Total Maximum Daily Load Progress Report

California Department of Transportation
Division of Environmental Analysis
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Sacramento, CA 95814

http://www.dot.ca.gov/hq/env/stormwater/

CTSW-RT-17-316.01.2

December 29, 2017

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FOR Shaila Chowdhury, Chief Environmental Engineer
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December 29, 2017
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Acronyms

BMP	Best Management Practice
CHP	California Highway Patrol
DDT	Dichlorodiphenyltrichloroethane
DPP	Design Pollution Prevention
DPPIA	Design Pollution Prevention Infiltration Area
GSRD	Gross Solids Removal Device
kg	Kilogram
MGY	Million Gallons per Year
mL	Milliliters
MPN	Most Probable Number
MS4	Municipal Separate Storm Sewer System
N/A	Not Applicable
NPDES	National Pollutant Discharge Elimination System
OC	Organochlorine Compounds
PAED	Project Approval and Environmental Document
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyl
PID	Project Initiation Document
PS&E	Plans, Specifications, and Estimates
ROW	Right of Way
RWQCB	Regional Water Quality Control Board
SHOPP	State Highway Operation and Protection Program
SWRCB	State Water Resources Control Board
THP	Timber Harvest Plan
TMDL	Total Maximum Daily Load
TSS	Total Suspended Solids
WER	Water Effect Ratio
WLA	Waste Load Allocation

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1 Introduction

The State Water Resources Control Board (State Water Board or SWRCB) adopted the *National Pollutant Discharge Elimination System (NPDES) Statewide Storm Water Permit for State of California Department of Transportation* (Order WQ 2014-0077-DWQ) (Caltrans NPDES Permit), published September 19, 2012, effective July 1, 2013, and revised on May 20, 2014. The State Water Board produced an updated "conformed" permit (Conformed NPDES Permit) on April 7, 2015. Caltrans NPDES Permit Attachment IV (TMDL Requirements), Section III.A.3.c, requires Caltrans to submit a Total Maximum Daily Load (TMDL) Progress Report to the State Water Board by January 1, 2018. The TMDL Progress Report will be submitted as part of the report of waste discharge which is required to be submitted no later than 18 days prior to the expiration date of the Order.

The report summarizes the status of control measures Caltrans implemented to achieve compliance with Caltrans NPDES Permit's TMDL requirements within this permit term (July 1, 2013 – June 30, 2018) and the results of the analysis demonstrating that compliance for all TMDL waste load allocations (WLA) will be achieved by 2034. It complies with Attachment IV, Section III.A.3.c. of the Caltrans NPDES Permit, which states,

> "The Department shall prepare and submit a ***TMDL PROGRESS REPORT*** by January 1, 2018, to the State Water Board as part of its report of waste discharge under Provision E.13.c."

The report contains the following information:

- A summary of the effectiveness of the control measures installed for each reach that has been addressed, as a result of the BMP effectiveness assessment,
- A determination as to whether the control measures have been or will be sufficient to achieve WLAs and other performance standards by the final compliance deadlines,
- Where the control measures are determined not to be sufficient to achieve WLAs or other performance standards by the final compliance deadlines, a proposal for improved control measures to address the relevant pollutants,
- A summary of the estimated quantified amount of pollutants prevented from entering into the receiving waters as a result of BMPs, cooperative agreements, or other source control measures taken, and
- An analysis demonstrating that the level of effort (1650 compliance units/year) during the present permit cycle will be sufficient to achieve WLAs and other performance standards for all TMDLs listed in Table IV.2 by 2034. The analysis must utilize monitoring data if available, pertinent analytical tools, including modeling where appropriate, and provide a reasonable assurance that applicable WLAs and performance criteria will be met.

Since the adoption of the Caltrans NPDES permit, control measures to comply with the TMDL requirements have been implemented some of which include the following:

- stand-alone best management practice (BMP) retrofits;
- fish passage remediation;
- stakeholder cooperative implementation,
- the State Water Board Grant Program;
- design pollution prevention BMPs;
- erosion control;
- post-construction treatment beyond Permit requirements; and
- other pollution reduction practices.

2 Reach Prioritization for Pollutant Categories

Caltrans NPDES Permit Attachment IV, Section I, Part A, requires Caltrans to prioritize impaired reaches included in the 84 listed TMDLs for which Caltrans has been named a stakeholder. Caltrans conducted the prioritization for each pollutant category (metals, pathogens, sediment, trash, etc.) and each reach by evaluating the applicable receiving waters within the watershed. The initial analysis of the watersheds was based on the rating factors identified within Table IV.1 of Caltrans NPDES Permit Attachment IV:

- Impairment status,
- Caltrans' drainage area contributing to reach,
- Proximity to receiving waters, and
- Community environmental health impact.

After completion of the initial reach prioritization, the list was submitted to the State Water Board. The State Water Board coordinated efforts between Caltrans and the Regional Water Quality Control Boards (Regional Water Boards or RWQCBs), and the State Water Board Executive Director approved the Reach Prioritization on August 15, 2015. Some of the other factors that were considered to refine the list included:

- Cooperative efforts with other dischargers or projects within Areas of Special Biological Significance (ASBS),
- Multiple TMDLs addressed through a single BMP,
- TMDL deadlines specified in a Basin Plan,
- Regional Water Board and State Water Board priorities,
- Safety considerations, and
- Multi-benefit projects that contribute to water quality improvement.

The prioritized list of reaches includes 298 reaches within the 84 TMDLs. The Reach Prioritization list finalized by the State Water Board was used to determine the number of high, medium, or low priority reaches within each Regional Water Board as shown in Table 2-1.

Table 2-1: Summary of Priority Reaches

Regional Water Board	Reaches High Priority	Medium Priority	Low Priority
1	0	44	67
2	13	14	8
3	0	7	1
4	63	12	13
5	13	2	1
6	0	5	0
7	0	1	0
8	9	7	1
9	2	8	7
Total	100	100	98

As shown in Table 2-1, Region 1 and Region 4 have the maximum number of TMDLs and thus have the highest number of reaches. Since Region 4 (Los Angeles Region) has the maximum number of high priority reaches, Caltrans implements and prioritizes projects within this Region to address the highly impaired waterbodies. Additionally, the implementation efforts throughout the state focus on addressing the higher priority reaches; however, Caltrans capital improvement projects are scoped and programmed five to ten years in advance. Future projects will be considered based on the final prioritization list.

This prioritization analysis was used to determine areas within watersheds requiring immediate retrofit or implementation of source control measures. It is anticipated that Caltrans will continue to implement control measures within watersheds based on reach prioritization. This methodology accounted for a few factors, including reach impairment levels and community health impact ratings. These factors were evaluated by the State Water Board and the California Office of Health Hazard, from various years of data collection and assessments.

Additionally, based on the reach prioritization Caltrans revised its Project Planning and Design Guide (PPDG) in 2016. The revised PPDG promotes implementation of stormwater quality controls within Caltrans right-of-way (ROW) during the project planning and development phases. The PPDG promotes implementation of structural BMPs within projects that are in high priority watersheds or TMDL watersheds. The prioritization of structural BMPs is based on effectiveness of removing 303(d) listed pollutants, especially impaired pollutants that have a TMDL developed for the waterbody. It is anticipated that the implementation of control measures within prioritized watersheds will lead to Caltrans achieving WLAs by 2034.

3 TMDL Monitoring Activities

3.1 Overview

As part of the Caltrans NPDES Permit requirements, Caltrans is required to conduct stormwater monitoring at a minimum of 100 Tier 1 and Tier 2 sites. The Conformed NPDES Permit defines Tier-1 sites as either Areas of Special Biological Significance (ASBS) or TMDL sites. Tier-2 sites are located outside of both ASBS and TMDL watersheds where further characterization monitoring may be of interest. Selection and monitoring of Tier-2 sites is only required when the number of Tier-1 sites being monitored falls below 100 sites.

Specific details and results of monitoring activities can be found in the *Caltrans Monitoring Results Report* developed for every Fiscal Year within the permit term.

Caltrans has also entered, and continues to enter, into TMDL cooperative agreements throughout the state. These cooperative agreements cover activities in various TMDL watersheds. Some of them include provisions to perform monitoring activities related to adopted TMDLs.

Caltrans entered into several cooperative agreements with other responsible parties during the 2014-15 season, of which 11 included monitoring activities. For the 2015-2016 fiscal year, Caltrans participated in 14 cooperative agreements within 13 TMDL watersheds. Additionally, for the 2016-2017 wet season, Caltrans also participated in ten cooperative agreements in eight TMDL watersheds. Monitoring under cooperative agreements occurred at 42 sites at the receiving water bodies. Compliance measures implemented because of cooperative agreements can be found in Appendix A.

Table 3-1 below summarizes the list of cooperative agreements that Caltrans participated in, along with the results noticed from monitoring the receiving water. The results are not specific to Caltrans discharge.

Table 3-1: Summary of Cooperative Monitoring Results

TMDL	Year Participated	Fiscal Year	Monitoring Results
Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria TMDL	2009-2015	2014-2015	Monitoring results show receiving water exceedances for bacteria.
Ballona Creek Metals TMDL	-	2014-2015	Monitoring Report not available for this fiscal year.
Ballona Estuary Toxic Pollutants TMDL	-	2014-2015	Monitoring Report not available for this fiscal year.
Calleguas Creek Organochlorine, PCBs TMDL	2014	2014-2015	Monitoring results show no exceedances for organochlorine compounds.

TMDL	Year Participated	Fiscal Year	Monitoring Results
Chollas Creek Diazinon TMDL	2014-2015	2014-2015	Diazinon was not reported above the MDL during three wet-weather monitoring events. Since the diazinon ban, concentrations of diazinon at both Chollas Creek Mass Loading Stations have shown statistically significant decreasing trends. Since 2012, water quality monitoring results from all 56 samples taken indicate no detectable levels of diazinon in Caltrans runoff to Chollas Creek. The lack of even a single detection above the TMDL indicates that there are sufficient data for Caltrans to pursue a delisting from the Diazinon TMDL with the SWRCB.
Chollas Creek Dissolved Metals TMDL	2014-2015	2014-2015	Historical dissolved copper concentrations at Chollas Creek during wet-weather monitoring events have generally been above both acute and chronic Water Quality Objectives (WQOs) using the default Water Effect Ratio (WER) of 1. Based on the site-specific objective WER, historical dissolved copper concentrations were below the acute and chronic dissolved copper WQOs for receiving waters.
			Dissolved lead concentrations have been consistently below the acute WQO and of magnitude similar to that of the chronic WQO for receiving waters.
			Dissolved zinc concentrations have been below the acute and chronic WQOs for receiving waters throughout the compliance monitoring period for the mass loading station located in the south fork of Chollas Creek for receiving waters.
Lake Elsinore and Canyon Lake Nutrient TMDL	2014-2015	2014-2015	Concentrations for nutrients in Salt Creek at Murrieta Road range from 1.86 to 2.62 mg/L for total nitrogen, and 0.29 to 0.79 mg/L for total phosphorus. The estimated annual nutrient load was calculated to be 4,661 kg for total nitrogen and 1,257 kg for total phosphorus.
			Concentrations for nutrients for San Jacinto River at Goetz Road range from 1.57 to 1.95 mg/L for total nitrogen, and 0.33 to 0.56 mg/L for total phosphorus. The estimated annual nutrient load was calculated to be 3,932 kg for total nitrogen and 1,041 kg for total phosphorus.
			No samples were taken at the other sites.
Los Angeles River Metals TMDL	2014-2015	2014-2015	Monitoring Report not available for this fiscal year.

TMDL	Year Participated	Fiscal Year	Monitoring Results
Malibu Creek Bacteria TMDL	2015	2014-2015	Monitoring results show that receiving water exceedances only occurred during summer dry-weather days for bacteria.
Marina Del Rey Harbor Toxic Pollutants TMDL	2010-2015	2014-2015	Monitoring results show receiving water exceedances for copper, lead, zinc, chlordane, and total PCBs.
Marina Del Rey Harbor Mother's Beach and Back Basins Bacteria TMDL	2015	2014-2015	Monitoring results show that the rolling 6-week geometric mean was exceeded at all sample site locations for receiving waters.
Revolon Slough and Beardsley Wash Trash TMDL	2013-2014	2014-2015	Monitoring occurred at each of the nine sites once monthly. During the fifth year of monitoring, 285.7 pounds (4,731 pieces) of trash were collected.
San Francisco Bay Mercury TMDL	2015	2014-2015	Monitoring results show exceedances for mercury.
San Francisco Bay PCBs TMDL	2015	2014-2015	Monitoring results show exceedances for PCBs.
Santa Monica Bay Beaches Bacteria TMDL	-	2014-2015	Monitoring Report not available for this fiscal year
Ventura River Estuary Trash TMDL	-	2014-2015	Monitoring Report not available for this fiscal year
Calleguas Creek Organochlorine Pesticides, Polychlorinated Biphenyls and Siltation TMDL	2015	2015-2016	The compliance analysis demonstrates that the Calleguas Creek Watershed is in compliance with the applicable interim or final WLAs currently in effect for OC Pesticides and Toxicity TMDL for receiving waters.
Calleguas Creek Metals and Selenium TMDL	2015	2015-2016	The compliance analysis demonstrates that for the most part, the Calleguas Creek Watershed is in compliance with the applicable interim or final WLAs currently in effect for Metals TMDLs for receiving waters.
Marina Del Rey Harbor Toxic Pollutants TMDL	2014-2015	2015-2016	According to the results, dry-weather and wet-weather monitoring shows that almost all samples taken from each monitoring site exceeded the TMDL limit in receiving waters for each constituent at some point during the reporting period.
Ventura River Estuary Trash TMDL	2014-2015	2015-2016	A total of 22,800 pounds of trash was collected during the Minimum Frequency Assessment Collection and additional clean-up events.

TMDL	Year Participated	Fiscal Year	Monitoring Results
Calleguas Creek Organochlorine Pesticides, PCBs and Siltation TMDL	2015-2016	2016-2017	No exceedances of the interim WLAs for OC's or PCBs were observed at any location in the watershed at the receiving water body.
Calleguas Creek Metals and Selenium TMDL	2015-2016	2016-2017	There were four exceedances of the interim load allocation or final MS4 WLA for selenium measured during the four dry-weather sampling events of 2015-2016 at the 04_WOOD site. No other dry-weather exceedances occurred for metals at the receiving water. As discussed in the TMDL, a primary source of selenium in Revolon Slough is considered to be rising groundwater levels and the interim allocations were to be considered in this context. Additionally, there was one wet-weather exceedance of the interim load allocation and interim WLA for total nickel at the 04_WOOD site. Copper and mercury did not exceed at any of the sites.
Chollas Creek Bacteria TMDL	2015-2016	2016-2017	The results show that wet-weather single sample monitoring had an exceedance frequency of greater than 91% at all compliance sites for enterococcus and fecal coliform. The results also showed that final milestones for single sample monitoring will not be achieved at any compliance site for enterococcus and fecal coliform. The wet-weather geometric mean samples had varying exceedance frequencies for enterococcus, and 0% exceedance frequency for fecal coliform at two of the compliance sites. The results also showed that final milestones for geometric mean samples will not be achieved at any compliance site for enterococcus, but will be achieved at two of the compliance sites for fecal coliform.
Chollas Creek Diazinon TMDL	2015-2016	2016-2017	Diazinon was not reported at concentrations above the MDL at both mass loading stations monitored during the three wet-weather monitoring events. USEPA banned the retail sale of Diazinon products as of December 31, 2004, because of its adverse health effects on the human nervous system (USEPA, 2006 AND 2012b). Since the ban, Diazinon concentrations at both Chollas Creek Mass Loading Stations have shown statistically significant decreasing trends.

TMDL	Year Participated	Fiscal Year	Monitoring Results
Revolon Slough and Beardsley Wash Trash TMDL	2015-2016	2016-2017	An estimated amount of 136,570 pounds (54,628 gallons) of trash were removed via various City Trash-Control Measures Implemented in 2015-2016.
Santa Monica Bay Beaches Bacteria TMDL	2015-2016	2016-2017	Sampling results for single sample limits showed dry-weather exceedances at receiving waters. There were no wet-weather exceedances for single-sample limits at receiving waters. The year-round sampling results for the rolling 6-week geometric mean showed exceedances at receiving waters.
Ventura River and its Tributaries Algae, Eutrophic Conditions, and Nutrients TMDL	2016-2017	2016-2017	Nutrient levels show some variations between sites and seasons.
Ventura River Estuary Trash TMDL	2015-2016	2016-2017	8,825 pounds of trash was collected during the Minimum Frequency Assessment Collection and additional clean-up events.

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4 TMDL Compliance Measures

4.1 Overview

Caltrans is continuing its efforts to reduce pollutant discharges to receiving waters through ongoing compliance activities and by implementing a consistent statewide approach to address Caltrans NPDES Permit Attachment IV requirements for the named pollutants. To meet the TMDL and specific requirements identified within Attachment IV, Caltrans has implemented a combination of strategies, including capital construction, improvement of current institutional practices, and participation in regional control efforts. In addition, Caltrans has maximized opportunities to incorporate treatment control devices as part of capital roadway improvement projects or standalone retrofit projects. Caltrans will continue its efforts to comply with the Permit requirements to address stormwater quality based on feasibility and the availability of funds. This section identifies the control requirements for each pollutant category and the various measures Caltrans has implemented to address these requirements. Specific details on each pollutant category can be reviewed within Attachment IV, Section III of the NPDES permit.

4.2 Pollutant Category TMDL Control Requirements

4.2.1 Category A – General Requirements for All TMDLs

Caltrans is required to comply with the identified measures within this category for all 84 TMDLs. This category consists of requirements pertaining to the comprehensive TMDL monitoring plan, adaptive management and reporting to the state water resources control board on the progress of TMDL compliance.

4.2.2 Category B – Sediment/Nutrients/Mercury/Siltation/Turbidity TMDLs

The TMDLs in this pollutant category identify sediment from roads as a significant or primary source of these pollutants. There are 44 TMDLs within this category, all requiring source control to reduce impairment within the receiving waterbody. Primary measures that control the discharge of sediment can be effective in controlling releases of nutrients and mercury. Caltrans will continue to implement source control measures to prevent sediment discharge by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.

4.2.3 Category C – Metals/Toxics/Pesticides TMDLs

Metals and toxics adhere to fine sediment; therefore, reduction in sediment will promote compliance with these pollutants. However, additional measures, such as infiltration systems or runoff diversion systems, will be implemented to prevent discharge of dissolved fraction metals into the receiving waters. Pesticides compliance will be achieved through safe handling and application of pesticides within its ROW. Caltrans will abide by local, state, and federal regulations regarding pesticide use to comply with these requirements. There are 23 TMDLs within the category requiring compliance.

4.2.4 Category D – Trash TMDLs

Any discharge of trash within the impaired receiving waters is prohibited within the State of California. Caltrans is required to discharge “zero” trash from its ROW into the downstream receiving waterbody in the watersheds subject to trash TMDL controls. There are 10 TMDLs in Region 4 (Los Angeles Region) within this category requiring compliance.

Caltrans is required to prohibit discharge of trash from “high trash generating areas” such as on- and off-ramps, rest areas, park and rides, highways within commercial/industrial land uses, and other highway segments categorized by district maintenance staff as high trash areas. Caltrans is also required to implement full capture systems or treatment controls (such as infiltration basins or Gross Solids Removal Devices or GSRDs) to comply with the trash discharge prohibition. An alternative to implementing full capture treatment systems is to collaborate with local municipalities to implement such devices on non-Caltrans ROW areas to prevent discharge of trash downstream.

4.2.5 Category E – Bacteria TMDLs

Caltrans is required to comply with dry-weather and wet-weather flows as both seasons lead to increased bacteria loadings into the downstream receiving waters. There are 11 TMDLs within this category requiring compliance. Caltrans is required to prevent any dry-weather flow from its ROW through the implementation of practices that promote infiltration or flow diversion. Caltrans is also required to reduce discharge of bacteria loads into receiving waters during wet-weather through source control, street sweeping, public education on littering, and structural BMPs that reduce bacteria.

4.2.6 Category F – Diazinon TMDLs

Diazinon is a type of a pesticide used in agriculture. The discharge of diazinon is prohibited. Caltrans is listed within two TMDLs requiring compliance with this category. The Department does not use diazinon on its ROW, therefore no additional implementation actions are required to achieve compliance with these TMDLs.

4.2.7 Category G – Selenium TMDLs

Caltrans is required to reduce significant sources of selenium through reducing stormwater runoff, dewatering, ground water seepage, irrigation of high selenium content soils, and oil refineries. Caltrans will implement control measures to control the discharge of selenium. There are three applicable TMDLs requiring compliance with this category. Alternative approaches to address selenium demonstrate the following:

- There is no exceedance of an applicable receiving water limitation for selenium in the receiving water(s) at, or immediately downstream of, Caltrans’ outfall(s), or
- There is no direct or indirect discharge from Caltrans’ outfall(s) to the receiving water during the time period subject to the WLA.

4.2.8 Category H – Temperature TMDLs

Caltrans is required to prevent any maintenance activities that may increase receiving water temperatures as a result of vegetation removal and/or erosion and sedimentation. Caltrans is required to comply with this category of requirements for eight TMDLs. Caltrans is required to preserve existing riparian biotic conditions immediately adjacent to receiving waters susceptible to temperature increases, provide effective shade near receiving waters susceptible to temperature increases, and maintain effective shade near receiving waters susceptible to temperature increases. Alterations or increases in temperature of riparian areas will require prior approval or written consent from the Executive Officer at the Regional Water Board.

4.2.9 Category I – Chloride TMDLs

Caltrans does not discharge significant amounts of chloride and any minimal discharges are expected to be addressed under the requirements of the Permit. No additional TMDL implementation actions for control of chloride are required. However, Caltrans is listed in two chloride TMDLs within the Santa Clara River watershed. The elevated levels of chloride in this watershed is principally due to increased salt loadings from imported water and the use of self-regenerating water softeners.

4.3 TMDLs with Specific Implementation Requirements

Caltrans NPDES Permit Attachment IV contains seven TMDLs that require implementation that is site-specific and based on pollutant category:

- Klamath River Nutrients TMDL
- Napa River Sediment TMDL
- Sonoma Creek Sediment TMDL
- Ballona Creek Trash TMDL
- Los Angeles River Trash TMDL
- Lake Tahoe Sediment and Nutrients TMDL
- Lake Elsinore and Canyon Lake Nutrients TMDL

Caltrans will use several methods to address these TMDLs.

4.3.1 Klamath River Nutrients TMDL

Caltrans is required to comply with Category A, Category B, and Category H listed above as part of this TMDL. However, Caltrans is also required to locate, assess, and remediate barriers to fish passage. Caltrans will refer to NPDES Permit Section E.2.d.4) to determine the guidelines for stream crossing designs. Compliance with this TMDL will be dependent on all factors listed above.

4.3.2 Napa River Sediment TMDL

Caltrans is required to comply with Pollutant Category A and Category B, and conduct analyses on stream crossings associated with Caltrans roadways. Caltrans is also required to submit the plan and proposed schedule for conducting stream crossing surveys within the Napa River watershed.

4.3.3 Sonoma Creek Sediment TMDL

Caltrans is required to comply with Pollutant Category A and Category B, and conduct analyses on stream crossings associated with Caltrans roadways. Caltrans is also required to submit the plan and proposed schedule for conducting stream crossing surveys within the Sonoma Creek watershed.

4.3.4 Ballona Creek Trash TMDL

Caltrans is required to achieve compliance with this TMDL through the implementation of category A and the WLAs as identified within the basin plan amendment for this TMDL. As part of the implementation schedule, Caltrans is required to be in compliance (zero trash discharge) with the Ballona Creek Trash TMDL by September 30, 2015.

4.3.5 Los Angeles River Trash TMDL

Caltrans is required to achieve compliance with this TMDL through the implementation of category A and the WLAs as identified within the basin plan amendment for this TMDL. As part of the implementation schedule, Caltrans is required to be in compliance (zero trash discharge) with the Los Angeles River Trash TMDL by September 30, 2016.

4.3.6 Lake Elsinore and Canyon Lake Nutrients TMDL

As part of the implementation requirements, Caltrans is required to coordinate with other stakeholders for this TMDL in achieving compliance. If Caltrans chooses to opt out of the TMDL Task Force group, then they will be required to implement a monitoring program, implement an in-lake sediment nutrient reduction program, report findings within the Caltrans Stormwater Management Program Annual Report, and provide a status update on the in-lake nutrient reduction program to the state water board.

4.3.7 Lake Tahoe Clarity TMDL

The Caltrans NPDES Permit requires Caltrans to prepare a Pollutant Load Reduction Plan (PLRP) detailing the Caltrans approach for meeting the first pollutant load reduction milestone specified by the Lake Tahoe TMDL. The primary purpose of the PLRP is to provide a framework for pollutant load reduction analyses. The PLRP identifies several approaches to achieve compliance for each of the 10-year implementation milestones. The first milestone consists of reducing the baseline fine sediment by 10%, total nitrogen by 8% and total phosphorus by 7% before September 30, 2016. The second milestone consists of reducing the baseline fine sediment particle by 21%, total nitrogen by 14%and total phosphorus by 14%, before September 30, 2021.

4.4 Compliance Strategies

4.4.1 Treatment BMPs

According to Attachment IV of the NPDES Permit, Caltrans receives compliance credits for treating one acre of tributary drainage area for BMPs installed within Caltrans' ROW. This may be achieved by either retrofitting an existing BMP or adding structural BMPs that are treating above and beyond the minimum post-construction requirement. As required by the permit for this progress report, compliance measures are to be provided along with estimates of load reduced per TMDL. Additionally, it is anticipated that compliance with treatment of 1,650 acres or CUs achieved annually for 84 TMDLs are sufficient to achieve WLAs.

In this permit term, Caltrans has continued to program projects within the Stormwater Mitigation Element of the State Highway Operation and Protection Program (SHOPP) for implementation. Upon approval of the prioritized list of reaches within the TMDL watersheds, Caltrans prioritizes implementation of projects from SHOPP to align with higher priority reaches. There are over 597 projects programmed in SHOPP as of June 2017, some of which are in the early planning stages of implementation; therefore, no treatment BMP specifics such as type, size, location and other information is available at this time. As projects approach the design and construction phase where more accurate treatment information is available, they will be identified within the Caltrans Stormwater Management Program Annual Report and TMDL Status Review Report estimates in the upcoming fiscal years. The planned SHOPP projects will be implemented based on feasibility and the availability of funds.

4.4.2 Design Pollution Prevention Activities

For the road segments located in Category B (Sediment/Nutrient/Mercury/Siltation/Turbidity TMDL) watersheds and areas where there is a potential threat to water quality, slope stabilization activities have been prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Several slope stabilization projects have been implemented and programed (PA/ED and PS&E) within TMDL watersheds, and Caltrans has claimed one compliance unit credit for each acre treated. Fact sheets within Appendix A provides the compliance unit list of slope stabilization projects within TMDL watersheds.

4.4.3 Fish Passage

Caltrans continues its efforts to locate, assess, and remediate barriers to fish passage. Between July 2013 to December 2015, Caltrans has remediated 14 fish passage locations within the North Coast Region. The approximate cost of remediating the fish passage locations within TMDL watersheds was $11.3 million. The remediated locations provide partial or full treatment for fish passage at each specific location. Partial treatment was allocated for locations where the barrier has been improved for adult or juvenile fish, but the location remains a partial barrier to fish during some life stage or time of year/flow. Full treatment was implemented for locations where the natural channel width is fully spanned, and post-project monitoring needs to occur to ensure that sediment in the channel does not impact passage for fish after the first few winter

seasons. Compliance units were allocated based on receiving one CU credit per $88,000, spent on such projects. Therefore, based on the partial and full treatments at the locations, the compliance units achieved for addressing fish passage within TMDL watersheds is 100.6. There are 47.7 CUs within the Klamath River watershed and the remaining 52.9 CUs fall within other sediment TMDLs in the North Coast Region.

4.4.4 Grant Program and Cooperative Implementation Agreements

Caltrans had planned to participate in the State Water Board mandated cooperative grant program to achieve compliance credits. The grant program intended to fund capital projects in impaired watersheds (outside Caltrans' ROW) in which Caltrans has been assigned a WLA or otherwise has responsibility for implementation of the TMDL. The State Water Board does not have sufficient resources to administer the program; therefore, the grant program is currently on hold.

The objective of a cooperative implementation agreement (CIA) is to enhance or establish communication, coordination, cooperation, and collaboration with other MS4 stormwater management agencies and their programs. This includes establishing agreements with municipalities, flood control departments, or districts as necessary or appropriate. CIA offers potential benefits to Caltrans in the form of cost-savings, economies of scale, or valuable trade-offs.

Caltrans is currently coordinating with other stakeholders to implement structural BMPs to address TMDL requirements. Compliance unit credits for this coordination may be claimed after funds contributed towards the implementation have been transferred. One compliance credit is achieved for each $88,000 in funds contributed towards coordinated implementation efforts.

The cooperative projects implement stormwater treatment structures within the TMDL watersheds listed in Attachment IV, and therefore help achieve compliance. Caltrans considers several factors prior to participating with local municipalities on a proposed project which should be geared towards improving water quality including the following:

- Identify the location of the project within the reach prioritized list available on the State Water Board's website,
- Identify the pollutant categories the TMDL(s) is applicable for,
- Determine the project phase (Conceptual, Environmental Documents and Permits, Design), schedule and funding,
- Determine the project maintenance and operational costs,
- List of stakeholders participating who will benefit from this project,
- Determine the amount of runoff treated within Caltrans ROW (if any),
- Determine the lead agency or stakeholder group that Caltrans will be coordinating with,
- Determine the type of BMP being designed, and
- Determine the total number of acres being treated by this project.

For future cooperative implementation agreements, the credit may be claimed when Caltrans transfers the funds to the implementing agency. Caltrans will continue collaborating with local municipalities for opportunities that will enhance water quality within TMDL watersheds.

Specifics on Caltrans coordination and cooperative implementation with local agencies can be found within the fact sheets in Appendix A of this report.

4.4.5 Open Graded Friction Course

Caltrans has implemented open graded friction course (OGFC) within its ROW, as the porous pavement overlays are beneficial in reducing pollutant sources from vehicles, retention of pollutants within the porous asphalt concrete overlay matrix, biological degradation of pollutants retained within the matrix, and reducing transfer or discharge of pollutants to the edge of pavement. Implementing OGFC on highways will improve roadway safety and stormwater quality for downstream receiving waters. OGFC is a type of a pavement with high asphalt content and a considerable number of voids.

Caltrans conducted a pilot study from 2008 to 2011 by implementing various types of open/gap-graded asphalt pavements at 11 sites across California. Caltrans conducted monitoring at these pilot sites for various analytical constituents (such as nutrients, total metals and dissolved metals) to determine efficiency of overlays when compared to other effective structural BMPs (media filters, etc.). The results from the study determined that the effluent concentrations for several of the analytical pollutants assessed was significantly better than that from media filters. The load reduction from an OGFC layer on Caltrans highways is anticipated to be equivalent to some of the highest performing Caltrans treatment BMPs available. According to the July 2017 PPDG handbook, OGFC is tentatively on Caltrans approved treatment BMP list. This type of BMP is effective in preventing standing water and benefiting water quality. Caltrans has programmed and implemented various OGFC projects within Districts 4 and 12 that remove pollutants within TMDL watersheds. Caltrans will continue to implement OGFC projects throughout applicable TMDL watersheds to achieve compliance and improve stormwater quality.

4.4.6 Street Sweeping

The Division of Maintenance conducts ongoing sweeping activities with mechanized sweepers to collect and dispose of materials from the roadway surfaces. Caltrans will get compliance credits when the sweeping frequency is increased specifically to address the trash impairments in the waterbodies. According to the Litter Management Pilot Study (LMPS), this increase in trash/litter pickup reduces the amount of trash entering the storm drain by 13%. Trash/litter and debris removal activities include sweeping of shoulders, paved medians, etc., and trash/litter removal along roadsides.

4.4.7 Public Education/Outreach

Caltrans partners with various organizations at both the state and local levels. The public education campaign will focus on educating and motivating the public to modify peoples' behavior regarding stormwater pollution. The campaign will also focus on communicating with commercial and industrial entities whose actions may add pollutants to Caltrans' runoff. Joint

public education initiatives are continuously evaluated to maximize use of educational materials developed from Caltrans' public education research.

District NPDES Coordinators will coordinate with the District's Public Information Officer to educate the public about stormwater pollution. Specific audiences, such as businesses, industry groups, community groups, and environmental groups are best reached using in-depth, targeted materials disseminated through newsletters, publications, and event-oriented printed materials.

Numerous special events occur in communities throughout California. Caltrans' presence at these events will reach various target audiences within the public, in addition to business, industry, community, and environmental groups. Examples of major community events for Districts to target are beach cleanups, science fairs, workday events, fairs, and Earth Day events. Annually, Caltrans expects to receive 10% of its CU credit from public education.

4.4.8 Trash and Litter Removal Activities

Caltrans will collect trash and litter through several activities performed under the direction of the Division of Maintenance. These activities include storm drain maintenance, sweeping, District crew/California Conservation Corps (CCC) trash collection, the Caltrans Parolee Program, the Adopt-A-Highway Program, and public education emphasizing trash and litter prevention.

4.4.9 Slope Stabilization Activities

The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources.

5 Pollutant Category A – General Requirements for All TMDLs

Caltrans is required to comply with the general requirements category for all 84 TMDLs. This category requires Caltrans to implement a comprehensive TMDL monitoring plan, adaptive management and reporting of control measures or its effectiveness within the permit term. Caltrans is implementing various monitoring programs throughout the state to help distinguish the effectiveness of BMPs. Each monitoring program employs the following elements:

- Implementation of adaptive management, such as using monitoring data to determine performance and effectiveness of BMPs;
- Assessment of BMP effectiveness and capability to achieve WLAs; and
- Reporting on progress made towards achieving compliance with TMDLs during the permit term via the TMDL Status Review Report (submitted annually on October 1st) and the TMDL Progress Report (anticipated to be submitted on January 1, 2018).

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6 Pollutant Category B – Sediment/Nutrients/Mercury/Siltation/Turbidity TMDLs

Caltrans is listed in 44 category B TMDLs, in which they are required to achieve compliance through various forms of source control and erosion control. Caltrans is in compliance with the WLAs in the sediment watersheds due to its ongoing efforts. As required by the permit to effectively achieve sediment TMDL compliance, Caltrans controls the discharge of sediment through measures such as protecting hillsides, filtering runoff, avoiding concentrated flows in natural channels, and preventing the modification of natural flow patterns. Caltrans also adheres to the Construction General Permit and prevents the discharge of sediment from its project sites. Caltrans has implemented a program to inspect roadside slopes to prevent erosion and sediment discharge. Slopes within TMDL watersheds or other sensitive watersheds are prioritized to reduce the potential threat of water quality downstream. Additionally, Caltrans also uses SHOPP to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan.

Table 6-1 presents the list of TMDLs requiring compliance with this category and its compliance level. Additional details on slope prone areas, specific source control measures, SHOPP projects, CIAs, and State Water Board Water Quality Assessment Reports (if available) for these TMDLs can be found within Appendix A of this report.

