria                           | B                             |                                     | 01/01/2002                        |
|                   |                         |   |                    | PCBs (Polychlorinated<br>biphenyls)          | A                             | 01/01/2019                          |                                   |
|                   |                         |   |                    | Algae  | B                             |                                     | 03/21/2003                        |
|                   |                         |   |                    | Eutrophic                                    | B                             |                                     | 03/21/2003                        |
| Malibu Beach      | 40421000                | 0.77 Miles  | 5                  | Organic Enrichment/Low<br>Dissolved Oxygen   | B                             |                                     | 03/21/2003                        |
|                   |                         |   |                    | DDT  | A                             | 01/01/2019                          |                                   |
|                   |                         |   |                    | Indicator Bacteria                           | B                             |                                     | 01/01/2002                        |
| Malibu Creek      | 40421000                | 10.85 Miles                                       | 5                  | 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                          |                                   |
| Malibu Lagoon     | 40421000                | 14.72 Acres                                       | 5                  | Trash  | A                             | 01/01/2019                          |                                   |
|                   |                         |   |                    | Benthic Community Effects                    | C                             |                                     |                                   |

## APPENDIX F

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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                     | CALIFORNIA WATER WATERSHED | ESTIMATED SIZE | INTEGRATED REPORT CATEGORY | POLLUTANT  | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE       |
|-------------------------------------|----------------------------|----------------|----------------------------|--|-------------------------|-------------------------------|------------|
|                                     |                            |                |                            | Coliform Bacteria                                    | B                       |                               | 01/01/2005 |
|                                     |                            |                |                            | Eutrophic  | B                       |                               | 03/21/2003 |
|                                     |                            |                |                            | Shellfish Harvesting Advisory                        | A                       | 01/01/2005                    |            |
|                                     |                            |                |                            | Swimming Restrictions                                | B                       |                               | 01/10/2006 |
|                                     |                            |                |                            | Viruses (enteric)                                    | B                       |                               | 01/10/2006 |
|                                     |                            |                |                            | pH   | A                       | 01/01/2006                    |            |
| Malibu Lagoon Beach (Surfrider)     | 40421000                   | 1.01 Miles     | 5                          | Coliform Bacteria                                    | B                       |                               | 06/19/2003 |
|                                     |                            |                |                            | DDT  | A                       | 01/01/2019                    |            |
|                                     |                            |                |                            | PCBs (Polychlorinated biphenyls)                     | A                       | 01/01/2019                    |            |
| 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)                                    | B                       |                               | 01/01/2005 |
|                                     |                            |                |                            | DDT (tissue)   | A                       | 01/01/2005                    |            |
|                                     |                            |                |                            | Dieldrin (tissue)                                    | A                       | 01/01/2005                    |            |
|                                     |                            |                |                            | Fish Consumption Advisory                            | B                       |                               | 01/01/2005 |
|                                     |                            |                |                            | Indicator Bacteria                                   | B                       |                               | 03/18/2004 |
|                                     |                            |                |                            | Lead (sediment)                                      | B                       |                               | 01/01/2005 |
|                                     |                            |                |                            | PCBs (Polychlorinated biphenyls) (tissue & sediment) | B                       |                               | 01/01/2005 |
|                                     |                            |                |                            | Sediment Toxicity                                    | B                       |                               | 01/01/2005 |
|                                     |                            |                |                            | Zinc (sediment)                                      | B                       |                               | 01/01/2005 |

## APPENDIX F

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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   | CALIFORNIA WATERWASHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT                                   | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|---|------------------------|-------------------------|----------------------------|---|-------------------------|-------------------------------|--------------------------|
| 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               | 0.64 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               | 4.03 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                    |                          |
|   |                        |                         |                            | Fecal Coliform                              | A                       | 01/01/2019                    |                          |
|   |                        |                         |                            | PCBs (Polychlorinated biphenyls) (sediment) | A                       | 01/01/2019                    |                          |
|   |                        |                         |                            | Sediment Toxicity                           | A                       | 01/01/2019                    |                          |
| 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                    |                          |

## APPENDIX F

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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                        | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|--|--------------------|-------------------------|----------------------------|----------------------------------|-------------------------|-------------------------------|--------------------------|
| Medea Creek Reach 2<br>(Abv Confl. with Lindero)   | 40423000           | 5.41 Miles              | 5                          | Selenium                         | A                       | 01/01/2019                    | 03/21/2003               |
|  |                    |                         |                            | Trash                            | A                       | 01/01/2019                    |                          |
|  |                    |                         |                            | Algae                            | B                       |                               |                          |
|  |                    |                         |                            | 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<br>Reach 1 (Confl to Rowlet 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                              | A                       | 01/01/2019                    |                          |
|  |                    |                         |                            | Indicator Bacteria               | B                       |                               | 01/01/2002               |
|  |                    |                         |                            | PCBs (Polychlorinated biphenyls) | A                       | 01/01/2019                    |                          |
| Ormond Beach                                       | 40311000           | 3.1 Miles               | 5                          | Indicator Bacteria               | A                       | 01/01/2015                    |                          |
| Palo Comado Creek                                  | 40423000           | 6.76 Miles              | 4A                         | Coliform Bacteria                | B                       |                               | 01/01/2005               |

## APPENDIX F

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| WATER BODY NAME  | CALWATER WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT                               | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|--|--------------------|-------------------------|----------------------------|---|-------------------------|-------------------------------|--------------------------|
| Palo Verde Shoreline Park Beach  | 40511000           | 0.24 Miles              | 5                          | Pathogens                               | B                       |                               | 06/19/2003               |
| Paradise Cove Beach  | 40435000           | 1.66 Miles              | 5                          | Pesticides                              | A                       | 01/01/2019                    |                          |
|  |                    |                         |                            | DDT                                     | A                       | 01/01/2019                    |                          |
|  |                    |                         |                            | Fecal Coliform                          | B                       |                               | 06/19/2003               |
|  |                    |                         |                            | PCBs (Polychlorinated biphenyls)        | A                       | 01/01/2019                    |                          |
| 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                    |                          |
| Peninsula Beach  | 40311000           | 0.15 Miles              | 5                          | Indicator Bacteria                      | A                       | 01/01/2003                    |                          |
| 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                                     | A                       | 01/01/2019                    |                          |
|  |                    |                         |                            | Indicator Bacteria                      | B                       |                               | 01/01/2002               |
|  |                    |                         |                            | PCBs (Polychlorinated biphenyls)        | A                       | 01/01/2019                    |                          |



## APPENDIX F

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| WATER BODY NAME                                | CALIFORNIA WATER WATERSHED | ESTIMATED INTEGRATED SIZE AFFECTED | REPORT CATEGORY | POLLUTANT                                 | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|--|----------------------------|------------------------------------|-----------------|---|-------------------------|-------------------------------|--------------------------|
| Point Fermin Park Beach                        | 40512000                   | 1.6 Miles                          | 5               | DDT                                       | A                       | 01/01/2019                    |                          |
|  |                            |                                    |                 | PCBs (Polychlorinated biphenyls)          | A                       | 01/01/2019                    |                          |
| Point Vicente Beach                            | 40511000                   | 0.63 Miles                         | 4A              | Total Coliform                            | B                       |                               | 01/01/2002               |
| Pole Creek (trib to Santa Clara River Reach 3) | 40331000                   | 9.02 Miles                         | 5               | Indicator Bacteria                        | B                       |                               | 01/01/2002               |
|  |                            |                                    |                 | Sulfates                                  | A                       | 01/01/2019                    |                          |
|  |                            |                                    |                 | Total Dissolved Solids                    | A                       | 01/01/2019                    |                          |
| Port Hueneme Harbor (Back Basins)              | 40311000                   | 64.8 Acres                         | 4B              | DDT (tissue)                              | C                       |                               |                          |
|  |                            |                                    |                 | 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                                       | A                       | 01/01/2019                    |                          |
|  |                            |                                    |                 | Indicator Bacteria                        | B                       |                               | 01/01/2002               |
|  |                            |                                    |                 | PCBs (Polychlorinated biphenyls)          | A                       | 01/01/2019                    |                          |
| Promenade Park Beach                           | 40210000                   | 0.58 Miles                         | 5               | Indicator Bacteria                        | A                       | 01/01/2015                    |                          |
| Puddingstone Reservoir                         | 40552000                   | 243.08 Acres                       | 5               | Chlordane (tissue)                        | A                       | 01/01/2019                    |                          |

## APPENDIX F

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

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| WATER BODY NAME                       | CAL WATER WATERSHED | ESTIMATED INTEGRATED SIZE AFFECTED | REPORT CATEGORY | POLLUTANT                                 | TMDL REQUIREMENT STATUS* | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|---------------------------------------|---------------------|------------------------------------|-----------------|---|--------------------------|-------------------------------|--------------------------|
|                                       |                     |                                    |                 | DDT (tissue)                              | A                        | 01/01/2019                    |                          |
|                                       |                     |                                    |                 | 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                    |                          |
|                                       |                     |                                    |                 | Selenium                                  | A                        | 01/01/2021                    |                          |
|                                       |                     |                                    |                 | Sulfates                                  | A                        | 01/01/2021                    |                          |
| Puerto Beach                          | 40431000            | 0.5 Miles                          | 5               | DDT                                       | A                        | 01/01/2019                    |                          |
|                                       |                     |                                    |                 | Indicator Bacteria                        | B                        |                               | 01/01/2002               |
|                                       |                     |                                    |                 | PCBs (Polychlorinated biphenyls)          | A                        | 01/01/2019                    |                          |
| Redondo Beach                         | 40512000            | 1.49 Miles                         | 5               | Coliform Bacteria                         | B                        |                               | 06/19/2003               |
|                                       |                     |                                    |                 | DDT                                       | A                        | 01/01/2019                    |                          |
|                                       |                     |                                    |                 | PCBs (Polychlorinated biphenyls)          | A                        | 01/01/2019                    |                          |
| 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                    |                          |
| Río 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               |

## APPENDIX F

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

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

| WATER BODY NAME  | CAL WATER WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT                                 | TMDL REQUIREMENT |  | EXPECTED TMDL COMPLETION |  | DATE APPROVED |            |
|--|---------------------|-------------------------|----------------------------|---|------------------|--|--------------------------|--|---------------|------------|
|  |                     |                         |                            |   | STATUS           |  | DATE                     |  | TMDL          |            |
| Rio Hondo Reach 1<br>(Confl. LA River to Snt<br>Ana Fwy) | 40515010            | 4.55 Miles              | 5                          | PCBs (Polychlorinated biphenyls) (tissue) | A                |  | 01/01/2019               |  |               |            |
|  |                     |                         |                            | Sediment Toxicity                         | A                |  | 01/01/2019               |  |               |            |
|  |                     |                         |                            | Toxaphene (tissue)                        | A                |  | 01/01/2019               |  |               |            |
|  |                     |                         |                            | Coliform Bacteria                         | A                |  | 01/01/2009               |  |               |            |
|  |                     |                         |                            | Copper                                    | B                |  |                          |  |               | 12/22/2005 |
|  |                     |                         |                            | Cyanide                                   | A                |  | 01/01/2021               |  |               |            |
| Rio Hondo Reach 2 (At<br>Spreading Grounds)              | 40515010            | 4.92 Miles              | 5                          | 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 |
|  |                     |                         |                            | Coliform Bacteria                         | A                |  | 01/01/2009               |  |               |            |
| Robert H. Meyer<br>Memorial Beach                        | 40441000            | 1.17 Miles              | 5                          | Beach Closures                            | A                |  | 01/01/2019               |  |               |            |
|  |                     |                         |                            | DDT                                       | A                |  |                          |  |               | 01/01/2019 |
|  |                     |                         |                            | PCBs (Polychlorinated biphenyls)          | A                |  | 01/01/2019               |  |               |            |
| Royal Palms Beach  | 40511000            | 1.14 Miles              | 5                          | DDT                                       | A                |  | 01/01/2019               |  |               | 01/01/2002 |
|  |                     |                         |                            | Indicator Bacteria                        | B                |  |                          |  |               |            |

## APPENDIX F

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

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

| WATER BODY NAME   | CALIFORNIA<br>WATERSHED | ESTIMATED INTEGRATED<br>SIZE<br>AFFECTED | REPORT<br>CATEGORY | POLLUTANT          | TMDL<br>REQUIREMENT<br>STATUS | EXPECTED<br>TMDL<br>COMPLETION DATE | DATE<br>USEPA<br>APPROVED<br>TMDL |
|---|-------------------------|--|--------------------|--------------------|-------------------------------|-------------------------------------|-----------------------------------|
| PCBs (Polychlorinated biphenyls)                                    |                         |  |                    |                    |                               |                                     |                                   |
| San Antonio Creek<br>(Tributary to Ventura<br>River Reach 4)        | 40220023                | 9.79 Miles                               | 5                  | Indicator Bacteria | A                             | 01/01/2021                          |                                   |
| Nitrogen  |                         |  |                    |                    |                               |                                     |                                   |
| Total Dissolved Solids  |                         |  |                    |                    | A                             | 01/01/2019                          |                                   |
| Indicator Bacteria  |                         |  |                    |                    | A                             | 01/01/2023                          |                                   |
| San Buenaventura Beach  | 40210000                | 1.8 Miles                                | 5                  | Indicator Bacteria | A                             | 01/01/2015                          |                                   |
| Copper  |                         |  |                    |                    |                               |                                     |                                   |
| San Gabriel River<br>Estuary  | 40516000                | 3.36 Miles                               | 5                  |                    | B                             |                                     | 03/27/2007                        |
| Dioxin  |                         |  |                    |                    |                               |                                     |                                   |
| Nickel  |                         |  |                    |                    | A                             | 01/01/2021                          |                                   |
| Oxygen, Dissolved   |                         |  |                    |                    | A                             | 01/01/2021                          |                                   |
| San Gabriel River Reach<br>1 (Estuary to Firestone)                 | 40515010                | 6.37 Miles                               | 5                  | Coliform Bacteria  | A                             | 01/01/2019                          |                                   |
| Total Dissolved Solids  |                         |  |                    |                    |                               |                                     |                                   |
| pH  |                         |  |                    |                    | A                             | 01/01/2021                          |                                   |
| San Gabriel River Reach<br>2 (Firestone to Whittier<br>Narrows Dam) | 40515010                | 12.28 Miles                              | 5                  | Coliform Bacteria  | A                             | 01/01/2011                          |                                   |
| Cyanide   |                         |  |                    |                    |                               |                                     |                                   |
| Lead  |                         |  |                    |                    | A                             | 01/01/2021                          |                                   |
|   |                         |  |                    |                    | B                             |                                     | 03/27/2007                        |