Table 6-1: Pollutant Category B TMDL Compliance

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
1	Albion River	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
1	Big River	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
1	Lower Eel River	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
1	Middle Fork Eel River	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
1	South Fork Eel River	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
1	Upper Main Eel River and Tributaries (including Tomki Creek, Outlet Creek and Lake Pillsbury)	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
1	Garcia River	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
1	Gualala River	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge. Additionally, the State Water Resources Control Board's Annual Performance Report shows reduction of sediment delivery and improved conditions.
1	Klamath River in California	Dissolved Oxygen, Nutrients, & Microcystin	In compliance	Caltrans is expected to address nutrient inputs into the Klamath River watershed through the control of sediment from its road and highway facilities. Monitoring results show total settle-able solids were not detected in any of the samples at any of the sample sites. Caltrans controls the discharge of nutrients by implementing control measures to prevent or minimize erosion and sediment discharge.
1	Lost River	Nitrogen & Biochemical Oxygen Demand	In compliance	Monitoring results show no exceedances for total settle-able solids samples. Caltrans controls nutrients by implementing control measures to prevent or minimize erosion and sediment discharge.
1	Mad River	Sediment & Turbidity	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
1	Navarro River	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
1	Noyo River	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
1	Redwood Creek	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
1	Scott River	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
1	Shasta River	Dissolved Oxygen	In compliance	There is no WLA assigned to Caltrans.
1	Ten Mile River	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
1	Trinity River	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
1	South Fork Trinity River and Hayfork Creek	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
1	Van Duzen River and Yager Creek	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
2	Napa River	Sediment	In compliance	Caltrans is deemed to be implementing appropriate control measures if it discharges in compliance with the Permit, and if it conducts the monitoring program included in the Permit. Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
2	San Francisco Bay	Mercury	In compliance	Caltrans has an agreement with the RWQCB that participation in the Aquatic Science Center Program would count towards compliance. Caltrans mitigates mercury by implementing control measures to prevent or minimize erosion and sediment discharge.
2	Sonoma Creek	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
3	San Lorenzo River (includes Carbonera Lompico, and Shingle Mill Creeks)	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
3	Morro Bay (includes Chorro Creek, Los Osos Creek, and the Morro Bay Estuary)	Sediment	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
4	Ballona Creek Wetlands	Sediment & Invasive Exotic Vegetation	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
4	Calleguas Creeks and its Tributaries and Mugu Lagoon	Siltation	In compliance	Caltrans implements control measures to prevent or minimize erosion and sediment discharge.
4	Los Angeles Area (Lake Sherwood)	Mercury	In compliance	Caltrans controls the discharge of mercury by implementing control measures to prevent or minimize erosion and sediment discharge.
4	Los Angeles Area (North, Center, & Legg Lakes)	Nitrogen & Phosphorus	In compliance	Caltrans controls the discharge of nitrogen and phosphorus by implementing control measures to prevent or minimize erosion and sediment discharge.
4	Los Angeles Area (Echo Park Lake)	Nitrogen & Phosphorus	In compliance	Caltrans controls the discharge of total nitrogen and total phosphorus by implementing control measures to prevent or minimize erosion and sediment discharge.
4	Los Angeles Area (Peck Road Park Lake)	Nitrogen & Phosphorus	In compliance	Caltrans controls the discharge of nutrients by implementing control measures to prevent or minimize erosion and sediment discharge.
4	Machado Lake	Nutrients	In compliance	Caltrans controls the discharge of nutrients by implementing control measures to prevent or minimize erosion and sediment discharge.
4	Malibu Creek and Lagoon	Sedimentation & Nutrients	In compliance	Caltrans controls the discharge of nutrients by implementing control measures to prevent or minimize erosion and sediment discharge.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
4	Los Angeles Area (Puddingstone Reservoir)	Nitrogen, Phosphorus, & Mercury	In compliance	Caltrans controls the discharge of nutrients and mercury by implementing control measures to prevent or minimize erosion and sediment discharge.
4	Ventura River and its Tributaries	Algae, Eutrophic Conditions & Nutrients	In compliance	Caltrans controls the growth of algae, eutrophic conditions and excess nutrients by implementing control measures to prevent or minimize erosion and sediment discharge.
5	Clear Lake	Nutrients	In compliance	Caltrans has an agreement with the RWQCB that Caltrans maintenance practices will be used to achieve compliance. Caltrans controls the discharge of phosphorus by implementing control measures to prevent or minimize erosion and sediment discharge.
5	Cache Creek, Bear Creek, Sulphur Creek and Harley Gulch	Mercury	In compliance	Caltrans controls the discharge of mercury by implementing control measures to prevent or minimize erosion and sediment discharge.
5	Sacramento-San Joaquín River Delta Estuary	Methylmercury	In compliance	Caltrans controls the discharge of mercury by implementing control measures to prevent or minimize erosion and sediment discharge.
6	Lake Tahoe	Sediment & Nutrients	In compliance	Caltrans controls the discharge of sediment and nutrients by implementing control measures to prevent or minimize erosion and sediment discharge.
6	Truckee River	Sediment	In compliance	Caltrans controls the discharge of sediment by implementing control measures to prevent or minimize erosion and sediment discharge.
8	Big Bear Lake	Nutrients	In compliance	Caltrans controls the discharge of total phosphorus by implementing control measures to prevent or minimize erosion and sediment discharge.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
8	Lake Elsinore and Canyon Lake	Nutrients	In compliance	Total phosphorus and total nitrogen is in compliance through the control measures implemented by the Lake Elsinore/Canyon Lake TMDL Task Force, in which Caltrans is a participating stakeholder.
8	Rhine Channel Area of Lower Newport Bay	Mercury	In compliance	Caltrans has a total of 0 acres within the TMDL watershed.
9	Rainbow Creek	Total Nitrogen & Total Phosphorus	In compliance	Caltrans controls the discharge of total phosphorus and total nitrogen by implementing control measures to prevent or minimize erosion and sediment discharge.

7 Pollutant Category C – Metals/Toxics/Pesticides TMDLs

Caltrans is listed in 23 category C TMDLs, which require compliance for metals and toxics through minimization of fine sediment discharge and implementation of structural controls (such as infiltration) to prevent discharge of impaired runoff into downstream waterbodies. Compliance with pesticides is achieved through safe handling practices during the use of pesticides. Compliance level for category C TMDLs was determined based on load reduction of applicable pollutants from the implemented control measures and monitoring results.

As required by the permit to effectively achieve category C TMDL compliance, Caltrans controls its discharge of metals and toxics by reducing the discharge of sediment through slope stabilization, erosion control, hillside protection and other measures as identified within Section 5. Caltrans does not use pesticides within its ROW and implements safe handling practices statewide when using pesticides, including compliance with federal, state, and local regulations, and label directions. Caltrans also performs site assessments, applicator training, and implementation of integrated pest and vegetation management practices when using pesticides to prevent pesticide discharge in stormwater runoff.

Table 7-1 presents the list of TMDLs requiring compliance with this category and its compliance level. Additional details on slope prone areas, specific source control measures, SHOPP projects, CIAs, and State Water Board Water Quality Assessment Reports (if available) for these TMDLs can be found within Appendix A of this report.

Table 7-1: Pollutant Category C TMDL Compliance

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
2	San Francisco Bay	PCBs	Not in compliance	Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the watershed. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments. Caltrans cooperates with the RWQCB by participating in the Aquatic Science Center Program that will count towards compliance.
2	San Francisco Bay Urban Creeks	Pesticide-Related Toxicity	In compliance	Pesticides are regulated within Caltrans' ROW. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
4	Ballona Creek	Metals (Ag, Cd, Cu, Pb, & Zn)	In compliance	Caltrans does not contribute any dry-weather discharge from its ROW. There are no dry-weather exceedances for copper lead and zinc. There is little evidence of silver and cadmium exceeding Southern California Coastal Water Research Project standards, therefore there were no WLAs assigned for these pollutants.
			Not in compliance	Caltrans is not in compliance with wet-weather flows for copper, lead and zinc, but is mitigating metals by controlling the discharge of sediment and implementing structural controls.
4	Ballona Creek Estuary	Toxic Pollutants (Ag, Cd, Cu, Pb, Zn, Chlordane, DDTs, Total PCBs, & Total PAHs)	In compliance	Metals (Ag, Cd, Cu, Pb and Zn) associated with fine sediment are in compliance since Caltrans controls the discharge of silver, cadmium, lead and zinc by implementing control measures to prevent or minimize erosion and sediment discharge. The State Water Resources Control Board Performance Report also shows that copper targets have been met.
			In compliance	Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the watershed.
			In compliance	Caltrans does not use pesticides within its ROW, minimal usage of herbicides occurs within its ROW and may contain PAHs. However, PAHs have been regulated and their usage is minimal. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
			In compliance	Chlordane and DDTs are regulated within Caltrans ROW. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
4	Calleguas Creeks and its Tributaries and Mugu Lagoon	Metals	In compliance	Caltrans does not contribute any dry-weather discharge from its ROW. There are no dry-weather exceedances for copper and nickel. Cooperative monitoring results for compliance analysis demonstrates that for the most part, the Calleguas Creek Watershed is in compliance with applicable metal WLAs. Caltrans is also mitigating the discharge of metals through the control of sediment.
4	Calleguas Creeks and its Tributaries and Mugu Lagoon	Organochlorine Pesticides & Polychlorinated Biphenyls	In compliance	Monitoring results show no exceedances of the interim WLAs were observed at any location in the watershed. Organochlorine pesticide compounds are regulated within Caltrans ROW. Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the watershed. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments. A major source of impairment is due to historical loading.
4	Colorado Lagoon	Organochlorine Pesticides, PCBs, Sediment Toxicity, PAHs and Metals (Pb & Zn)	In compliance	Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the watershed.
			In compliance	Caltrans does not use pesticides within its ROW, minimal usage of herbicides occurs within its ROW and may contain PAHs. However, PAHs have been regulated and their usage is minimal. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
			In compliance	Organochlorine pesticides are regulated within Caltrans ROW. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
			In compliance	Caltrans mitigates lead and zinc by implementing control measures to prevent or minimize erosion and sediment discharge.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
4	Dominguez Channel & Greater Los Angeles & Long Beach Harbor Waters	Toxic Pollutants: Metals (Cu, Pb, Zn), DDT, PAHs, & PCBs	In compliance	Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the watershed.
			In compliance	Caltrans does not use pesticides within its ROW, minimal usage of herbicides occurs within its ROW and may contain PAHs. However, PAHs have been regulated and their usage is minimal. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
			In compliance	DDTs are regulated within Caltrans ROW. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
			In compliance	Caltrans does not contribute any dry-weather discharge from its ROW. There are no dry-weather exceedances for copper lead and zinc.
			Not in compliance	Caltrans is mitigating copper, lead and zinc through control of fine sediment and implementation of structural controls.
4	Los Angeles Area (Echo Park Lake)	Chlordane, Dieldrin, & PCBs	In compliance	Chlordane and dieldrin, are regulated within Caltrans ROW. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
			In compliance	PCBs are regulated and no longer in use. Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the watershed. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
4	Los Angeles Area (Peck Road Park Lake)	Chlordane, DDT, Dieldrin, PCBs, & Trash	In compliance	PCBs are regulated within Caltrans ROW. Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the watershed. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
			In compliance	Chlordane, DDTs and dieldrin, are regulated within Caltrans ROW. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
4	Los Angeles River and Tributaries	Metals	In compliance	Caltrans does not contribute any dry-weather discharge from its ROW. Caltrans is in compliance with copper and lead wet-weather WLAs.
			Not in compliance	Caltrans is not in compliance for zinc wet-weather WLAs, but is mitigating metals by controlling the discharge of sediment and implementation of structural controls.
4	Los Cerritos	Metals	In compliance	Caltrans does not contribute any dry-weather discharge from its ROW.
			In compliance	The State Water Resources Control Board's Water Quality Report Card states that sediment concentrations of lead for wet-weather appear to be achieved.
			Not in compliance	Wet-weather impairments for copper and zinc continue to persist. Caltrans is mitigating for these metals by controlling the discharge of sediment and implementation of structural controls.
4	Machado Lake	Pesticides & PCBs	In compliance	Pesticide compounds are regulated within Caltrans ROW. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
			In compliance	PCBs are regulated within Caltrans' ROW. Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the watershed. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
4	Marina del Rey Harbor	Toxic Pollutants (Cu, Pb, Zn, Chlordane, and Total PCBs)	In compliance	PCBs are regulated within Caltrans ROW. Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the watershed. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
			In compliance	Chlordane is regulated within Caltrans ROW. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
			Not in compliance	Impairments for copper, lead and zinc continue to persist. Caltrans is mitigating for these metals by controlling the discharge of sediment and implementation of structural controls.
4	Los Angeles Area (Puddingstone Reservoir)	Chlordane, DDT, PCBs, & Dieldrin	In compliance	PCBs are regulated within Caltrans ROW. Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the watershed. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
			In compliance	Chlordane, DDTs, and dieldrin are regulated within Caltrans ROW. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
4	San Gabriel River	Metals (Cu, Pb, & Zn)	In compliance	Caltrans does not contribute any dry-weather discharge from its ROW and is therefore in compliance with copper, lead and zinc during dry-weather conditions. Caltrans is also expected to be in compliance with copper, lead and zinc WLAs for wet-weather. According to the State Water Resources Control Board's Annual Performance Report, water quality standards are being attained for lead in San Gabriel Reach 2 during wet-weather and exceedances of copper, lead and zinc are decreasing in Coyote Creek during wet-weather.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
4	Santa Monica Bay	DDTs and PCBs	In compliance	DDTs are regulated within Caltrans ROW. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
			In compliance	PCBs are regulated within Caltrans ROW. Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the watershed. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
8	Rhine Channel Area of Lower Newport Bay	Chromium	In compliance	Caltrans has a total of 0 acres within the TMDL watershed.
8	San Diego Creek and Newport Bay, including Rhine Channel	Metals (Cu, Pb, and Zn)	In compliance	Monitoring results for all metals show no exceedances. Caltrans does not contribute any dry-weather discharge from its ROW. Caltrans implements source control/preemptive activities for wet-weather discharge.
8	San Diego Creek and Upper Newport Bay	Cadmium	In compliance	Monitoring results for all metals show no exceedances. Caltrans does not contribute any dry-weather discharge from its ROW. According to a post-dredging report, cadmium levels are not exceeding the WQOs. Caltrans is also expected to be in compliance with wet-weather WLAs and further mitigates sediment discharge in this watershed to further alleviate these impairments.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
8	San Diego Creek Watershed	Organochlorine Compounds (DDT, Chlordane, PCBs, & Toxaphene)	In compliance	The Santa Ana Regional Water Quality Control Board did not establish TMDLs for chlordane and PCBs but did develop informational TMDLs for these pollutants. The information TMDLs have no regulatory effect but may be used for further investigation. Monitoring results show DDT, chlordane and toxaphene were not detected. DDT, chlordane and toxaphene are also regulated within Caltrans ROW. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments. PCBs are regulated within Caltrans ROW. Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the watershed. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.
8	Upper & Lower Newport Bay	Organochlorine Compounds (DDT, Chlordane & PCBs)	In compliance	Caltrans is partnering with the Orange County Flood Control District (OCFCD), County of Orange, City of Irvine, City of Tustin, and IRWD in the Peters Canyon Wash Channel Water Capture and Reuse Pipeline Project as a permanent long-term solution to address high nitrate and selenium concentrations in the groundwater that is pumped from under State Route 261. While the project is for nitrate and selenium, Upper and Lower Newport Bay TMDL pollutants (DDT, Chlordane, and PCBs) will also be controlled. DDT and chlordane compounds are regulated within Caltrans ROW. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments. PCBs are regulated within Caltrans ROW. Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the watershed. Caltrans is also mitigating sediment discharge in this watershed to help alleviate these impairments.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
9	Chollas Creek	Dissolved Copper, Lead and Zinc	In compliance	Caltrans does not contribute any copper, lead and zinc dry-weather discharge from its ROW.
			Not in compliance	Caltrans is mitigating dissolved copper through control of fine sediment and implementation of structural controls. Monitoring results show that historical dissolved copper concentrations at Chollas Creek during wet-weather monitoring events have generally been above both acute and chronic Water Quality Objectives.
			In compliance	Monitoring data shows concentrations for dissolved lead and zinc were below acute and chronic water quality objectives (using existing TMDL WERs). The San Diego Regional Water Board has approved site-specific WERs for Chollas Creek Metals TMDL (). The State Water Board is in the process of approving resolution R9-2017-0015 identifying these WERs. The WER for Dissolved Copper is 6.998 and Dissolved Zinc is 1.711 for Chollas Creek Watershed. Analyzing the alternative water quality objectives (using revised WERs), it was reported that dissolved copper and dissolved zinc concentrations were below the acute and chronic targets for three events at both monitored stations.

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8 Pollutant Category D – Trash TMDLs

Caltrans is listed in 10 trash TMDLs, requiring zero trash discharge from its ROW through the implementation of full capture devices. As required by the permit to effectively achieve trash TMDL compliance, Caltrans must implement full capture devices to remove 100% of trash from its ROW. Although there have been significant improvements in the reduction of trash, measures are not sufficient for Caltrans to achieve 100% reduction in trash TMDLs. Caltrans employs several types of full-capture trash removal devices within its ROW including infiltration basins, infiltration trenches, media filters, and GSRDs. Caltrans also employs non-structural BMPs to mitigate trash including sweeping, drain inlet cleaning, trash collection, storm drain stenciling, slope/soil stabilization, covered trash bins, public education, and public participation. Additionally, Caltrans has increased the frequency of trash/litter cleanups associated with contractor litter pick-up and the Adopt-A-Highway program, which has reduced the amount of trash discharging from its drainage area. Caltrans also collaborates with the California Public Education Campaign to further engage in public education. Moreover, programs such as the Caltrans Parolee Program, California Conservation Corps, District Crew Collection, and Storm Drain Maintenance activities help remove trash from the Caltrans ROW.

Caltrans will continue its efforts to address category D requirements within the trash TMDLs by continuing to implement and prioritize SHOPP projects. Additionally, Caltrans will look for opportunities with local stakeholders within the watershed to implement full capture devices in high trash generating areas (when outside Caltrans ROW) to achieve watershed based compliance.

Table 8-1 presents the list of TMDLs requiring compliance with this category and its compliance level. Additional details on full capture devices, source control, SHOPP projects, CIAs, and State Water Board Water Quality Assessment Reports (if available) for these TMDLs can be found within Appendix A of this report.

Table 8-1: Pollutant Category D TMDL Compliance

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
4	Ballona Creek	Trash	Not in compliance	Caltrans is not in compliance for trash, as trash reduction measures are not sufficient to achieve WLAs. However, continued efforts to reduce trash by 2034 are implemented such as structural control, litter pick-up, street sweeping, etc.
4	Legg Lake	Trash	Not in compliance	Caltrans is not in compliance for trash, as trash reduction measures are not sufficient to achieve WLAs. However, continued efforts to reduce trash by 2034 are implemented such as structural control, litter pick-up, street sweeping, etc.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
4	Los Angeles Area (Echo Park Lake)	Trash	Not in compliance	Caltrans is not in compliance for trash, as trash reduction measures are not sufficient to achieve WLAs and there are no structural BMPs proposed or installed. However, continued efforts to reduce trash by 2034 are implemented such as public education, litter pick-up, street sweeping, etc.
4	Los Angeles Area (Peck Road Park Lake)	Trash	Not in compliance	Caltrans is not in compliance for trash, as trash reduction measures are not sufficient to achieve WLAs. However, continued efforts to reduce trash by 2034 are implemented such as structural controls, litter pick-up, street sweeping, etc.
4	Los Angeles River	Trash	Not in compliance	Caltrans is not in compliance for trash, as trash reduction measures are not sufficient to achieve WLAs. However, continued efforts to reduce trash by 2034 are implemented such as structural controls, litter pick-up, street sweeping, etc.
4	Machado Lake	Trash	Not in compliance	Caltrans is not in compliance for trash, as trash reduction measures are not sufficient to achieve WLAs. However, continued efforts to reduce trash by 2034 are implemented such as structural control, litter pick-up, street sweeping, etc.
4	Malibu Creek	Trash	Not in compliance	Caltrans is not in compliance for trash, as trash reduction measures are not sufficient to achieve WLAs. However, continued efforts to reduce trash by 2034 are implemented such as structural control, litter pick-up, street sweeping, etc.
4	Revolon Slough and Beardsley Wash	Trash	Not in compliance	Caltrans is not in compliance for trash, as trash reduction measures are not sufficient to achieve WLAs. However, continued efforts to reduce trash by 2034 are implemented such as structural control, litter pick-up, street sweeping, etc.
4	Santa Monica Bay Nearshore & Offshore	Debris (trash & plastic pellets)	Not in compliance	Caltrans is not in compliance for trash, as trash reduction measures are not sufficient to achieve WLAs. However, continued efforts to reduce trash by 2034 are implemented such as structural control, litter pick-up, street sweeping, etc.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
4	Ventura River Estuary	Trash	Not in compliance	Caltrans is not in compliance for trash, as trash reduction measures are not sufficient to achieve WLAs. However, continued efforts to reduce trash by 2034 are implemented such as structural control, litter pick-up, street sweeping, etc.

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9 Pollutant Category E – Bacteria TMDLs

Caltrans is listed within 11 category E TMDLs which require compliance with dry-weather and wet-weather flows. As required by the permit to effectively achieve bacteria TMDL compliance, it is determined that dry-weather and wet-weather seasons lead to increased bacteria loadings into the downstream receiving waters. Therefore, compliance with both seasons is required per the NPDES permit. Caltrans is in compliance for all bacteria TMDLs during dry-weather, as they do not have any dry-weather discharge. Caltrans is not in compliance for wet-weather in only Ballona Creek and Santa Monica Bay Beaches Bacteria TMDL. Projects will be prioritized to address compliance with bacteria TMDLs, however a majority of bacteria impaired reaches are lower priority for implementation of control measures to reduce the pollutant, as determined by the reach prioritization.

Caltrans does not have any dry-weather discharge from its ROW, as it continues to inspect and maintain the sprinklers or other sources of dry-weather discharge. Additionally, Caltrans minimizes wet-weather discharges from its ROW by implementing treatment BMPs and source control/preemptive activities such as street sweeping, clean-up of illegal dumping, prohibition of non-stormwater discharges, and public education on littering. Therefore, Caltrans is in compliance with wet-weather discharge.

Table 9-1 presents the list of TMDLs requiring compliance with this category and its compliance level. Additional details on type of BMPs, specific source control measures, SHOPP projects, CIAs, and State Water Board Water Quality Assessment Reports (if available) for these TMDLs can be found within Appendix A of this report.

Table 9-1: Pollutant Category E TMDL Compliance

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
2	Richardson Bay	Pathogens	In compliance	Caltrans does not have any dry-weather discharge. Caltrans implements source control/preemptive activities for wet-weather discharge. Additionally, the State Water Resources Control Board Annual Performance Report shows that fecal coliform concentrations have been meeting water quality objectives for REC-1, and the analyzed data may be showing some improvement in water quality.
2	San Pedro and Pacifica State Beach	Bacteria	In compliance	Caltrans does not have any dry-weather discharge. Caltrans implements source control/preemptive activities for wet-weather discharge.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
4	Ballona Creek, Ballona Estuary, and Sepulveda Channel	Bacteria	Not in compliance	Caltrans is not in compliance with wet-weather flows. Monitoring results show exceedances in the Ballona Creek, Ballona Estuary, and Sepulveda Channel watershed. Caltrans implements treatment BMPs and preemptive actives to control wet-weather bacteria discharge.
4	Long Beach City Beaches and Los Angeles River Estuary	Indicator Bacteria	In compliance	Caltrans does not have any dry-weather discharge. Caltrans implements source control/preemptive activities for wet-weather discharge. Caltrans also coordinates with local municipalities through the Long Beach Municipal Urban Stormwater Treatment Project to improve water quality in this watershed.
4	Los Angeles River Watershed	Bacteria	In compliance	Caltrans does not have any dry-weather discharge.
			Not in compliance	Monitoring results show a high number of exceedances within the Los Angeles River watershed. Caltrans implements source control/preemptive activities for wet-weather discharge.
4	Malibu Creek Watershed	Bacteria	In compliance	Caltrans does not have any dry-weather discharge.
			Not in compliance	Monitoring results show a high number of exceedances within the Malibu Creek watershed for wet-weather discharge. Caltrans implements source control/preemptive activities for wet-weather discharge.
4	Marina del Rey, Harbor Back Basins, & Mother's Beach	Bacteria	In compliance	Caltrans does not have any dry-weather discharge.
			Not in compliance	Monitoring results show that the rolling 6-week geometric mean was exceeded at every sample site location. Caltrans implements source control/preemptive activities for wet-weather discharge.
4	Santa Clara River Estuary and Reaches 3, 5, 6, and 7	Coliform	In compliance	Caltrans does not have any dry-weather discharge. Caltrans implements source control/preemptive activities for wet-weather discharge.

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
4	Santa Monica Bay Beaches	Bacteria	In compliance	Caltrans does not have any dry-weather discharge and the State Water Resources Control Board Annual Performance Report shows significant improvement during dry-weather.
			Not in compliance	Caltrans is not in compliance for wet-weather flows due to exceedances above the WLA as determine by the monitoring results. Caltrans implements treatment controls and source control/preemptive activities for wet-weather discharge.
7	Coachella Valley Storm Water Channel	Bacterial Indicators	In compliance	Caltrans does not have any dry-weather discharge. Caltrans implements source control/preemptive activities for wet-weather discharge.
9	Project 1- Revised Twenty Beaches and Creeks in the San Diego Region (including Tecolote Creek)	Indicator Bacteria	In compliance	According to the Caltrans Annual Report Fiscal Year 2015-2016, Caltrans WLAs are set equal to Caltrans existing load. Therefore, no reduction is required. Caltrans does not have any dry-weather discharge. Caltrans implements source control/preemptive activities for wet-weather discharge.

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10 Pollutant Category F – Diazinon TMDLs

Caltrans is listed within two category F TMDLs, which do not have any specific implementation requirements for Caltrans, as Diazinon is a type of a pesticide used in agriculture and has been regulated from use.

Caltrans' policy is to not use diazinon within its ROW. Additionally, Caltrans' Integrated Pest Management Plan has an ecosystem-based strategy that focuses on long-term control of pests or their damage through a combination of techniques, such as biological controls, habitat manipulation, modification of cultural practices, and use of pest resistant plant varieties. Therefore, Caltrans is in compliance with these TMDLs.

Table 10-1 presents the list of TMDLs requiring compliance with this category and its compliance level. Additional details on type of BMPs, specific source control measures, SHOPP projects, CIAs, and State Water Board Water Quality Assessment Reports (if available) for these TMDLs can be found within Appendix A of this report.

Table 10-1: Pollutant Category F TMDL Compliance

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
2	San Francisco Bay Urban Creeks	Diazinon	In compliance	Caltrans' policy is to not use diazinon within its ROW. Additionally, monitoring results show diazinon was not detected.
9	Chollas Creek	Diazinon	In compliance	Caltrans' policy is to not use diazinon within its ROW. Additionally, monitoring results show that diazinon concentrations have shown statistically significant decreasing trends.

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11 Pollutant Category G – Selenium TMDLs

Caltrans is listed within three category G TMDLs, which require reduction of significant sources of selenium through reducing stormwater runoff, dewatering, groundwater seepage etc. As required by the permit to effectively achieve selenium TMDL compliance, Caltrans continues to demonstrate control of discharge of selenium through appropriate compliance measures of selenium source control to not further impair the downstream receiving waterbody.

Table 11-1 presents the list of TMDLs requiring compliance with this category and its compliance level. Additional details on type of BMPs, specific source control measures, SHOPP projects, CIAs, and State Water Board Water Quality Assessment Reports (if available) for these TMDLs can be found within Appendix A of this report.

Table 11-1: Pollutant Category G TMDL Compliance

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
4	Ballona Creek	Selenium	In Compliance	Per Attachment A to Resolution No. R13-010 Proposed Amendment to the Water Quality Control Plan - Los Angeles Region to incorporate the Ballona Creek Metals TMDL (December 4, 2013), recent data indicate that selenium is not present at levels exceeding existing numeric targets and is not impairing the designated beneficial uses. Therefore, selenium is no longer an impaired pollutant for this TMDL.
4	Calleguas Creeks and its Tributaries and Mugu Lagoon	Selenium	In Compliance	Caltrans does not contribute any dry-weather discharge from its ROW. There are no dry-weather exceedances for selenium. Caltrans is also mitigating the discharge of metals through the control of sediment.
4	San Gabriel River	Selenium	In Compliance	According to the State Water Resources Control Board's Annual Performance Report, the Water Quality Report Card for the San Gabriel River and Impaired Tributaries shows water quality standards are being attained for selenium in San Jose Creek during dry-weather. Selenium in San Jose Creek was removed from the 303(d) list in 2010.

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12 Pollutant Category H – Temperature TMDLs

Caltrans is listed within eight category H TMDLs, which require prevention of activities that may increase receiving water temperatures as a result of vegetation removal and/or erosion and sedimentation.

Caltrans is expected to be in compliance with the temperature TMDLs by not altering the natural temperature. As required by the permit to effectively achieve temperature TMDL compliance, Caltrans preserves existing riparian biotic conditions immediately adjacent to, and provides effective shade near, receiving waters susceptible to temperature increases. Any alteration of riparian biotic conditions that may increase sedimentation or reduce effective shade requires that Caltrans obtain written authorization by the applicable Regional Water Quality Control Board Executive Officer or designee prior to beginning work.

Table 12-1 presents the list of TMDLs requiring compliance with this category and its compliance level. Additional details on type of BMPs, specific source control measures, SHOPP projects, CIAs, and State Water Board Water Quality Assessment Reports (if available) for these TMDLs can be found within Appendix A of this report.

Table 12-1: Pollutant Category H TMDL Compliance

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
1	Lower Eel River	Temperature	In compliance	Caltrans does not alter natural temperature and preserves existing condition.
1	Middle Fork Eel River	Temperature	In compliance	Caltrans does not alter natural temperature and preserves existing condition.
1	South Fork Eel River	Temperature	In compliance	Caltrans does not alter natural temperature and preserves existing condition.
1	Upper Main Eel River and Tributaries (including Tomki Creek, Outlet Creek and Lake Pillsbury)	Temperature	In compliance	Caltrans does not alter natural temperature and preserves existing condition.
1	Klamath River in California	Temperature	In compliance	Caltrans does not alter natural temperature and preserves existing condition.
1	Navarro River	Temperature	In compliance	Caltrans does not alter natural temperature and preserves existing condition.
1	Scott River	Temperature	In compliance	Caltrans does not alter natural temperature and preserves existing condition.
1	Shasta River	Temperature	In compliance	There is no WLA assigned to Caltrans.

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13 Pollutant Category I – Chloride TMDLs

Caltrans is listed within two category I TMDLs, which do not have specific implementation requirements, as Caltrans does not discharge significant amounts of chloride, and any minimal discharges are expected to be addressed under the requirements of this Order. It was determined that the elevated levels of chloride in this watershed is due to increased salt loadings from imported water and the use of self-regenerating water softeners. Therefore, Caltrans is expected to be in compliance with the chloride TMDLs.

Table 13-1 presents the list of TMDLs requiring compliance with this category and its compliance level. Additional details on type of BMPs, specific source control measures, SHOPP projects, CIAs, and State Water Board Water Quality Assessment Reports (if available) for these TMDLs can be found within Appendix A of this report.

Table 13-1: Pollutant Category I TMDL Compliance

Region	TMDL	Pollutant	Compliance Level	Compliance Measures
4	Santa Clara River Reach 3	Chloride	In compliance	Caltrans does not use chloride within its ROW.
4	Upper Santa Clara River	Chloride	In compliance	Caltrans does not use chloride within its ROW.

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14 TMDLs with Specific Implementation Requirements

As identified in Section 4.3, Caltrans NPDES Permit Attachment IV contains seven TMDLs that require implementation that is site-specific and based on pollutant category. This section summarizes Caltrans efforts to implement TMDL specific measures to achieve compliance within the watershed. Specific information on applicable BMPs and compliance levels for each of these TMDLs can be found within Appendix A of this report.

14.1 Klamath River Nutrients TMDL

Caltrans will continue efforts to locate, assess, and remediate barriers to fish passage. As of December 2015, Caltrans has completed three fish passage remediation projects within this watershed. The total cost of approximately $4,200,000. Caltrans has received compliance unit credit of 47.7 for remediating barriers to fish passage within Klamath River watershed as of 2016-2017 fiscal year.

14.2 Napa River Sediment TMDL

Caltrans conducted an initial analysis of the stream crossings data within their ROW, which determined there are 55 perennial and non-perennial crossings within the Napa River watershed. The 2015 TMDL Status Review Report outlined a workplan for performing the stream crossing assessments. This workplan is currently being revised to address the San Francisco Bay Regional Water Board's concerns. Once complete, the stream crossings will be reassessed, where necessary.

Caltrans Office of Biological Studies prioritized fish passage barriers throughout the state. Included in the Bay Area Fish Passage Advisory Committee (FishPAC) are the counties of Alameda, Contra Costa, Marin, Napa, Santa Clara, San Mateo, Solano and Sonoma. Caltrans Office of Biological Studies is working to prioritize 20 of the original 83 known barriers locations in District 4. California Department of Fish and Wildlife (CDFW), National Marine Fisheries Service (NMFS), Caltrans and other local/non-profit fish passage partners have identified the 20 highest priorities for salmon/steelhead recovery of which two are in Napa River.

14.3 Sonoma Creek Sediment TMDL

Caltrans conducted an initial analysis of the stream crossings data within their ROW, which determined there are 18 perennial and non-perennial crossings within the Sonoma Creek watershed. The 2015 TMDL Status Review Report outlined a workplan for performing the stream crossing assessments. This workplan is currently being revised to address the San Francisco Bay Regional Water Board's concerns. Once complete, the stream crossings will be reassessed, where necessary.

Caltrans Office of Biological Studies prioritized fish passage barriers throughout the state. Included in the Bay Area FishPAC are the counties of Alameda, Contra Costa, Marin, Napa, Santa Clara, San Mateo, Solano and Sonoma. Caltrans Office of Biological Studies is working to prioritize 20 of the original 83 known barriers locations in District 4. CDFW, NMFS, Caltrans and

other local/non-profit fish passage partners have identified the 20 highest priorities for salmon/steelhead recovery of which six are in Sonoma Creek.

14.4 Ballona Creek Trash TMDL

Caltrans has 53 centerline miles of highway and 1,180 acres of ROW within Ballona Creek watershed. Caltrans has implemented measures to address the trash impairment in this watershed. Caltrans has employed several types of trash removal devices including GSRDs, media filters, infiltration basins/trenches, and biofiltration swales. All the listed structural BMPs besides biofiltration swales are certified full capture devices with a 100% trash removal efficiency. Caltrans has additional BMPs that are planned or in construction, which will also reduce the amount of trash discharging into Ballona Creek. There are 17 SHOPP projects (PID, PA/ED and PS&E) planned in the Ballona Creek River Watershed that will include treatment BMPs.

Caltrans also employs non-structural BMPs in the Ballona Creek Watershed, including sweeping, drain inlet cleaning, trash collection, storm drain stenciling, covered trash bins, public education, and public participation. Caltrans has also increased the frequency of the Adopt-A-Highway program to treat beyond the minimum permit requirements. Caltrans will continue its efforts to implement public education campaigns in the watershed. Caltrans has engaged in municipal coordination by collaborating with the California Water Boards and California Stormwater Quality Association (CASQA) on the Protect Every Drop Stormwater Public Education Campaign.

According to the State Water Board's water quality report card for Ballona Creek, water quality conditions within the watershed are improving and trash abatement continues to increase. Additionally, significant trash reductions have been noticed since the adoption of this TMDL. Caltrans will continue its implementation efforts to address the WLAs of this TMDL.

14.5 Los Angeles River Trash TMDL

Caltrans has approximately 280 centerline miles of highway and 6,091 acres of ROW within the Los Angeles River watershed. Caltrans continues to implement control measures to address the trash impairment within the watershed. Caltrans has employed several types of trash removal devices for structural control, including GSRDs, media filters, infiltration basins/trench, detention basins, biofiltration swales/strips, design pollution prevention infiltration area (DPPIA), and multi-chambered treatment trains (MCTTs). Caltrans has several additional BMPs in construction that, once in operation, will significantly reduce the amount of trash discharging from the Caltrans drainage area. There are 113 SHOPP projects (PID, PA/ED and PS&E) planned within the Los Angeles River watershed consisting of treatment BMPs.

Caltrans also employs non-structural BMPs in the Los Angeles River Watershed, including sweeping, drain inlet cleaning, trash collection, storm drain stenciling, covered trash bins, public education and public participation. Caltrans has increased the frequency of trash/litter cleanups associated with contractor litter pick-up and the Adopt-A-Highway program, which has reduced the amount of trash discharging from its drainage area. Caltrans will continue its efforts to implement public education campaigns in the watershed. Caltrans has engaged in municipal

coordination by collaborating with the California Water Boards and CASQA on the Protect Every Drop Stormwater Public Education Campaign.

According to the State Water Board's water quality report card for Los Angeles River, water quality conditions within the watershed are improving and trash abatement continues to increase. Additionally, it is noticed that qualitative trash reductions have been noticed since the adoption of this TMDL. Caltrans will continue its implementation efforts to address the WLAs of this TMDL.

14.6 Lake Elsinore and Canyon Lake Nutrients TMDL

Caltrans is an active member of the Lake Elsinore/Canyon Lake Nutrient TMDL Task Force and works with other stakeholders on implementation actions, monitoring activities, and special studies. As part of the TMDL task force efforts there have been several activities implemented to reduce nutrients in Lake Elsinore including aeration systems, Alum application (semi-annually), dredging, carp removal, and removal of nuisance vegetation. Caltrans will continue to actively participate in the Task Force under the Task Force Agreement.

Caltrans has additional control measures implemented throughout the watershed including street sweeping and inlet cleaning, which reduce sediment containing nutrients from the watershed. Caltrans has 19 SHOPP projects (PID, PA/ED and PS&E) planned in the Lake Elsinore and Canyon Lake Watersheds that will implement treatment BMPs to address the impairment.