## APPENDIX F

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

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

| WATER BODY NAME  | CAL WATER WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT                        | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|--|---------------------|-------------------------|----------------------------|----------------------------------|-------------------------|-------------------------------|--------------------------|
| 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                       |                               |                          |
|  |                     |                         |                            | Coliform Bacteria                | A                       | 01/01/2009                    |                          |
|  |                     |                         |                            | Sulfates                         | A                       | 01/01/2021                    |                          |
|  |                     |                         |                            | 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                    |                          |
|  |                     |                         |                            | PCBs (Polychlorinated biphenyls) | A                       | 01/01/2019                    |                          |
|  |                     |                         |                            | Sediment Toxicity                | A                       | 01/01/2009                    |                          |
| Santa Clara River Estuary                              | 40311000            | 49.06 Acres             | 5                          | Arsenic                          | A                       | 01/01/2021                    |                          |
|  |                     |                         |                            | ChemA                            | A                       | 01/01/2019                    |                          |

## APPENDIX F

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

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

| WATER BODY NAME  | CALIFORNIA WATER WATERSHED | ESTIMATED INTEGRATED SIZE | REPORT CATEGORY | POLLUTANT              | TMDL REQUIREMENT STATUS* | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|--|----------------------------|---------------------------|-----------------|------------------------|--------------------------|-------------------------------|--------------------------|
| Santa Clara River Estuary Beach-Surfers Knoll  | 40311000                   | 1 Miles                   | 5               | Coliform Bacteria      | A                        | 01/01/2019                    |                          |
|  |                            |                           |                 | Nitrogen, Nitrate      | A                        | 01/01/2021                    |                          |
|  |                            |                           |                 | Toxaphene              | A                        | 01/01/2019                    |                          |
|  |                            |                           |                 | Toxicity               | A                        | 01/01/2019                    |                          |
|  |                            |                           |                 | 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                    |                          |
| 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               | Ammonia                | B                        |                               | 03/18/2004               |
|  |                            |                           |                 | Chloride               | B                        |                               | 01/01/2005               |
|  |                            |                           |                 | Chlorodibromomethane   | A                        | 01/01/2021                    |                          |

## APPENDIX F

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

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| WATER BODY NAME   | CALIFORNIA WATER WATERSHED | ESTIMATED INTEGRATED SIZE AFFECTED | REPORT CATEGORY | POLLUTANT                        | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|---|----------------------------|------------------------------------|-----------------|----------------------------------|-------------------------|-------------------------------|--------------------------|
| 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               | Coliform Bacteria                | A                       | 01/01/2019                    | 03/18/2004               |
|   |                            |                                    |                 | DDT                              | A                       | 01/01/2023                    |                          |
|   |                            |                                    |                 | Dichlorobromomethane             | A                       | 01/01/2021                    |                          |
|   |                            |                                    |                 | Iron                             | A                       | 01/01/2021                    |                          |
|   |                            |                                    |                 | Nitrate and Nitrite              | B                       |                               |                          |
|   |                            |                                    |                 | PCBs (Polychlorinated biphenyls) | A                       | 01/01/2021                    |                          |
|   |                            |                                    |                 | Specific Conductivity            | A                       | 01/01/2021                    |                          |
|   |                            |                                    |                 | Ammonia                          | B                       |                               |                          |
|   |                            |                                    |                 | Bis(2ethylhexyl)phthalate (DEHP) | A                       | 01/01/2021                    |                          |
|   |                            |                                    |                 | Chloride                         | B                       |                               |                          |
|   |                            |                                    |                 | Chlorodibromomethane             | A                       | 01/01/2021                    | 01/01/2005               |
|   |                            |                                    |                 | 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                    |                          |
|   |                            |                                    |                 | Iron                             | A                       | 01/01/2021                    |                          |
|   |                            |                                    |                 | Specific Conductance             | A                       | 01/01/2021                    |                          |

## APPENDIX F

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| WATER BODY NAME   | CALIFORNIA<br>WATERSHED | ESTIMATED SIZE<br>AFFECTED | INTEGRATED<br>REPORT<br>CATEGORY | POLLUTANT                     | TMDL<br>REQUIREMENT<br>STATUS | EXPECTED<br>TMDL<br>COMPLETION<br>DATE | DATE<br>USEPA<br>APPROVED<br>TMDL |
|---|-------------------------|----------------------------|----------------------------------|-------------------------------|-------------------------------|--|-----------------------------------|
| Santa Clara River Reach<br>7 (Bouquet Canyon Rd<br>to above Lang Gaging<br>Station) (was named<br>Santa Clara River Reach<br>9 on 2002 303(d) list) | 40351000                | 21 Miles                   | 5                                | Toxicity<br>Coliform Bacteria | A<br>A                        | 01/01/2019<br>01/01/2019               |                                   |
| Santa Clara River Reach<br>11 (Piru Creek, from<br>confluence with Santa<br>Clara River Reach 4 to<br>gaging station below<br>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                             |                                   |
|   |                         |                            |                                  | Specific Conductance          | A                             | 01/01/2021                             |                                   |
|   |                         |                            |                                  | Sulfates                      | A                             | 01/01/2019                             |                                   |
|   |                         |                            |                                  | Total Dissolved Solids        | A                             | 01/01/2021                             |                                   |
|   |                         |                            |                                  | Lead                          | A                             | 01/01/2019                             |                                   |
|   |                         |                            |                                  | pH                            | A                             | 01/01/2019                             |                                   |
| Santa Monica Bay<br>Offshore/Nearshore  | 40513000                | 146645 Acres               | 5                                | DDT (issue & sediment)        | A                             | 01/01/2019                             |                                   |
|   |                         |                            |                                  | Debris                        | A                             | 01/01/2019                             |                                   |