Based on recent data analyzed by the TMDL Task Force, it was determined that through the cooperative implementation measures within Canyon Lake and Lake Elsinore, significant improvement is being made toward achieving assigned targets and meeting compliance. However, throughout the redevelopment of this TMDL by the TMDL Task Force, it was determined that the numeric targets identified in the 2004 TMDL are unachievable, even with implementation measures to treat all the runoff prior to entering the lake. The original TMDL targets are deemed unachievable for total phosphorus, total nitrogen and chlorophyll-a. Lake Elsinore does not have an outlet for all the incoming loads from the stormwater runoff, which has led to the loads historically accumulating within the lake. Therefore, the targets are deemed unattainable.

The Task Force group is currently redeveloping the TMDL through revisions of the numeric targets and WLAs for the receiving waterbody. Caltrans will continue its efforts to participate in the Task Force group for this TMDL to contribute to attaining compliance within this watershed.

14.7 Lake Tahoe Clarity TMDL

Caltrans prepared a Pollutant Load Reduction Plan (PLRP) detailing the Caltrans approach for meeting the first pollutant load reduction milestone specified by the Lake Tahoe TMDL. The primary purpose of the PLRP is to provide a framework for pollutant load reduction analyses. The original PLRP was submitted on July 15, 2014 by Caltrans to the Lahontan Regional Water Board and the State Water Board. An update to the PLRP was completed on March 2017 which identifies the approach to achieve compliance for the second 10-year implementation milestone. According to the revised PLRP report, Caltrans anticipates to receive 684 Lake Clarity

Credits by registering its road catchments where advanced operational and maintenance activities occur. Additionally, Caltrans is partnering with local municipalities in credit sharing programs from a water quality improvement project (WQIP) and maintaining its treatment BMPs on highway 28. Caltrans will continue its efforts within the watershed in achieving WLA and TMDL compliance.

15 San Francisco Bay Region Reporting

For this permit term, Caltrans has continued to implement control measures to achieve compliance with Caltrans Statewide NPDES Permit Attachment IV; however, additional control measures are also considered within the San Francisco Bay Region to comply with Attachment V requirements. Attachment V, San Francisco Bay Region, states that Caltrans will comply with the prohibition of the discharge of trash through implementation of control measures in high trash generating areas in the San Francisco Bay Region. Caltrans has completed an on-land visual assessment within the San Francisco Bay Region to determine the trash generation rates for the highways and ramps.

Trash reduction efforts within the San Francisco Bay Region include implementation of treatment control BMPs, institutional measures and partnerships with local MS4 agencies including the Bay Area Stormwater Management Agencies Association (BASMAA). Table 15-1 lists additional control measures that Caltrans plans to implement to address the trash impairment within the region.

Table 15-1: Additional Trash Control Measures Planned for Implementation

Control Measures
Source Control
Public education and outreach programs
Street sweeping
Litter removal
Improved trash bin/container management
Structural Control
Storm drain cleaning
Full-capture treatment devices (e.g., GSRDs)
Infiltration basins
Media filters
Detention basins

Through the implementation of source control measures such as public education and outreach, Caltrans proactively generates awareness to help reduce trash from the region. Caltrans has expanded its Protect Every Drop campaign to raise awareness and reduce rates of littering and pollution within the State of California. Additional source control measures, such as street sweeping and litter removal (including Adopt-A-Highway), are ongoing, and its frequencies within high trash generating areas may be increased to keep trash out of the storm drains. Caltrans will also investigate the ability to redirect resources from the areas with low trash accumulation to those areas with higher trash accumulation.

The *Caltrans Trash Load Reduction Workplan for the San Francisco Bay Region* was resubmitted to the Regional Water Board on June 25, 2016. Caltrans received an NOV on December 14, 2016 for failure to demonstrate timely implementation of trash control measures. Caltrans and the Regional Water Board held several meetings in 2017 to discuss an implementation strategy.

In November 2016, Caltrans initiated Phase I of the *Total Maximum Daily Load (TMDL) and Trash Reduction Study for California Department of Transportation (Caltrans) District 4 to addresses requirements of the Caltrans Statewide National Pollutant Discharge Elimination System (NPDES) Conformed Permit (Order No. 2012-0011-DWQ, dated April 7, 2015).* Phase I assessed approximately 50 miles of highway and 100 on-ramps/off-ramps along the Caltrans ROW (ROW) for new and retrofit treatment BMPs that manage pollutants of concern (POCs) and/or provide trash capture. This project identified 20 treatment locations which were programed into the SHOPP 335 Program for implementation. Phase I was the first part of a multi-phase planning project to study best management practice (BMP) feasibility throughout Caltrans District 4.

Caltrans has been working with local permittees to identify partnership opportunities, including funding projects in City of Richmond (treating 961 acres/70 Caltrans ROW acres) City of Atherton (2,875 acres/24 Caltrans ROW acres) and City of South San Francisco (6,300 acres/408 acres).

District 4 along with Headquarters Division of Environmental Analysis (DEA) worked with BASMAA to reassess the Caltrans visual assessment for high trash generation areas. Caltrans met with BASMAA to reach a consensus on Caltrans very high, high, medium and low trash generation level. Based on this, Caltrans will work with local permittees on a crediting mechanism for cooperative agreements to address trash.

16 Conclusion

Caltrans will continue to implement projects and other water pollution reduction practices within TMDL watersheds to achieve compliance for each waterbody as required in Attachment IV of the Caltrans NPDES Permit. Caltrans manages resources for the implementation and maintenance of Stormwater Management Program requirements. Annually, the Caltrans Stormwater Management Program is appropriated about $105 million for support operations in the following programs:

- Capital Outlay Support (COS)
- Maintenance
- Traffic Operations
- Legal.

The capital project funds (funds to deliver projects) are appropriated separately from the Stormwater Program operations appropriation. Project funds include capital construction costs, right of way capital costs and support elements to develop the projects. The State Highway Operation and Protection Program (SHOPP) is the major vehicle to fund rehabilitation projects. Stormwater Mitigation projects (projects to comply with the NPDES Permit requirements) can be stand alone or stormwater components may be funded in conjunction with other SHOPP and Statewide Transportation Improvement Program (STIP). According to the 2017 State Highway System Management Plan (SHSMP), the estimated needs to comply with just the TMDL requirements contained in Attachment IV of the permit (excluding other NPDES Permit provisions) are over $3.4 billion for a period of ten years. Currently Caltrans has programmed stormwater mitigation projects for more than $380 million in the 2016 SHOPP (per the October 2017 California Transportation Committee meeting update). Caltrans integrates stormwater projects with other Caltrans' programs through Asset Management to maximize permit compliance.

The level of annual compliance depends upon available funding. Caltrans will continue addressing Attachment IV requirements and exploring additional compliance strategies to maximize compliance with the State Water Board, Regional Water Boards and other stakeholders.

16.1 Overall TMDL Compliance Achieved

During this permit term, Caltrans is continuing to achieve compliance towards the 84 listed TMDLs. Caltrans continues to treat acres above and beyond the post construction requirements identified within the NPDES Permit. Currently, Caltrans is anticipated to be in compliance for 63 of the 84 TMDLS listed within Attachment IV of the NPDES Permit. However, the objective to achieve Attachment IV is to achieve compliance with each of the 84 TMDLs within 20 years. Therefore, Caltrans anticipates that the implemented control measures and activities will be sufficient to meet WLA by 2034. Table 16-1 identifies Caltrans' efforts in each TMDL watershed by distinguishing the total area treated and the number of compliance units achieved within each of the 84 TMDLs. The treatment area per TMDL is much higher than what is provided in

Table 16-1, as there are significant numbers of treatment BMPs that are unknown. Refer to the fact sheets in Appendix A which provides the breakdown of each type of BMP along with its tributary drainage areas (if known).

Table 16-1: TMDL Watershed Treatment Summary

Region	Impaired Water Body	Pollutant(s)	Total Area Treated in Watershed (acres)[1]	Total Compliance Units Claimed[2]
1	Albion River	Sediment	0	0
1	Big River	Sediment	0	0
1	Lower Eel River	Temperature and Sediment	0	0
1	Middle Fork Eel River	Temperature and Sediment	1	1
1	South Fork Eel River	Temperature and Sediment	0	3.7
1	Upper Main Eel River and Tributaries (including Tomki Creek, Outlet Creek and Lake Pillsbury)	Temperature and Sediment	0	0
1	Garcia River	Sediment	0	0
1	Gualala River	Sediment	0	0
1	Klamath River in California	Temperature, Dissolved Oxygen, Nutrients, and Microcystin	86	62.7
1	Lost River	Nitrogen, Biochemical Oxygen Demand to address Dissolved Oxygen and pH Impairments	0	0
1	Mad River	Sediment and Turbidity	5	0
1	Navarro River	Sediment and Temperature	0	0
1	Noyo River	Sediment	0	0
1	Redwood Creek	Sediment	2	1
1	Scott River	Sediment and Temperature	0	0
1	Shasta River	Dissolved Oxygen and Temperature	0	0
1	Ten Mile River	Sediment	0	0
1	Trinity River	Sediment	86	24
1	South Fork Trinity River and Hayfork Creek	Sediment	0	0

Region	Impaired Water Body	Pollutant(s)	Total Area Treated in Watershed (acres)[1]	Total Compliance Units Claimed[2]
1	Van Duzen River and Yager Creek	Sediment	0	0
2	Napa River	Sediment	18	6
2	Richardson Bay	Pathogens	0	0
2	San Francisco Bay	PCBs	443	36
2	San Francisco Bay	Mercury	439	44
2	San Pedro and Pacifica State Beach	Bacteria	5	0
2	Sonoma Creek	Sediment	0	0
2	San Francisco Bay Urban Creeks	Diazinon & Pesticide-Related Toxicity	330	30
3	San Lorenzo River (includes Carbonera Lompico, and Shingle Mill Creeks)	Sediment	15	0
3	Morro Bay (includes Chorro Creek, Los Osos Creek, and the Morro Bay Estuary)	Sediment	0	0
4	Ballona Creek	Metals (Ag, Cd, Cu, Pb, & Zn) and Selenium	257	32
4	Ballona Creek, Ballona Estuary, and Sepulveda Channel	Bacteria	257	21
4	Ballona Creek	Trash	257	191
4	Ballona Creek Estuary	Toxic Pollutants (Ag, Cd, Cu, Pb, Zn, Chlordane, DDTs, Total PCBs, and Total PAHs)	257	32
4	Ballona Creek Wetlands	Sediment and Invasive Exotic Vegetation	257	32
4	Calleguas Creeks and its Tributaries and Mugu Lagoon	Metals and Selenium	406	99
4	Calleguas Creeks and its Tributaries and Mugu Lagoon	Organochlorine Pesticides, Polychlorinated Biphenyls, and Siltation	406	77

Region	Impaired Water Body	Pollutant(s)	Total Area Treated in Watershed (acres)[1]	Total Compliance Units Claimed[2]
4	Colorado Lagoon	OC Pesticides, PCBs, Sediment Toxicity, PAHs, and Metals (Pb & Zn)	0	0
4	Dominguez Channel & Greater Los Angeles & Long Beach Harbor Waters	Toxic Pollutants: Metals (Cu, Pb, Zn), DDT, PAHs, and PCBs	546	197
4	Los Angeles Area (Lake Sherwood)	Mercury	0	0
4	Legg Lake	Trash	51	0
4	Los Angeles Area (North, Center, & Legg Lakes)	Nitrogen & Phosphorus	0	0
4	Long Beach City Beaches and Los Angeles River Estuary	Indicator Bacteria	77	23
4	Los Angeles Area (Echo Park Lake)	Nitrogen, Phosphorus, Chlordane, Dieldrin, PCBs, & Trash	0	0
4	Los Angeles Area (Peck Road Park Lake)	Nitrogen, Phosphorus, Chlordane, DDT, Dieldrin, PCBs, and Trash	73	10
4	Los Angeles River and Tributaries	Metals	2,647	447
4	Los Angeles River	Trash	2,647	557
4	Los Angeles River Watershed	Bacteria	2,647	348
4	Los Cerritos	Metals	116	36
4	Machado Lake	Pesticides and PCBs	30	0
4	Machado Lake	Trash	30	0
4	Machado Lake	Eutrophic, Algae, Ammonia, and Odors (Nutrients)	30	0
4	Malibu Creek	Trash	139	7
4	Malibu Creek Watershed	Bacteria	139	10
4	Malibu Creek and Lagoon	Sedimentation and Nutrients to address Benthic Community Impairments	139	16

Region	Impaired Water Body	Pollutant(s)	Total Area Treated in Watershed (acres)[1]	Total Compliance Units Claimed[2]
4	Marina del Rey Harbor	Toxic Pollutants (Cu, Pb, Zn, Chlordane, and Total PCBs)	0	0
4	Marina del Rey, Harbor Back Basins, & Mother's Beach	Bacteria	0	0
4	Los Angeles Area (Puddingstone Reservoir)	Nitrogen, Phosphorus, Chlordane, DDT, PCBs, Hg, and Dieldrin	17	0
4	Revolon Slough and Beardsley Wash	Trash	60	0
4	San Gabriel River	Metals (Cu, Pb, Zn) and Selenium	5,250	88
4	Santa Clara River Estuary and Reaches 3, 5, 6, and 7	Coliform	468	9
4	Santa Clara River Reach 3	Chloride	82	6
4	Santa Monica Bay Beaches	Bacteria	417	13
4	Santa Monica Bay	DDTs and PCBs	417	24
4	Santa Monica Bay Nearshore & Offshore	Debris (trash & plastic pellets)	58	0
4	Upper Santa Clara River	Chloride	228	0
4	Ventura River Estuary	Trash	91	10
4	Ventura River and its Tributaries	Algae, Eutrophic Conditions, and Nutrients	91	0
5	Clear Lake	Nutrients	2	0
5	Cache Creek, Bear Creek, Sulphur Creek and Harley Gulch	Mercury	6	0
5	Sacramento-San Joaquín River Delta Estuary	Methyl mercury	103	0
6	Lake Tahoe	Sediment and Nutrients	29	29
6	Truckee River	Sediment	0	0
7	Coachella Valley Storm Water Channel	Bacterial Indicators	0	0
8	Big Bear Lake	Nutrients for Dry Hydrological Conditions	0	0
8	Lake Elsinore and Canyon Lake	Nutrients	370	44

Region	Impaired Water Body	Pollutant(s)	Total Area Treated in Watershed (acres)[1]	Total Compliance Units Claimed[2]
8	Rhine Channel Area of Lower Newport Bay	Chromium and Mercury	0	0
8	San Diego Creek and Newport Bay, including Rhine Channel	Metals (Copper, Lead, & Zinc)	48	54
8	San Diego Creek and Upper Newport Bay	Cadmium	48	54
8	San Diego Creek Watershed	Organochlorine Compounds (DDT, Chlordane, PCBs, & Toxaphene)	46	42
8	Upper & Lower Newport Bay	Organochlorine Compounds (DDT, Chlordane, & PCBs)	2	0
9	Chollas Creek	Diazinon	87	43
9	Chollas Creek	Dissolved Copper, Lead and Zinc	87	43
9	Rainbow Creek	Total Nitrogen and Total Phosphorus	0	0
9	Project 1- Revised Twenty Beaches and Creeks in the San Diego Region (including Tecolote Creek)	Indicator Bacteria	744	155

[1] Total area treated includes BMP treatment area, Design Pollution Prevention BMPs, and Open-Graded Friction Course. The treated area per TMDL may not be reflective of the total area tributary to structural BMPs within each watershed, as there are many BMPs which have unknown tributary drainage area associated with it.
[2] Total includes Compliance Credits claimed for Fiscal Year 2014-2015, 2015-2016, and 2016-2017 from treatment BMPs, Design Pollution Prevention BMPs, and Open-Graded Friction Course projects.

17 References

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Appendix A – TMDL Fact Sheets

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Albion River Sediment TMDL

Caltrans District	1
RWQCB Number	1
TMDL Watershed Area (acres)	27,529
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	2
Percent of Caltrans ROW in TMDL Watershed	0.01%
TMDL Pollutant	Sediment

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Sediment	U.S. EPA states that there are no point sources of sediment in the Albion River watershed. The waste load allocation for Caltrans is zero (0).

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	329	No BMPs Proposed		
2	378	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Slopes Prone to Erosion[4]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	40.18	104.48	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,4,5]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the Albion River watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Albion River watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified one slope in the Albion River watershed which is prone to erosion, and stabilization of the identified slope will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Four SHOPP projects (PID, PAED, and/or PS&E) are planned in the Albion River watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Albion River Sediment TMDL

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[6]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Albion River TMDL for Sediment Staff Report* (2001); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[5] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[6] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Ballona Creek Metals (Ag, Cd, Cu, Pb, Zn) and Selenium TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	81,795
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,143
Percent of Caltrans ROW in TMDL Watershed	1.4%
TMDL Pollutants[2]	Metals (Cu, Pb, & Zn)

Waste Load Allocations (WLAs)[2,3,4]		
Pollutant	Dry-Weather Caltrans WLA	
	Ballona Creek Reach (g/day)	Sepulveda Channel Reach (g/day)
Copper (Cu)	19.6	10.8
Lead (Pb)	10.8	4.0
Zinc (Zn)	246.2	91.3
	Wet-Weather Caltrans WLA	
	WLA Equation for All Reaches (g/day)	Calculated WLA for All Reaches (g/day)
Copper (Cu)	1.806×10^{-7} x daily storm volume (L)	632
Lead (Pb)	1.012×10^{-6} x daily storm volume (L)	3,542
Zinc (Zn)	1.381×10^{-6} x daily storm volume (L)	4,834

Best Management Practices (BMPs)[5]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[6]
1	80	Austin Sand Filter	4	Unknown
		Gross Solids Removal Device	5	Unknown
2	106	Austin Sand Filter	9	30
		Biofiltration Swale	11	15
		DPP (Design Pollution Prevention)	2	4.7
		Gross Solids Removal Device	53	32
		Infiltration Basin	1	5.8
		Infiltration Trench	1	1.8
3	93	Biofiltration Swale	16	79
		DPP (Design Pollution Prevention)	1	39
		Gross Solids Removal Device	31	17
		Infiltration Basin	3	33

BMP Effectiveness[7]			
Treatment BMP Type	Total Cu Removal	Total Pb Removal	Total Zn Removal
Austin Sand Filter	83%	92%	87%
Biofiltration Swale	69%	62%	75%
Infiltration Basin	100%	100%	100%
Infiltration Trench	100%	100%	100%

Slopes Prone to Erosion[8]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	0.00	59.90	TBD
1	9.78	62.87	TBD
Caltrans will be scheduling stabilization of the erosion prone areas to address TMDL requirements.			

Ballona Creek Metals (Ag, Cd, Cu, Pb, Zn) and Selenium TMDL

Progress Towards Achieving WLAs and Performance Standards[3,8,9]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Metals (Cu, Pb, Zn)	Caltrans is in compliance with metals (Cu, Pb, Zn) waste load allocations for dry-weather in the Ballona Creek watershed, since Caltrans does not contribute any dry-weather discharge from its ROW. According to the State Water Resources Control Board's Annual Performance Report, the Water Quality Report Card shows that Ballona Creek has consistently met dry-weather targets since 2009. Caltrans is not in compliance with metals (Cu, Pb, Zn) waste load allocations for wet-weather in the Ballona Creek watershed, but is making progress towards compliance. Caltrans implements appropriate control measures to reduce the discharge of dissolved fraction metals, such as physical structures that prevent contaminated runoff from reaching receiving waters. As an additional mitigation measure, Caltrans reduces the sediment transport of metals and selenium by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the Ballona Creek watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified two slopes in the Ballona Creek watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Eleven SHOPP project (PID, PAED, and/or PS&E) are planned in the Ballona Creek watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Quantification of Pollutant Removal[7,10]	
Pollutant	Removed (g/day)
Total Cu	152
Total Pb	106
Total Zn	819

Compliance Units Achieved[11]
32

Total Area Treated (acres)[12]
214

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Per Attachment A to Resolution No. R13-010 *Proposed Amendment to the Water Quality Control Plan - Los Angeles Region to incorporate the Ballona Creek Metals TMDL* (December 4, 2013), recent data indicate that selenium is not present at levels exceeding existing numeric targets and is not impairing the designated beneficial uses. Therefore, selenium is no longer an impaired pollutant for this TMDL. There is little evidence of silver and cadmium exceeding Southern California Coastal Water Research Project standards, therefore there were no WLAs assigned for these pollutants.

[3] Sources: Attachment A to Resolution No. R13-010 *Proposed Amendment to the Water Quality Control Plan - Los Angeles Region to incorporate the Ballona Creek Metals TMDL* (December 5, 2013); *TMDL for Metals In Ballona Creek Staff Report* (2005); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[4] The wet-weather WLAs were calculated using a summation of daily storm volumes from Sepulveda Channel Reach and Ballona Creek Reach.

[5] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[6] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[7] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[8] Sources: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[9] Sources: Caltrans *TMDL Implementation Plan* (January 2015); and the State Water Resources Control Board's *Annual Performance Report* Fiscal Year 2015-2016.

[10] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[11] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[12] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Ballona Creek Trash TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	83,820
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,176
Percent of Caltrans ROW in TMDL Watershed	1.4%
TMDL Pollutant	Trash

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Trash	0 or 0% of the baseline load (zero trash)

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	13	Austin Sand Filter	4	Unknown
		Gross Solids Removal Device	5	Unknown
2	30	Austin Sand Filter	9	30
		Biofiltration Swale	27	94
		Gross Solids Removal Device	84	50
		Infiltration Basin	4	39
		Infiltration Trench	1	1.8

Source Controls[5,6]	
Adopt-A-Highway Program	The Adopt-A-Highway Program provides an avenue for individuals, organizations, and businesses to help maintain sections of roadside for various activities, including litter removal, within California's State Highway System. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 1,542 cubic yards of trash through the Adopt-A-Highway Program.
California Conservation Corps and Caltrans Parolee Program[7]	The Division of Maintenance has partnership programs with the California Department of Corrections and Rehabilitation and the California Conservation Corps. Parolees and Corps employees provide contracted services to assist in the removal of trash and litter from the ROW. As of Fiscal Year 2015-2016, Caltrans District 7 has removed a combined 9,468 cubic yards of trash through the California Conservation Corps and District Crew Collection, and 5,807 cubic yards of trash through the Caltrans Parolee Program.
District Crew Collection[7]	Caltrans crews conduct manual cleanup of trash and litter from the ROW. As mentioned above, Caltrans District 7 has removed a combined 9,468 cubic yards of trash through the California Conservation Corps and District Crew Collection in Fiscal Year 2015-2016.
Public Education	Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year. Caltrans staff volunteers to collect litter and raise public awareness about the issue. Caltrans supports the California "Keep America Beautiful" campaign with the Caltrans "Protect Every Drop" campaign. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 589 cubic yards of trash through Public Education.
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces, which removes tracked sediment and other materials to prevent them from entering a storm drain or watercourse. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 12,024 cubic yards of trash through Roadway Sweeping.
Slope/Soil Stabilization Area	Soil stabilization methods are installed to stabilize areas disturbed by grading operations, to reduce loss of soil due to water or wind, and to prevent water pollution. Three slope/soil stabilization areas are treating a total of 43.23 acres within the Caltrans ROW.
Storm Drain Maintenance	Caltrans cleans the storm drainage system inlets and culverts of accumulated materials. These activities are conducted manually and by vactor trucks. Caltrans District 7 performs additional inspection and cleaning through its Enhanced Annual Storm Drain Inlet Inspection and Cleaning Program in metropolitan areas. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 7,390 cubic yards of trash from Storm Drain Maintenance activities.

Ballona Creek Trash TMDL

BMP Effectiveness[8]	
Treatment BMP Type	Removal Efficiency
Austin Sand Filter	Certified Full Capture Device (100% Trash Removal Efficiency)
Biofiltration Swale	Partial Trash Removal
Gross Solids Removal Device	Certified Full Capture Device (100% Trash Removal Efficiency)
Infiltration Basin	Certified Full Capture Device (100% Trash Removal Efficiency)
Infiltration Trench	Certified Full Capture Device (100% Trash Removal Efficiency)

Progress Towards Achieving WLAs and Performance Standards[2,5,6,9]	
Will the control measures be sufficient to achieve WLAs?	
Trash	Although there have been significant improvements in the reduction of trash, measures are not sufficient for Caltrans to achieve waste load allocations in the Ballona Creek Watershed. Caltrans uses several types of trash removal devices, including the construction of Austin sand filters, gross solids removal devices, infiltration trenches, and infiltration basins which have a full capture efficiency. Caltrans also employs biofiltration swales, which have partial trash removal efficiency. Additionally, Caltrans employs non-structural BMPs in the Ballona Creek Watershed to mitigate trash including sweeping, drain inlet cleaning, trash collection, storm drain stenciling, slope/soil stabilization, covered trash bins, public education, and public participation. Moreover, Caltrans has increased the frequency of the Adopt-A-Highway program as well as increased sweeping and litter pick-up frequency in the Ballona Creek watershed to treat beyond the minimum permit requirements. Caltrans also collaborates with the California Public Education Campaign to further engage in public education. Programs such as the Caltrans Parolee Program, California Conservation Corps, District Crew Collection, and Storm Drain Maintenance activities also help remove trash from the Caltrans ROW. According to the State Water Resources Control Board's Annual Performance Report, water quality conditions are improving in the Ballona Creek Watershed and trash abatement continues to increase. Additionally, the report states that qualitative observations have shown a significant reduction of trash since adoption of the TMDL. There is a significant improvement in the reduction in trash; however, the measures are not sufficient for Caltrans to achieve waste load allocations in the Ballona Creek Watershed. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Seventeen SHOPP projects (PID, PAED, and/or PS&E) are planned in the Ballona Creek River Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Acres Treated for Trash[10]
119

Compliance Units Achieved[11]
191

Total Area Treated (acres)[12]
214

Ballona Creek Trash TMDL

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Trash TMDL for Ballona Creek and Wetland Staff Report* (2004); Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC, and Attachment B to Resolution No. R15-006.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in this value.

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); Caltrans *Annual Report* Fiscal Year 2015-2016, Appendix E; and Caltrans *District 7 Litter Management Pilot Study* (June 2000).

[6] Source: Caltrans *Project Planning and Design Guide* (2016).

[7] The data value was reported as a combined volume of trash removed from the District Crew Collection and California Conservation Corps. Volumes for each source control could not be individually separated.

[8] Source: Certified as Full Capture Systems by the State Water Resources Control Board Executive Director Certification as listed on the Multi-Benefit Treatment System List.

[9] Source: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[10] The acres represented include Caltrans impervious and pervious area treated by certified full capture devices with 100% trash removal efficiency.

[11] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[12] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area to all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Ballona Creek Estuary Toxic Pollutants
(Ag, Cd, Cu, Pb, Zn, Chlordane, DDTs, Total PCBs, and Total PAHs) TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	81,795
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,143
Percent of Caltrans ROW in TMDL Watershed	1.4%
TMDL Pollutants	Toxic Pollutants (Ag, Cd, Cu, Pb, Zn, Chlordane, DDTs, Total PCBs, and Total PAHs)

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Silver	0.09 kg/year
Cadmium	0.11 kg/year
Copper	3.2 kg/year
Lead	4.4 kg/year
Zinc	14 kg/year
Total PCBs	0.3 g/year
PAHs	400 g/year
Chlordane	0.12 g/year
DDT	0.18 g/year
Note: WLAs are based on pollutant concentrations within sediment.	

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	73	Austin Sand Filter	4	Unknown
		Gross Solids Removal Device	5	Unknown
2	82	Austin Sand Filter	9	30
		Biofiltration Swale	27	94
		DPP (Design Pollution Prevention)	3	43
		Gross Solids Removal Device	84	50
		Infiltration Basin	4	39
		Infiltration Trench	1	1.8

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Austin Sand Filter	93%
Biofiltration Swale	48%
Infiltration Basin	100%
Infiltration Trench	100%

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	0	59.90	TBD
1	9.78	62.87	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Ballona Creek Estuary Toxic Pollutants
(Ag, Cd, Cu, Pb, Zn, Chlordane, DDTs, Total PCBs, and Total PAHs) TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Ag, Cd, Cu, Pb, and Zn	Caltrans is expected to be in compliance with Ag, Cd, Cu, Pb, and Zn waste load allocations in the Ballona Creek Estuary watershed. Heavy metals have a high affinity for adherence to fine sediment. Therefore the appropriate control measures for heavy metals are to control erosion and prevent or minimize the discharge of fine sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Ballona Creek Estuary watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. According to the California State Water Board's Annual Performance Report, the Water Quality Report Card for Ballona Creek Estuary states that sediment quality data demonstrates that copper numeric targets have been consistently met since mid-2008, which may be due to lower storm volumes and newly installed treatment BMPs. Additionally, the report states that continued implementation of the TMDL projects and provisions within the MS4 permit, and other permits, will help attain water quality standards.
Total PCBs, and Total PAHs	Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the Ballona Creek Estuary watershed. Additionally, Caltrans does not use PCBs within its ROW. Therefore, Caltrans is expected to be in compliance with PCBs waste load allocations in the Ballona Creek Estuary watershed. Although Caltrans does not use pesticides within its ROW, minimal usage of herbicides occur within its ROW and may contain PAHs. However, PAHs have been regulated and their usage is minimal. Therefore, Caltrans is expected to be in compliance with PAHs waste load allocations in the Ballona Creek Estuary watershed. Toxic pollutants have a high affinity for adherence to fine sediment. A major source of toxic impairments is due to historical loading from the pollutants adhering to sediment. Therefore the appropriate control measures for toxics are to control erosion and prevent or minimize the discharge of fine sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Ballona Creek Estuary watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Chlordane and DDTs	Caltrans is expected to be in compliance with chlordane and DDTs waste load allocations in the Ballona Creek Estuary watershed since DDTs are no longer in production and their usage has been regulated. Additionally, Caltrans does not use chlordane or DDTs within its ROW. A major source of pesticide impairments is due to historical loading from the pollutants adhering to sediment. Although Caltrans does not use pesticides within its ROW, Caltrans complies with Provision E.2.h.3)b) of the Permit which specifies practices for the safe handling and use of pesticides, including compliance with federal, State and local regulations, and label directions. Caltrans is also required to perform site assessments, applicator training, and implementation of integrated pest and vegetation management practices when using pesticides in order to prevent pesticide discharge in storm water runoff in the Ballona Creek Estuary watershed. As an additional mitigation measure, Caltrans reduces the sediment transport of chlordane and DDTs by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the Ballona Creek Estuary watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Additional Measures to Achieve WLAs for All Pollutants	Caltrans implements and maintains structural BMPs to mitigate sediment in the Ballona Creek Estuary watershed. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified two slopes in the Ballona Creek Estuary watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Seventeen SHOPP projects (PID, PAED, and/or PS&E) are planned in the Ballona Creek watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Ballona Creek Estuary Toxic Pollutants
(Ag, Cd, Cu, Pb, Zn, Chlordane, DDTs, Total PCBs, and Total PAHs) TMDL

Quantification of Pollutant Removal[5,8]	
Pollutants	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	10,461

Compliance Units Achieved[9]
32

Total Area Treated (acres)[10]
211

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Toxic Pollutants in Ballona Creek Estuary Staff Report* (2005); *Reconsideration of Certain Technical Matters of the Ballona Creek Estuary Toxics TMDL and Ballona Creek Metals TMDL Staff Report* (2013); Attachment B to Resolution No. R13-010, and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Source: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, Fiscal Year 2017-2018.

[7] Sources: Caltrans *TMDL Implementation Plan* (January 2015); and the State Water Resources Control Board's *Annual Performance Reports* Fiscal Year 2014-2015, and Fiscal Year 2015-2016.

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Ballona Creek Wetlands Sediment and Invasive Exotic Vegetation TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	81,795
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,143
Percent of Caltrans ROW in TMDL Watershed	1.4%
TMDL Pollutants	Sediment and Invasive Exotic Vegetation

Waste Load Allocations (WLAs)[2]		
Pollutant	Watershed WLA	
Sediment	58,354 yd^3/year	The watershed waste load alloaction is assigned to Los Angeles County, MS4s and co-permitees, and Caltrans. It includes both suspended sediment and sediment bed load that are transported from Ballona Watershed into Ballona Creek Wetlands.
	Estimated Caltrans WLA	
	815 yd^3/year	There is no waste load allocation specific to Caltrans for sediment; however, the estimated Caltrans WLA is based on the percentage of Caltrans ROW area in the TMDL watershed area.
Invasive Exotic Vegetation	Caltrans WLA	
	There is no waste load allocation specific to Caltrans for invasive species.	

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	64	Austin Sand Filter	4	Unknown
		Gross Solids Removal Device	5	Unknown
2	75	Austin Sand Filter	9	30
		Biofiltration Swale	27	94
		DPP (Design Pollution Prevention)	3	43
		Gross Solids Removal Device	84	50
		Infiltration Basin	4	39
		Infiltration Trench	1	1.8

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Austin Sand Filter	93%
Biofiltration Swale	48%
Infiltration Basin	100%
Infiltration Trench	100%

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	0.00	59.90	TBD
1	9.78	62.87	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Ballona Creek Wetlands Sediment and Invasive Exotic Vegetation TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment and Invasive Exotic Vegetation	Compliance with the stormwater permit is deemed to be sufficient to meet the Caltrans sediment waste load allocation in the Ballona Creek Wetlands watershed. Therefore, Caltrans is expected to achieve compliance with this TMDL because they are in compliance with their stormwater permit. As part of the stormwater permit, Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Ballona Creek Wetlands Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Additionally, Caltrans implements structural BMPs, such as austin sand filters, biofiltration swales, infiltration basins, and infiltration trenches, which are effective in removing sediment. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified two slopes in the Ballona Creek Wetlands watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Sixteen SHOPP projects (PID, PAED, and/or PS&E) are planned in the Ballona Creek Wetlands watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address relevant pollutions?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (yd^3/year)
Total Suspended Solids (TSS)	10.5

Compliance Units Achieved[9]
32

Total Area Treated (acres)[10]
257

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Ballona Creek Wetlands TMDL for Sediment and Invasive Exotic Vegetation Staff Report* (2012); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed.

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	81,795
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,143
Percent of Caltrans ROW in TMDL Watershed	1.4%
TMDL Pollutant	Bacteria

Waste Load Allocations (WLAs)[2]			
Pollutant	Watershed WLA		
Bacteria	Location	Dry-Weather	Wet-Weather (Critical Condition)
	Ballona Estuary	Zero (0) exceedance days for summer dry-weather Nine (9) exceedance days (daily sampling) or two (2) exceedance days (weekly sampling)	17 exceedance days (daily sampling) or three (3) exceedance days (weekly sampling)
	Ballona Creek Reach 2, and Sepulveda Channel	Five (5) exceedance days (daily sampling) or one (1) exceedance day (weekly sampling)	15 exceedance days (daily sampling) or two (2) exceedance days (weekly sampling)
	Ballona Creek Reach 1 (Fecal Coliform MPN/100 ml)	No more than 10% of 4,000/100 ml	No more than 10% of 4,000/100 ml
	The waste load allocation for the rolling 30-day geometric mean is zero (0) days of allowable exceedances for all locations. In addition to assigning TMDLs for the impaired reaches, waste load allocations and load allocations are assigned to the tributaries to these impaired reaches. Exceedance days are based on the reference year.		

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	62	Austin Sand Filter	4	Unknown
		Gross Solids Removal Device	5	Unknown
2	89	Austin Sand Filter	9	30
		Biofiltration Swale	11	15
		DPP (Design Pollution Prevention)	2	4.7
		Gross Solids Removal Device	53	32
		Infiltration Basin	1	5.8
		Infiltration Trench	1	1.8
3	74	Biofiltration Swale	16	79
		DPP (Design Pollution Prevention)	1	39
		Gross Solids Removal Device	31	17
		Infiltration Basin	3	33
Source Controls[5]				
Clean-Up of Illegal Dumping	Illegal dumping is prohibited by state and local laws and is enforced by the California Highway Patrol (CHP) and local law enforcement agencies. Caltrans relies on CHP and Caltrans staff to investigate and resolve reports of suspected illegal connections and illicit discharges. Caltrans has trained in-house and contract hazardous response staff to manage and clean up spills. Caltrans District 7 prepares and implements a Hazardous Spill Contingency Plan on an annual basis.			
Prohibition of Non-Storm water Discharges	Caltrans prohibits non-storm water discharges to the municipal separate storm sewer system and reduces pollution caused by wastes associated with non-storm water discharges to the maximum extent practicable. Caltrans implements BMPs through their construction, design and maintenance divisions to control non-storm water pollutants.			

Public Education on Littering	Caltrans partners with various organizations at both the state and local levels, focusing on educating and motivating the public to modify peoples' behavior regarding stormwater pollution. District NPDES Coordinators work with the District's Public Information Officer to educate the public about stormwater pollution. Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year. Caltrans staff volunteers collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign through their "Protect Every Drop" campaign, which addresses key actions the public can take to properly dispose of trash and pollutants.
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces, which removes tracked sediment and other materials to prevent them from entering a storm drain or watercourse.