## APPENDIX F

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| WATER BODY NAME  | CALIFORNIA<br>WATERSHED | ESTIMATED SIZE<br>AFFECTED | INTEGRATED<br>REPORT<br>CATEGORY | POLLUTANT                           | TMDL<br>REQUIREMENT<br>STATUS | EXPECTED<br>TMDL<br>COMPLETION DATE | DATE<br>USEPA<br>APPROVED<br>TMDL |
|--|-------------------------|----------------------------|----------------------------------|-------------------------------------|-------------------------------|-------------------------------------|-----------------------------------|
| Fish Consumption Advisory  |                         |                            |                                  |                                     |                               |                                     |                                   |
| Santa Monica Beach   | 40513000                | 3.04 Miles                 | 4A                               | Indicator Bacteria                  | A                             | 01/01/2019                          | 01/01/2002                        |
| Santa Monica Canyon  | 40513000                | 2.7 Miles                  | 5                                | Indicator Bacteria                  | B                             | 01/01/2019                          | 01/01/2002                        |
| Lead   |                         |                            |                                  |                                     |                               |                                     |                                   |
| Sawpit Creek   | 40531000                | 3.9 Miles                  | 5                                | Bis(2ethylhexyl)phthalate<br>(DEHP) | A                             | 01/01/2019                          |                                   |
| Fecal Coliform   |                         |                            |                                  |                                     |                               |                                     |                                   |
| Sea Level Beach  | 40441000                | 0.21 Miles                 | 5                                | DDT                                 | A                             | 01/01/2019                          |                                   |
| Indicator Bacteria   |                         |                            |                                  |                                     |                               |                                     |                                   |
| PCBs (Polychlorinated biphenyls)   |                         |                            |                                  |                                     |                               |                                     |                                   |
| Sepulveda Canyon   | 405.13                  | 0.83 Miles                 | 5                                | Ammonia                             | A                             | 01/01/2019                          |                                   |
| Copper   |                         |                            |                                  |                                     |                               |                                     |                                   |
| Indicator Bacteria   |                         |                            |                                  |                                     |                               |                                     |                                   |
| Lead   |                         |                            |                                  |                                     |                               |                                     |                                   |
| Selenium   |                         |                            |                                  |                                     |                               |                                     |                                   |
| Zinc   |                         |                            |                                  |                                     |                               |                                     |                                   |
| Sespe Creek (from 500 ft<br>below confluence with<br>Little Sespe Cr to<br>headwaters) | 40332020                | 54 Miles                   | 5                                | Chloride                            | A                             | 01/01/2019                          |                                   |
| pH   |                         |                            |                                  |                                     |                               |                                     |                                   |
| A  |                         |                            |                                  |                                     |                               |                                     |                                   |

## APPENDIX F

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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                        | TMDL REQUIREMENT STATUS* | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|------------------------------|--------------------|-------------------------|----------------------------|----------------------------------|--------------------------|-------------------------------|--------------------------|
| Solstice Canyon Creek        | 40432000           | 4.8 Miles               | 5                          | Invasive Species                 | A                        | 01/01/2021                    |                          |
| Stokes Creek                 | 40422020           | 4.72 Miles              | 4A                         | Coliform Bacteria                | B                        |                               | 01/01/2005               |
| Surfers Point at Seaside     | 40210000           | 0.4 Miles               | 5                          | Indicator Bacteria               | A                        | 01/01/2015                    |                          |
| Topanga Beach                | 40413000           | 2.5 Miles               | 5                          | Coliform Bacteria                | B                        |                               | 06/19/2002               |
|                              |                    |                         |                            | DDT                              | A                        | 01/01/2019                    |                          |
|                              |                    |                         |                            | PCBs (Polychlorinated biphenyls) | A                        | 01/01/2019                    |                          |
| 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               |
| Trancas Beach (Broad Beach)  | 40437000           | 1.74 Miles              | 5                          | DDT                              | A                        | 01/01/2019                    |                          |
|                              |                    |                         |                            | Fecal Coliform                   | B                        |                               | 01/01/2002               |
|                              |                    |                         |                            | PCBs (Polychlorinated biphenyls) | A                        | 01/01/2019                    |                          |
| 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                    |                          |

## APPENDIX F

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| WATER BODY NAME  | CAL WATER WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT                        | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|--|---------------------|-------------------------|----------------------------|----------------------------------|-------------------------|-------------------------------|--------------------------|
| Triunfo Canyon Creek Reach 2                                 | 40424000            | 3.32 Miles              | 5                          | 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                    |                          |
| Ventura Marina Jetties                                       | 40311000            | 0.69 Miles              | 5                          | DDT                              | A                       | 01/01/2019                    |                          |
|  |                     |                         |                            | PCBs (Polychlorinated biphenyls) | A                       | 01/01/2019                    |                          |
| Ventura River Estuary  | 40210011            | 0.2 Miles               | 5                          | Algae                            | A                       | 01/01/2019                    |                          |
|  |                     |                         |                            | Eutrophic                        | A                       | 01/01/2019                    |                          |
|  |                     |                         |                            | Total Coliform                   | A                       | 01/01/2019                    |                          |
|  |                     |                         |                            | 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                    |                          |

## APPENDIX F

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| WATER BODY NAME  | CALWATER WATERSHED | ESTIMATED SIZE AFFECTED | INTEGRATED REPORT CATEGORY | POLLUTANT   | TMDL REQUIREMENT STATUS*        | EXPECTED TMDL COMPLETION DATE  | DATE USEPA APPROVED TMDL |
|--|--------------------|-------------------------|----------------------------|---|---------------------------------|--|--------------------------|
| Ventura River Reach 4<br>(Coyote Creek to Camino Cielo Rd) | 40220021           | 19.22 Miles             | 5                          | Pumping<br>Water Diversion<br>Pumping                                     | A<br>A<br>A                     | 01/01/2019<br>01/01/2019<br>01/01/2019   |                          |
| Verdugo Wash Reach 1<br>(LA River to Verdugo Rd.)          | 40521000           | 2.02 Miles              | 5                          | Water Diversion<br>Coliform Bacteria                                      | A<br>A                          | 01/01/2019<br>01/01/2009   |                          |
| Verdugo Wash Reach 2<br>(Above Verdugo Road)               | 40524000           | 7.55 Miles              | 5                          | Copper<br>Trash<br>Coliform Bacteria                                      | A<br>B<br>A                     | 01/01/2021<br>07/24/2008<br>01/01/2009   |                          |
| Walnut Creek Wash<br>(Drains from Puddingstone Res)        | 40531000           | 11.7 Miles              | 5                          | Trash<br>Copper, Dissolved  | B<br>A                          | 07/24/2008<br>01/01/2021   |                          |
| Westlake Lake  | 40425000           | 118.98 Acres            | 5                          | Indicator Bacteria<br>Lead<br>pH<br>Algae<br>Ammonia<br>Eutrophic<br>Lead | A<br>A<br>A<br>B<br>B<br>B<br>A | 01/01/2021<br>01/01/2021<br>01/01/2007<br>03/21/2003<br>03/21/2003<br>03/21/2003<br>01/01/2019 |                          |

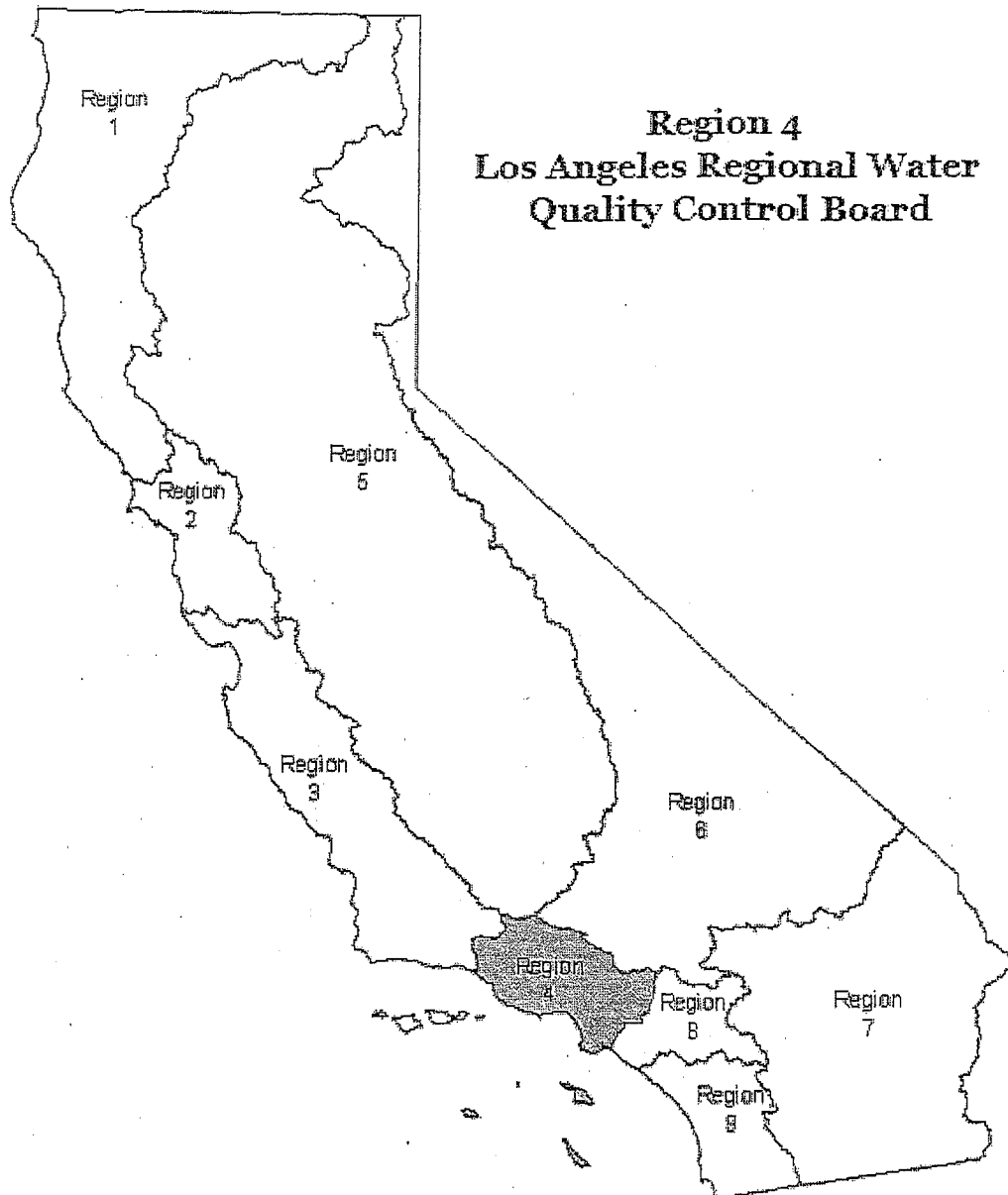
## APPENDIX F

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

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

| WATER BODY NAME              | CALIFORNIA WATERSHED | ESTIMATED INTEGRATED SIZE | REPORT CATEGORY | POLLUTANT                               | TMDL REQUIREMENT STATUS | EXPECTED TMDL COMPLETION DATE | DATE USEPA APPROVED TMDL |
|------------------------------|----------------------|---------------------------|-----------------|---|-------------------------|-------------------------------|--------------------------|
| Wheeler Canyon/Todd Barranca | 40321000             | 10.09 Miles               | 5               | Organic Enrichment/Low Dissolved Oxygen | B                       |                               | 03/21/2003               |
|                              |                      |                           |                 | Nitrate and Nitrite                     | B                       |                               | 03/18/2004               |
|                              |                      |                           |                 | Sulfates                                | A                       | 01/01/2019                    |                          |
|                              |                      |                           |                 | Total Dissolved Solids                  | A                       | 01/01/2019                    |                          |
| Whites Point Beach           | 40511000             | 1.11 Miles                | 5               | DDT                                     | A                       | 01/01/2019                    |                          |
|                              |                      |                           |                 | Indicator Bacteria                      | B                       |                               | 01/01/2002               |
|                              |                      |                           |                 | PCBs (Polychlorinated biphenyls)        | A                       | 01/01/2019                    |                          |
| 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                                     | A                       | 01/01/2019                    |                          |
|                              |                      |                           |                 | Indicator Bacteria                      | B                       |                               | 01/01/2002               |
|                              |                      |                           |                 | PCBs (Polychlorinated biphenyls)        | A                       | 01/01/2019                    |                          |

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



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## 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)
- 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)
- 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)

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

- Alamos 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)
- Channel Islands Harbor Beach
  - Indicator Bacteria (7078)
- 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)
- 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)

- Ballona Creek Estuary
  - Antimony | Arsenic | Benzo(a)pyrene (PAHs) | 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

- 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 (PAHs) | Benzo[a]anthracene | Chrysene (C1-C4) | Copper | Dibenzo[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)
  - Total Dissolved Solids (13289)
- Matilija Creek Reach 2 (Above Reservoir)
  - Indicator Bacteria (13288)
  - Total Dissolved Solids (13286)
- 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)
- 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)

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

- Artesia-Norwalk Drain
  - Copper (9946)
  - Indicator Bacteria (10026)
  - Selenium (9947)
- Bull Creek
  - Indicator Bacteria (16412)
- Burbank Western Channel
  - Indicator Bacteria (4386)
  - Selenium (16395)
- Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on 1998 303d list)
  - Trash (10423)
- Canada Larga (Ventura River Watershed)
  - Total Dissolved Solids (13212)
- Coyote Creek
  - Sulfates (11394)
  - Total Dissolved Solids (11459)
- Coyote Creek, North Fork
  - Copper (13552)
  - 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
  - Invasive Species (16621)
- Lindero Creek Reach 1
  - Invasive Species (16624)
- Los Angeles Harbor - Cabrillo Marina
  - Benzo(a)pyrene (PAHs) (16615)
- Los Angeles/Long Beach Inner Harbor
  - Benzo(a)pyrene (PAHs) (16592)
  - Chrysene (C1-C4) (16593)
- Malibu Creek
  - Invasive Species (16618)
- Medea Creek Reach 2 (Abv Confl. with Lindero)
  - Invasive Species (16625)
- Promenade Park Beach
  - Indicator Bacteria (4254)
- Puente Creek
  - Indicator Bacteria (14109)
  - Selenium (14116)
  - Sulfates (16236)
- 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 1 (Estuary to Firestone)
  - Total Dissolved Solids (12052)
- 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.)
  - Sulfates (16237)
  - Total Dissolved Solids (9944)
  - pH (9945)
- Santa Clara River Estuary
  - Arsenic (8830)
  - 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)
  - DDT (9056)
  - Dichlorobromomethane (9068)
  - Iron (9302)
  - PCBs (Polychlorinated biphenyls) (5392)
  - 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)
  - Bis(2ethylhexyl)phthalate (DEHP) (9451)
  - 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)
- 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)
  - Copper, Dissolved (9490)
  - Indicator Bacteria (16193)
  - Lead (9491)