BMP Effectiveness[6]	
Treatment BMP Type	Removal Efficiency
Austin Sand Filter	72%
Infiltration Basin	100%
Infiltration Trench	100%

Progress Towards Achieving WLAs and Performance Standards[7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Bacteria	Caltrans is in compliance with bacteria waste load allocations for dry-weather flows in the Ballona Creek, Ballona Estuary, and Sepulveda Channel watershed. According to the California Water Board's Annual Performance Report, the Water Quality Report Card for Ballona Creek shows a significant improvement in water quality during dry winter weather, and most sites had fewer than the allowable number of exceedance days during dry winter weather in 2012. Caltrans is not expected to be in compliance with bacteria waste load allocations for wet-weather flows in the Ballona Creek, Ballona Estuary, and Sepulveda Channel watershed. Monitoring results show exceedances in the Ballona Creek, Ballona Estuary, and Sepulveda Channel watershed. Caltrans minimizes wet-weather discharges from its ROW into receiving waterbodies impaired for bacteria by implementing treatment BMPs and source control/preemptive activities such as street sweeping, clean-up of illegal dumping, prohibition of non-storm water discharges, and public education on littering as described above. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Fourteen SHOPP projects (PID, PAED, and/or PS&E) are planned in the Ballona Creek, Ballona Estuary, and Sepulveda Channel watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutant?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed
Bacteria	Not applicable. Waste load allocations are assigned as allowable exceedance days.

Compliance Units Achieved[8]
21

Total Area Treated (acres)[9]
257

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Bacterial Indicator Densities in Ballona Creek, Ballona Estuary, & Sepulveda Channel Staff Report (* 2006); *Reconsideration of Certain Technical Matters of the TMDL for Bacteria Indicator Densities in Ballona Creek, Ballona Estuary, and Sepulveda Channel* (2012); Attachment A to Resolution No. R12-008; and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: *Caltrans Statewide Storm Water Management Plan* (2016); and *Caltrans TMDL Implementation Plan* (January 2015).

[6] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values; and B*allona Creek Watershed Management Group, Enhanced Watershed Management Program (EWMP) Final Workplan* , (June 25, 2014).

[7] Sources: Caltrans *TMDL Implementation Plan* (January 2015); State Water Resources Control Board's *Annual Performance Report* Fiscal Year 2015/2016; *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; and *Examination of Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria TMDL - Month of May 2015* (June 2015).

[7] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[8] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Big Bear Lake Nutrients for Dry Hydrological Conditions TMDL

Caltrans District	8
RWQCB Number	8
TMDL Watershed Area (acres)	23,398
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	139
Percent of Caltrans ROW in TMDL Watershed	0.59%
TMDL Pollutant	Nutrients for Dry Hydrological Conditions (Total Phosphorus)

Waste Load Allocations (WLAs)[2]	
Pollutant	Watershed WLA
Total Phosphorus	475 lbs/year
	Caltrans WLA
	There is no waste load allocation specific to Caltrans.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	75	Biofiltration Strip	1	Unknown
		Traction Sand Trap	17	Unknown

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Strip	75%
Traction Sand Trap	60%

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
18	50.81	66.77	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Big Bear Lake Nutrients for Dry Hydrological Conditions TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Total Phosphorus	Caltrans is expected to be in compliance with the phosphorus waste load allocation in the Big Bear Lake watershed. Caltrans controls the discharge of phosphorus through the control of sediment. Caltrans implements and maintains structural BMPs to mitigate sediment in the Big Bear Lake watershed. Additionally, Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Big Bear Lake watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified one slope in the Big Bear Lake watershed which is prone to erosion, and stabilization of the identified slope will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Two SHOPP projects (PID, PAED, and/or PS&E) are planned in the Big Bear Lake watershed that include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutant?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (lbs/year)
Total Suspended Solids (TSS)	Not available due to unknown BMP tributary drainage area.

Compliance Units Achieved[9]
0

Total Area Treated (acres)[10]
Not available due to unknown BMP tributary drainage area.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: Resolution No. R8-2006-0023 *Resolution Amending the Water Quality Control Plan for the Santa Ana River Basin to Incorporate a Nutrient TMDL for Dry Hydrological Conditions for Big Bear Lake* (2006); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Source: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Sources: Caltrans *TMDL Implementation Plan* (January 2015).

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed.

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Big River Sediment TMDL

Caltrans District	1
RWQCB Number	1
TMDL Watershed Area (acres)	115,970
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	123
Percent of Caltrans ROW in TMDL Watershed	0.11%
TMDL Pollutant	Sediment

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Sediment	U.S. EPA states that there are no point sources of sediment in the Big River Watershed. The waste load allocation for Caltrans is zero (0).

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	322	No BMPs Proposed		
2	217	No BMPs Proposed		
3	351	No BMPs Proposed		
4	352	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Slopes Prone to Erosion[4]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	40.18	104.48	TBD
1	49.94	84.81	TBD
20	24.40	24.80	TBD
20	25.51	30.75	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,4,5]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the Big River Watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Big River Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified four slopes in the Big River Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Three SHOPP projects (PID, PAED, and/or PS&E) are planned in the Big River Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Big River Sediment TMDL

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available since there are no BMP proposed in this watershed.

Compliance Units Achieved[6]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Big River TMDL for Sediment Staff Report* (2011); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[5] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[6] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Cache Creek, Bear Creek, Sulphur Creek and Harley Gulch Mercury TMDL

Caltrans District	1
RWQCB Number	5
TMDL Watershed Area (acres)	745,640
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,468
Percent of Caltrans ROW in TMDL Watershed	0.2%
TMDL Pollutant	Mercury

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Methylmercury	There are no point sources in these watersheds; therefore there is no waste load allocation specific to Caltrans.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	Tributary Drainage Area in Caltrans ROW (acres)[4]
1	224	Biofiltration Swale	1	4.1
		Infiltration Basin	6	Unknown
		Traction Sand Trap	8	Unknown
2	54	Infiltration Basin	2	Unknown
		Traction Sand Trap	1	Unknown
3	145	No BMPs Proposed		
4	293	No BMPs Proposed		
5	327	No BMPs Proposed		
6	99	No BMPs Proposed		
7	306	No BMPs Proposed		
8	285	Biofiltration Strip	3	1.5
9	207	No BMPs Proposed		

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Strip	75%
Biofiltration Swale	48%
Infiltration Basin	100%
Traction Sand Trap	60%

Cache Creek, Bear Creek, Sulphur Creek and Harley Gulch Mercury TMDL

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
16	1.30	1.70	TBD
16	3.10	3.30	TBD
16	4.20	4.30	TBD
16	5.00	6.00	TBD
20	1.00	2.00	TBD
20	0.00	5.00	TBD
20	5.00	10.50	TBD
20	0.00	46.10	TBD
20	10.00	21.60	TBD
175	6.75	6.80	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Methylmercury	Caltrans is expected to be in compliance with the methylmercury waste load allocation in the Cache Creek, Bear Creek, Sulphur Creek and Harley Gulch watersheds. Caltrans controls the discharge of methylmercury through the control of sediment. Caltrans implements appropriate control measures to reduce the discharge of methylmercury, such as physical structures that prevent contaminated runoff from reaching receiving waters. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Cache Creek, Bear Creek, Sulphur Creek and Harley Gulch watersheds by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified ten slopes in the Cache Creek, Bear Creek, Sulphur Creek and Harley Gulch watersheds which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Twelve SHOPP projects (PID, PAED, and/or PS&E) are planned in the Cache Creek, Bear Creek, Sulphur Creek, and Harley Gulch watersheds that include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	0.42

Compliance Units Achieved[9]
0

Total Area Treated (acres)[10]
5.6

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Source: *Cache Creek, Bear Creek, Sulphur Creek and Harley Gulch TMDL for Mercury Staff Report* (2004); *Resolution No.* R5-2005-1046; and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Calleguas Creek, its Tributaries and Mugu Lagoon Metals and Selenium TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	220,214
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,111
Percent of Caltrans ROW in TMDL Watershed	0.5%
TMDL Pollutants	Metals and Selenium

Waste Load Allocations (WLAs)[2]						
Pollutant	Final Watershed Dry-Weather WLAs					
	Calleguas and Conejo Creek			Revolon Slough		
	Low Flow	Average Flow	Elevated Flow	Low Flow	Average Flow	Elevated Flow
Copper (Cu) (lbs/day)	0.04	0.16	0.24	0.02	0.03	0.11
Nickel (Ni) (lbs/day)	0.10	0.12	0.44	0.050	0.069	0.116
Selenium (Se) (lbs/day)	Not Developed			0.004	0.003	0.004
Pollutant	Final Watershed Wet-Weather WLAs					
	Calleguas and Conejo Creek			Revolon Slough		
	WLA Equation		Calculated WLA (lb/day)	WLA Equation		Calculated WLA (lb/day)
Cu	(0.00054*daily storm volume (cfs) ^2*0.032*daily storm volume (cfs)-0.17)*WER-0.06		2.3	(0.0002*daily storm volume (cfs) + 0.0005*daily storm volume (cfs)*WER		0.01
Ni	0.014*daily storm volume (cfs) ^2+0.82*daily storm volume (cfs)		23	0.027 * daily storm volume (cfs) ^2+0.47* daily storm volume (cfs)		22
Se	Not developed and not on 303 (d) list.			0.027 * daily storm volume (cfs) ^2+0.47* daily storm volume (cfs)		22
Pollutant	Watershed WLA for Mercury in Suspended Sediment					
Flow Range	Calleguas Creek		Revolon Slough			
	Interim (lbs/day)	Final (lbs/day)	Interim (lbs/day)		Final (lbs/day)	
0-15,000 MGY	3.3	0.4	1.7		0.1	
15,000-25,000 MGY	10.5	9.3	10.2		0.7	
Above 25,000 MGY	64.4				1.8	

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	182	No BMPs Proposed		
2	178	Biofiltration Strip	1	4.5
		Biofiltration Swale	7	21
		Detention Basin	1	Unknown
		Infiltration Trench	1	1.0
3	175	Austin Sand Filter	2	1.0
		Biofiltration Strip	14	31
		Biofiltration Swale	25	25
		Infiltration Trench	3	2.9
4	159	No BMPs Proposed		
5	154	Biofiltration Swale	17	48
6	152	Austin Sand Filter	17	48
		Biofiltration Strip	11	59
		Biofiltration Swale	46	155
		Gross Solids Removal Device	4	7.4
		Infiltration Basin	1	2.8

BMP Effectiveness[5]			
Treatment BMP Type	Total Copper	Nickel	Selenium
Austin Sand Filter	83%	Not available due to unknown event mean concentration highway runoff data for nickel and selenium.	
Biofiltration Strip	86%		
Biofiltration Swale	69%		
Detention Basin	68%		
Infiltration Trench	100%		
Gross Solids Removal Device (GSRD)	100%		

Calleguas Creek, its Tributaries and Mugu Lagoon Metals and Selenium TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Metals (Total Cu, and Ni)	Caltrans is in compliance with metals (Cu, Ni) waste load allocations for dry-weather in the Calleguas Creek, its tributaries and Mugu Lagoon watersheds, since Caltrans does not contribute any dry-weather discharge from its ROW. Caltrans is in compliance with copper and nickel waste load allocations for wet-weather in the Calleguas Creek, its tributaries and Mugu Lagoon watersheds. Monitoring data shows concentrations of copper did not exceed WLAs. Cooperative monitoring results for compliance analysis demonstrates that for the most part, the Calleguas Creek Watershed is in compliance with applicable metal WLAs. One source of metals in the watershed is from waste water treatment plants. According to the State Water Resources Control Board's Annual Performance Report, the Water Quality Report Card for Calleguas Creek indicates that metal discharges from waste water treatment plants are well below the required interim waste load allocations. The report additionally states that the water quality data for Mugu Lagoon and Calleguas Creek Reaches 2 and 3 (Calleguas Creek and Revolon Slough) are consistently below TMDL targets for copper and nickel.
Selenium	Caltrans is in compliance with selenium waste load allocations for dry-weather in the Calleguas Creek, its tributaries and Mugu Lagoon watersheds, since Caltrans does not contribute any dry-weather discharge from its ROW. Onee of the major sources of selenium in the watershed is from waste water treatment plants. According to the State Water Resources Control Board's *Annual Performance Report,* the Water Quality Report Card for Calleguas Creek indicates that selenium discharges from waste water treatment plants are well below the required interim waste load allocations.
Additional measures to achieve WLAs for all pollutants	Caltrans implements appropriate control measures to reduce the discharge of dissolved fraction metals, such as physical structures that prevent contaminated runoff from reaching receiving waters. As additional measures, Caltrans reduces the sediment transport of metals by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the Calleguas Creek, its tributaries and Mugu Lagoon watersheds by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems are inspected on an as-needed basis. Caltrans implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Ten SHOPP projects (PID, PAED, and/or PS&E) are planned in the Calleguas Creek, its tributaries and Mugu Lagoon watersheds that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutant?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,7]	
Pollutant	Removed (lb/day)
Total Copper	0.49
Nickel	Not available due to unknown event mean concentration highway runoff data for nickel and selenium.
Selenium	

Compliance Units Achieved[8]
99

Total Area Treated (acres)[9]
406

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Calleguas Creek Watershed Metals and Selenium TMDL Staff Report* (2006); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *TMDL Implementation Plan* (January 2015); State Water Resources Control Board's *Annual Performance Report* Fiscal Year 2015-2016; and *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[8] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[9] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Calleguas Creek and Mugu Lagoon Organochlorine Pesticides, Polychlorinated Biphenyls, and Siltation TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	220,214
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,111
Percent of Caltrans ROW in TMDL Watershed	0.5%
TMDL Pollutants	Organochlorine Pesticides, PCBs, and Siltation

Waste Load Allocations (WLAs)[2]						
Pollutant	Final Watershed WLA as an In-stream Annual Average (ng/g)					
	Mugu Lagoon	Calleguas Creek	Revolon Slough	Arroyo Las Posas	Arroyo Simi	Conejo Creek
Total Chlordane	3.3	3.3	0.9	3.3	3.3	3.3
4,4-DDD	2	2	2	2	2	2
4,4-DDE	2.2	1.4	1.4	1.4	1.4	1.4
4,4-DDT	0.3	0.3	0.3	0.3	0.3	0.3
Dieldrin	4.3	0.2	0.1	0.2	0.2	0.2
Total PCBs	180	120	130	120	120	120
Toxaphene	360	0.6	1	0.6	0.6	0.6
Pollutant	MS4 WLA					
	tons/year			kg/year		
Siltation	2,496			2,264,333		

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	182	No BMPs Proposed		
2	178	Biofiltration Strip	1	4.5
		Biofiltration Swale	7	21
		Detention Basin	1	Unknown
		Infiltration Trench	1	1.0
3	175	Austin Sand Filter	2	1.0
		Biofiltration Strip	14	31
		Biofiltration Swale	25	25
		Infiltration Trench	3	2.9
4	159	No BMPs Proposed		
5	154	Biofiltration Swale	17	48
6	152	Austin Sand Filter	17	48
		Biofiltration Strip	11	59
		Biofiltration Swale	46	155
		Gross Solids Removal Device	4	7.4
		Infiltration Basin	1	2.8

Calleguas Creek and Mugu Lagoon Organochlorine Pesticides, Polychlorinated Biphenyls, and Siltation TMDL

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Austin Sand Filter	93%
Biofiltration Strip	75%
Biofiltration Swale	48%
Detention Basin	68%
Infiltration Basin	100%
Infiltration Trench	100%

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	0.00	59.90	TBD
1	9.78	62.87	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Organochlorine Pesticides	Caltrans is expected to be in compliance with the organochlorine pesticides waste load allocations in the Calleguas Creek watershed since their usage has been regulated. Additionally, Caltrans does not use organochlorine pesticides within its ROW. Monitoring results show no exceedances of the interim waste load allocations for organochlorine pesticides. Although Caltrans does not use pesticides within its ROW, Caltrans complies with Provision E.2.h.3)b) of the Permit which specifies practices for the safe handling and use of pesticides, including compliance with federal, state and local regulations, and label directions. Caltrans is also required to perform site assessments, applicator training, and implementation of integrated pest and vegetation management practices when using pesticides in order to prevent pesticide discharge in storm water runoff in the Calleguas Creek watershed. A major source of pesticide impairments in the Calleguas Creek watershed is due to historical loading from the pollutants adhering to sediment. As an additional mitigation measure, Caltrans reduces the sediment transport of organochlorine pesticides by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the Calleguas Creek watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
PCBs	Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the Calleguas Creek watershed. Additionally, Caltrans does not use PCBs within its ROW. Therefore, Caltrans is expected to be in compliance with PCBs waste load allocations in the Calleguas Creek watershed. Monitoring results show no exceedances of the interim waste load allocations for PCBs. Toxic pollutants have a high affinity for adherence to fine sediment. A major source of PCB impairments in the Calleguas Creek watershed is due to historical loading from the pollutants adhering to sediment. Therefore, the appropriate control measures for toxic pollutants are to control erosion and prevent or minimize the discharge of fine sediment.
Siltation	Caltrans is expected to be in compliance with siltation waste load allocations in the Calleguas Creek watershed. Caltrans controls siltation through the control of sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Calleguas Creek watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Additional Measures to Achieve WLAs for All Pollutants	Caltrans implements and maintains structural BMPs to mitigate sediment in the Calleguas Creek watershed. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified two slopes in the Calleguas Creek watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Nine SHOPP projects (PID, PAED, and/or PS&E) are planned in the Calleguas Creek watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutant?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Calleguas Creek and Mugu Lagoon Organochlorine Pesticides, Polychlorinated Biphenyls, and Siltation TMDL

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	13,707

Compliance Units Achieved[9]
77

Total Area Treated (acres)[10]
406

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Callegaus Creek Watershed OC Pesticides and PCBs TMDL Technical Report* (2005); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009),

[6] Sources: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Sources: Caltrans *TMDL Implementation Plan* (January 2015); State Water Resources Control Board's *Annual Performance Report* Fiscal Year 2015-2016; and Caltrans *Monitoring Results Report: Fiscal Year 2014-2015.*

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Chollas Creek Diazinon TMDL

Caltrans District	11
RWQCB Number	9
TMDL Watershed Area (acres)	18,120
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	446
Percent of Caltrans ROW in TMDL Watershed	2.5%
TMDL Pollutant	Diazinon

Waste Load Allocations (WLAs)[2]		
Pollutant	Exposure Duration	Watershed WLA
Diazinon	Acute (1 hour average)	0.07 µg/L
	Chronic (4 day average)	0.05 µg/L

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	145	Austin Sand Filter	1	2.1
		Biofiltration Swale	4	10
		Infiltration Basin	2	Unknown
		Infiltration Trench	11	68
2	141	Biofiltration Strip	1	1.0
		Biofiltration Swale	3	6.0

BMP Effectiveness[5]
Not available due to unknown event mean concentration highway runoff data for diazinon.

Progress Towards Achieving WLAs and Performance Standards[2,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Diazinon	Caltrans is in compliance with the diazinon waste load allocation in the Chollas Creek watershed. Diazinon is a pesticide used in agriculture, and Caltrans policy is to not use diazinon within its ROW. Additionally, Caltrans' Integrated Pest Management Plan has an ecosystem-based strategy that focuses on long-term control of pests or their damage through a combination of techniques, such as biological controls, habitat manipulation, modification of cultural practices, and use of pest resistant plant varieties. Monitoring results show that diazinon concentrations have shown statistically significant decreasing trends. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Four SHOPP projects (PID, PAED, and/or PS&E) are planned in the Chollas Creek Watershed that will include treatment BMPs. According to the State Water Resources Control Board's Annual Performance Report, the Water Quality Report Card for Chollas Creek shows significant reductions in diazinon loading from San Diego's municipal storm water conveyance system.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal
Not available due to unknown event mean concentration highway runoff data for diazinon.

Compliance Units Achieved[7]
43

Total Area Treated (acres)[8]
87

Chollas Creek Diazinon TMDL

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Diazinon in Chollas Creek Watershed Staff Report* (2002); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *TMDL Implementation Plan* (January 2015); State Water Resources Control Board's *Annual Performance Reports* Fiscal Year 2014-2015, and Fiscal Year 2015-2016; *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; and Caltrans *Monitoring Results Report: Fiscal Year 2014-2015*.

[7] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[8] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Chollas Creek Dissolved Copper, Lead and Zinc TMDL

Caltrans District	11
RWQCB Number	9
TMDL Watershed Area (acres)	18,120
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	446
Percent of Caltrans ROW in TMDL Watershed	2.5%
TMDL Pollutants	Dissolved Copper, Lead, Zinc

Waste Load Allocations (WLAs)[2,3]				
Pollutant	Watershed WLA			
	Acute Conditions		Chronic Conditions	
	One-Hour Average= Loading Capacity * Margin of Safety	Calculated Load Capacity (µg/L)	Four-Day Average= Loading Capacity * Margin of Safety	Calculated Load Capacity (µg/L)
Dissolved Copper (Cu)	(0.96) * {e^[0.9422 * ln(hardness) – 1.700]}*0.9	23	(0.96) * {e^[0.8545 * ln (hardness) - 1.702]}*0.9	14
Dissolved Lead (Pb)	{1.46203 – [0.145712 * ln(hardness]} * {e^[1.273 * ln(hardness) – 1.460]}*0.9	105	[1.46203 – 0.145712 * ln (hardness)] * {e^[{1.273 * ln (hardness)} - 4.705]} * 0.9	4
Dissolved Zinc (Zn)	(0.978) * {e^[0.8473 * ln(hardness) + 0.884]} *0.9	190	(0.986) * {e^[0.8473 * ln (hardness) + 0.884]}*0.9	191
Note: There is a 20% allowable percentage of exceedances of the waste load allocations until 2018. By 2028, there will be no allowable exceedances of the WLAs.				

Best Management Practices (BMPs)[4]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[5]
1	146	Austin Sand Filter	1	2.1
		Biofiltration Swale	4	10
		Infiltration Basin	2	Unknown
		Infiltration Trench	11	68
2	142	Biofiltration Strip	1	1.0
		Biofiltration Swale	3	6.0

BMP Effectiveness[6]			
Treatment BMP Type	Dissolved Cu	Dissolved Pb	Dissolved Zn
Austin Sand Filter	14%	62%	64%
Biofiltration Strip	60%	69%	53%
Biofiltration Swale	24%	-17%	50%
Infiltration Basin	100%	100%	100%
Infiltration Trench	100%	100%	100%

Chollas Creek Dissolved Copper, Lead and Zinc TMDL

Progress Towards Achieving WLAs and Performance Standards[2,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Dissolved Copper, Lead, and Zinc	Caltrans is in compliance with dissolved metals (Cu, Pb, Zn) waste load allocations for dry-weather in the Chollas Creek watershed, since Caltrans does not contribute any dry-weather discharge from its ROW. Caltrans is in compliance with dissolved lead and zinc for wet-weather in the Chollas Creek watershed. Monitoring results show that dissolved zinc and lead have been below water quality objectives. According to the State Water Resources Control Board's Annual Performance Report, the Water Quality Report Card for Chollas Creek indicates that lead concentrations do not generally exceed water quality objectives for acute and chronic toxicity. Caltrans is not in compliance with dissolved copper for wet-weather in the Chollas Creek watershed, but is making progress towards compliance. Caltrans implements appropriate control measures to reduce the discharge of dissolved fraction metals, such as physical structures to prevent contaminated runoff from reaching receiving waters. Monitoring results show that dissolved copper has generally been above both acute and chronic water quality objectives. Metals have a high affinity for adhering to fine sediment and controlling the discharge of fine sediment can effectively mitigate metals in water. Caltrans implements control measures to minimize erosion and sediment discharge in the Chollas Creek watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems are inspected on an as-needed basis. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. For additional pollutant control, Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Four SHOPP projects (PID, PAED, and/or PS&E) are planned in the Chollas Creek watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutant?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Quantification of Pollutant Removal[6,8]	
Pollutant	Removed (kg/year)
Dissolved Cu	0.54
Dissolved Pb	0.07
Dissolved Zn	2.5

Compliance Units Achieved[9]
43

Total Area Treated (acres)[10]
87

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Dissolved Copper, Lead, and Zinc in Chollas Creek, Tributary to San Diego Bay Staff Report* (2007); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Calculated WLAs are based on mean total hardness values as found in Appendix G of the *TMDL for Dissolved Copper, Lead, and Zinc in Chollas Creek, Tributary to San Diego Bay Staff Report* (2007).

[4] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[5] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[6] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[7] Sources: Caltrans *TMDL Implementation Plan* (January 2015); Caltrans *Annual Report* Fiscal Year 2014-2015; State Water Resources Control Board's *Annual Performance Report* Fiscal Year 2015/2016; *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; and Caltrans *Monitoring Results Report: Fiscal Year 2014-2015.*

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Clear Lake Nutrients TMDL

Caltrans District	1
RWQCB Number	5
TMDL Watershed Area (acres)	337,184
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	845
Percent of Caltrans ROW in TMDL Watershed	0.25%
TMDL Pollutant	Nutrients (Phosphorus)

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA (kg/year)
Phosphorus	100

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area in Caltrans ROW (acres)[4]
1	46	No BMPs Proposed		
2	42	No BMPs Proposed		
3	80	Biofiltration Strip	3	1.5
4	79	No BMPs Proposed		

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Strip	75%

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
20	24.40	24.80	TBD
20	25.51	30.75	TBD
175	6.75	6.80	TBD
175	8.50	8.87	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Clear Lake Nutrients TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Nutrients (Phosphorus)	Caltrans is expected to be in compliance with the phosphorus waste load allocation in the Clear Lake watershed, since Caltrans has an agreement with the Regional Water Quality Control Board that Caltrans maintenance practices will be used to achieve compliance. Caltrans controls the discharge of phosphorus through the control of sediment. Caltrans implements and maintains structural BMPs to mitigate sediment in the Clear Lake watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Clear Lake watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified four slopes in the Clear Lake watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Eight SHOPP projects (PID, PAED, and/or PS&E) are planned in the Clear Lake watershed that include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[8]	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	101

Compliance Units Achieved[9]
0

Total Area Treated (acres)[10]
1.5

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Amendment to The WQCP for the Sacramento River and San Joaquin River Basins for The Control of Nutrients in Clear Lake Staff Report June* (2006); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Source: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Coachella Valley Storm Water Channel Bacterial Indicators TMDL

Caltrans District	8
RWQCB Number	7
TMDL Watershed Area (acres)	540,057
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,368
Percent of Caltrans ROW in TMDL Watershed	0.25%
TMDL Pollutant	Bacterial Indicators (E. coli)

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Bacterial Indicators (E. Coli)	The log mean (Geomean) of samples collected shall not exceed 126 MPN/100 ml (based on a minimum of not less than five samples during a 30-day period), or 400 MPN/100 ml for a single sample.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	288	Infiltration Basin	1	Unknown
Source Controls[5]				
Clean-Up of Illegal Dumping	Illegal dumping is prohibited by state and local laws and is enforced by the California Highway Patrol (CHP) and local law enforcement agencies. Caltrans relies on CHP and Caltrans staff to investigate and resolve reports of suspected illegal connections and illicit discharges. Caltrans has trained in-house and contract hazardous response staff to manage and clean up spills.			
Prohibition of Non-Storm water Discharges	Caltrans prohibits non-storm water discharges to the municipal separate storm sewer (MS4) system and reduces pollution caused by wastes associated with non-storm water discharges to the maximum extent practicable. Caltrans implements BMPs through their construction, design and maintenance divisions to control non-storm water pollutants.			
Public Education on Littering	Caltrans partners with various organizations at both the state and local levels, focusing on educating and motivating the public to modify peoples' behavior regarding stormwater pollution. District NPDES Coordinators will coordinate with the District's Public Information Officer to educate the public about stormwater pollution. Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year. Caltrans staff volunteers collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign through their "Protect Every Drop" campaign, which addresses key actions the public can take to properly dispose of trash and pollutants.			
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces, which removes tracked sediment and other materials to prevent them from entering a storm drain or watercourse.			

BMP Effectiveness[6]	
Treatment BMP Type	Removal Efficiencies
Infiltration Basin	100%

Coachella Valley Storm Water Channel Bacterial Indicators TMDL

Progress Towards Achieving WLAs and Performance Standards[2,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Bacterial Indicators (E. Coli)	Caltrans is in compliance with bacterial indicators waste load allocations for dry-weather flows in the Coachella Valley Storm Water Channel watershed, since Caltrans does not contribute any dry-weather discharge from its ROW. Caltrans is in compliance with bacterial indicators waste load allocations for wet-weather flows in the Coachella Valley Storm Water Channel watershed. Monitoring results conclude that it is highly unlikely that Caltrans facilities represented by the monitoring sites have been responsible for contributing bacteria to the Coachella Valley Storm Water Channel due to not enough runoff reaching the channel. Caltrans minimizes wet-weather discharges from its ROW into receiving waterbodies impaired for bacteria by implementing treatment BMPs and source control/preemptive activities such as street sweeping, clean-up of illegal dumping, prohibition of non-storm water discharges, and public education on littering as described above. As an additional pollutant control measure, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Two SHOPP projects (PID, PAED, and/or PS&E) are planned in the Coachella Valley Storm Water Channel watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed
Bacterial Indicators (E. Coli)	Not available due to unknown BMP tributary drainage area.

Compliance Units Achieved[8]
0

Total Area Treated (acres)[9]
Not available due to unknown BMP tributary drainage area.

Notes:

[1] ROW area includes impervious and pervious areas.The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL and Implementation Plan for Bacterial Indicators Coachella Valley Stormwater Channel Staff Report* (2007); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *Statewide Storm Water Management Plan* (2016); and Caltrans *TMDL Implementation Plan* (January 2015).

[6] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004).

[7] Sources: Caltrans *TMDL Implementation Plan* (January 2015); *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; and Caltrans *Monitoring Results Report: Fiscal Year 2015-2016.*

[8] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[9] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Colorado Lagoon Organochlorine Pesticides, PCBs, Sediment Toxicity, PAHs, and Metals TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	1,104
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	13
Percent of Caltrans ROW in TMDL Watershed	1.2%
TMDL Pollutants	Organochlorine Pesticides, PCBs, Sediment Toxicity, PAHs, and Metals (Pb & Zn)

Waste Load Allocations (WLAs)[2]		
Pollutant	Final Mass-based WLAs (mg/year)	
Total PAHs	29,321.5	Mass-based WLAs for sediment are assigned to Caltrans and The City of Long Beach.
Total PCBs	165.49	
Total Chlordane	3.65	
Total DDTs	11.53	
Dieldrin	0.15	
Lead	340,456	
Zinc	1,093,541.72	
Pollutant	Final Concentration-based WLAs (µg/dry kg of sediment)	
Total PAHs	4,022	Concentration-based waste load allocations for sediment are assigned to MS4 permittees including The City of Long Beach, Los Angeles County Flood Control District, and Caltrans. Concentration-based waste load allocations are pollutant concentrations within sediment.
Total PCBs	22.7	
Total Chlordane	0.50	
Total DDTs	1.58	
Dieldrin	0.02	
Lead	46,700	
Zinc	150,000	

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	279	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Slopes Prone to Erosion[4]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	0.00	59.90	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Colorado Lagoon Organochlorine Pesticides, PCBs, Sediment Toxicity, PAHs, and Metals TMDL

Progress Towards Achieving WLAs and Performance Standards[2,4,5]	
Will the control measures be sufficient to achieve WLAs by 2034?	
PAHs and PCBs	Although Caltrans does not use pesticides within its ROW, minimal usage of herbicides occur within its ROW and may contain PAHs. However, PAHs have been regulated and their usage is minimal. Therefore, Caltrans is expected to be in compliance with PAHs waste load allocations in the Colorado Lagoon watershed. Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the Colorado Lagoon watershed. Additionally, Caltrans does not use PCBs within its ROW. Therefore, Caltrans is expected to be in compliance with PCBs waste load allocations in the Colorado Lagoon watershed. Toxic pollutants have a high affinity for adherence to fine sediment. Therefore the appropriate control measures for toxics are to control erosion and prevent or minimize the discharge of fine sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Colorado Lagoon watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Organochlorine Pesticides (Chlordane, DDTs, and Dieldrin)	Caltrans is expected to be in compliance with chlordane, DDTs, and dieldrin waste load allocations in the Colorado Lagoon watershed since chlordane, DDTs, and dieldrin are no longer in production and their usage has been regulated. Additionally, Caltrans does not use chlordane, DDTs, or dieldrin within its ROW. Although Caltrans does not use pesticides within its ROW, Caltrans complies with Provision E.2.h.3)b) of the Permit which specifies practices for the safe handling and use of pesticides, including compliance with federal, State and local regulations, and label directions. Caltrans is also required to perform site assessments, applicator training, and implementation of integrated pest and vegetation management practices when using pesticides in order to prevent pesticide discharge in storm water runoff in the Colorado Lagoon watershed. As an additional mitigation measure, Caltrans reduces the sediment transport of chlordane, DDTs, and dieldrin by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the Colorado Lagoon watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Lead and Zinc	Caltrans is expected to be in compliance with lead and zinc waste load allocations in the Colorado Lagoon watershed. Heavy metals have a high affinity for adherence to fine sediment. Therefore, the appropriate control measures for heavy metals are to control erosion and prevent or minimize the discharge of fine sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Colorado Lagoon watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Additional Measures to Achieve WLAs for All Pollutants	Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified one slope in the Colorado Lagoon watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Additionally, Caltrans implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. One SHOPP project (PID, PAED, and/or PS&E) are planned in the Colorado Lagoon watershed that include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quanitity Removed (kg/year)
Not available since there are no BMPs proposed in this watershed.	

Compliance Units Achieved[6]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Colorado Lagoon OC Pesticides, PCBs, Sediment Toxicity, and PAHS, and Metals TMDL Staff Report* (2009); Attachment A to Resolution No. R09-005; and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[5] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[6] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

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Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants: Metals (Cu, Pb, Zn), DDT, PAHs, and PCBs TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	76,242
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,442
Percent of Caltrans ROW in TMDL Watershed	1.9%
TMDL Pollutants	Toxic Pollutants: Metals (Cu, Pb, Zn), DDT, PAHs, and PCBs

Waste Load Allocations (WLAs)[2]

Waterbody	**Watershed Wet-Weather Concentration-Based Sediment WLAs**		
	Metals		
	Cadmium (mg/kg dry sediment)	**Chromium (mg/kg dry sediment)**	**Mercury (mg/kg dry sediment)**
Dominguez Channel Estuary	1.2	-	-
Fish Harbor	-	-	0.15

Waterbody	**Caltrans Final Wet-Weather Mass-Based WLAs**		
	Metals		
	Total Copper (g/day)	**Total Lead (g/day)**	**Total Zinc (g/day)**
Dominguez Channel	32.3	142.6	232.6

	Total Copper (g/day)		**Total Lead (g/day)**		**Total Zinc (g/day)**	
Torrance Lateral	Water (µg/L, unfiltered)	Sediment (mg/kg, dry)	Water (µg/L, unfiltered)	Sediment (mg/kg, dry)	Water (µg/L, unfiltered)	Sediment (mg/kg, dry)
	9.7	31.6	42.7	35.8	69.7	121
	Note: Sediment values are based on active sediment layer of 5cm depth.					