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 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)
  - Trash (6977)
- Calleguas Creek Reach 5 (was Beardsley Channel on 1998 303d list)
  - 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)



- Sulfates (6990)
- Total Dissolved Solids (6991)
- Calleguas Creek Reach 9B (was part of Conejo Creek Reaches 1 and 2 on 1998 303d list)
  - Chloride (6993)
  - 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)
  - Chloride (6996)
  - Sulfates (6998)
  - Total Dissolved Solids (6999)
- Calleguas Creek Reach 11 (Arroyo Santa Rosa, was part of Conejo Creek Reach 3 on 1998 303d list)
  - 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)
  - Chloride (4557)
  - Sulfates (7031)
  - Total Dissolved Solids (7036)
- Coyote Creek
  - Copper, Dissolved (4549)
  - Lead (4518)
- Elizabeth Lake
  - Trash (7530)
- 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)
- 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

|                            |   |
|----------------------------|---|
| <b>Water Body:</b>         | El Dorado Lakes   |
| <b>Water Body ID:</b>      | CAL4051501020000228153407   |
| <b>Water Body Type:</b>    | Lake & Reservoir  |
| <b>Change Type:</b>        | Water body areal extent modification  |
| <b>Change Information:</b> | 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



## APPENDIX I

## REFERENCE REPORT

| Author  | Publishing<br>Date | Reference Body   |
|---|--------------------|--|
| Abramson, M., Topel, J.,<br>Burdick, H.   | 2009               | New Zealand Mudsail Surveys July 2006, July 2007 and October 2008 Santa Monica Mountains. Santa Monica Bay Restoration Commission / Santa Monica Baykeeper.  |
| AES Alamos L.L.C. and<br>the City of Los Angeles<br>Department of Water and<br>Power                    | 2006               | Reasonable Potential Analysis for Haynes Generating Station (NPDES No. CA0000353).   |
| Ambrose, F. and Antony, R.<br>Orme  | 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,<br>L.P.  | 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.                                       |
| Bailey, Howard, Villalobos,<br>Alex, Gottl, Erika, Brattin,<br>Lisa, Hanes, David, and<br>Hinton, David | 1997               | Toxicity Study of the Santa Clara River, San Gabriel River, and Calleguas Creek. Final Report. Prepared by Aquatic Toxicology Laboratory, Department of Medicine, School of Veterinary Medicine, University of California Davis. |
| Bay, S.M., D. Lapota, J.<br>Anderson, J.Armstrong, T.<br>Mikel, Jirik, A.W., and S.<br>Asato.           | 2000               | Southern California Bight 1998 Regional Monitoring Program. Volume IV.   |
| Biggs, B.J.F  | 2000               | New Zealand Periphyton Guideline: Detecting Monitoring and Managing Enrichment of Streams  |
| Bight 03 Coastal Ecology<br>Committee   | 2003               | Southern California Bight 2003 Regional Marine Monitoring Survey (Bight 03) Quality Assurance Manual   |
| Bight 98 Steering<br>Committee  | 1998               | Southern California Bight 1998 Regional Marine Monitoring Survey (Bight 98) Quality Assurance Manual   |
| Brodberg, R.K., and G.A.<br>Pollock   | 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                            |
| Burbank Water<br>Reclamation Plant  | 2007               | NPDES receiving water monitoring reports for Burbank Water Reclamation Plant (NPDES No. CA0055531) (2003-2007).  |
| California Code of<br>Regulations   | 2009               | California Code of Regulations Title 17, sections 7958-7960.   |

## APPENDIX I

## REFERENCE REPORT

| Author   | Publishing Date | Reference Body  |
|--|-----------------|---|
| California Department of Public Health   | 2008            | California Code of Regulations, Title 22, Division 4, Chapter 15. Domestic Water Quality and Monitoring.<br><a href="http://www.cdph.ca.gov/certlic/drinkingwater/Pages/Lawbook.aspx">http://www.cdph.ca.gov/certlic/drinkingwater/Pages/Lawbook.aspx</a>       |
| City of Long Beach Health Department   | 2007            | The City of Long Beach Health Department Bacteria Monitoring Data for Alamitos Bay.   |
| City of Long Beach Health Department   | 2007            | The City of Long Beach Health Department Bacteria Monitoring Data for Long Beach.   |
| City of Long Beach Health Department   | 2007            | The City of Long Beach Health Department Bacteria Monitoring Data for Colorado Lagoon.  |
| City of Los Angeles Watershed Protection Division                                      | 2008            | Water quality monitoring for Wilmington Drain at Lomita Blvd.   |
| City of Los Angeles Watershed Protection Division                                      | 2008            | Electronic correspondence between Regional Board staff and City of Los Angeles Watershed Protection Division.   |
| City of San Buenaventura   | 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 | 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)   |
| County of Los Angeles & the Incorporated Cities therein, except the City of Long Beach | 2007            | Monitoring Report (MS4 Data) - 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 | 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 |
| County of Los Angeles & the Incorporated Cities therein, except the City of Long Beach | 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 | 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.  |

## APPENDIX I

## REFERENCE REPORT

| Author  | Publishing Date | Reference Body  |
|---|-----------------|---|
| County of Los Angeles<br>Department of Public Works   | 2008            | Summary of MS4 toxicity results for the years 2001-2002, 2003-2004, 2005-2006, and 2006-2007.   |
| County Sanitation Districts<br>of Los Angeles County  | 2008            | Whittier Narrows Water Reclamation Plant (WNRP) -Monitoring Reports 2003-2007   |
| Department of the Navy  | 2008            | Port Hueneme Harbor Master Dredging Permit application and attached documents to the Los Angeles Contaminated Sediments Task Force.   |
| DHS   | 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          | 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 |
| Federal Register  | 1999            | Executive Order 13112 of February 03, 1999. Federal Register, Vol. 64, No. 25 Monday, February 8, 1999.   |
| Finlayson, B  | 2004            | Water quality for diazinon. Memorandum to J. Karkoski, Central Valley RWQCB. Rancho Cordova, CA: Pesticide Investigation Unit, CA Department of Fish and Game   |
| Gibson, G., Carlson, R., Simpson, J., Smeltzer, E., Gerritson, J., Chapra, S., Heiskary, S., Jones, J., Kennedy, R. | 2000            | Nutrient Criteria Technical Guidance Manual Lakes and Reservoirs First Edition. USEPA, Office of Water, Office of Science and Technology. Washington, D.C. EPA-822-B00-001  |
| Hinton, D., Hanes, D., Smith, D.J., and Tan, H.   | 1992            | Toxicity Study of the Santa Clara River, San Gabriel River, and Calleguas Creek Toxicity Work/QA Project Plan   |
| Kozelka, P.   | 2007            | Letter to National Resources Defense Council, Heal the Bay, and Santa Monica Baykeeper determining no impairment for toxicity in Walnut Creek. USEPA.   |
| LACSD   | 2003            | County Sanitation Districts of Los Angeles County QA/QC Memo for 2003 Toxicity testing in Walnut Creek.   |
| LACSD   | 2003            | Monitoring and Reporting Program No. CI-2960 for County Sanitation Districts of Los Angeles County (Saugus Water Reclamation Plant) (NPDES NO. CA0054313)   |

## APPENDIX I

## REFERENCE REPORT

| Author  | Publishing Date | Reference Body  |
|---|-----------------|---|
| LACSD   | 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 (NPD    |
| LACSD   | 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 Pla    |
| LACSD   | 2007            | NPDES receiving water monitoring reports for Saugus Water Reclamation Plant (NPDES No. CA0054313) and Valencia Water Reclamation Plant (NPDES No. CA0054216).   |
| LACSD   | 2007            | Valencia Water Reclamation Plant Monitoring and reporting program for NPDES No. CA0054216 (County Sanitation Districts of Los Angeles County)   |
| LACSD   | 2007            | NPDES receiving water monitoring reports for Santa Paula Water Reclamation Facility (NPDES No. CA0054224).  |
| LACSD   | 2008            | County of Ventura coastal beach bacteria monitoring data for AB411.   |
| LACSD   | 2008            | County Sanitation Districts of Los Angeles County 2003-2006 Toxicity Testing in Walnut Creek data.  |
| Larry Walk Associates   | 2005            | FINAL Calleguas Creek Watershed Toxicity, Chlorpyrifos and Diazinon TMDL Technical Report. 2005. Submitted to Los Angeles Regional Water Quality Control Board. Prepared by Larry Walker Associates on behalf of the Calleguas Creek Watershed Management Plan. |
| Larry Walk Associates   | 2007            | Calleguas Creek Watershed Boron, Chloride, TDS, and Sulfate TMDL Public Review Technical Report   |
| Long, E.R., D.D.<br>MacDonald, S.L. Smith,<br>and F.D. Calder | 1995            | Incidence of adverse biological effects within ranges of chemical concentrations in marine and estuary sediments. Environmental Management. 19, (1): 81-97  |
| Los Angeles County<br>Department of Beaches and<br>Harbors    | 2002            | Pesticide tissue samples for Marina del Rey Harbor Back Basins. Sampled by Aquatic Bioassay & Consulting and tested by CRG Marine Laboratories for Aquatic for Los Angeles County Department of Beaches and Harbors.  |
| Los Angeles RWQCB   | 1997            | Santa Paul Wastewater Reclamation Facility Monitoring and Reporting Program for NDPEs No. CA0054224   |
| Los Angeles RWQCB   | 2000            | Waste Discharge Requirements for AES Alamitos, L.L.C.(Alamitos Generating Station) NPDES No. CA0001139  |

## APPENDIX I

## REFERENCE REPORT

| Author                                      | Publishing Date | Reference Body   |
|---|-----------------|--|
| Los Angeles RWQCB                           | 2000            | Waste Discharge Requirements for City of Los Angeles Department of Water and Power (Haynes Generating Station) NPDES No. CA0000353.  |
| Los Angeles RWQCB                           | 2000            | Monitoring and reporting program No. CI 7388 for Storm Water Management/Urban Runoff Discharges for Ventura County Flood Control District, County of Ventura, and the cities of Ventura County NPDES Permit No. CAS004002          |
| Los Angeles RWQCB                           | 2001            | Monitoring and Reporting Program - 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                           | 2002            | Long Beach Water Reclamation Plant Monitoring and Reporting Program for NPDES No. CA0054119 (County Sanitation Districts of Los Angeles County)  |
| Los Angeles RWQCB                           | 2002            | Calleguas Creek Nitrogen Compounds and Related Effects TMDL.   |
| Los Angeles RWQCB                           | 2003            | Santa Paul Wastewater Reclamation Facility Time Schedule Order for NPDES No. CA0054224   |
| Los Angeles RWQCB                           | 2004            | Pomona Water Reclamation Plant Monitoring and Reporting Program for NPDES No. CA0053619 (County Sanitation Districts of Los Angeles County)  |
| Los Angeles RWQCB                           | 2004            | San Jose Creek Water Reclamation Plant Monitoring and Reporting Program for NPDES No. CA0053911 (County Sanitation Districts of Los Angeles County)  |
| Los Angeles RWQCB                           | 2006            | Monitoring and Reporting Program No. CI-4424 for City of Burbank (Burbank Water Reclamation Plant) (NPDES NO. CA0055531)   |
| Los Angeles RWQCB                           | 2007            | Trash Total Maximum Daily Loads for the Los Angeles River Watershed Staff Report. California Regional Water Quality Control Board, Los Angeles Region. July 27, 2007.  |
| Los Angeles RWQCB                           | 2008            | Ventura Water Reclamation Facility Monitoring and reporting program for NPDES No. CA0053651  |
| Los Angeles RWQCB                           | 2009            | Basin Plan Amendments to the Water Quality Control Plan Los Angeles Region R4 Basin Plan as of 02/02/2009  |
| Los Angeles RWQCB and CA Coastal Commission | 2009            | Contaminated Sediments Task Force Sediment Chemistry data for San Pedro Bay. 1992-1997.  |
| Los Angeles RWQCB and CA Coastal Commission | 2009            | Contaminated Sediments Task Force Sediment Chemistry data for Los Angeles/Long Beach Inner Harbor. 1999-2003.  |

## APPENDIX I

## REFERENCE REPORT

| Author  | Publishing Date | Reference Body   |
|---|-----------------|--|
| Los Angeles RWQCB and CA Coastal Commission                           | 2009            | Contaminated Sediments Task Force Sediment Chemistry data for San Pedro Bay. 1999-2003.  |
| Los Angeles RWQCB and CA Coastal Commission                           | 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.               |
| Los Angeles RWQCB and CA Coastal Commission                           | 2009            | Contaminated Sediments Task Force Sediment Chemistry and Toxicity data for Los Angeles Harbor - Cabrillo Marina. 1999-2003.  |
| Los Angeles RWQCB and CA Coastal Commission                           | 2009            | Contaminated Sediments Task Force Sediment Metals data for the Los Angeles River Estuary. 1999-2003.   |
| Los Angeles RWQCB and USEPA   | 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.                                      |
| MacDonald, D.L. R.S. Carr, F.D. Calder, E.R. Long, and C.G. Ingersoll | 1996            | Development and evaluation of sediment quality guidelines for Florida coastal waters. <i>Ecotoxicology</i> 5: 253-278  |
| Moffatt & Nichol and Heal the Bay                                     | 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. |
| Port of Los Angeles   | 2009            | Port of Los Angeles Enhanced Water Quality Monitoring Data 2005-2006.  |
| Port of Los Angeles   | 2009            | Los Angeles Harbor Inner Cabrillo Beach are shallow water habitat map.   |
| Port of Los Angeles and Port of Long Beach                            | 2006            | Port of Los Angeles and Port of Long Beach sediment and overlaying and pore water data.  |
| PTI Environmental Services  | 1991            | Pollutants of concern in Puget Sound. EPA 910/9-91-003. Seattle, WA: U.S. Environmental Protection Agency  |
| Puckett, M  | 2002            | Quality Assurance Management Plan for the State of California's Surface Water Ambient Monitoring Program. Sacramento, CA. State Water Resources Control Board. SWAMP. December 2002 (1st version)                                      |
| Rasmussen, D.   | 2003            | Toxic Substances Monitoring Program 1991 Data Report. 93-1WQ. State Water Resources Control Board, Division of Water Quality. Sacramento, CA.  |