Waterbody	**Caltrans Final Dry and Wet-Weather Mass-Based WLAs**					
	Metals			**Toxics**		
	Total Copper (cu) (kg/year)	**Total Lead (Pb) (kg/year)**	**Total Zinc (Zn) (kg/year)**	**Total DDTs (g/year)**	**Total PAHs (kg/year)**	**Total PCBs (g/year)**
Dominguez Channel Estuary	0.384	0.93	4.7	0.004	0.0023	0.004
Consolidated Slip	0.043	0.058	0.5	0.00014	0.00009	0.00006
Inner Harbor	0.032	0.641	2.18	0.001	0.0017	0.0011
Outer Harbor	0.0018	0.052	0.162	0.00001	0.00021	0.00004
Fish Harbor	0.0000005	0.00175	0.0053	0.000001	0.000021	0.000006
Cabrillo Marina	0.00019	0.0028	0.007	0.00000028	0.0000016	2.4E-07
San Pedro Bay	0.88	2.39	9.29	0.002	0.077	0.019
Los Angeles River Estuary	5.1	9.5	34.8	0.014	0.333	0.047

Best Management Practices (BMPs)[3]

Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	169	Austin Sand Filter	1	4.2
		Biofiltration Swale	17	58
		Gross Solids Removal Devices	10	11
		Infiltration Trench	2	3.2
		DPP (Design Pollution Prevention)	1	0.44

2	150	Austin Sand Filter	11	42
		Biofiltration Strip	5	7.2
		Biofiltration Swale	37	143
		Detention Basin	1	13
		Gross Solids Removal Device	2	Unknown
		Infiltration Basin	2	12
		DPP (Design Pollution Prevention)	5	3.5
3	180	Austin Sand Filter	16	75
		Biofiltration Strip	6	31
		Biofiltration Swale	36	132
		Detention Basin	1	Unknown
		Gross Solids Removal Device	4	6.6
		Other	2	Unknown
		DPP (Design Pollution Prevention)	1	4.5

Slopes Prone to Erosion[5]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	0.00	59.90	TBD
1	9.78	62.87	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

BMP Effectiveness[6]				
Treatment BMP Type	Cu	Pb	Zn	Total Suspended Solids (TSS)
Austin Sand Filter	83%	92%	87%	93%
Biofiltration Strip	86%	88%	79%	75%
Biofiltration Swale	69%	62%	75%	48%
Detention Basin	68%	70%	63%	68%
Infiltration Basin	100%	100%	100%	100%
Infiltration Trench	100%	100%	100%	100%

Cooperative Implementation[7]		
Project Name	Project Description	Caltrans Contribution
Carriage Crest Water Capture Facility Project	The water will either be treated for irrigation uses on the park or be transferred to the nearby Joint Water Pollution Control Plant (JWPCP), where it would receive primary and secondary treatment and be available for a proposed advanced treatment facility to be operated by the Metropolitan Water District. Compliance units will not be claimed as of Fiscal Year 2016-2017, but will be claimed in the future.	$13,000,000

Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants: Metals (Cu, Pb, Zn), DDT, PAHs, and PCBs TMDL

Progress Towards Achieving WLAs and Performance Standards[2,5,7,8]	
Will the control measures be sufficient to achieve WLAs by 2034?	
DDTs	Caltrans is expected to be in compliance with DDT waste load allocations in the Dominguez Channel, Greater Los Angeles and Long Beach Harbor Waters watershed since DDTs are no longer in production and its usage has been regulated. Additionally, Caltrans does not use DDTs within its ROW. Although Caltrans does not use pesticides within its ROW, Caltrans complies with Provision E.2.h.3)b) of the Permit which specifies practices for the safe handling and use of pesticides, including compliance with federal, State and local regulations, and label directions. Caltrans is also required to perform site assessments, applicator training, and implementation of integrated pest and vegetation management practices when using pesticides in order to prevent pesticide discharge in storm water runoff in the Dominguez Channel, Greater Los Angeles and Long Beach Harbor Waters watershed. As an additional mitigation measure, Caltrans reduces the sediment transport of DDTs by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the Dominguez Channel, Greater Los Angeles and Long Beach Harbor Waters by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Metals (Cu, Pb, Zn)	Caltrans is in compliance with metals (Cu, Pb, Zn) waste load allocations for dry-weather in the Dominguez Channel, Greater Los Angeles and Long Beach Harbor Waters, since Caltrans does not contibute any dry-weather discharge from its ROW. Caltrans is not in compliance with metals (Cu, Pb, Zn) waste load allocations for wet-weather in the Dominguez Channel, Greater Los Angeles and Long Beach Harbor Waters but is making progress towards compliance. Caltrans implements appropriate control measures to reduce the discharge of dissolved fraction metals, such as physical structures that prevent contaminated runoff from reaching receiving waters. Metals have a high affinity for adhering to fine sediment and controlling the discharge of fine sediment can effectively mitigate metals in water. Caltrans implements control measures to minimize erosion and sediment discharge in the Dominguez Channel, Greater Los Angeles and Long Beach Harbor watersheds by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
PAHs and PCBs	Although Caltrans does not use pesticides within its ROW, minimal usage of herbicides occur within its ROW and may contain PAHs. However, PAHs have been regulated and their usage is minimal. Therefore, Caltrans is expected to be in compliance with PAHs waste load allocations in the Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters watershed. Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters watershed. Additionally, Caltrans does not use PCBs within its ROW. Therefore, Caltrans is expected to be in compliance with PCBs waste load allocations in the Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters watershed. Toxic pollutants have a high affinity for adherence to fine sediment. Therefore the appropriate control measures for toxics are to control erosion and prevent or minimize the discharge of fine sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Additional Measures to Achieve WLA for ALL Pollutants	Caltrans implements and maintains structural BMPs to mitigate sediment in the Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters watershed. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified two slopes in the Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Additionally, Caltrans participates and funds cooperative implementation efforts within the Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters watershed in order to further mitigate the discharge of metals, DDT, PAHs, and PCBs into the watershed. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Thirty-one SHOPP projects (PID, PAED, and/or PS&E) are planned in the Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants: Metals (Cu, Pb, Zn), DDT, PAHs, and PCBs TMDL

Quantification of Pollutant Removal [6,9]	
Pollutant	Quantity Removed (kg/year)
Total Cu	7.5
Total Pb	5.3
Total Zn	41
Total Suspended Solids (TSS)	16,663

Compliance Units Achieved[10]
197

Total Area Treated (acres)[11]
546

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources*: Dominguez Channel and Greater Los Angeles and Long Beach Harbor Waters Toxic Pollutants Total Maximum Daily Loads Staff Report* (2011); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[6] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[7] Source: *Cooperative Implementation Agreement for the Carriage Crest Water Capture Facility Project* (April 21, 2016).

[8] Sources: Caltrans *TMDL Implementation Plan* (January 2015); *and Enhanced Watershed Management Program for the Dominguez Channel Watershed Management Area Group* (March 2015).

[9] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[10] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[11] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Garcia River Sediment TMDL

Caltrans District	1
RWQCB Number	1
TMDL Watershed Area (acres)	73,276
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	22
Percent of Caltrans ROW in TMDL Watershed	0.03%
TMDL Pollutant	Sediment

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Sediment	The waste load allocation is zero (0) for "controllable" anthropogenic discharges of sediment, including those associated with roads, since all controllable discharges of sediment from roadways are prohibited. Therefore, Caltrans waste load allocation is zero (0).

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	319	No BMPs Proposed		
2	373	No BMPs Proposed		
3	379	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Progress Towards Achieving WLAs and Performance Standards[2,4]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the Garcia River watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Garcia River watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems are inspected on an as-needed basis. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Two SHOPP projects (PID, PAED, and/or PS&E) are planned in the Garcia River watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[5]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Reference Document for the Garcia River Watershed Water Quality Attainment Action Plan for Sediment Staff Report* (2001); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; and Caltrans *TMDL Implementation Plan* (January 2015).

[5] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016 2017.

Gualala River Sediment TMDL

Caltrans District	1
RWQCB Number	1
TMDL Watershed Area (acres)	191,141
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	11
Percent of Caltrans ROW in TMDL Watershed	0.01%
TMDL Pollutant	Sediment

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Sediment	There are no point sources of sediment in the Gualala River Watershed. The waste load allocation for Caltrans is zero (0).

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	325	No BMPs Proposed		
2	373	No BMPs Proposed		
3	372	No BMPs Proposed		
4	376	No BMPs Proposed		
5	377	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Slopes Prone to Erosion[4]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	40.18	104.48	TBD
1	49.94	84.81	TBD
1	50.68	90.01	TBD
Caltrans has completed or will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Gualala River Sediment TMDL

Progress Towards Achieving WLAs and Performance Standards[2,4,5]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the Gualala River Watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Gualala Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified three slopes in the Gualala River Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. According to the State Water Resources Control Board's Annual Performance Report, the Water Quality Report Card for Gualala River shows conditions are improving in the Gualala River Watershed, as implementation actions have reduced sediment delivery and improved instream conditions and salmonid habitat. The report also states that streambed conditions are improving with 82% of monitoring sites showing reduced sediment deposition and 85% of resurveyed monitoring reaches showing streambed deepening. In the entire watershed, road projects on over 263 miles have also reduced sediment input by an estimated 500,000 tons. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. One SHOPP project (PID, PAED, and/or PS&E) is planned in the Gualala River watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[6]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Gualala River TMDL for Sediment Staff Report* (2002); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); and the State Water Resources Control Board's*Annual Performance Reports* Fiscal Year 2014-2015 and Fiscal Year 2015-2016.

[6] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Klamath River in California Temperature, Dissolved Oxygen, Nutrients, and Microcystin TMDL

Caltrans District	2
RWQCB Number	1
TMDL Watershed Area (acres)	6,406,004
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	5,410
Percent of Caltrans ROW in TMDL Watershed	0.08%
TMDL Pollutants	Temperature, Dissolved Oxygen, Nutrients, and Microcystin

Waste Load Allocations (WLAs)[2]		
Pollutant	Watershed WLA	
Temperature	Zero (0) increase above natural temperature.	
	Caltrans WLA	
	There is no temperature waste load allocations assigned specifically to Caltrans.	
Dissolved Oxygen, Nutrients (Total Phosphorus and Total Nitrogen), and Microcystin	Watershed WLA	
	Location	lbs
	Iron Gate Hatchery	0
	Note: The only waste load allocation assigned was for the Iron Gate Hatchery.	
	Caltrans WLA	
	There are no waste load allocations assigned specifically to Caltrans.	

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	227	No BMPs Proposed		
2	334	Biofiltration Strip	3	0.67
		Biofiltration Swale	2	9.2
3	332	Biofiltration Swale	1	12
		Traction Sand Trap	3	Unknown
4	345	No BMPs Proposed		
5	350	No BMPs Proposed		
6	362	No BMPs Proposed		
7	335	Detention Basin	1	Unknown
8	347	Biofiltration Swale	1	Unknown
		Detention Basin	1	Unknown
		Traction Sand Trap	1	Unknown
9	336	No BMPs Proposed		
10	341	No BMPs Proposed		
11	355	Other	16	65
		Traction Sand Trap	1	Unknown
12	333	Biofiltration Swale	1	Unknown
		Traction Sand Trap	19	Unknown
13	342	Traction Sand Trap	2	Unknown
14	349	No BMPs Proposed		
15	334	No BMPs Proposed		
16	359	No BMPs Proposed		
17	340	No BMPs Proposed		

18	337	Infiltration Basin	1	Unknown
		Traction Sand Trap	1	Unknown
19	330	Biofiltration Strip	14	Unknown
		Biofiltration Swale	17	Unknown
		Traction Sand Trap	1	Unknown
20	338	Biofiltration Strip	8	Unknown
		Detention Basin	1	Unknown
		Traction Sand Trap	3	Unknown
21	186	Biofiltration Strip	1	0.01
		DPPIA (Design Pollution Prevention Infiltration Area)	3	0.14
		Traction Sand Trap	1	Unknown
22	200	Infiltration Basin	1	Unknown
23	223	No BMPs Proposed		
24	356	No BMPs Proposed		
25	331	Infiltration Basin	1	Unknown
26	343	Infiltration Basin	1	Unknown
		Traction Sand Trap	1	Unknown

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Strips	75%
Biofiltration Swale	48%
Detention Basin	68%
DPPIA (Design Pollution Prevention Infiltration Area)	100%
Infiltration Basin	100%
Traction Sand Trap	60%

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
36	15.53	16.28	TBD
36	16.09	16.33	TBD
36	21.40	21.60	7/1/2023
36	22.07	22.57	TBD
36	31.75	31.95	1/1/2019
36	39.39	39.64	TBD
36	39.39	39.50	1/1/2019
96	3.50	17.45	TBD
96	4.00	4.50	TBD
96	7.80	8.00	TBD
96	16.15	17.76	TBD
96	18.62	19.12	TBD
96	28.87	30.36	TBD
96	29.00	29.77	TBD
96	30.23	33.84	TBD
96	41.54	44.03	TBD

96	42.76	42.77	TBD
101	1.05	1.11	TBD
101	2.01	3.89	12/1/2019
169	1.81	1.92	TBD
169	17.03	20.64	TBD
299	26.45	26.70	TBD
299	31.40	32.40	TBD
299	34.50	34.90	TBD
299	36.35	36.40	TBD
Caltrans will be scheduling stabilization of the remaining erosion prone areas to address TMDL requirements.			

Fish Passage Remediation[7]
As of December 2015, Caltrans has completed three fish passage remediation projects in the Klamath River watershed totaling approximately $5,000,000 and 43.2 compliance units.

Progress Towards Achieving WLAs and Performance Standards[2,6,7,8]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Temperature	Caltrans is expected to be in compliance with temperature waste load allocations by not altering the natural temperature. Caltrans preserves existing riparian biotic conditions immediately adjacent to, and provides effective shade near, receiving waters susceptible to temperature increases. Any alteration of riparian biotic conditions that may increase sedimentation or reduce effective shade requires that Caltrans obtain written authorization by the applicable RWQCB Executive Officer or designee prior to beginning work.
Dissolved Oxygen, Nutrients, and Microcystin	Caltrans is expected to be in compliance with dissolved oxygen, nutrients, and microcystin waste load allocations in the Klamath River watershed. Caltrans is expected to address nutrient inputs into the Klamath River watershed through the control of sediment from its road and highway facilities. Monitoring results show total settleable solids were not detected in any of the samples at any of the sample sites. Caltrans controls the discharge of nutrients through the control of sediment. Caltrans implements and maintains structural BMPs to mitigate dissolved oxygen, nutrients, and microcystin in the Klamath River watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Klamath River watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified 25 slopes in the Klamath River watershed which are prone to erosion, and stabilization of the identified slopes are scheduled for 1/1/2019, 12/1/2019 and 7/1/2023. All remaining slopes will be scheduled for stabilization. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Twenty-nine SHOPP projects (PID, PAED, and/or PS&E) are planned in the Klamath River watershed that include treatment BMPs.
Fish Passage Remediation	Caltrans is expected to be compliance with fish passage remediation requirements. Caltrans locates, assesses, and remediates barriers to fish passages. Caltrans has completed three fish passage remediation projects within the Klamath River watershed.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,9]	
Pollutant	Quantity Removed (lbs/year)
Total Suspended Solids (TSS)	1,644

Klamath River in California Temperature, Dissolved Oxygen, Nutrients, and Microcystin TMDL

Compliance Units Achieved[10]
62.7

Total Area Treated (acres)[11]
86

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Final Staff Report for the Klamath River TMDLs Addressing Temperature, Dissolved Oxygen, Nutrients and Microcystin Impairments in California the Proposed Site Specific Dissolved Oxygen Objectives for the Klamath River in California and the Klamath River and Lost River Implementation Plans* (2010); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Source: Caltrans *Fish Passage Report* to the Legislature (2015).

[8] Source: Caltrans *TMDL Implementation Plan* (January 2015); and Caltrans *Monitoring Results Report: Fiscal Year 2016-2017*.

[9] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[10] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[11] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Lake Elsinore and Canyon Lake Nutrients TMDL

Caltrans District	8
RWQCB Number	8
TMDL Watershed Area (acres)	483,883
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,540
Percent of Caltrans ROW in TMDL Watershed	0.32%
TMDL Pollutants	Total Phosphorus and Total Nitrogen

Waste Load Allocations (WLAs)[2]		
Pollutant	Watershed WLA	
	Canyon Lake	Lake Elsinore
Total Phosphorus	487 kg/year	3,845 kg/year
Total Nitrogen	6,248 kg/year	7,791 kg/year
Caltrans WLA (kg/year)		
There are no specific waste load allocations for total phosphorus and total nitrogen for Caltrans.		

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	248	Biofiltration Swale	10	15
		Detention Basin	5	Unknown
2	249	Biofiltration Strip	34	32
		Biofiltration Swale	59	48
		Detention Basin	4	Unknown
		DPPIA (Design Pollution Prevention Infiltration Area)	26	15
		Infiltration Basin	17	260
3	247	No BMPs Proposed		

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Strip	75%
Biofiltration Swale	48%
Detention Basin	68%
DPPIA (Design Pollution Prevention Infiltration Area)	100%
Infiltration Basin	100%

Lake Elsinore and Canyon Lake Nutrients TMDL

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
60	21.37	27.35	TBD
74	0.55	16.60	TBD
74	56.19	56.39	TBD
74	59.89	79.52	TBD
74	61.00	62.61	TBD
243	4.50	11.60	TBD
243	7.29	7.49	TBD
243	12.60	13.01	TBD
243	17.49	28.50	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Total Phosphorus and Total Nitrogen	There are no waste load allocations that are assigned specifically to Caltrans; however, Caltrans is expected to be in compliance with the total phosphorus and total nitrogen waste load allocations through the Lake Elsinore/Canyon Lake Nutrient TMDL Task Force with other responsible agencies. As part of the TMDL Task Force, water quality monitoring is performed, nutrient source assessment models have been updated, and additional studies are performed to better understand the impairments affecting Lake Elsinore and Canyon Lake. Additionally, aeration, alum applications, dredging, carp removal, and removal of nuisance vegetation are being performed to reduce the nutrient concentrations in the lakes. In addition to cooperation with the Task Force, Caltrans also controls the discharge of sediment to address nutrient impairments and continue to reduce nutrient loads from entering the lake. Caltrans implements and maintains structural BMPs to mitigate nutrients in the Lake Elsinore and Canyon Lake watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Lake Elsinore and Canyon Lake watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified nine slopes in the Lake Elsinore and Canyon Lake watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Nineteen SHOPP projects (PID, PAED, and/or PS&E) are planned in the Lake Elsinore and Canyon Lake watershed that include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	11,998

Compliance Units Achieved[9]
44

Lake Elsinore and Canyon Lake Nutrients TMDL

Total Area Treated (acres)[10]
370

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Lake Elsinore and Canyon Lake Nutrient TMDL Staff Report* (2004); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Source: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Sources: Caltrans *TMDL Implementation Plan* (January 2015).

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Lake Tahoe Sediment and Nutrients TMDL

Caltrans District	3
RWQCB Number	6
TMDL Watershed Area (acres)	233,585
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	538
Percent of Caltrans ROW in TMDL Watershed	0.23%
TMDL Pollutants	Sediment and Nutrients (Total Nitrogen and Total Phosphorus)

Waste Load Allocations (WLAs)[2,3]				
Pollutant	Caltrans WLA			
	Baseline Load	Milestone Load Reductions		Standard Attainment
	2004 Baseline Load Estimate (Metric Tons/Year)	September 30, 2016 (5 Years)	September 30, 2021 (10 Years)	September 30, 2076 (65 Years)
Fine Sediment Particles	271	10%	21%	71%
Total Nitrogen	0.78	8%	14%	50%
Total Phosphorus	2.7	7%	14%	46%
The load reduction requirements constitute the waste load allocations for Caltrans. For each milestone load reduction %, the baseline load must be reduced. The load reduction requirements have milestones every 5 years for a 65-year implementation period. The 5-year, 10-year, and standard attainment milestones are shown in the table above.				

Best Management Practices (BMPs)[4]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[5]
1	234	Austin Sand Filter	3	Unknown
		Biofiltration Swale	16	0.44
		Detention Basin	10	Unknown
		Infiltration Basin	51	Unknown
		Infiltration Trench	12	Unknown
		Other	11	Unknown
		Traction Sand Trap	628	5
2	240	Biofiltration Swale	7	2.2
		Detention Basin	13	Unknown
		Infiltration Basin	30	Unknown
		Infiltration Trench	9	Unknown
		Other	3	Unknown
		Traction Sand Trap	217	21
Source Controls and Additional Measures[3]				
Improved Road Operations				
Catchment Registration	Caltrans registered three segments of its catchments and it is anticipated that the catchments comprising the urban planning catchments that are registered will meet the first milestone according to the Pollutant Load Reduction Model.			
Credit Sharing	Caltrans entered into a Cooperative Agreement with the City of South Lake Tahoe to allocate the Lake Clarity Credits associated with the registration of the Bijou Area Erosion Control Project, Phase 1. Caltrans will receive approximately 40 Lake Clarity Credits annually until 2021.			

Improved Abrasive Specification	In 2013, Caltrans conducted an intensive four-year study of roadway traction abrasives to evaluate the potential for reducing the load fine sediment in stormwater runoff from its roadways by using alternative sources with lower fine sediment particle concentrations. In Fiscal Year 2012-2013, laboratory evaluations demonstrated that locally available abrasives contained on average 86% lower fine particle concentrations. In Fiscal Year 2013-2014, water quality monitoring indicated that there were 60% lower fine particle loads in areas where alternative abrasives were used. Caltrans uses an improved abrasive specification and alternative sources of road abrasive material for all roads in the Tahoe Basin. This specification is currently under revision, and will include a turbidity requirement and a lower percentage of fine sediment particles.
Increased Sweeping Frequency	Caltrans uses mechanical broom sweepers operating at the maximum sweeping frequency.
Pre-Season Preparation and Operator Training	Road operations that will be performed within the registered catchments include pre-season preparation and operator training. During the preparation and training period, systems are examined before the rainy season starts to make sure that routine maintenance is being performed and that the systems are working per manufacturer's specifications. Tailgate meetings are also held by the maintenance supervisors to ensure that field staff understands protocols, procedures, and strategies for optimizing de-icing and abrasives applications before major storm events.
Road Operations Registration and Road Condition Assessments	Caltrans anticipates remodeling the urban planning catchments and producing final load reduction estimates for catchment registration using the updated Pollutant Load Reduction Model, when it becomes available. Caltrans understands that the Pollutant Load Reduction Model will require users to enter baseline and expected road condition scores, where baseline conditions scores will be provided by Lahontan and expected road condition scores will be selected by Caltrans and monitored through road condition assessments. After the revised Stormwater Tools and supporting baseline road condition scores are provided, Caltrans will begin the process of modeling and supporting the information described above using the new tools and new information. Road condition assessments are performed and Caltrans implements an inspection program. Caltrans uses Road Rapid Assessment Methodology (RAM) procedures in the shoulder area of segments of roads.
Road Temperature Sensing	De-icing and abrasives application operations are directly impacted by pavement temperature. All Caltrans trucks and abrasives spreaders are equipped with temperature sensors which monitor highway and air temperatures to allow operators and maintenance staff to determine the most effective de-icing and abrasives application strategy and to make real-time adjustments to the application as conditions change.
Water Quality Improvement Projects (WQIPs)	There have been eight WQIPs completed through 2014, which included treatment control BMPs. As part of a WQIP, Caltrans performs maintenance for stormwater treatment BMPs installed. These operations include preventative maintenance, as well as regular maintenance indicators (inspections), inspection frequency (annual, semi-annual, seasonal), and required maintenance activities.

BMP Effectiveness[6]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Austin Sand Filter	93%
Biofiltration Swale	48%
Detention Basin	68%
Infiltration Basin	100%
Infiltration Trench	100%
Traction Sand Trap	60%

Slopes Prone to Erosion[7]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
28	0.00	11.00	TBD
50	66.48	70.00	TBD
89	0.00	6.00	TBD
89	6.00	29.50	TBD
89	0.00	8.50	TBD
89	8.50	21.60	TBD
89	0.00	8.70	TBD
89	0.00	27.40	TBD
267	6.60	9.80	TBD
Caltrans will be scheduling stabilization of the remaining erosion prone areas to address TMDL requirements.			

Lake Tahoe Sediment and Nutrients TMDL

Progress Towards Achieving WLAs and Performance Standards[2,7,8]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment, Total Nitrogen, and Total Phosphorus	Caltrans is expected to be in compliance with sediment, total nitrogen, and total phosphorus waste load allocations in the Lake Tahoe Watershed. Caltrans controls the discharge of total nitrogen and total phosphorus through the control of sediment, since most sources of nitrogen and phosphorus are sediment-driven from sources such as erosion, construction, and runoff from roads. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Lake Tahoe Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Additionally, Caltrans implements structural BMPs, such as austin sand filters, biofiltration swales, detention basins, infiltration basins, infiltration trenches, and traction sand traps, which are effective in removing sediment. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified nine slopes in the Lake Tahoe Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Fifteen SHOPP projects (PID, PAED, and/or PS&E) are planned in the Lake Tahoe Watershed that will include treatment BMPs. According to the State Water Resources Control Board's Annual Performance Report, the Water Quality Report Card for Lake Tahoe shows conditions for sediment and nutrients are improving since 2010. According to the report, in 2012, there was an average annual clarity level of 75.3 feet, which is a 6.4 foot improvement from 2011.
If not, what improved control measures are proposed to address relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[6,9]	
Pollutant	Quantity Removed (metric tons/year)
Total Suspended Solids (TSS)	7.4

Compliance Units Achieved[10]
29

Total Area Treated (acres)[11]
29

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Final Lake Tahoe TMDL Staff Report* (2010); Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC; Order WQ 2014-0077-DWQ; and Order WQ 2015-0036-EXEC.

[3] Source: Caltrans *Pollutant Load Reduction Plan* (2014).

[4] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[5] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[6] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values; and *Highway 267 Filter Fabric Sand Trap Pilot Study* (February 2006).

[7] Sources: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, Fiscal Year 2017-2018; and *TMDL Status Review Report* Fiscal Year 2015-2016.

[8] Sources: Caltrans TMDL Implementation Plan (January 2015); and the State Water Resources Control Board's *Annual Performance Reports* Fiscal Year 2014-2015, and Fiscal Year 2015-2016.

[9] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[10] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[11] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Legg Lake Trash TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	1,249
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	40
Percent of Caltrans ROW in TMDL Watershed	3.2%
TMDL Pollutant	Trash

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Trash	0 or 0% of the baseline load (zero trash)

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	33	Biofiltration Strip	6	Unknown
		Biofiltration Swale	27	Unknown
Source Controls[5,6]				
Adopt-A-Highway Program	The Adopt-A-Highway Program provides an avenue for individuals, organizations, and businesses to help maintain sections of roadside for various activities including litter removal within California's State Highway System. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 1,542 yd^3 of trash through the Adopt-A-Highway Program.			
California Conservation Corps and Caltrans Parolee Program[7]	The Division of Maintenance has partnership programs with the California Department of Corrections and Rehabilitation and the California Conservation Corps. Parolees and Corps employees provide contracted services to assist in the removal of trash and litter from the ROW. As of Fiscal Year 2015-2016, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection, and 5,807 yd^3 of trash through the Caltrans Parolee Program.			
District Crew Collection[7]	Caltrans crews conduct manual cleanup of trash and litter from the ROW. As mentioned above, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection in Fiscal Year 2015-2016.			
Public Education	Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year Caltrans staff volunteers to collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign with the Caltrans "Protect Every Drop" campaign. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 589 yd^3 of trash through Public Education.			
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces, which removes tracked sediment and other materials to prevent them from entering a storm drain or watercourse. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 12,024 yd^3 of trash through Roadway Sweeping.			
Storm Drain Maintenance	Caltrans cleans the storm drainage system inlets and culverts of accumulated materials. These activities are conducted manually and by vactor trucks. Caltrans District 7 performs additional inspection and cleaning through its Enhanced Annual Storm Drain Inlet Inspection and Cleaning Program in metropolitan areas. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 7,390 yd^3 of trash from Storm Drain Maintenance activities.			

BMP Effectiveness[8]	
Treatment BMP Type	Removal Efficiency
Biofiltration Strip	Partial Trash Removal
Biofiltration Swale	Partial Trash Removal

Legg Lake Trash TMDL

Progress Towards Achieving WLAs and Performance Standards[2,5,6,9]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Trash	Although there have been improvements in the reduction of trash, measures are not sufficient for Caltrans to achieve waste load allocations in the Legg Lake Watershed. Caltrans employs several types of trash removal devices in the Legg Lake Watershed, including biofiltration strips and biofiltration swales which have partial trash removal efficiencies. Caltrans also employs non-structural BMPs in the Legg Lake Watershed to mitigate trash including sweeping, drain inlet cleaning, trash collection, storm drain stenciling, covered trash bins, public education, and public participation. Additionally, Caltrans has increased the frequency of the Adopt-A-Highway program to treat beyond the minimum permit requirements. Caltrans also collaborates with the California Public Education Campaign to further engage in public education. Moreover, programs such as the Caltrans Parolee Program, California Conservation Corps, District Crew Collection, and Storm Drain Maintenance activities help remove trash from the Caltrans ROW. Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Three SHOPP projects (PID, PAED, and/or PS&E) are planned in the Legg Lake Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Acres Treated for Trash[10]
Not available due to unknown BMP tributary drainage area.

Compliance Units Achieved[11]
0

Total Area Treated (acres)[12]
51

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Trash TMDL for Legg Lake Staff Report* (2007); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); Caltrans *Annual Report* Fiscal Year 2015-2016, Appendix E; and Caltrans *District 7 Litter Management Pilot Study* (June 2000).

[6] Source: Caltrans *Project Planning and Design Guide* (2016).

[7] The data value was reported as a combined volume of trash removed from the District Crew Collection and California Conservation Corps. Volumes for each source control could not be individually separated.

[8] Source: Certified as Full Capture Systems by the State Water Resources Control Board Executive Director Certification as listed on the Multi-Benefit Treatment System List.

[9] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[10] The acres represented include Caltrans impervious and pervious area treated by certified full capture devices with 100% trash removal efficiency.

[11] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[12] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Long Beach City Beaches and Los Angeles River Estuary Indicator Bacteria TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	6,968
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	101
Percent of Caltrans ROW in TMDL Watershed	1.4%
TMDL Pollutant	Indicator Bacteria

Waste Load Allocations (WLAs)[2]					
Pollutant	**Caltrans WLA**				
Indicator Bacteria	Location	Winter Dry-Weather		Wet-Weather (Critical Condition)	
		Allowable Number of Exceedance Days		Allowable Number of Exceedance Days	
		Daily Sampling (No. days)	Weekly Sampling (No. days)	Daily Sampling (No. days)	Weekly Sampling (No. days)
	LA River Estuary	9	2	17	3
	Long Beach City Beaches	There are no waste load allocations specific to Caltrans in the Long Beach City Beaches watershed because Caltrans has jurisdiction of some areas in the Los Angeles River Estuary direct drainage, but not in the Long Beach City Beaches direct drainage.			
	Note: The proposed waste load allocation for summer-dry weather is zero (0) days of allowable exceedances for all locations.				

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	290	No BMPs Proposed		
2	289	Austin Sand Filter	1	7.7
		Biofiltration Swale	5	53
		Detention Basin	1	14
		Infiltration Trench	1	2.7
Source Controls[5]				
Clean-Up of Illegal Dumping	Illegal dumping is prohibited by state and local laws and is enforced by the California Highway Patrol (CHP) and local law enforcement agencies. Caltrans relies on CHP and Caltrans staff to investigate and resolve reports of suspected illegal connections and illicit discharges. Caltrans has trained in-house and contract hazardous response staff to manage and clean up spills. Caltrans District 7 prepares and implements a Hazardous Spill Contingency Plan on an annual basis.			
Prohibition of Non-Storm water Discharges	Caltrans prohibits non-storm water discharges to the municipal separate storm sewer system and reduces pollution caused by wastes associated with non-storm water discharges to the maximum extent practicable. Caltrans implements BMPs through their construction, design and maintenance divisions to control non-storm water pollutants.			
Public Education on Littering	Caltrans partners with various organizations at both the state and local levels, focusing on educating and motivating the public to modify peoples' behavior regarding stormwater pollution. District NPDES Coordinators work with the District's Public Information Officer to educate the public about stormwater pollution. Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year. Caltrans staff volunteers collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign through their "Protect Every Drop" campaign, which addresses key actions the public can take to properly dispose of trash and pollutants.			
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces, which removes tracked sediment and other materials to prevent them from entering a storm drain or watercourse.			

BMP Effectiveness
Not applicable. Waste load allocations are assigned as allowable exceedance days.

Long Beach City Beaches and Los Angeles River Estuary Indicator Bacteria TMDL

Cooperative Implementation[6]			
Project Name	Project Description	Caltrans Contribution	Compliance Units
Long Beach Municipal Urban Stormwater Treatment Project	This project will result in the creation of a facility that will provide treatment of urban runoff prior to discharging into the Los Angeles River. The water produced by the Long Beach Municipal Urban Stormwater Treatment Project Recycle Facility would be treated to meet Title 22 regulations for recycled water, as required by the State of California.	$28,000,000	12

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Indicator Bacteria	Caltrans is in compliance with indicator bacteria waste load allocations for dry-weather flows in the Long Beach City Beaches and Los Angeles River Estuary watershed, since Caltrans does not contribute any dry-weather discharge from its ROW. Caltrans is expected to be in compliance with indicator bacteria waste load allocations for wet-weather flows in the Long Beach City Beaches and Los Angeles River Estuary watershed. Caltrans is also coordinating with local municipalities through the Long Beach Municipal Urban Stormwater Treatment Project which will help improve water quality in this watershed. Caltrans minimizes wet-weather discharges from its ROW into receiving waterbodies impaired for bacteria by implementing treatment BMPs and source control/preemptive activities such as street sweeping, clean-up of illegal dumping, prohibition of non-storm water discharges, and public education on littering as described above. Additionally, Caltrans participates and funds cooperative implementation efforts within the Long Beach City Beaches and Los Angeles River Estuary watershed in order to further mitigate the discharge of indicator bacteria into the watershed. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Eight SHOPP projects (PID, PAED, and/or PS&E) are planned in the Long Beach City Beaches and Los Angeles River Estuary watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant polluatnt?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed
Indicator Bacteria	Not applicable. Waste load allocations are assigned as allowable exceedance days.

Compliance Units Achieved[8]
23

Total Area Treated (acres)[9]
77

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Long Beach City Beaches and Los Angeles River Estuary TMDL for Indicator Bacteria Staff Report* (2012); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *Statewide Storm Water Management Plan* (2016) and Caltrans *TMDL Implementation Plan* (January 2015).

[6] Source: *Cooperative Implementation Agreement for the Long Beach Municipal Urban Stormwater Treatment Project* (May 6, 2016).

[7] Sources: Caltrans *TMDL Implementation Plan* (January 2015); and *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[8] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017, and do not include Compliance Units claimed from Cooperative Agreements.

[9] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Los Angeles Area (Echo Park Lake) Nitrogren, Phosphorus, Chlordane, Dieldrin, PCBs, and Trash TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	800
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	17
Percent of Caltrans ROW in TMDL Watershed	2.1%
TMDL Pollutants	Nitrogen, Phosphorus, Chlordane, Dieldrin, PCBs, and Trash

Waste Load Allocations (WLAs)[2]

Pollutant	Caltrans WLA	
	Northern Subwatershed	Southern Subwatershed
Total Nitrogen	4.77 lb-N/yr	0.403 lb-N/yr
Total Phosphorus	0.608 lb-P/yr	0.051 lb-P/yr

Pollutant	Caltrans WLA			
	WLAs Associated with Suspended Sediment (µg/kg dry weight)		WLAs Associated with Concentrations in the Water Column (ng/L)	
	Northern Subwatershed	Southern Subwatershed	Northern Subwatershed	Southern Subwatershed
PCBs	1.77	1.77	0.17	0.17
Chlordane	2.1	2.1	0.59	0.59
Dieldrin	0.8	0.8	0.14	0.14

Pollutant	Caltrans WLA
Trash	0 or 0% of baseline load (zero trash)

Best Management Practices (BMPs)[3]

Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	14	No BMPs Proposed		

Source Controls[4,5]	
Adopt-A-Highway Program	The Adopt-A-Highway Program provides an avenue for individuals, organizations, and businesses to help maintain sections of roadside for various activities including litter removal within California's State Highway System. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 1,542 yd^3 of trash through the Adopt-A-Highway Program.
California Conservation Corps and Caltrans Parolee Program	The Division of Maintenance has partnership programs with the California Department of Corrections and Rehabilitation and the California Conservation Corps. Parolees and Corps employees provide contracted services to assist in the removal of trash and litter from the ROW. As of Fiscal Year 2015-2016, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection, and 5,807 yd^3 of trash through the Caltrans Parolee Program.
District Crew Collection	Caltrans crews conduct manual cleanup of trash and litter from the ROW. As mentioned above, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection in Fiscal Year 2015-2016.
Public Education	Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year Caltrans staff volunteers to collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign with the Caltrans "Protect Every Drop" campaign. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 589 yd^3 of trash through Public Education.
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 12,024 yd^3 of trash through Roadway Sweeping.
Storm Drain Maintenance	Caltrans cleans the storm drainage system inlets and culverts of accumulated materials. These activities are conducted manually and by vactor trucks. Caltrans District 7 performs additional inspection and cleaning through its Enhanced Annual Storm Drain Inlet Inspection and Cleaning Program in metropolitan areas. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 7,390 yd^3 of trash from Storm Drain Maintenance activities.