## APPENDIX I

## REFERENCE REPORT

| Author  | Publishing Date | Reference Body   |
|---|-----------------|--|
| Richards, D.C.  | 2002            | The New Zealand Mudsail Invades the Western United States. Aquatic Nuisance Species Digest Volume 4 No. 4.   |
| San Gabriel River Regional Monitoring Program   | 2009            | Toxicity Monitoring in Walnut Creek 2005 to 2007.  |
| Santa Barbara Channelkeeper   | 2004            | Ventura River Watershed Monitoring Program Quality Assurance Project Plan (Santa Barbara Channelkeeper, October 2004)  |
| Santa Barbara Channelkeeper   | 2007            | Santa Barbara Channelkeeper Water Quality Data Submittal and 303(d) List Recommendations   |
| SCCWRP  | 1998            | Southern CA Bight 1998 Regional Marine Monitoring Survey Chemistry Data  |
| SCCWRP  | 1998            | Southern CA Bight 1998 Regional Marine Monitoring Survey Data  |
| SCCWRP  | 2003            | Southern California Bight 2003 Regional Marine Monitoring Survey Data  |
| Schiff, K., Bax, B., Markle, P., Fleming, T., and Newman, J.  | 2006            | Technical Report 493: Wet and Dry Weather Toxicity in the San Gabriel River.   |
| Scott Johnson Aquatic Bioassay & Consulting Laboratories  | 2007            | San Gabriel River Regional Monitoring Program Quality Assurance Project Plan. San Gabriel River Regional Monitoring Program.   |
| Siepmann, S., and B. Finlayson  | 2000            | Water quality criteria for diazinon and chlorpyrifos. Administrative Report 00-3. Rancho Cordova, CA: Pesticide Investigations Unit, Office of Spills and Response. CA Department of Fish and Game |
| Smith, D.J., W. Phillips, A. Corado, H. Trim, M. Ven Katanarayana, G. Hubner, T. Moore and P. Hicks | 1994            | Water Quality Control Plan Los Angeles Region R4 Basin Plan  |
| Southern California Coastal Water Research Project and Nautilus Environmental                       | 2005            | Evaluation of Toxicity in the San Gabriel River Watershed Quality Assurance Project Plan   |
| Strauss, A.   | 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   | 2007            | Surface Water Ambient Monitoring Program data for all watersheds in the Los Angeles Region 2001-2005.  |

## APPENDIX I

## REFERENCE REPORT

| Author  | Publishing Date | Reference Body  |
|---|-----------------|---|
| SWRCB   | 2007            | Staff Report, Division of Water Quality, Nutrient Screening Tools for Use in the Clean Water Act Section 303(d) Listing Process.  |
| SWRCB   | 2008            | Zinc and Lead sediment data for Channel Islands Harbor. Bay Protection Toxics Clean Program   |
| SWRCB   | 1994            | Bay Protection and Toxic Cleanup Program QAPP. (BPTCP). Sacramento, CA: State Water Resources Control Board   |
| Tetra Tech, Inc.                              | 2006            | Technical Approach to Develop Nutrient Numeric Endpoints for California. Prepared for: U.S. EPA Region IX.  |
| Tetra Tech, Inc.                              | 2007            | Nutrient Numeric Endpoints for TMDL Development: Malibu Creek Case Study. Prepared for U.S. EPA Region IX.  |
| Toxic Substance Monitoring Program            | 2002            | CD includes NON-SWAMP data: including TSMP database for years 1992-2002 and Coastal Fish Contamination Program (CFCP) for years 1 and 2. State Water Resources Control Board. Sacramento, CA  |
| U.S. Environmental Protection Agency          | 1993            | Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to freshwater and Marine Organisms. Fourth Edition. EPA/600/4-90/027F. August 1993. Washington DC  |
| United States Environmental Protection Agency | 2002            | U.S. EPA, 2002. Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms. Fourth Edition, October 2002.   |
| USEPA   | 2000            | Nutrient Criteria Technical Guidance Manual Rivers and Streams. USEPA, Office of Water, Office of Science and Technology. Washington, D.C. EPA-822-B-00-002.  |
| USEPA   | 2000            | Ambient Water Quality Criteria Recommendations Information Supporting the Development of State and Tribal Nutrient Criteria, Rivers and Streams in Nutrient Ecoregion III. USEPA, Office of Water. Washington, D.C. EPA 822-B-00-016.   |
| USEPA   | 2000            | Water Quality Standards 2000. Establishment of numeric criteria for priority toxic pollutants for the State of California: Rules and regulations. Federal Register Vol. 65, No. 97. Washington, D.C.: Environmental Protection Agency   |
| USEPA   | 2001            | Ambient Water Quality Criteria Recommendations Information Supporting the Development of State and Tribal Nutrient Criteria, Lakes and Reservoirs in Nutrient Ecoregion III. USEPA, Office of Water. Washington, D.C. EPA 822-B-01-008. |
| USEPA   | 2002            | National Water Quality Inventory, Lakes, Reservoirs, Ponds. 2000. Chapter 3. USEPA, Office of Water. Washington, D.C. EPA-841-R-02-001.   |



## APPENDIX I

## REFERENCE REPORT

| Author   | Publishing Date | Reference Body   |
|--|-----------------|--|
| USEPA  | 2003            | Staff report, appendix, and letter to SWRCB and Los Angeles RWQCB establishing a TMDL for Nutrients in the Malibu Creek Watershed.   |
| USEPA  | 2007            | Staff report, appendix, and letter to SWRCB and Los Angeles RWQCB establishing a TMDL for Metals in the San Gabriel River Watershed.   |
| Ventura Coastkeeper  | 2007            | Calleguas Creek volunteer water quality monitoring data for 2006 conducted by Ventura Coastkeeper.   |
| Ventura County Flood Control District, County of Ventura, and the cities of Ventura County | 2007            | Monitoring Reports for the Storm Water Management/Urban Runoff Discharges for Ventura County Flood Control District, County of Ventura, and the cities of Ventura County NPDES Permit No. CAS004002                                  |
| Weston Solutions   | 2006            | Sampling and Analysis Plan for Characterization of Sediment Contaminant Flux for the Inner Harbor and Outer Harbor Waterbodies to Support Sediment TMDL Implementation. Prepared for the Port of Los Angeles and Port of Long Beach. |
| Weston Solutions   | 2009            | Los Angeles Harbor Inner Cabrillo Beach Area sediment data.  |