Los Angeles Area (Echo Park Lake) Nitrogren, Phosphorus, Chlordane, Dieldrin, PCBs, and Trash TMDL

BMP Effectiveness
No BMPs Proposed

Progress Towards Achieving WLAs and Performance Standards[2,4,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Total Nitrogen and Total Phosphorus	Caltrans is expected to be in compliance with nitrogen and phosphorus waste load allocations in the Echo Park Lake watershed. Caltrans controls the discharge of nitrogen and phosphorus through the control of sediment. Caltrans implements and maintains structural BMPs to mitigate sediment in the Echo Park Lake watershed. Additionally, Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Echo Park Lake watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Chlordane and Dieldrin	Caltrans is expected to be in compliance with chlordane and dieldrin waste load allocations in the Echo Park Lake watershed since pesticides are no longer in production and their usage has been regulated. Additionally, Caltrans does not use chlordane or dieldrin within its ROW. A major source of chlordane and dieldrin impairments in the Echo Park Lake watershed is due to historical loading from the pollutants adhering to sediment. Although Caltrans does not use pesticides within its ROW, Caltrans complies with Provision E.2.h.3)b) of the Permit which specifies practices for the safe handling and use of pesticides, including compliance with federal, state and local regulations, and label directions. Caltrans is also required to perform site assessments, applicator training, and implementation of integrated pest and vegetation management practices when using pesticides in order to prevent pesticide discharge in storm water runoff in the Echo Park Lake watershed. Additionally, Caltrans implements and maintains structural BMPs to mitigate pesticides in the Echo Park Lake watershed. As an additional mitigation measure, Caltrans reduces the sediment transport of chlordane by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the Echo Park Lake watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
PCBs	Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the Echo Park Lake watershed. Additionally, Caltrans does not use PCBs within its ROW. Therefore, Caltrans is expected to be in compliance with PCBs waste load allocations in the Echo Park Lake watershed. A major source of PCBs in the Echo Park Lake watershed is due to historical loading from the pollutants adhering to sediment. Toxic pollutants have a high affinity for adherence to fine sediment. Therefore the appropriate control measures for toxics are to control erosion and prevent or minimize the discharge of fine sediment. Additionally, Caltrans implements and maintains structural BMPs to mitigate pesticides in the Echo Park Lake watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Echo Park Lake watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Trash	Although there have been improvements in the reduction of trash, measures are not sufficient for Caltrans to achieve waste load allocations. Caltrans employs non-structural BMPs in the Echo Park Lake Watershed to mitigate trash including sweeping, drain inlet cleaning, trash collection, storm drain stenciling, covered trash bins, public education, and public participation. Additionally, Caltrans has increased the frequency of the Adopt-A-Highway program to treat beyond the minimum permit requirements. Caltrans also collaborates with the California Public Education Campaign to further engage in public education. Moreover, programs such as the Caltrans Parolee Program, California Conservation Corps, District Crew Collection, and Storm Drain Maintenance activities help remove trash from the Caltrans ROW. Caltrans implements source control BMPs such as the Adopt-A-Highway Program, California Conservation Corps, the Caltrans Parolee Program, District Crew Collection, roadway sweeping, Storm Drain Maintenance activities, and Public Education to further mitigate trash in the watershed.
Additional Measures to Achieve WLAs for All Pollutants	Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems are inspected on an as-needed basis. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. One SHOPP project (PID, PAED, and/or PS&E) is planned in the Echo Park Lake watershed that include treatment BMPs. One SHOPP project (PID, PAED, and/or PS&E) is planned in the Los Angeles Area Echo Park Lake watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Los Angeles Area (Echo Park Lake) Nitrogren, Phosphorus, Chlordane, Dieldrin, PCBs, and Trash TMDL

Acres Treated for Trash
Not available since there are no BMPs proposed in this watershed.

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (lbs/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[7]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Los Angeles Area Lakes TMDL for Nitrogen, Phosphorus, Mercury, Trash, Organochlorine Pesticides and PCBs Staff Report* (2012); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: Caltrans *TMDL Implementation Plan* (January 2015); Caltrans *Annual Report* Fiscal Year 2015-2016, Appendix E; and Caltrans *District 7 Litter Management Pilot Study* (June 2000).

[5] The data value was reported as a combined volume of trash removed from the District Crew Collection and California Conservation Corps. Volumes for each source control could not be individually separated.

[6] Source: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; Caltrans *TMDL Implementation Plan* (January 2015).

[7] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

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Los Angeles Area (Lake Sherwood) Mercury TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	10,792
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	4
Percent of Caltrans ROW in TMDL Watershed	0.04%
TMDL Pollutant	Mercury

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
	Carlisle Canyon Subwatershed
Mercury	0.02 g/year

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	265	No BMPs Proposed		
2	260	No BMPs Proposed		
3	261	No BMPs Proposed		
4	262	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Progress Towards Achieving WLAs and Performance Standards[2,4]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Mercury	Caltrans is expected to be in compliance with the mercury waste load allocation in the Los Angeles Area Lake Sherwood watershed. Caltrans controls the discharge of mercury through the control of sediment. Caltrans implements appropriate control measures to reduce the discharge of mercury, such as physical structures that prevent contaminated runoff from reaching receiving waters. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Los Angeles Area Lake Sherwood watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems are inspected on an as-needed basis. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. One SHOPP project (PID, PAED, and/or PS&E) is planned in the Los Angeles Area Lake Sherwood watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutant?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[5]
0

Los Angeles Area (Lake Sherwood) Mercury TMDL

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Los Angeles Area Lakes TMDL for Nitrogen, Phosphorus, Mercury, Trash, Organochlorine Pesticides and PCBs Staff Report* (2012); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; Caltrans TMDL Implementation Plan (January 2015).

[5] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Los Angeles Area (North, Center and Legg Lakes) Nitrogen and Phosphorus TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	1,249
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	40
Percent of Caltrans ROW in TMDL Watershed	3.2%
TMDL Pollutants	Nitrogen, Phosphorus

Waste Load Allocations (WLAs)[2]			
Pollutant	Caltrans WLA		
	Subwatershed	Total Phosphorus (lbs/year)	Total Nitrogen (lbs/year)
Nitrogen and Phosphorus	Direct to Center Lake	4.6	15.5
	Direct to Legg Lake	1.2	4
	Direct to North Lake	19.1	64.1
	Northwestern	9.4	29.3
	Northeastern	10.9	34

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	34	Biofiltration Strip	6	Unknown
		Biofiltration Swale	27	Unknown

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Strip	75%
Biofiltration Swale	48%

Progress Towards Achieving WLAs and Performance Standards[2,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Nitrogen and Phosphorus	Caltrans is expected to be in compliance with the nitrogen and phosphorus waste load allocations in the Los Angeles North, Center, and Legg Lake watershed. Caltrans controls the discharge of nitrogen and phosphorus through the control of sediment. Caltrans implements and maintains structural BMPs to mitigate sediment in the Los Angeles North, Center, and Legg Lake watershed. Additionally, Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Los Angeles North, Center, and Legg Lake watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems are inspected on an as-needed basis. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Two SHOPP projects (PID, PAED, and/or PS&E) are planned in the Los Angeles North, Center, and Legg Lake watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Los Angeles Area (North, Center and Legg Lakes) Nitrogen and Phosphorus TMDL

Quantification of Pollutant Removal[5,7]	
Pollutant	Quantity Removed (lbs/year)
Total Suspended Solids (TSS)	Not available due to unknown tributary area.

Compliance Units Achieved[8]
0

Total Area Treated (acres)[9]
Not available due to unknown tributary area.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Los Angeles Area Lakes TMDL for Nitrogen, Phosphorus, Mercury, Trash, Organochlorine Pesticides and PCBs Staff Report* (2012); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; Caltrans *TMDL Implementation Plan* (January 2015).

[7] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed.

[8] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[9] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Los Angeles Area (Peck Road Park Lake) Nitrogen, Phosphorus, Chlordane, DDT, Dieldrin, PCBs, and Trash TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	23,709
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	113
Percent of Caltrans ROW in TMDL Watershed	0.47%
TMDL Pollutants	Nitrogen, Phosphorus, Chlordane, DDT, Dieldrin, PCBs, and Trash

Waste Load Allocations (WLAs)[2]		
Pollutant	Caltrans WLA	
	Eastern Watershed	Western Watershed
Total Nitrogen	1,165 lbs/year	251 lbs/year
Total Phosphorus	158 lbs/year	34.2 lbs/year
Pollutant	Caltrans WLA	
	WLAs for Pollutant Associated with Suspended Sediment (µg/kg dry weight)	WLAs for Pollutant Associated with Concentrations in the Water Column (ng/L)
	Eastern and Western Subwatershed	Eastern and Western Subwatershed
PCBs	1.29	0.17
Total Chlordane	1.73	0.59
Total DDTs	5.28	0.59
Dieldrin	0.43	0.14
Pollutant	Caltrans WLA	
Trash	Caltrans is not assigned a WLA for this watershed, however point sources are anticipated to contribute to the trash impairment in this watershed. According to Attachment IV of the Caltrans NPDES Permit, this TMDL is required to also comply with trash requirements, which indicate that the discharge of trash is prohibited. Therefore, it is determined that the waste load allocation for this TMDL is 0 or 0% of the baseline load (zero trash).	

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	35	Austin Sand Filter	6	11
		Biofiltration Swale	6	29
		DPPIA (Design Pollution Prevention Infiltration Area)	1	10
		Gross Solids Removal Device	5	6.5
		Infiltration Trench	1	0.93
2	15	Austin Sand Filter	1	1.8
		Biofiltration Strip	1	0.37
		Biofiltration Swale	5	4.9
		Gross Solids Removal Device	2	3.4
		Infiltration Basin	1	4.6

Los Angeles Area (Peck Road Park Lake) Nitrogen, Phosphorus, Chlordane, DDT, Dieldrin, PCBs, and Trash TMDL

Source Controls[5]	
Adopt-A-Highway Program	The Adopt-A-Highway Program provides an avenue for individuals, organizations, and businesses to help maintain sections of roadside for various activities including litter removal within California's State Highway System. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 1,542 yd^3 of trash through the Adopt-A-Highway Program.
California Conservation Corps and Caltrans Parolee Program[6]	The Division of Maintenance has partnership programs with the California Department of Corrections and Rehabilitation and the California Conservation Corps. Parolees and Corps employees provide contracted services to assist in the removal of trash and litter from the ROW. As of Fiscal Year 2015-2016, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection, and 5,807 yd^3 of trash through the Caltrans Parolee Program.
District Crew Collection[6]	Caltrans crews conduct manual cleanup of trash and litter from the ROW. As mentioned above, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection in Fiscal Year 2015-2016.
Public Education	Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year Caltrans staff volunteers to collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign with the Caltrans "Protect Every Drop" campaign. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 589 yd^3 of trash through Public Education.
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 12,024 yd^3 of trash through Roadway Sweeping.
Storm Drain Maintenance	Caltrans cleans the storm drainage system inlets and culverts of accumulated materials. These activities are conducted manually and by vactor trucks. Caltrans District 7 performs additional inspection and cleaning through its Enhanced Annual Storm Drain Inlet Inspection and Cleaning Program in metropolitan areas. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 7,390 yd^3 of trash from Storm Drain Maintenance activities.

BMP Effectiveness[7]		
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency	Trash Removal Efficiency
Austin Sand Filter	93%	Certified Full Capture Device (100% Trash Removal Efficiency)
Biofiltration Strip	75%	Partial Trash Removal
Biofiltration Swale	48%	Partial Trash Removal
DPPIA (Design Pollution Prevention Infiltration Area)	100%	100% Trash Removal Efficiency
Gross Solids Removal Device	-	Certified Full Capture Device (100% Trash Removal Efficiency)
Infiltration Basin	100%	Certified Full Capture Device (100% Trash Removal Efficiency)
Infiltration Trench	100%	Certified Full Capture Device (100% Trash Removal Efficiency)

Los Angeles Area (Peck Road Park Lake) Nitrogen, Phosphorus, Chlordane, DDT, Dieldrin, PCBs, and Trash TMDL

Progress Towards Achieving WLAs and Performance Standards[2,8]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Total Nitrogen and Total Phosphorus	Caltrans is expected to be in compliance with nitrogen and phosphorus waste load allocations in the Los Angeles Area Peck Road Park Lake watershed. Caltrans controls the discharge of nutrients through the control of sediment. Caltrans implements and maintains structural BMPs to mitigate sediment in the Los Angeles Area Peck Road Park Lake. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Los Angeles Area Peck Road Park Lake watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
PCBs	Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the Los Angeles Area Echo Park Lake watershed. Additionally, Caltrans does not use PCBs within its ROW. Therefore, Caltrans is expected to be in compliance with PCB waste load allocations in the Los Angeles Area Echo Park Lake watershed. Toxic pollutants have a high affinity for adherence to fine sediment. A major source of PCB impairments in the Peck Road Park Lake watershed is due to historical loading from the pollutants adhering to sediment. Therefore the appropriate control measures for toxic pollutants are to control erosion and prevent or minimize the discharge of fine sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Los Angeles Area Peck Road Park Lake watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Additionally, Caltrans implements and maintains structural BMPs to mitigate sediment in the Peck Road Park Lake watershed.
Chlordane, DDTs, and Dieldrin	Caltrans is expected to be in compliance with chlordane, DDTs, and dieldrin waste load allocations in the Los Angeles Area Peck Road Park Lake watershed since these organochlorine compounds are no longer in production and their usage has been regulated. Additionally, Caltrans does not use chlordane, DDTs, or dieldrin within its ROW. Although Caltrans does not use pesticides within its ROW, Caltrans complies with Provision E.2.h.3)b) of the Permit which specifies practices for the safe handling and use of pesticides, including compliance with federal, State and local regulations, and label directions. Caltrans is also required to perform site assessments, applicator training, and implementation of integrated pest and vegetation management practices when using pesticides in order to prevent pesticide discharge in storm water runoff in the Peck Road Park Lake watershed. A major source of chlordane, DDTs, and dieldrin impairments in the Peck Road Park Lake watershed is due to historical loading from the pollutants adhering to sediment. As an additional mitigation measure, Caltrans reduces the sediment transport of chlordane, DDTs, and dieldrin by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the Los Angeles Area Peck Road Park Lake watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Additionally, Caltrans implements and maintains structural BMPs to mitigate sediment in the Peck Road Park Lake watershed.
Trash	Although there have been significant improvements in the reduction of trash, measures are not sufficient for Caltrans to achieve waste load allocations. Caltrans employs several types of trash removal devices in the Los Angeles Area Peck Road Park Lake Watershed, including austin sand filters, biofiltration strips, biofiltration swales, DPPIA (design pollution prevention infiltration areas), gross solids removal devices, infiltration basins, and infiltration trenches. Caltrans also employs non-structural BMPs in the Los Angeles Area Peck Road Park Lake Watershed to mitigate trash including sweeping, drain inlet cleaning, trash collection, storm drain stenciling, covered trash bins, public education, and public participation. Additionally, Caltrans has increased the frequency of the Adopt-A-Highway program to treat beyond the minimum permit requirements. Caltrans also collaborates with the California Public Education Campaign to further engage in public education. Moreover, programs such as the Caltrans Parolee Program, California Conservation Corps, District Crew Collection, and Storm Drain Maintenance activities help remove trash from the Caltrans ROW.
Additional Measures to Achieve WLAs for All Pollutants	Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems are inspected on an as-needed basis. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also implements source control BMPs such as the Adopt-A-Highway Program, California Conservation Corps, the Caltrans Parolee Program, District Crew Collection, roadway sweeping, Storm Drain Maintenance activities, and Public Education to further mitigate trash in the watershed. Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Two SHOPP projects (PID, PAED, and/or PS&E) are planned in the Los Angeles Area Peck Road Park Lake Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Los Angeles Area (Peck Road Park Lake) Nitrogen, Phosphorus, Chlordane, DDT, Dieldrin, PCBs, and Trash TMDL

Acres Treated for Trash[9]
28

Quantification of Pollutant Removal[7,10]	
Pollutant	Quantity Removed (lbs/year)
Total Suspended Solids (TSS)	8,196

Compliance Units Achieved[11]
10

Total Area Treated (acres)[12]
73

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Los Angeles Area Lakes TMDL for Nitrogen, Phosphorus, Mercury, Trash, Organochlorine Pesticides and PCBs Staff Report* (2012); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); Caltrans *Annual Report* Fiscal Year 2015-2016, Appendix E; and Caltrans *District 7 Litter Management Pilot Study* (June 2000).

[6] The data value was reported as a combined volume of trash removed from the District Crew Collection and California Conservation Corps. Volumes for each source control could not be individually separated.

[7] Sources: Certified as Full Capture Systems by the State Water Resources Control Board Executive Director Certification as listed on the Multi-Benefit Treatment System List; Caltrans BMP Retrofit Pilot Program Final Report (January 2004); and Caltrans Discharge Characterization Study Update Final Report (January 30, 2009), Appendix E for regional median concentration values.

[8] Sources: Caltrans *TMDL Implementation Plan* (January 2015); and *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[9] The acres represented includes Caltrans impervious and pervious area treated by certified full capture devices with 100% trash removal efficiency.

[10] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reductions based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[11] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[12] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Los Angeles Area (Puddingstone Reservoir) Nitrogen, Phosphorus, Chlordane, DDT, PCBs, Mercury, and Dieldrin TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	8,337
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	109
Percent of Caltrans ROW in TMDL Watershed	1.3%
TMDL Pollutants	Nitrogen, Phosphorus, Chlordane, DDTs, PCBs, Mercury, Dieldrin

Waste Load Allocations (WLAs)[2]		
Pollutant	Caltrans WLA	
	Northern Subwatershed	Southern Subwatershed
Total Nitrogen	745 lbs/year	68.2 lbs/year
Total Phosphorus	167 lbs/year	14.8 lbs/year
Mercury	0.702 g/year	0.051 g/year
Pollutant	Caltrans WLA	
	WLAs for Pollutant Associated with Suspended Sediment (µg/kg dry weight)	WLAs for Pollutant Associated with Concentrations in the Water Column (ng/L)
	Northern and Southern Subwatershed	Northern and Southern Subwatershed
PCBs	0.59	0.17
Chlordane	0.75	0.57
Dieldrin	0.22	0.14
DDTs	3.94	0.59

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	108	Biofiltration Swale	7	13
		DPPIA (Design Pollution Prevention Infiltration Area)	1	3.1
		Multi-Chambered Treatment Train	1	Unknown
		Other	2	1.1

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Swale	48%
DPPIA (Design Pollution Prevention Infiltration Area)	100%
Multi-Chambered Treatment Train	91%

Los Angeles Area (Puddingstone Reservoir) Nitrogen, Phosphorus, Chlordane, DDT, PCBs, Mercury, and Dieldrin TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Total Nitrogen, Total Phosphorus, and Mercury	Caltrans is expected to be in compliance with nitrogen, phosphorus, and mercury waste load allocations in the Los Angeles Area Puddingstone Reservoir watershed. Caltrans controls the discharge of nitrogen, phosphorus, and mercury through the control of sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Los Angeles Area Puddingstone Reservoir watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Chlordane, DDTs, and Dieldrin	Caltrans is expected to be in compliance with chlordane, DDTs, and dieldrin waste load allocations in the Los Angeles Area Puddingstone Reservoir watershed since chlordane, DDTs, and dieldrin are no longer in production and their usage has been regulated. Additionally, Caltrans does not use chlordane, DDTs, or dieldrin within its ROW. Although Caltrans does not use pesticides within its ROW, Caltrans complies with Provision E.2.h.3)b) of the Permit which specifies practices for the safe handling and use of pesticides, including compliance with federal, State and local regulations, and label directions. Caltrans is also required to perform site assessments, applicator training, and implementation of integrated pest and vegetation management practices when using pesticides in order to prevent pesticide discharge in storm water runoff in the Los Angeles Area Puddingstone Reservoir watershed. A major source of chlordane, DDTs, and dieldrin impairments in the Puddingstone Reservoir watershed is due to historical loading from the pollutants adhering to sediment. As an additional mitigation measure, Caltrans reduces the sediment transport of chlordane, DDTs, and dieldrin by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the Los Angeles Area Puddingstone Reservoir watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
PCBs	Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the Los Angeles Area Puddingstone Reservoir watershed. Additionally, Caltrans does not use PCBs within its ROW. Therefore, Caltrans is expected to be in compliance with PCBs waste load allocations in the Los Angeles Area Puddingstone Reservoir watershed. Toxic pollutants have a high affinity for adherence to fine sediment. A major source of PCB impairments in the Puddingstone Reservoir watershed is due to historical loading from the pollutants adhering to sediment. Therefore the appropriate control measures for toxic pollutants are to control erosion and prevent or minimize the discharge of fine sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Los Angeles Area Puddingstone Reservoir watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Additional Measures to Achieve WLAs for All Pollutants	Caltrans implements and maintains structural BMPs to mitigate sediment in the Los Angeles Area Puddingstone Reservoir watershed. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems should be inspected on an as-needed basis. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Two SHOPP projects (PID, PAED, and/or PS&E) are planned in the Los Angeles Area Puddingstone Reservoir that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,7]	
Pollutant	Quantity Removed (lbs/year)
Total Suspended Solids (TSS)	1,395

Los Angeles Area (Puddingstone Reservoir) Nitrogen, Phosphorus, Chlordane, DDT, PCBs, Mercury, and Dieldrin TMDL

Compliance Units Achieved[8]
0

Total Area Treated (acres)[9]
17

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Los Angeles Area Lakes TMDL for Nitrogen, Phosphorus, Mercury, Trash, Organochlorine Pesticides and PCBs Staff Report* (2012); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; Caltrans *TMDL Implementation Plan* (January 2015).

[7] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed.

[8] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[9] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Los Angeles River Trash TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	533,855
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	6,091
Percent of Caltrans ROW in TMDL Watershed	1.1%
TMDL Pollutant	Trash

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Trash	0 or 0% of the baseline load (zero trash)

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	43	Austin Sand Filter	2	9.2
		Biofiltration Strip	1	5
		Biofiltration Swale	19	74
		DPP (Design Pollution Prevention)	1	3.1
		Other	1	Unknown
2	23	Austin Sand Filter	2	9.2
		Biofiltration Swale	19	38
		Delaware Sand Filter	1	1.2
		Detention Basin	2	3.5
		Gross Solids Removal Device	40	34
		Infiltration Basin	1	Unknown
3	55	Austin Sand Filter	8	24
		Biofiltration Strip	15	21
		Biofiltration Swale	52	94
		Delaware Sand Filter	1	2.3
		Detention Basin	2	3.9
		DPP (Design Pollution Prevention)	5	67
		Gross Solids Removal Device	32	22
		Infiltration Basin	2	3.8
		Other	3	1.5
4	47	Austin Sand Filter	12	35
		Biofiltration Swale	36	59
		DPP (Design Pollution Prevention)	1	0.32
		Detention Basin	2	4.8
		Other	3	4.6
		Gross Solids Removal Device	87	83
		Infiltration Basin	2	2.5
		Multi-Chamber Treatment Train	1	0
5	52	Austin Sand Filter	12	39
		Biofiltration Strip	12	12
		Biofiltration Swale	45	125
		DPP (Design Pollution Prevention)	1	0.48
		Detention Basin	2	7
		Gross Solids Removal Device	37	66
		Other	2	0.14

6	65	Austin Sand Filter	13	30
		Biofiltration Strip	2	11
		Biofiltration Swale	37	79
		DPP (Design Pollution Prevention)	1	15
		Delaware Sand Filter	2	8
		Detention Basin	2	8.9
		Gross Solids Removal Device	74	112
7	60	Austin Sand Filter	17	42
		Biofiltration Strip	34	52
		Biofiltration Swale	82	482
		Detention Basin	2	8.4
		Delaware Sand Filter	2	2.9
		DPPIA (Design Pollution Prevention Infiltration Area)	1	10
		Gross Solids Removal Device	36	563
		Infiltration Basin	5	20
		Infiltration Trench	1	0.93
8	81	Austin Sand Filter	2	21
		Biofiltration Strip	2	3.1
		Biofiltration Swale	10	6.9
		Gross Solids Removal Device	28	9.4
		Infiltration Trench	1	1.7
9	84	Austin Sand Filter	3	12
		Biofiltration Strip	1	1.2
		Biofiltration Swale	6	7.1
		Gross Solids Removal Device	26	36
		Infiltration Basin	1	1.4
10	68	Austin Sand Filter	5	19
		Biofiltration Strip	4	10
		Biofiltration Swale	16	17
		Detention Basin	1	5.4
		Gross Solids Removal Device	5	7.8
		Other	1	Unknown
11	62	Austin Sand Filter	18	56
		Biofiltration Strip	1	2.8
		Biofiltration Swale	32	37
		Gross Solids Removal Device	16	14
		Infiltration Basin	2	4.9
		Other	1	Unknown
12	94	Biofiltration Strip	1	0.4
		Biofiltration Swale	4	6.1
13	87	No BMPs Proposed		
14	90	Austin Sand Filter	1	1.1
		Biofiltration Strip	11	12
		Biofiltration Swale	13	25
		Gross Solids Removal Device	19	28

Los Angeles River Trash TMDL

Source Controls[5,6]	
Adopt-A-Highway Program	The Adopt-A-Highway Program provides an avenue for individuals, organizations, and businesses to help maintain sections of roadside for various activities including litter removal within California's State Highway System. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 1,542 yd^3 of trash through the Adopt-A-Highway Program.
California Conservation Corps and Caltrans Parolee Program[7]	The Division of Maintenance has partnership programs with the California Department of Corrections and Rehabilitation and the California Conservation Corps. Parolees and Corps employees provide contracted services to assist in the removal of trash and litter from the ROW. As of Fiscal Year 2015-2016, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection, and 5,807 yd^3 of trash through the Caltrans Parolee Program.
District Crew Collection[7]	Caltrans crews conduct manual cleanup of trash and litter from the ROW. As mentioned above, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection in Fiscal Year 2015-2016.
Public Education	Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year Caltrans staff volunteers to collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign with the Caltrans "Protect Every Drop" campaign. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 589 yd^3 of trash through Public Education.
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 12,024 yd^3 of trash through Roadway Sweeping.
Slope/Soil Stabilization Area	Soil stabilization is placed to stabilize areas disturbed by grading operations, to reduce loss of soil due to the action of water or wind, and to prevent water pollution. There are a total of nine slope/soil stabilization areas treating a total of 85.58 acres within Caltrans ROW.
Storm Drain Maintenance	Caltrans cleans the storm drainage system inlets and culverts of accumulated materials. These activities are conducted manually and by vactor trucks. Caltrans District 7 performs additional inspection and cleaning through its Enhanced Annual Storm Drain Inlet Inspection and Cleaning Program in metropolitan areas. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 7,390 yd^3 of trash from Storm Drain Maintenance activities.

BMP Effectiveness[8]	
Treatment BMP Type	Removal Efficiency
Austin Sand Filter	Certified Full Capture Device (100% Trash Removal Efficiency)
Biofiltration Strip	Partial Trash Removal
Biofiltration Swale	Partial Trash Removal
Delaware Sand Filter	Certified Full Capture Device (100% Trash Removal Efficiency)
Detention Basin	Certified Full Capture Device (100% Trash Removal Efficiency)
DPPIA (Design Pollution Prevention Infiltration Area)	100% Trash Removal Efficiency
Gross Solids Removal Device	Certified Full Capture Device (100% Trash Removal Efficiency)
Infiltration Basin	Certified Full Capture Device (100% Trash Removal Efficiency)
Infiltration Trench	Certified Full Capture Device (100% Trash Removal Efficiency)
Multi-Chamber Treatment Train	Certified Full Capture Device (100% Trash Removal Efficiency)

Cooperative Implementation[9]			
Project Name	Project Description	Caltrans Contribution	Compliance Units
Long Beach Municipal Urban Stormwater Treatment Project	This project will result in the creation of a facility that will provide treatment of urban runoff prior to discharging into the Los Angeles River. The water produced by the Long Beach Municipal Urban Stormwater Treatment Project Recycle Facility will be treated to meet Title 22 regulations for recycled water, as required by the State of California.	$28,000,000	12

Los Angeles River Trash TMDL

Progress Towards Achieving WLAs and Performance Standards[2,5,6,9,10,11]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Trash	Although there have been significant improvements in the reduction of trash, measures are not sufficient for Caltrans to achieve waste load allocations in the Los Angeles River Watershed. Caltrans employs several types of trash removal devices in the Los Angeles River Watershed, including austin sand filters, biofiltration strips, biofiltration swales, delaware sand filters, design pollution prevention infiltration areas, detention basins, drain inlet inserts, gross solids removal devices, infiltration basins, infiltration trenches, multi-chamber treatment trains, and StormFilters. Caltrans also employs non-structural BMPs in the Los Angeles River Watershed to mitigate trash including sweeping, drain inlet cleaning, trash collection, storm drain stenciling, slope/soil stabilization, covered trash bins, public education, and public participation. Additionally, Caltrans has increased the frequency of trash/litter cleanups associated with contractor litter pick-up and the Adopt-A-Highway program, which has reduced the amount of trash discharging from its drainage area. Caltrans also collaborates with the California Public Education Campaign to further engage in public education. Moreover, programs such as the Caltrans Parolee Program, California Conservation Corps, District Crew Collection, and Storm Drain Maintenance activities help remove trash from the Caltrans ROW. According to the State Water Resources Control Board's Annual Performance Report, the Water Quality Report Card shows that water quality conditions are improving in the Los Angeles River Watershed and trash abatement continues to increase, with some permittees making accelerated efforts towards trash abatement. Additionally, the report states that most permittees are on track to complete installation of full capture systems by the end of the compliance period. The report also states that qualitative observations have shown a significant reduction of trash since the adoption of the TMDL. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. One hundred thirteen SHOPP projects (PID, PAED, and/or PS&E) are planned in the Los Angeles River Watershed that will include treatment BMPs. Additionally, Caltrans participates and funds cooperative implementation efforts within the Los Angeles River watershed in order to further mitigate the discharge of trash into the watershed.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Acres Treated for Trash[12]
1,368

Compliance Units Achieved[13]
557

Total Area Treated (acres)[14]
2,561

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Trash TMDL for the Los Angeles River Watershed Staff Report* (2007); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); State Water Resources Control Board's *Annual Performance Report* Fiscal Year 2015-2016; Appendix E.

[6] Source: Caltrans *Project Planning and Design Guide* (2016).

[7] The data value was reported as a combined volume of trash removed from the District Crew Collection and California Conservation Corps. Volumes for each source control could not be individually separated.

[8] Source: Certified as Full Capture Systems by the State Water Resources Control Board Executive Director Certification as listed on the Multi-Benefit Treatment System List.

[9] Source: *Cooperative Implementation Agreement* for the Long Beach Municipal Urban Stormwater Treatment Project (May 6, 2016).

[10] Sources: Caltrans *TMDL Implementation Plan* (January 2015); State Water Resources Control Board's *Annual Performance Report* Fiscal Year 2015-2016.

[11] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[12] The acres represented includes Caltrans impervious and pervious area treated by certified full capture devices with 100% trash removal efficiency.

[13] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017, and do not include Compliance Units claimed from Cooperative Agreements.

[14] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Los Angeles River and Tributaries Metals TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	533,855
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	6,091
Percent of Caltrans ROW in TMDL Watershed	1.1%
TMDL Pollutant	Metals

Waste Load Allocations (WLAs)[2]				
Reach	Dry-Weather Watershed WLA			
	Critical Flow (cfs)	Copper (kg/day)	Lead (kg/day)	Zinc (kg/day)
Arroyo Seco	0.25	0.01	0.06	-
Bell Creek	0.79	0.06	0.33	-
Burbank Channel	3.3	0.71	0.61	-
Compton Creek	0.9	0.13	0.16	-
Los Angeles River Reach 1	2.58	0.56	0.64	-
Los Angeles River Reach 2	3.86	0.52	0.33	-
Los Angeles River Reach 3	4.84	0.24	0.89	-
Los Angeles River Reach 4	5.13	1.27	1.04	-
Los Angeles River Reach 5	0.75	0.05	0.31	-
Los Angeles River Reach 6	7.2	0.53	3.00	-
Rio Hondo Reach 1	0.5	0.10	0.05	0.16
Tujunga Wash	0.03	0.01	0.01	-
Verdugo Wash	3.3	0.39	0.82	-
Reach	Wet-Weather Caltrans WLA Equation			
	Cadmium (kg/day)	Copper (kg/day)	Lead (kg/day)	Zinc (kg/day)
All Reaches	$1 \times 5.3 \times 10^{-11}$ x daily volume (L) - 0.03	$3.97 \times 2.9 \times 10^{-10}$ x daily volume (L) - 0.2	$1 \times 1.6 \times 10^{-9}$ x daily volume (L) - 0.6	$1 \times 2.7 \times 10^{-9}$ x daily volume (L) - 1.6
Reach	Wet-Weather Caltrans Calculated WLA (kg/day)			
	Cadmium (kg/day)	Copper (kg/day)	Lead (kg/day)	Zinc (kg/day)
All Reaches	0.24	5.7	7.6	12

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	45	Austin Sand Filter	2	9.2
		Biofiltration Strip	1	5
		Biofiltration Swale	19	74
		DPP (Design Pollution Prevention)	1	3.1
		Other	1	Unknown
2	25	Austin Sand Filter	2	9.2
		Biofiltration Swale	19	38
		Delaware Sand Filter	1	1.2
		Detention Basin	2	3.5
		Gross Solids Removal Device	40	34
		Infiltration Basin	1	Unknown

3	57	Austin Sand Filter	8	24
		Biofiltration Strip	15	21
		Biofiltration Swale	52	94
		Delaware Sand Filter	1	2.3
		Detention Basin	2	3.9
		DPP (Design Pollution Prevention)	5	67
		Gross Solids Removal Device	32	22
		Infiltration Basin	2	3.8
		Other	3	1.5
4	49	Austin Sand Filter	12	35
		Biofiltration Swale	36	59
		Detention Basin	2	4.8
		DPP (Design Pollution Prevention)	1	0.32
		Gross Solids Removal Device	87	83
		Infiltration Basin	2	2.5
		Multi-Chambered Treatment Train	1	Unknown
		Other	3	4.6
5	54	Austin Sand Filter	12	39
		Biofiltration Strip	12	12
		Biofiltration Swale	45	125
		Detention Basin	2	7
		DPP (Design Pollution Prevention)	1	0.48
		Gross Solids Removal Device	37	66
		Other	2	0.14
6	67	Austin Sand Filter	13	30
		Biofiltration Strip	2	11
		Biofiltration Swale	37	79
		Delaware Sand Filter	2	8
		Detention Basin	2	8.9
		DPP (Design Pollution Prevention)	1	15
		Gross Solids Removal Device	74	112
7	61	Austin Sand Filter	17	42
		Biofiltration Strip	34	52
		Biofiltration Swale	82	482
		Delaware Sand Filter	2	2.9
		Detention Basin	2	8.4
		DPPIA (Design Pollution Prevention Infiltration Area)	1	10
		Gross Solids Removal Device	36	563
		Infiltration Basin	5	20
		Infiltration Trench	1	0.93
8	41	Austin Sand Filter	2	21
		Biofiltration Strip	2	3.1
		Biofiltration Swale	10	6.9
		Gross Solids Removal Device	28	9.4
		Infiltration Trench	1	1.7

9	86	Austin Sand Filter	3	12
		Biofiltration Strip	1	1.2
		Biofiltration Swale	6	7.1
		Gross Solids Removal Device	26	36
		Infiltration Basin	1	1.4
10	70	Austin Sand Filter	5	19
		Biofiltration Strip	4	10
		Biofiltration Swale	16	17
		Detention Basin	1	5.4
		Gross Solids Removal Device	5	7.8
		Other	1	Unknown
11	64	Austin Sand Filter	18	56
		Biofiltration Strip	1	2.8
		Biofiltration Swale	32	37
		Gross Solids Removal Device	16	14
		Infiltration Basin	2	4.9
		Other	1	Unknown
12	96	Biofiltration Strip	1	0.4
		Biofiltration Swale	4	6.1
13	89	No BMPs Proposed		
14	92	Austin Sand Filter	1	1.1
		Biofiltration Strip	11	12
		Biofiltration Swale	13	25
		Gross Solids Removal Device	19	28

BMP Effectiveness[5]			
Treatment BMP Type	Total Cu Removal	Total Pb Removal	Total Zn Removal
Austin Sand Filter	83%	92%	87%
Biofiltration Strip	86%	88%	79%
Biofiltration Swale	69%	62%	75%
Delaware Sand Filter	87%	86%	93%
Detention Basin	68%	70%	63%
DPPIA (Design Pollution Prevention Infiltration Area)	100%	100%	100%
Infiltration Basin	100%	100%	100%
Infiltration Trench	100%	100%	100%
Multi-Chambered Treatment Train	89%	98%	86%

Cooperative Implementation[6]			
Project Name	Project Description	Caltrans Contribution	Compliance Units
Long Beach Municipal Urban Stormwater Treatment Project	This project will result in the creation of a facility that will provide treatment of urban runoff prior to going into the Los Angeles River. The water produced by the Long Beach Municipal Urban Stormwater Treatment Project Recycle Facility would be treated to meet Title 22 regulations for recycled water, as required by the State of California.	$28,000,000	12

Los Angeles River and Tributaries Metals TMDL

Slopes Prone to Erosion[7]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	0.00	59.90	TBD
2	27.22	60.08	TBD
5	20.74	21.12	TBD
110	31.20	31.22	TBD
Caltrans will be scheduling stabilization of all other erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,6,7,8]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Metals	Caltrans is in compliance with metals waste load allocations for dry-weather in the Los Angeles River and Tributaries watershed, since Caltrans does not contribute any dry-weather discharge from its ROW. Caltrans is in compliance with copper and lead but not in compliance with metals waste load allocations for wet-weather in the Los Angeles River and Tributaries watershed, however Caltrans is making progress towards compliance. Caltrans implements appropriate control measures to reduce the discharge of dissolved fraction metals, such as physical structures that prevent contaminated runoff from reaching receiving waters. As an additional mitigation measure, Caltrans reduces the sediment transport of metals and selenium by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the Los Angeles River and Tributaries watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified four slopes in the Los Angeles River and Tributaries watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans participates and funds cooperative implementation efforts within the Los Angeles River and Tributaries watershed in order to further mitigate the discharge of metals into the watershed. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. One hundred sixteen SHOPP projects (PID, PAED, and/or PS&E) are planned in the Los Angeles River and Tributaries that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Quantification of Pollutant Removal[5,9]	
Pollutant	Removed (kg/day)
Copper (Cu)	1.2
Lead (Pb)	0.87
Zinc (Zn)	6.5

Compliance Units Achieved[10]
447

Total Area Treated (acres)[11]
2,647

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: Revision of the TMDL for Metals for the Los Angeles River and Tributaries Staff Report (2010); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Source: *Cooperative Implementation Agreement* for the Long Beach Municipal Urban Stormwater Treatment Project (May 6, 2016).

[7] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[8] Sources: Caltrans *TMDL Implementation Plan* (January 2015).

[9] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[10] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017, and do not include Compliance Units claimed from Cooperative Agreements.

[11] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Los Angeles River Watershed Bacteria TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	533,855
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	6,091
Percent of Caltrans ROW in TMDL Watershed	1.1%
TMDL Pollutant	Bacteria

Waste Load Allocations (WLAs)[2]			
Pollutant	Caltrans WLA		
Bacteria	Time Period	Allowable Number of Exceedance Days	
		Daily Sampling (No. Days)	Weekly Sampling (No. Days)
	Dry-Weather	5	1
	Non-High Flow Suspension Waterbodies Wet-Weather (Critical Condition)	15	2
	High Flow Suspension Waterbodies Wet-Weather (Critical Condition)	10 (not including High Flow Suspension Days)	2 (not including High Flow Suspension days)
	The waste load allocation for the geometric mean target during any time at any river segment and tributary is zero (0) days of allowable exceedances.		

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	44	Austin Sand Filter	2	9.2
		Biofiltration Strip	1	5
		Biofiltration Swale	19	74
		DPP (Design Pollution Prevention)	1	3.1
		Other	1	Unknown
2	24	Austin Sand Filter	2	9.2
		Biofiltration Swale	19	38
		Delaware Sand Filter	1	1.2
		Detention Basin	2	3.5
		Gross Solids Removal Device	40	34
		Infiltration Basin	1	Unknown
3	56	Austin Sand Filter	8	24
		Biofiltration Strip	15	21
		Biofiltration Swale	52	94
		Delaware Sand Filter	1	2.3
		Detention Basin	2	3.9
		DPP (Design Pollution Prevention)	5	67
		Gross Solids Removal Device	32	22
		Infiltration Basin	2	3.8
		Other	3	1.5
4	48	Austin Sand Filter	12	35
		Biofiltration Swale	36	59
		Detention Basin	2	4.8
		DPP (Design Pollution Prevention)	1	0.32
		Gross Solids Removal Device	87	83
		Infiltration Basin	2	2.5
		Multi-Chamber Treatment Train	1	Unknown
		Other	3	4.6

5	53	Austin Sand Filter	12	39
		Biofiltration Strip	12	12
		Biofiltration Swale	45	125
		Detention Basin	2	7
		DPP (Design Pollution Prevention)	1	0.48
		Gross Solids Removal Device	37	66
		Other	2	0.14
6	66	Austin Sand Filter	13	30
		Biofiltration Strip	2	11
		Biofiltration Swale	37	79
		Delaware Sand Filter	2	8
		Detention Basin	2	8.9
		DPP (Design Pollution Prevention)	1	15
		Gross Solids Removal Device	74	112
7	59	Austin Sand Filter	17	42
		Biofiltration Strip	34	52
		Biofiltration Swale	82	482
		DPPIA (Design Pollution Prevention Infiltration Area)	1	10
		Delaware Sand Filter	2	2.9
		Detention Basin	2	8.4
		Gross Solids Removal Device	36	563
		Infiltration Basin	5	20
		Infiltration Trench	1	0.93
8	82	Austin Sand Filter	2	21
		Biofiltration Strip	2	3.1
		Biofiltration Swale	10	6.9
		Gross Solids Removal Device	28	9.4
		Infiltration Trench	1	1.7
9	85	Austin Sand Filter	3	12
		Biofiltration Strip	1	1.2
		Biofiltration Swale	6	7.1
		Gross Solids Removal Device	26	36
		Infiltration Basin	1	1.4
10	69	Austin Sand Filter	5	19
		Biofiltration Strip	4	10
		Biofiltration Swale	16	17
		Detention Basin	1	5.4
		Gross Solids Removal Device	5	7.8
		Other	1	Unknown
11	63	Austin Sand Filter	18	56
		Biofiltration Strip	1	2.8
		Biofiltration Swale	32	37
		Gross Solids Removal Device	16	14
		Infiltration Basin	2	4.9
		Other	1	Unknown
12	95	Biofiltration Strip	1	0.4
		Biofiltration Swale	4	6.1
13	88	No BMPs Proposed		

14	91	Austin Sand Filter	1	1.1
		Biofiltration Strip	11	12
		Biofiltration Swale	13	25
		Gross Solids Removal Device	19	28

Source Controls[5]	
Clean-Up of Illegal Dumping	Illegal dumping is prohibited by state and local laws and is enforced by the California Highway Patrol (CHP) and local law enforcement agencies. Caltrans relies on CHP and Caltrans staff to investigate and resolve reports of suspected illegal connections and illicit discharges. Caltrans has trained in-house and contract hazardous response staff to manage and clean up spills. Caltrans District 7 prepares and implements a Hazardous Spill Contingency Plan on an annual basis.
Prohibition of Non-Storm water Discharges	Caltrans prohibits non-storm water discharges to the MS4 and reduces pollution caused by wastes associated with non-storm water discharges to the maximum extent practicable. Caltrans implements BMPs through their construction, design and maintenance divisions to control non-storm water pollutants.
Public Education on Littering	Caltrans partners with various organizations at both the state and local levels, focusing on educating and motivating the public to modify peoples' behavior regarding stormwater pollution. District NPDES Coordinators work with the District's Public Information Officer to educate the public about stormwater pollution. Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year. Caltrans staff volunteers collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign through their "Protect Every Drop" campaign, which addresses key actions the public can take to properly dispose of trash and pollutants.
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces, which removes tracked sediment and other materials to prevent them from entering a storm drain or watercourse.

BMP Effectiveness
Not applicable. Waste load allocations are assigned as allowable exceedance days.

Cooperative Implementation[7]			
Project Name	Project Description	Caltrans Contribution	Compliance Units
Long Beach Municipal Urban Stormwater Treatment Project	This project will result in the creation of a facility that will provide treatment of urban runoff prior to going into the Los Angeles River. The water produced by the Long Beach Municipal Urban Stormwater Treatment Project Recycle Facility would be treated to meet Title 22 regulations for recycled water, as required by the State of California.	$28,000,000	12

Progress Towards Achieving WLAs and Performance Standards[2,5,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Bacteria	Caltrans is in compliance with bacteria waste load allocations for dry-weather flows in the Los Angeles River watershed, since Caltrans does not contribute any dry-weather discharge from its ROW. Caltrans is not expected to be in compliance with bacteria waste load allocations for wet-weather flows in the Los Angeles River watershed. Monitoring results show a high amount of exceedances within the Los Angeles River watershed. Caltrans minimizes wet-weather discharges from its ROW into receiving waterbodies impaired for bacteria by implementing treatment BMPs and source control/preemptive activities such as street sweeping, clean-up of illegal dumping, prohibition of non-storm water discharges, and public education on littering as described above. Additionally, Caltrans participates and funds cooperative implementation efforts within the Los Angeles River watershed in order to further mitigate the discharge of bacteria into the watershed. As an additional pollutant control measure, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. One-hundred fifteen SHOPP projects (PID, PAED, and/or PS&E) are planned in the Los Angeles River watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Los Angeles River Watershed Bacteria TMDL

Quantification of Pollutant Removal	
Pollutant	Quantity Removed
Bacteria	Not applicable. Waste load allocations are assigned as allowable exceedance days.

Compliance Units Achieved[8]
348

Total Area Treated (acres)[9]
2,647

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Los Angeles River Watershed Bacteria TMDL Staff Report* (2010); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *Statewide Storm Water Management Plan* (2016); and Caltrans *TMDL Implementation Plan* (January 2015).

[6] Source: *Cooperative Implementation Agreement* for the Long Beach Municipal Urban Stormwater Treatment Project (May 6, 2016).

[7] Sources: Caltrans *TMDL Implementation Plan* (January 2015); *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; and Caltrans *Monitoring Results Report: Fiscal Year 2016-2017.*

[8] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017, and do not include Compliance Units claimed from Cooperative Agreements.

[9] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Los Cerritos Metals TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	17,725
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	175
Percent of Caltrans ROW in TMDL Watershed	0.99%
TMDL Pollutants	Metals (Cu, Pb, Zn)

Caltrans Waste Load Allocations (WLAs)[2]		
Pollutant	Dry-Weather	
	Caltrans Calculated WLA (g/day)	
Copper (Cu)	1	
Pollutant	Wet-Weather	
	Caltrans WLA Equation (g/day)	Caltrans Calculated WLA (g/day)[3]
Copper (Cu)	0.070 * daily storm volume * 10^{-6}	55
Lead (Pb)	0.397 * daily storm volume * 10^{-6}	313
Zinc (Zn)	0.680 * daily storm volume * 10^{-6}	536

Best Management Practices (BMPs)[4]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[5]
1	93	Austin Sand Filter	5	6.9
		Biofiltration Swale	15	82
		Detention Basin	2	16
		DPP (Design Pollution Prevention)	1	0.19
		Gross Solids Removal Device	8	10
		Other	1	Unknown

BMP Effectiveness[6]			
Treatment BMP Type	Total Cu Removal	Total Pb Removal	Total Zn Removal
Austin Sand Filter	83%	92%	87%
Biofiltration Swale	69%	62%	75%
Detention Basin	68%	70%	63%

Los Cerritos Metals TMDL

Cooperative Implementation[7]			
Project Name	Project Description	Caltrans Contribution	Compliance Units
Lakewood (Bolivar Park) Water Capture Project	This park is currently irrigated with potable water that could be partially replaced with treated runoff directed from a flood control channel and stored for irrigation use. The proposed project will provide 8 acre-feet of the required capture volume. It will also include true and operational source control (pollution prevention) and TSS reduction. In addition, it will implement distributed LID and green streets to reduce the need for expensive centralized water capture facilites.	$11,000,000	82
Los Cerritos Channel Sub-Basin 4 Water Capture Project	This project will construct a water capture facility within the context of a water quality compliance plan for the Los Cerritos Channel. The project will include a diversion structure to re-direct all dry-weather urban runoff and the first flush of wet-weather runoff from the channel through one or more large separators to remove trash, debris, and sediment before conveying the water into a large, buried, multi-chambered storage/infiltration facility that will be located in the Skylinks Golf Course adjacent to the Los Cerritos Channel.	$11,000,000	75
Bellflower Water Capture Facility Project	The proposed water capture facility at Mayfair High School will include a diversion structure to redirect all dry-weather urban runoff and the first flush of wet-weather runoff from the channel through one or more pre-treatment devices. The pre-treatment devices will remove trash, debris, and sediment before conveying the water into a large, buried multi-chambered storage/infiltration facility with a targeted storage capacity of at least eight acre-feet.	$13,000,000	Compliance units were not claimed as of Fiscal Year 2016-2017, but will be claimed in the future.
Mayfair Park Water Capture Facility Project	The proposed water capture facility at Mayfair Park will include a diversion structure to redirect all dry-weather urban runoff and the first flush of wet-weather runoff from the channel through one or more pre-treatment devices. The pre-treatment devices will remove trash, debris, and sediment before conveying the water into a large, buried multi-chambered storage/infiltration facility with a targeted storage capacity of at least 10 acre-feet.	$15,000,000	Compliance units were not claimed as of Fiscal Year 2016-2017, but will be claimed in the future.

Progress Towards Achieving WLAs and Performance Standards[2,7,8]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Metals (Cu, Pb, Zn)	Caltrans has no discharge during dry-weather conditions; therefore, Caltrans is in compliance for dry-weather waste load allocations for metals in the Los Cerritos Channel. Caltrans implements control measures to minimize the discharge of metals. Although Caltrans is not in compliance with wet-weather waste load allocations for copper and zinc, it is making progress towards compliance. Caltrans implements appropriate control measures to reduce the discharge of dissolved fraction metals, such as physical structures that prevent contaminated runoff from reaching receiving waters. Caltrans is in compliance with wet-weather waste load allocations for lead. According to the State Water Resources Control Board's Annual Performance Report, the Water Quality Report Card for the Los Cerritos Channel shows water quality conditions are improving in the Los Cerritos Channel Watershed. Data from the report shows that numeric targets for lead in wet-weather appear to be achieved. The water quality report card also states that the Los Cerritos Channel Watershed may be eligible for removal from the 303(d) list of impaired water bodies. Wet-weather impairments for copper and zinc continue to persist. As an additional mitigation measure, Caltrans reduces the sediment transport of metals by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the Los Cerritos Channel watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems are inspected on an as-needed basis. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Additionally, Caltrans participates and funds cooperative implementation efforts within the Los Cerritos watershed in order to further mitigate the discharge of metals into the watershed. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Eight SHOPP projects (PID, PAED, and/or PS&E) are planned in the Los Cerritos Channel Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Los Cerritos Metals TMDL

Quantification of Pollutant Removal[6,9]	
Pollutant	Removed (g/day)
Total Cu	116
Total Pb	77
Total Zn	598

Compliance Units Achieved[10]
36

Total Area Treated (acres)[11]
116

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Los Cerritos Channel TMDL for Metals Staff Report* (2010); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] The daily flow volume is the estimated runoff volume in the Los Cerritos channel for the 85th percentile 24 hour event. Data for runoff was derived from Reasonable Assurance Analysis for Lower Los Angeles River, Los Cerritos Creek, and Lower San Gabriel River (2015). Loads removed are estimated from the proposed and implemented BMPs.

[4] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[5] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[6] Source: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[7] Sources: *Cooperative Implementation Agreement for the Lakewood Water Capture Project* (June 29, 2015); *Cooperative Implementation Agreement for the Los Cerritos Channel Sub-basin 4 Water Capture Project* (June 29, 2015); *Cooperative Implementation Agreement for the Bellflower Water Capture Project* (June 13, 2016); and *Cooperative Implementation Agreement for the Mayfair Park Water Capture Project* (June 20, 2016).

[8] Sources: Caltrans *TMDL Implementation Plan* (January 2015); State Water Resources Control Board's *Annual Performance Report,* Fiscal Year 2015-2016; and Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[9] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[10] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017, and do not include Compliance Units claimed from Cooperative Agreements.

[11] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Lost River Nitrogen and Biochemical Oxygen Demand to Address Dissolved Oxygen and pH Impairments TMDL

Caltrans District	2
RWQCB Number	1
TMDL Watershed Area (acres)	508,266
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	388
Percent of Caltrans ROW in TMDL Watershed	0.08%
TMDL Pollutants	Nitrogen and Biochemical Oxygen Demand to address Dissolved Oxygen and pH Impairments

Waste Load Allocations (WLAs)[2]			
Pollutant	Caltrans WLA		
	Segment	Dissolved Inorganic Nitrogen (average kg/day)	Carbonaceous Biochemical Oxygen Demand (CBOD) (average kg/day)
Nitrogen and Biochemical Oxygen Demand to address Dissolved Oxygen and pH Impairments	Lost River from border of Tule Lake Refuge	0.3	0.5
	Tule Lake Refuge	0.3	0.5
	Lower Klamath Refuge	0.3	0.5

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area in Caltrans ROW (acres)[4]
1	326	Infiltration Basin	1	Unknown
2	327	Traction Sand Trap	1	Unknown

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Infiltration Basin	100%
Traction Sand Trap	60%

Progress Towards Achieving WLAs and Performance Standards[2,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Nitrogen and Biochemical Oxygen Demand to address Dissolved Oxygen and pH Impairments	Caltrans is expected to comply with nitrogen and biochemical oxygen demand to address dissolved oxygen and pH impairments waste load allocations in the Lost River watershed. Caltrans controls the discharge of nitrogen and biochemical oxygen demand through the control of sediment. Also, Caltrans implements and maintains structural BMPs to mitigate sediment in the Lost River watershed. Additionally, Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Lost River watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Monitoring results show no exceedances for total settleable solids samples. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems should be inspected on an as-needed basis. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. One SHOPP project (PID, PAED, and/or PS&E) is planned in the Lost River watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Lost River Nitrogen and Biochemical Oxygen Demand to Address Dissolved Oxygen and pH Impairments TMDL

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (kg/day)
Total Suspended Solids (TSS)	Not available due to unknown BMP tributary drainage area.

Compliance Units Achieved[7]
0

Total Area Treated (acres)
Not available due to unknown BMP tributary drainage area.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Lost River, California TMDL for Nitrogen and Biochemical Oxygen Demand to address Dissolved Oxygen and pH Impairments Staff Report* (2008); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; Caltrans *TMDL Implementation Plan* (January 2015); and Caltrans *Monitoring Results Report: Fiscal Year 2016-2017.*

[7] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Lower Eel River Temperature and Sediment TMDL

Caltrans District	1
RWQCB Number	1
TMDL Watershed Area (acres)	191,102
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	532
Percent of Caltrans ROW in TMDL Watershed	0.28%
TMDL Pollutants	Sediment and Temperature

Waste Load Allocations (WLAs)[2]							
Pollutant	Watershed WLAs						
Sediment	Sediment Source		1955-2003 Loading (tons/mi^2/ year)	Load Allocation (tons/mi^2/ year)	1955-2003 Loading (tons/mi^2/ day)	Load Allocation (tons/mi^2/ day)	Percent Reduction 1955-2003
	Natural Load Allocation		718	718	2	2.0	0%
	Roads	Episodic	43	9	0.1	0.02	80%
		Chronic	115	17	0.3	0.05	85%
	Timber Harvest		590	147	1.6	0.4	75%
	Skid Trail		7	1	0.02	0.5	90%
	Bank Erosion		21	6	0.1	0.03	70%
	Total Human-related Load Allocation		775	180	2.1	0.5	77%
	Total Load Allocations Natural and Human Related Sources		1,493	898	4.1	2.5	-
	Caltrans WLA						
	The waste load allocation is expressed as equivalent to the load allocations. The U.S. EPA did not assign a specific sediment waste load allocation to Caltrans. The values above apply to the entire watershed.						
Temperature	The required temperature load reduction is 17%.						
	The U.S. EPA's waste load allocation for the temperature TMDL is zero (0) net increase in receiving water temperature.						

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	219	No BMPs Proposed		
2	365	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Slopes Prone to Erosion[4]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	31.85	32.25	TBD
1	39.25	39.38	TBD
1	42.11	42.85	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Lower Eel River Temperature and Sediment TMDL

Progress Towards Achieving WLAs and Performance Standards[2,4,5]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the Lower Eel River Watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Lower Eel River Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified three slopes in the Lower Eel River Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Four SHOPP projects (PID, PAED, and/or PS&E) are planned in the Lower Eel River Watershed that will include treatment BMPs.
Temperature	Caltrans is expected to be in compliance with the temperature waste load allocation by not altering the natural temperature. Caltrans preserves existing riparian biotic conditions immediately adjacent to, and provides effective shade near, receiving waters susceptible to temperature increases. Any alteration of riparian biotic conditions that may increase sedimentation or reduce effective shade requires that Caltrans obtain written authorization by the applicable RWQCB Executive Officer or designee prior to beginning work. According to the State Water Resources Control Board's *Annual Performance Report,* the Water Quality Report Card for Lower Eel River shows conditions are improving in the Lower Eel River tributaries as water quality data demonstrates that temperatures have been getting colder since the 1990s. Implementation of nonpoint source regulatory programs are also effectively ensuring protection of riparian shade.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[6]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Lower Eel River Sediment and Temperature TMDL Staff Report* (2007); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); and the State Water Resources Control Board's *Annual Performance Reports* Fiscal Year 2014-2015 and Fiscal Year 2015-2016.

[6] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Machado Lake Eutrophic, Algae, Ammonia, and Odors (Nutrients) TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	14,820
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	255
Percent of Caltrans ROW in TMDL Watershed	1.7%
TMDL Pollutants	Eutrophic, Algae, Ammonia, and Odors (Nutrients)

Waste Load Allocations (WLAs)[2]	
Pollutant	Watershed WLA
Total Phosphorus	0.1 mg/L
Total Nitrogen	1.0 mg/L
Note: There is no specific Caltrans WLA for total phosphorus or total nitrogen in the Machado Lake watershed.	

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	41	Austin Sand Filter	1	4.2
		Biofiltration Swale	5	15
		Gross Solids Removal Devices	10	11

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Austin Sand Filter	93%
Biofiltration Swale	48%

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	0.00	59.90	TBD
1	9.78	62.87	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Cooperative Implementation[7]		
Project Name	Project Description	Caltrans Contribution
Carriage Crest Water Capture Facility Project	The water will either be treated for irrigation uses on the park or be transferred to the nearby Joint Water Pollution Control Plant (JWPCP) where it would receive primary and secondary treatment and be available for a proposed advanced treatment facility to be operated by the Metropolitan Water District. Compliance units will not be claimed as of Fiscal Year 2016-2017, but will be claimed in the future.	$13,000,000

Machado Lake Eutrophic, Algae, Ammonia, and Odors (Nutrients) TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6,8]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Eutrophic, Algae, Ammonia, and Odors (Nutrients)	Caltrans is expected to be in compliance with eutrophic, algae, ammonia, and odors (nutrients) waste load allocations in the Machado Lake watershed. Caltrans controls the discharge of nutrients through the control of sediment. Caltrans implements and maintains structural BMPs to mitigate sediment in the Machado Lake watershed. Additionally, Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Machado Lake watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified two slopes in the Machado Lake watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Additionally, Caltrans participates and funds cooperative implementation efforts within the Machado Lake watershed in order to further mitigate the discharge of eutrophic, algae, ammonia, and odors (nutrients) into the watershed. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Three SHOPP projects (PID, PAED, and/or PS&E) are planned in the Machado Lake watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[8]	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	592

Compliance Units Achieved[9]
0

Total Area Treated (acres)[10]
30

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Machado Lake Eutrophic, Algae, Ammonia, and Odors (Nutrient) TMDL Staff Report* (2008); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Source: *Cooperative Implementation Agreement for the Carriage Crest Water Capture Facility Project* (April 21, 2016).

[8] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Machado Lake Pesticides and PCBs TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	14,820
Caltrans Right-of Way (ROW) Area in TMDL (acres)[1]	255
Percent of Caltrans ROW in TMDL Watershed	1.7%
TMDL Pollutants	Pesticides and PCBs

Caltrans Waste Load Allocations (WLAs)[2]		
Pollutant	WLA for Suspended Sediment-Associated Contaminants (µg/kg dry weight)	Calculated WLA (µg/day)[3,4]
Total PCBs	59.8	1,314,468
DDT	4.16	91,441
DDE	3.16	69,460
DDD	4.88	107,268
Total DDT	5.28	116,060
Chlordane	3.24	71,219
Dieldrin	1.9	41,764
Note: Waste load allocations are applied with a 3-year averaging period.		

Best Management Practices (BMPs)[5]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[6]
1	40	Austin Sand Filter	1	4.2
		Biofiltration Swale	5	15
		Gross Solids Removal Device	10	11
Source Controls[7]				
Public Education	Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year. Caltrans staff volunteers to collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign with the Caltrans "Protect Every Drop" campaign.			
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces, which removes tracked sediment and other materials to prevent them from entering a storm drain or watercourse.			
Storm Drain Maintenance	Caltrans cleans the storm drainage system inlets and culverts of accumulated materials. These activities are conducted manually and by vactor trucks. Caltrans District 7 performs additional inspection and cleaning through its Enhanced Annual Storm Drain Inlet Inspection and Cleaning Program in metropolitan areas.			

BMP Effectiveness[4]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Austin Sand Filter	93%
Biofiltration Swale	48%

Slopes Prone to Erosion[8]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	0.00	59.90	TBD
1	9.78	62.87	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Machado Lake Pesticides and PCBs TMDL

Cooperative Implementation[9]		
Project Name	Project Description	Caltrans Contribution
Carriage Crest Water Capture Facility Project	The water will either be treated for park irrigation uses or transferred to the nearby Joint Water Pollution Control Plant (JWPCP) where it would receive primary and secondary treatment and be available for a proposed Metropolitan Water District advanced treatment facility. Compliance units were not claimed as of Fiscal Year 2016-2017, but will be claimed in the future.	$13,000,000

Progress Towards Achieving WLAs and Performance Standards[2,7,8,9,10]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Pesticides	Caltrans is expected to comply with pesticide waste load allocations in the Machado Lake watershed since pesticide usage has been regulated. Additionally, Caltrans does not use pesticides within its ROW. Although Caltrans does not use pesticides within its ROW, Caltrans complies with Provision E.2.h.3)b) of the Caltrans Conformed NPDES Permit which specifies practices for the safe handling and use of pesticides, including compliance with federal, state and local regulations, and label directions. Caltrans is also required to perform site assessments, applicator training, and implementation of integrated pest and vegetation management practices when using pesticides in order to prevent pesticide discharge in stormwater runoff in the Machado Lake watershed. As an additional mitigation measure, Caltrans reduces the sediment transport of pesticides by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the Machado Lake watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
PCBs	Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the Machado Lake watershed. Therefore, Caltrans is expected to comply with PCBs waste load allocations in the Machado Lake watershed. Additionally, monitoring results show a consistent decline in PCBs from 1997 to 2015. Toxic pollutants have a high affinity for adherence to fine sediment. Therefore, the appropriate control measures for toxic pollutants are to control erosion and prevent or minimize the discharge of fine sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Machado Lake watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Additional Measures to Achieve WLAs for All Pollutants	Caltrans implements and maintains structural BMPs to mitigate sediment in the Machado Lake watershed. Additionally, Caltrans is coordinating with local municipalities through the Carriage Crest Water Capture Facility Project which will help improve water quality in this watershed. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified two slopes in the Machado Lake watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Additionally, Caltrans participates and funds cooperative implementation efforts within the Los Cerritos watershed in order to further mitigate the discharge of metals into the watershed. As an additional pollution control measure, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Two SHOPP projects (PID, PAED, and/or PS&E) are planned in the Machado Lake sub-watershed that include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[4,11]	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	572

Machado Lake Pesticides and PCBs TMDL

Compliance Units Achieved[12]
0

Total Area Treated (acres)[13]
30

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: Attachment A to Resolution No. R10-008; and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] The WLA is calculated by the association of the WLA for suspended sediment-associated contaminants (µg/kg dry weight) and the TSS of highway runoff concentration.

[4] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[5] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[6] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[7] Source: Caltrans *Statewide Storm Water Management Plan* (2016).

[8] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[9] Source: *Cooperative Implementation Agreement for the Carriage Crest Water Capture Facility Project* (April 21, 2016).

[10] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[11] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[12] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[13] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Machado Lake Trash TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	14,820
Caltrans Right-of Way (ROW) Area in TMDL (acres)[1]	255
Percent of Caltrans ROW in TMDL Watershed	1.7%
TMDL Pollutant	Trash

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Trash	0 or 0% of the baseline load (zero trash)

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	39	Austin Sand Filter	1	4.2
		Biofiltration Swale	5	15
		Gross Solids Removal Device	10	11
Source Controls[5,6]				
Adopt-A-Highway Program	The Adopt-A-Highway Program provides an avenue for individuals, organizations, and businesses to help maintain sections of roadside for various activities including litter removal within California's State Highway System. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 1,542 yd^3 of trash through the Adopt-A-Highway Program.			
California Conservation Corps and Caltrans Parolee Program[7]	The Division of Maintenance has partnership programs with the California Department of Corrections and Rehabilitation and the California Conservation Corps. Parolees and Corps employees provide contracted services to assist in the removal of trash and litter from the ROW. As of Fiscal Year 2015-2016, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection, and 5,807 yd^3 of trash through the Caltrans Parolee Program.			
District Crew Collection[7]	Caltrans crews conduct manual cleanup of trash and litter from the ROW. As mentioned above, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection in Fiscal Year 2015-2016. Litter removal for the I-110 freeway is performed twice a month.			
Public Education	Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year Caltrans staff volunteers to collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign with the Caltrans "Protect Every Drop" campaign. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 589 yd^3 of trash through Public Education.			
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 12,024 yd^3 of trash through Roadway Sweeping.			
Storm Drain Maintenance	Caltrans cleans the storm drainage system inlets and culverts of accumulated materials. These activities are conducted manually and by Vactor trucks. Caltrans District 7 performs additional inspection and cleaning through its Enhanced Annual Storm Drain Inlet Inspection and Cleaning Program in metropolitan areas. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 7,390 yd^3 of trash from Storm Drain Maintenance activities.			

BMP Effectiveness[8]	
Treatment BMP Type	Removal Efficiency
Austin Sand Filter	Certified Full Capture Device (100% Trash Removal Efficiency)
Biofiltration Swale	Partial Trash Removal
Gross Solids Removal Device	Certified Full Capture Device (100% Trash Removal Efficiency)

Cooperative Implementation[9]		
Project Name	Project Description	Caltrans Contribution
Carriage Crest Water Capture Facility Project	The water will either be treated for park irrigation uses or transferred to the nearby Joint Water Pollution Control Plant (JWPCP) where it will receive primary and secondary treatment, and be available for a proposed Metropolitan Water District advanced treatment facility. Compliance units were not claimed as of Fiscal Year 2016-2017, but will be claimed in the future.	$13,000,000

Machado Lake Trash TMDL

Progress Towards Achieving WLAs and Performance Standards[2,5,6,9,10]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Trash	Although there have been significant improvements in the reduction of trash, measures are not sufficient for Caltrans to achieve waste load allocations for the Machado Lake Watershed. Caltrans uses several types of trash removal devices in the Machado Lake Watershed, including Austin sand filters, biofiltration swales, and gross solids removal devices. Caltrans also implements non-structural BMPs in the Machado Lake Watershed to mitigate trash including sweeping, drain inlet cleaning, trash collection, storm drain stenciling, covered trash bins, public education, and public participation. Additionally, Caltrans has increased the frequency of the Adopt-A-Highway program to treat beyond the minimum permit requirements. Caltrans also collaborates with the California Public Education Campaign to further engage in public education. Moreover, programs such as the Caltrans Parolee Program, California Conservation Corps, District Crew Collection, and Storm Drain Maintenance activities help remove trash from the Caltrans ROW. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Three SHOPP projects (PID, PAED, and/or PS&E) are planned in the Machado Lake Watershed that will include treatment BMPs. Additionally, Caltrans participates and funds cooperative implementation efforts within the Machado Lake watershed in order to further mitigate the discharge of trash into the watershed.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Acres Treated for Trash[11]
15

Compliance Units Achieved[12]
0

Total Area Treated (acres)[13]
30

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Trash TMDL for Machado Lake in the Dominguez Channel Watershed Staff Report* (2007); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); Caltrans *Annual Report* Fiscal Year 2015-2016, Appendix E; Caltrans *District 7 Litter Management Pilot Study* (June 2000); and *Trash Monitoring and Reporting Plan: Machado Lake Trash TMDL* (2008).

[6] Source: Caltrans *Project Planning and Design Guide* (2016).

[7] The data value was reported as a combined volume of trash removed from the District Crew Collection and California Conservation Corps. Volumes for each source control could not be individually separated.

[8] Source: Certified as Full Capture Systems by the State Water Resources Control Board Executive Director Certification as listed on the Multi-Benefit Treatment System List.

[9] Source: *Cooperative Implementation Agreement for the Carriage Crest Water Capture Facility Project* (April 21, 2016).

[10] Sources: Caltrans *District Work Plans* Fiscal Years 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, Fiscal Year 2017-2018.

[11] The acres represented include Caltrans impervious and pervious area treated by certified full capture devices with 100% trash removal efficiency.

[12] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[13] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Mad River Sediment and Turbidity TMDL

Caltrans District	1
RWQCB Number	1
TMDL Watershed Area (acres)	322,199
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	318
Percent of Caltrans ROW in TMDL Watershed	0.1%
TMDL Pollutants	Sediment and Turbidity

Waste Load Allocations (WLAs)[2]

Pollutant	Watershed WLAs						
Total Sediment	Sediment Source		Average Annual		Average Daily		Percent Reduction over 1976-2006 Period
			1976-2006 Loading (tons/mi^2/year)	Load Allocation (tons/mi^2/year)	1976-2006 Loading (tons/mi^2/day)	Load Allocation (tons/mi^2/day)	
	Natural Load Allocation		894	894	2.4	2.4	0%
	Roads	Landslides	1,298	None	None	None	None
		Surface	242	None	None	None	None
	Roads Subtotal		1,540	174	4.2	0.5	89%
	Harvest	Landslide	38	None	None	None	None
		Surface	2	None	None	None	None
	Harvest Subtotal		40	5	0.1	0.01	89%
	Total Human-related Load		1,580	179	4.3	0.5	89%
	Total Load: All Sources		2,474	1,073	6.8	209	57%
	Caltrans WLA						
	The sediment waste load allocation is equivalent to the load allocations as shown above. Caltrans' waste load allocation is the total sediment load for all sources at 1,073 tons/mile^2/year.						
Turbidity	Caltrans WLA						
	The turbidity waste load allocation is represented in the total sediment load.						

Best Management Practices (BMPs)[3]

Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	222	Infiltration Trench	1	5
2	214	No BMPs Proposed		
3	367	No BMPs Proposed		
4	368	No BMPs Proposed		
5	206	No BMPs Proposed		
6	366	No BMPs Proposed		

BMP Effectiveness[5]

Treatment BMP Type	TSS Removal Efficiency
Infiltration Trench	100%

Slopes Prone to Erosion[6]

Route	Post Mile Start	Post Mile End	Scheduled Stabilization
36	1.66	2.12	TBD
101	81.89	99.40	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Mad River Sediment and Turbidity TMDL

Fish Passage Remediation[7]
As of December 2015, Caltrans has completed one fish passage remediation project in the Mad River watershed totaling approximately $850,000 and 4.83 compliance units.

Progress Towards Achieving WLAs and Performance Standards[2,6,8]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment and Turbidity	Caltrans is expected to be in compliance with the sediment and turbidity waste load allocations in the Mad River Watershed. However, only 6% of the roads in the watershed are paved, and Caltrans' ROW area comprises 0.1% of the total watershed area, for which Caltrans actively mitigates sediment discharge. Caltrans implements control measures to prevent or minimize erosion and sediment discharge by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Additionally, Caltrans implements structural BMPs, such as infiltration trenches, which are effective in removing sediment. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified two slopes in the Mad River Watershed that are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Nine SHOPP projects (PID, PAED, and/or PS&E) are planned in the Mad River Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal (tons/year)[5,9]	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	0.30

Compliance Units Achieved[10]
0

Total Area Treated (acres)[11]
5

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Mad River TMDL for Sediment and Turbidity Staff Report* (2007); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Source: *Fish Passage Report* to the Legislature (2015).

[8] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[9] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed.

[10] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[11] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Malibu Creek Watershed Bacteria TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	70,369
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	279
Percent of Caltrans ROW in TMDL Watershed	0.4%
TMDL Pollutant	Bacteria

Waste Load Allocations (WLAs)[2]					
Pollutant	**Watershed WLA**				
Bacteria	Location	Dry-Weather (non-wet day)		Wet-Weather* (0.1 inch or more of rain and 3 days following the rain event)	
		Allowable Number of Exceedance Days		Allowable Number of Exceedance Days	
		Daily Sampling (No. days)	Weekly Sampling (No. days)	Daily Sampling (No. days)	Weekly Sampling (No. days)
	Malibu Creek and its Tributaries	5	1	15	2
	Malibu Lagoon	9	2	17	3
	Compliance Deadline	January 24, 2012		July 15, 2021	
	Note: The waste load allocation for the geometric mean limits is zero (0) days of allowable exceedances. The waste load allocation for summer-dry weather is zero (0) days of allowable exceedances for all locations. Wet-Weather is designated as the critical condition.				

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	21	Gross Solids Removal Device	1	1.3
2	37	Austin Sand Filter	1	1.9
		Biofiltration Strip	12	16
		Biofiltration Swale	11	11
		DPP (Design Pollution Prevention)	1	4.4
3	45	Austin Sand Filter	2	7.7
		Biofiltration Strip	2	5.8
		Biofiltration Swale	4	8.9
4	18	Austin Sand Filter	1	1.1
		Biofiltration Strip	7	9.6
		Biofiltration Swale	6	6.7
		Gross Solids Removal Device	1	Unknown
5	7	Austin Sand Filter	6	16
		Biofiltration Strip	8	12
		Biofiltration Swale	15	28
		Gross Solids Removal Device	3	7.3

Malibu Creek Watershed Bacteria TMDL

Source Controls[5]	
Clean-Up of Illegal Dumping	Illegal dumping is prohibited by state and local laws and is enforced by the California Highway Patrol (CHP) and local law enforcement agencies. Caltrans relies on CHP and Caltrans staff to investigate and resolve reports of suspected illegal connections and illicit discharges. Caltrans has trained in-house and contract hazardous response staff to manage and clean up spills. Caltrans District 7 prepares and implements a Hazardous Spill Contingency Plan on an annual basis.
Prohibition of Non-Storm water Discharges	Caltrans prohibits non-storm water discharges to the municipal separate storm sewer system and reduces pollution caused by wastes associated with non-storm water discharges to the maximum extent practicable. Caltrans implements BMPs through their construction, design and maintenance divisions to control non-storm water pollutants.
Public Education on Littering	Caltrans partners with various organizations at both the state and local levels, focusing on educating and motivating the public to modify their behavior regarding stormwater pollution. District NPDES Coordinators work with the District's Public Information Officer to educate the public about stormwater pollution. Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year. Caltrans staff volunteer to collect litter and raise public awareness about the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign through their "Protect Every Drop" campaign, which addresses key actions the public can take to properly dispose of trash and pollutants.
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces, which removes tracked sediment and other materials to prevent them from entering a storm drain or watercourse.

BMP Effectiveness
Not applicable. Waste load allocations are assigned as allowable exceedance days.

Progress Towards Achieving WLAs and Performance Standards[2,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Bacteria	Caltrans is in compliance with bacteria waste load allocations for dry-weather flows in the Malibu Creek watershed, since Caltrans does not contribute any dry-weather discharge from its ROW. According to the State Water Resources Control Board's Annual Performance Report,the Water Quality Report Card shows a significant improvement during dry weather and Malibu Creek has consistently met winter and summer dry-weather targets since 2010. Caltrans is not expected to be in compliance with bacteria waste load allocations for wet-weather flows in the Malibu Creek watershed. Monitoring results show a high amount of exceedances within the Malibu Creek watershed. Caltrans minimizes wet-weather discharges from its ROW into receiving waterbodies impaired for bacteria by implementing treatment BMPs and source control/preemptive activities such as street sweeping, clean-up of illegal dumping, prohibition of non-storm water discharges, and public education on littering as described above. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Thirteen SHOPP projects (PID, PAED, and/or PS&E) are planned in the Malibu Creek watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed
Bacteria	Not applicable. Waste load allocations are assigned as allowable exceedance days.

Compliance Units Achieved[7]
10

Total Area Treated (acres)[8]
139

Malibu Creek Watershed Bacteria TMDL

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Bacteria Malibu Creek Watershed Staff Report* (2004); *Reconsideration of Certain Technical Matters of the Malibu Creek and Lagoon Bacteria TMDL* (2012); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *Statewide Storm Water Management Plan* (2016) and Caltrans *TMDL Implementation Plan* (January 2015).

[6] Sources: Caltrans *TMDL Implementation Plan* (January 2015); State Water Resources Control Board's *Annual Performance Report* Fiscal Year 2015-2016; *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; and Caltrans *Monitoring Results Report: Fiscal Year 2016-2017.*

[7] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[8] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Malibu Creek and Lagoon Sedimentation and Nutrients to address Benthic Community Impairments TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	70,369
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	279
Percent of Caltrans ROW in TMDL Watershed	0.4%
TMDL Pollutants	Sedimentation and Nutrients

Waste Load Allocations (WLAs)[2]		
Pollutant	Caltrans WLA[3]	
Sedimentation	44 tons/year	
Nutrients	Caltrans Summer WLA (April 15 - November 15)	Caltrans Winter WLA (November 16 - April 14)
Total Nitrogen	1.0 mg/L	4.0 mg/L
Total Phosphorus	0.1 mg/L	0.2 mg/L

Best Management Practices (BMPs)[4]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[5]
1	22	Gross Solids Removal Device	1	1.3
2	38	Austin Sand Filter	1	1.9
		Biofiltration Strip	12	16
		Biofiltration Swale	11	11
		DPP (Design Pollution Prevention)	1	4.4
3	3	Austin Sand Filter	2	7.7
		Biofiltration Strip	2	5.8
		Biofiltration Swale	4	8.9
4	19	Austin Sand Filter	1	1.1
		Biofiltration Strip	7	9.6
		Biofiltration Swale	6	6.7
		Gross Solids Removal Device	1	Unknown
5	8	Austin Sand Filter	6	16
		Biofiltration Strip	8	12
		Biofiltration Swale	15	28
		Gross Solids Removal Device	3	7.3

BMP Effectiveness[6]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Austin Sand Filter	93%
Biofiltration Strip	75%
Biofiltration Swale	48%

Slopes Prone to Erosion[7]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	0.00	59.90	TBD
1	9.78	62.87	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Malibu Creek and Lagoon Sedimentation and Nutrients to address Benthic Community Impairments TMDL

Progress Towards Achieving WLAs and Performance Standards[2,7,8]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sedimentation and Nutrients	Caltrans is expected to be in compliance with the sedimentation and nutrients waste load allocations in the Malibu Creek and Lagoon Watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Malibu Creek and Lagoon Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Additionally, Caltrans implements structural BMPs, such as austin sand filters, biofiltration strips, and biofiltration swales, which are effective in removing sediment. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified two slopes in the Malibu Creek and Lagoon Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Eleven SHOPP projects (PID, PAED, and/or PS&E) are planned in the Malibu Creek and Lagoon Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[6,9]	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	7.5

Compliance Units Achieved[10]
16

Total Area Treated (acres)[11]
139

Malibu Creek and Lagoon Sedimentation and Nutrients to address Benthic Community Impairments TMDL

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Malibu Creek And Lagoon TMDL for Sedimentation and Nutrients to Address Benthic Community Impairments* Staff Report (2013); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] WLA is calculated based on the methodology used in Table 10-2 of the *Malibu Creek And Lagoon TMDL for Sedimentation and Nutrients to Address Benthic Community Impairments* Staff Report (2013).

[4] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[5] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[6] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[7] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[8] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[9] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[10] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[11] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Malibu Creek Watershed Trash TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	70,369
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	279
Percent of Caltrans ROW in TMDL Watershed	0.4%
TMDL Pollutant	Trash

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Trash	0 or 0% of the baseline load (zero trash)

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	1	Gross Solids Removal Device	1	1.3
2	6	Austin Sand Filter	1	1.9
		Biofiltration Strip	12	16
		DPP (Design Pollution Prevention)	1	4.4
		Biofiltration Swale	11	11
3	17	Austin Sand Filter	2	7.7
		Biofiltration Strip	2	5.8
		Biofiltration Swale	4	8.9
4	20	Austin Sand Filter	1	1.1
		Biofiltration Strip	7	9.6
		Biofiltration Swale	6	6.7
		Gross Solids Removal Device	1	Unknown
5	36	Austin Sand Filter	6	16
		Biofiltration Strip	8	12
		Biofiltration Swale	15	28
		Gross Solids Removal Device	3	7.3

Source Controls[5,6]	
Adopt-A-Highway Program	The Adopt-A-Highway Program provides an avenue for individuals, organizations, and businesses to help maintain sections of roadside for various activities including litter removal within California's State Highway System. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 1,542 yd^3 of trash through the Adopt-A-Highway Program.
California Conservation Corps and Caltrans Parolee Program[7]	The Division of Maintenance has partnership programs with the California Department of Corrections and Rehabilitation and the California Conservation Corps. Parolees and Corps employees provide contracted services to assist in the removal of trash and litter from the ROW. As of Fiscal Year 2015-2016, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection, and 5,807 yd^3 of trash through the Caltrans Parolee Program.
District Crew Collection[7]	Caltrans crews conduct manual cleanup of trash and litter from the ROW. As mentioned above, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection in Fiscal Year 2015-2016.
Public Education	Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year Caltrans staff volunteers to collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign with the Caltrans "Protect Every Drop" campaign. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 589 yd^3 of trash through Public Education.
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 12,024 yd^3 of trash through Roadway Sweeping.

Slope/Soil Stabilization Area	Soil stabilization is placed to stabilize areas disturbed by grading operations, to reduce loss of soil due to the action of water or wind, and to prevent water pollution. There is one slope/soil stabilization area treating a total of 4.37 acres within Caltrans ROW.
Storm Drain Maintenance	Caltrans cleans the storm drainage system inlets and culverts of accumulated materials. These activities are conducted manually and by vactor trucks. Caltrans District 7 performs additional inspection and cleaning through its Enhanced Annual Storm Drain Inlet Inspection and Cleaning Program in metropolitan areas. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 7,390 yd^3 of trash from Storm Drain Maintenance activities.

BMP Effectiveness[8]	
Treatment BMP Type	Removal Efficiency
Austin Sand Filter	Certified Full Capture Device (100% Trash Removal Efficiency)
Biofiltration Strip	Partial Trash Removal
Biofiltration Swale	Partial Trash Removal
Gross Solids Removal Device	Certified Full Capture Device (100% Trash Removal Efficiency)

Progress Towards Achieving WLAs and Performance Standards[2,5,6,9]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Trash	Although there have been significant improvements in the reduction of trash, measures are not sufficient for Caltrans to achieve waste load allocations in the Malibu Creek Watershed. Caltrans employs several types of trash removal devices in the Malibu Creek Watershed including austin sand filters, biofiltration strips, biofiltration swales, and gross solids removal devices. Caltrans also employs non-structural BMPs in the Malibu Creek Watershed to mitigate trash including sweeping, drain inlet cleaning, trash collection, storm drain stenciling, slope/soil stabilization, covered trash bins, public education, and public participation. Additionally, Caltrans has increased the frequency of the Adopt-A-Highway program to treat beyond the minimum permit requirements. Caltrans also collaborates with the California Public Education Campaign to further engage in public education. Moreover, programs such as the Caltrans Parolee Program, California Conservation Corps, District Crew Collection, and Storm Drain Maintenance activities help remove trash from the Caltrans ROW. Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Twelve SHOPP projects (PID, PAED, and/or PS&E) are planned in the Malibu Creek Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Acres Treated for Trash[10]
35

Compliance Units Achieved[11]
7

Total Area Treated (acres)[12]
135

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Trash TMDL for the Malibu Creek Watershed Staff Report* (2007); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); Caltrans *Annual Report* Fiscal Year 2015-2016, Appendix E; and Caltrans *District 7 Litter Management Pilot Study* (June 2000).

[6] Source: Caltrans *Project Planning and Design Guide (* 2016).

[7] The data value was reported as a combined volume of trash removed from the District Crew Collection and California Conservation Corps. Volumes for each source control could not be individually separated.

[8] Source: Certified as Full Capture Systems by the State Water Resources Control Board Executive Director Certification as listed on the Multi-Benefit Treatment System List.

[9] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, Fiscal Year 2017-2018.

[10] The acres represented include Caltrans impervious and pervious area treated by certified full capture devices with 100% trash removal efficiency.

[11] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[12] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Marina del Ray Harbor Toxic Pollutants (Cu, Pb, Zn, Chlordane, and Total PCBs) TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	1,879
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	33
Percent of Caltrans ROW in TMDL Watershed	1.8%
TMDL Pollutants	Toxic Pollutants (Cu, Pb, Zn, Chlordane, and Total PCBs)

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Copper	0.045 kg/year
Lead	0.06 kg/year
Zinc	0.2 kg/year
Chlordane	0.0007 g/year
Total PCBs	0.03 g/year

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	164	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Progress Towards Achieving WLAs and Performance Standards[4]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Cu, Pb, Zn	Caltrans is not expected to comply with the copper, lead, and zinc waste load allocations in the Marina del Rey Harbor. Heavy metals have a high affinity for adhering to fine sediment. Therefore the appropriate control measures for heavy metals are to control erosion and prevent or minimize the discharge of fine sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Marina del Rey Harbor watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Total PCBs	Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the Marina del Rey Harbor watershed. Additionally, Caltrans does not use PCBs within its ROW. Therefore, Caltrans is expected to be in compliance with PCBs waste load allocations in the Marina del Rey Harbor watershed. Toxic pollutants have a high affinity for adhering to fine sediment. Therefore, the appropriate control measures for toxic pollutants are controlling erosion and preventing or minimizing the discharge of fine sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Marina del Rey Harbor watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Chlordane	Caltrans is expected to comply with chlordane waste load allocations in the Marina del Rey Harbor watershed since these organochlorine compounds are no longer in production and their usage has been regulated. Additionally, Caltrans does not use chlordane within its ROW. Although Caltrans does not use pesticides within its ROW, Caltrans complies with Provision E.2.h.3)b) of the Caltrans Conformed NPDES Permit which specifies practices for the safe handling and use of pesticides, including compliance with federal, state and local regulations, and label directions. Caltrans is also required to perform site assessments, applicator training, and implementation of integrated pest and vegetation management practices when using pesticides in order to prevent pesticide discharge in storm water runoff in the Marina del Rey Harbor watershed. As an additional mitigation measure, Caltrans reduces the sediment transport of chlordane by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the Marina del Rey Harbor watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.

Additional Measures to Achieve WLAs for All Pollutants	Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems are inspected on an as-needed basis. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[5]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Toxic Pollutants in Marina Del Rey Harbor Staff Report* (2005); *TMDL for Toxic Pollutants in Marina Del Rey Harbor Revised Final Staff Report* (2015); Attachment A to Resolution No. R14-004 2015, and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: Caltrans *TMDL Implementation Plan* (January 2015); and Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[5] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Marina del Ray Harbor Mothers' Beach and Back Basins Bacteria TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	1,879
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	33
Percent of Caltrans ROW in TMDL Watershed	1.8%
TMDL Pollutant	Bacteria

Waste Load Allocations (WLAs)[2]					
Pollutant	**Caltrans WLA**				
Bacteria	Location Name	Winter Dry-Weather		Wet-Weather (Critical Condition)	
		Allowable Number of Exceedance Days		Allowable Number of Exceedance Days	
		Daily Sampling (No. days)	Weekly Sampling (No. days)	Daily Sampling (No. days)	Weekly Sampling (No. days)
	Mothers' (Marina) Beach, at playground area	9	2	17	3
	Mothers' (Marina) Beach, at lifeguard tower	9	2	17	3
	Mothers' (Marina) Beach, between lifeguard tower and boat dock	9	2	17	3
	Basin D, near first slips outside swim area	9	2	17	3
	Basin E, in front of tide-gate from Oxford Basin	9	2	17	3
	Basin E, center of basin	9	2	17	3
	Basin E, in front of Broone-Olive Pump Outlet	9	2	17	3
	Back of Main Channel	9	2	17	3
	Basin F, center of basin	9	2	8	1
Compliance Deadline		March 18, 2007		July 15, 2021	
Note: The waste load allocation for the geometric mean targets is zero (0) days of allowable exceedances.The waste load allocation for summer-dry weather is zero (0) days of allowable exceedances for all locations (compliance deadline: March 18, 2007).					

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	165	No BMPs Proposed		

Marina del Ray Harbor Mothers' Beach and Back Basins Bacteria TMDL

Source Controls[4]	
Clean-Up of Illegal Dumping	Illegal dumping is prohibited by state and local laws and is enforced by the California Highway Patrol (CHP) and local law enforcement agencies. Caltrans relies on CHP and Caltrans staff to investigate and resolve reports of suspected illegal connections and illicit discharges. Caltrans has trained in-house and contract hazardous response staff to manage and clean-up spills. Caltrans District 7 prepares and implements a Hazardous Spill Contingency Plan on an annual basis.
Prohibition of Non-Storm Water Discharges	Caltrans prohibits non-storm water discharges to the municipal separate storm sewer system and reduces pollution caused by wastes associated with non-storm water discharges to the maximum extent practicable. Caltrans implements BMPs through their construction, design and maintenance divisions to control non-storm water pollutants.
Public Education on Littering	Caltrans partners with various organizations at both the state and local levels, focusing on educating and motivating the public to modify peoples' behavior regarding stormwater pollution. District NPDES Coordinators work with the District's Public Information Officer to educate the public about stormwater pollution. Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year. Caltrans staff volunteers collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign through their "Protect Every Drop" campaign, which addresses key actions the public can take to properly dispose of trash and pollutants.
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces, which removes tracked sediment and other materials to prevent them from entering a storm drain or watercourse.

BMP Effectiveness
No BMPs Proposed

Progress Towards Achieving WLAs and Performance Standards[2,5]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Bacteria	Caltrans is in compliance with indicator bacteria waste load allocations for dry-weather flows in Marina del Rey Harbor Mothers' Beach and Back Basins watershed, since Caltrans does not contribute any dry-weather discharge from its ROW. Caltrans is not expected to comply with indicator bacteria waste load allocations for wet-weather flows in the Marina del Rey Harbor Mothers' Beach and Back Basins watershed. Monitoring results show that the rolling 6-week geometric mean was exceeded at every sample site location. Caltrans minimizes wet-weather discharges from its ROW into receiving waterbodies impaired for bacteria by implementing treatment BMPs and source control/preemptive activities such as street sweeping, clean-up of illegal dumping, prohibition of non-storm water discharges, and public education on littering as described above. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed
Bacteria	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[6]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL to Reduce Bacterial Indicator Densities at Marina del Rey Harbor Mothers' Beach and Back Basins Staff Report* (2003); *Reconsideration of Certain Technical Matters of the Santa Monica Bay Beaches Bacteria TMDLs; the Marina del Rey Harbor Mothers' Beach and Back Basins Bacteria TMDL; and the Los Angeles Harbor Inner Cabrillo Beach and Main Ship Channel Bacteria TMDL Staff Report* (2012); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: Caltrans *Statewide Storm Water Management Plan* (2016); and Caltrans *TMDL Implementation Plan* (2015).

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; and *Examinations of TMDL Stations at Marina del Rey Harbor - Month of June 2015* (July 2015).

[6] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

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Middle Fork Eel River Temperature and Sediment TMDL

Caltrans District	1
RWQCB Number	1
TMDL Watershed Area (acres)	482,363
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	149
Percent of Caltrans ROW in TMDL Watershed	0.03%
TMDL Pollutants	Sediment and Temperature

Waste Load Allocations (WLAs)[2]							
Pollutant	Watershed WLAs						
Sediment (tons/mi^2/year)	Source	Black Butte	Elk Creek	Round Valley	Upper MF	Williams Thatcher	Basinwide Load
	TOTAL Natural	724	1,059	374	410	417	574
	Percent Reduction over current	0%	0%	0%	0%	0%	0%
	Subtotals Landslides	9	12	10	2	2	6
	Percent Reduction over current	0%	5%	5%	0%	5%	5%
	Subtotal Small Management Sources	7	41	9	8	19	23
	Percent Reduction over current	0%	32%	95%	0%	89%	70%
	Total Management Related	16	53	19	10	21	29
	Percent Reduction over current	0%	27%	91%	0%	88%	65%
	TMDL-ALL SOURCES	740	1,112	393	420	438	603
	Percent Reduction over current	0%	2%	32%	0%	26%	8%
	% Natural	98%	95%	95%	95%	95%	95%
	% Management	2%	5%	5%	5%	5%	5%
	Caltrans WLA						
	The waste load allocation is expressed as equivalent to the load allocations. The U.S. EPA did not set a specific sediment waste load allocation to Caltrans.						
Temperature	Caltrans WLA						
	There is no specified temperature waste load allocation assigned to Caltrans in the Middle Fork Eel River.						

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	207	Biofiltration Swale	1	0.53
		DPP (Design Pollution Prevention)	1	0.90
2	364	No BMPs Proposed		
3	221	No BMPs Proposed		
4	371	No BMPs Proposed		
5	375	No BMPs Proposed		

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Swale	48%

Middle Fork Eel River Temperature and Sediment TMDL

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
162	13.90	19.50	TBD
162	15.19	15.98	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the Middle Fork Eel River Watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Middle Fork Eel River Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Additionally, Caltrans implements structural BMPs, such as biofiltration swales, which are effective in removing sediment. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified two slopes in the Middle Fork Eel River Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Two SHOPP projects (PID, PAED, and/or PS&E) are planned in the Middle Fork Eel River watershed that will include treatment BMPs.
Temperature	Caltrans is expected to be in compliance with the temperature waste load allocation in the Middle Fork Eel River watershed by not altering the natural temperature. Caltrans preserves existing riparian biotic conditions immediately adjacent to, and provides effective shade near, receiving waters susceptible to temperature increases. Any alteration of riparian biotic conditions that may increase sedimentation or reduce effective shade requires that Caltrans obtain written authorization by the applicable RWQCB Executive Officer or designee prior to beginning work.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[9]	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	0.02

Compliance Units Achieved[6,9]
1

Total Area Treated (acres)[10]
1.4

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Middle Fork Eel River TMDL for Temperature and Sediment Staff Report* (2003); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values."

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Morro Bay (includes Chorro Creek, Los Osos Creek and the Morro Bay Estuary) Sediment TMDL

Caltrans District	5
RWQCB Number	3
TMDL Watershed Area (acres)	49,942
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	121
Percent of Caltrans ROW in TMDL Watershed	0.24%
TMDL Pollutant	Sediment

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Sediment	There are no point sources of sediment within the Morro Bay Watershed. There is no specific waste load allocations assigned to Caltrans.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	241	No BMPs Proposed		
2	239	No BMPs Proposed		
3	272	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Slopes Prone to Erosion[4]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	0.00	64.80	TBD
1	5.00	42.00	TBD
1	0.50	25.60	TBD
1	25.41	25.61	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Morro Bay (includes Chorro Creek, Los Osos Creek and the Morro Bay Estuary) Sediment TMDL

Progress Towards Achieving WLAs and Performance Standards[2,4,5]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is in compliance with sediment waste load allocation in the Morro Bay watershed because they are meeting their portion of shared responsibility for achieving sediment load reductions through compliance with the Caltrans stormwater permit. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Morro Bay Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified four slopes in the Morro Bay Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[6]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Morro Bay TMDL for Sediment (including Chorro Creek, Los Osos Creek and the Morro Bay Estuary) Staff Report* (2002); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[5] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[6] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Napa River Sediment TMDL

Caltrans District	4
RWQCB Number	2
TMDL Watershed Area (acres)	269,770
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,148
Percent of Caltrans ROW in TMDL Watershed	0.43%
TMDL Pollutant	Sediment

Waste Load Allocations (WLAs)[2]		
Pollutant	Caltrans WLA	
Sediment	600 metric tons/year	0.4 % Natural Background

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	50	Biofiltration Strip	16	6.3
		Biofiltration Swale	13	12
		Detention Basin	2	Unknown
		Other	1	Unknown
2	58	Biofiltration Strip	8	Unknown
		Biofiltration Swale	2	Unknown
		Infiltration Trench	28	Unknown
		Other	1	Unknown
3	107	DPPIA (Design Pollution Prevention Infiltration Area)	1	0.01
Source Controls and Additional Measures[5]				
Caltrans Stream Crossing Desktop Survey	Caltrans conducted a survey to conserve native species and enhance the aesthetic and recreational values of waterbodies and their tributaries. There are an estimated 55 stream crossings in the Napa River Watershed and Caltrans roadways that cross waterbodies include State Routes 12, 29, 37, 80, 121, 128 and 221. The survey consisted of reviewing historical records of aerial imagery, street views, Caltrans Stormwater Portal, 2015 Coastal Anadromous Fish Passage Assessment and Remediation Progress Report, and the State Highway Operation and Protection Program (SHOPP) lists. The crossings were also assessed based on visual observations such as the type of flow, size of the watershed, surrounding land use, channel side slopes, existing vegetation, channel bottom and structural integrity. After the survey, the crossings were ranked as high, medium and low priority for repair. Projects to replace/repair high priority crossings are being scheduled and field assessments will be performed.			

BMP Effectiveness[6]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Strip	75%
Biofiltration Swale	48%
Detention Basin	68%
DPPIA (Design Pollution Prevention Infiltration Area)	100%
Infiltration Trench	100%

Slopes Prone to Erosion[7]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
29	11.10	41.25	TBD
128	0.72	28.50	TBD
Caltrans will be scheduling stabilization of the erosion prone areas above to address TMDL requirements.			

Napa River Sediment TMDL

Progress Towards Achieving WLAs and Performance Standards[2,5,7,8]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the Napa River Watershed through compliance with their stormwater permit requirements. The San Francisco Bay Regional Water Quality Control Board has determined that compliance with the stormwater permit will enable Caltrans to meet its sediment waste load allocation. As part of their stormwater permit implementation, Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Napa River Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Additionally, Caltrans implements structural BMPs, such as biofiltration strips, biofiltration swales, design pollution prevention infiltration areas, and infiltration trenches, which are effective in removing sediment. Caltrans has established a program to inspect roadside slopes for erosion on a five-year plan. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified two slopes in the Napa River Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Eight SHOPP projects (PID, PAED, and/or PS&E) are planned in the Napa River Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[6,9]	
Pollutant	Quantity Removed (metric tons/year)
Total Suspended Solids (TSS)	1.1

Compliance Units Achieved[10]
6

Total Area Treated (acres)[11]
18

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Napa River Sediment TMDL and Habitat Enhancement Plan Staff Report* (2009); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Source: *TMDL Status Review Report* Fiscal Year 2016-2017.

[6] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[7] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[8] Source: Caltrans *TMDL Implementation Plan* (2015).

[9] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[10] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[11] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Navarro River Sediment and Temperature TMDL

Caltrans District	1
RWQCB Number	1
TMDL Watershed Area (acres)	202,101
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	414
Percent of Caltrans ROW in TMDL Watershed	0.2%
TMDL Pollutants	Sediment and Temperature

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Sediment	Caltrans is not specifically mentioned as a source of pollutant loading for sediment. The waste load allocation for Caltrans for sediment is zero.
Temperature	Caltrans is not specifically mentioned as a source of pollutant loading for temperature and there are no known point sources of heat to the Navarro River and its tributaries.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area in Caltrans ROW (acres)
1	203	No BMPs Proposed		
2	213	No BMPs Proposed		
3	323	No BMPs Proposed		
4	197	No BMPs Proposed		
5	219	No BMPs Proposed		
6	194	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Slopes Prone to Erosion[4]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	40.18	104.48	TBD
253	0.60	3.01	TBD
253	6.00	13.75	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Fish Passage Remediation[5]
As of December 2015, Caltrans has completed one fish passage remediation project in the Navarro River watershed totaling approximately $1,800,000 and 10.22 compliance units.

Navarro River Sediment and Temperature TMDL

Progress Towards Achieving WLAs and Performance Standards[2,4,5,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocations for the Navarro River Watershed. Although Caltrans is not specifically mentioned as a source of pollutant loading in the Navarro River Watershed, the waste load allocation is presumed to be set to zero according to the Permit. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Navarro River Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified three slopes in the Navarro River Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Eight SHOPP projects (PID, PAED, and/or PS&E) are planned in the Navarro River Watershed that will include treatment BMPs.
Temperature	Caltrans is expected to be in compliance with temperature waste load allocations by not altering the natural temperature. Caltrans preserves existing riparian biotic conditions immediately adjacent to, and provides effective shade near, receiving waters susceptible to temperature increases. Any alteration of riparian biotic conditions that may increase sedimentation or reduce effective shade requires that Caltrans obtain written authorization by the applicable RWQCB Executive Officer or designee prior to beginning work.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[7]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Navarro River TMDL for Temperature and Sediment Staff Report*; and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[5] Source: *Fish Passage Report* to the Legislature (2015).

[6] Source: Caltrans *TMDL Implementation Plan* (2015).

[7] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Noyo River Sediment TMDL

Caltrans District	1
RWQCB Number	1
TMDL Watershed Area (acres)	72,559
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	62
Percent of Caltrans ROW in TMDL Watershed	0.09%
TMDL Pollutant	Sediment

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Sediment	There are no point sources of sediment in the Noyo River Watershed. The waste load allocation for Caltrans is zero.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area in Caltrans ROW (acres)
1	321	No BMPs Proposed		
2	228	No BMPs Proposed		
3	354	No BMPs Proposed		
4	328	No BMPs Proposed		
5	358	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Slopes Prone to Erosion[4]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	40.18	104.48	TBD
1	49.94	83.81	TBD
1	50.68	90.01	TBD
20	25.51	30.75	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,4,5]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the Noyo River Watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Noyo River Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified four slopes in the Noyo River Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Two SHOPP projects (PID, PAED, and/or PS&E) are planned in the Noyo River Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Noyo River Sediment TMDL

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[6]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Noyo River TMDL for Sediment Staff Report* (1999); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[5] Source: Caltrans *TMDL Implementation Plan* (2015).

[6] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Project I - Revised Twenty Beaches and Creeks in the San Diego Region (including Tecolote Creek) Indicator Bacteria TMDL

Caltrans District	11
RWQCB Number	9
TMDL Watershed Area (acres)	1,114,011
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	5,393
Percent of Caltrans ROW in TMDL Watershed	0.48%
TMDL Pollutant	Indicator Bacteria

Waste Load Allocations (WLAs)[2]			
Pollutant	Watershed	Caltrans WLA	Allowable Number of Exceedance Days for Wet-Weather (Critical Condition)
Indicator Bacteria	HA - Hydrologic Area HSA - Hydrologic Sub Area HU - Hydrologic Unit	Wet-Weather Fecal Coliform Bacteria (Billion MPN/year)	
	San Joaquin Hills HSA and Laguna Hills HSA	179	15
	Aliso HSA	260	15
	Dana Point HSA	13	15
	Lower San Juan HSA	1,713	17
	San Clemente HA	335	16
	San Luis Rey HU	1,537	20
	San Marcos HA	8	11
	San Dieguito HU	1,310	22
	Miramar Reservoir HA	0	21
	Scripps HA	0	13
	Tecolote HA	553	13
	Mission San Diego HSA and Santee HSA	1,009	19
	Chollas HSA	892	14
	The waste load allocation for dry-weather conditions is zero, as there is no surface runoff discharge to receiving waters from Caltrans according to the Permit.		

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	291	Biofiltration Strip	4	1.5
		Biofiltration Swale	5	Unknown
		Detention Basin	29	Unknown
		Other	3	Unknown
2	287	Biofiltration Swale	5	2.1
		Detention Basin	3	Unknown
3	286	Austin Sand Filter	1	Unknown
		Biofiltration Strip	8	3.9
		Biofiltration Swale	40	11
		Detention Basin	2	3.9
		Traction Sand Trap	1	3.6
4	292	Biofiltration Strip	3	3.6
		Biofiltration Swale	201	177
		Other	15	4.2
5	299	Biofiltration Swale	2	Unknown
		Other	5	Unknown

Project I - Revised Twenty Beaches and Creeks in the San Diego Region (including Tecolote Creek) Indicator Bacteria TMDL

6	295	Biofiltration Strip	1	7.1
		Biofiltration Swale	16	91
		Detention Basin	2	Unknown
7	266	Biofiltration Strip	1	38
		Biofiltration Swale	154	Unknown
		Detention Basin	2	Unknown
		Other	5	Unknown
8	293	Biofiltration Strip	8	Unknown
		Biofiltration Swale	7	Unknown
		Detention Basin	1	Unknown
9	267	Biofiltration Swale	24	115
		Detention Basin	2	145
		Other	5	3.6
10	269	Biofiltration Strip	9	Unknown
		Biofiltration Swale	28	Unknown
		Detention Basin	2	Unknown
		Infiltration Basin	1	2.4
		Other	3	Unknown
11	296	Austin Sand Filter	1	2.1
		Biofiltration Strip	1	1.0
		Biofiltration Swale	7	16
		Infiltration Basin	2	Unknown
		Infiltration Trench	11	68
12	294	Austin Sand Filter	1	Unknown
		Detention Basin	22	Unknown
		Other	2	Unknown
13	268	Biofiltration Strip	1	1.9
		Biofiltration Swale	7	42
14	300	No BMPs Proposed		

Source Controls[5]	
Clean-Up of Illegal Dumping	Illegal dumping is prohibited by state and local laws and is enforced by the California Highway Patrol (CHP) and local law enforcement agencies. Caltrans relies on CHP and Caltrans staff to investigate and resolve reports of suspected illegal connections and illicit discharges. Caltrans has trained in-house and contract hazardous response staff to manage and clean up spills. Caltrans District 7 prepares and implements a Hazardous Spill Contingency Plan on an annual basis.
Prohibition of Non-Storm water Discharges	Caltrans prohibits non-storm water discharges to the MS4 and reduces pollution caused by wastes associated with non-storm water discharges to the maximum extent practicable. Caltrans implements BMPs through their construction, design and maintenance divisions to control non-storm water pollutants.
Public Education on Littering	Caltrans partners with various organizations at both the state and local levels, focusing on educating and motivating the public to modify peoples' behavior regarding stormwater pollution. District NPDES Coordinators work with the District's Public Information Officer to educate the public about stormwater pollution. Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year. Caltrans staff volunteers collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign through their "Protect Every Drop" campaign, which addresses key actions the public can take to properly dispose of trash and pollutants.
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces, which removes tracked sediment and other materials to prevent them from entering a storm drain or watercourse.

Project I - Revised Twenty Beaches and Creeks in the San Diego Region (including Tecolote Creek) Indicator Bacteria TMDL

BMP Effectiveness
Not applicable. Waste load allocations are assigned as allowable exceedance days.

Progress Towards Achieving WLAs and Performance Standards[2,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Indicator Bacteria	Caltrans is in compliance with indicator bacteria waste load allocations for dry-weather flows in the Project I - Revised Twenty Beaches and Creeks in the San Diego Region (including Tecolote Creek) watershed, since Caltrans does not contribute any dry-weather discharge from its ROW. Caltrans is expected to be in compliance with indicator bacteria waste load allocations for wet-weather flows in the Project I - Revised Twenty Beaches and Creeks in the San Diego Region (including Tecolote Creek) watershed. According to the Caltrans Annual Report Fiscal Year 2015-2016, Caltrans waste load allocations are set equal to Caltrans existing load. Therefore, no reduction is required. Caltrans minimizes wet-weather discharges from its ROW into receiving waterbodies impaired for bacteria by implementing treatment BMPs and source control/preemptive activities such as street sweeping, clean-up of illegal dumping, prohibition of non-storm water discharges, and public education on littering as described above. As an additional control measure, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Seventy-one SHOPP projects (PID, PAED, and/or PS&E) are planned in the Project I - Revised Twenty Beaches and Creeks in the San Diego Region (including Tecolote Creek) Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant polutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed
Indicator Bacteria	Not applicable. Waste load allocations are assigned as allowable exceedance days.

Compliance Units Achieved[7]
155

Total Area Treated (acres)[8]
744

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Revised TMDL for Indicator Bacteria Project I - Twenty Beaches and Creeks in the San Diego Region (including Tecolote Creek) Staff Report* (2010); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *Statewide Storm Water Management Plan* (2016); and Caltrans *TMDL Implementation Plan* (2015).

[6] Sources: Caltrans *TMDL Implementation Plan* (January 2015); *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; and Caltrans *Annual Report* Fiscal Year 2015-2016.

[7] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[8] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Rainbow Creek Total Nitrogen and Total Phosphorus TMDL

Caltrans District	11
RWQCB Number	9
TMDL Watershed Area (acres)	7,374
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	90
Percent of Caltrans ROW in TMDL Watershed	1.2%
TMDL Pollutants	Total Nitrogen and Total Phosphorus

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Total Nitrogen	49 kg/year
Total Phosphorus	5 kg/year

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	246	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Progress Towards Achieving WLAs and Performance Standards[2,4,5]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Total Nitrogen and Total Phosphorus	Caltrans is expected to be in compliance with the waste load allocation for nitrogen and phosphorus in the Rainbow Creek watershed. Caltrans controls the discharge of nitrogen and phosphorus through the control of sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Rainbow Creek Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. According to the State Water Resources Control Board's Annual Performance Report, the Water Quality Report Card for Rainbow Creek indicates that conditions are improving, as concentrations of both total nitrogen and total phosphorus show a decreasing trend. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Two SHOPP projects (PID, PAED, and/or PS&E) are planned in the Rainbow Creek Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[6]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Basin Plan Amendment and Final Technical Report for Total Nitrogen and Total Phosphorus TMDL for Rainbow Creek* (2006); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Source: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); and the State Water Resources Control Board's *Annual Performance Reports* Fiscal Year 2014-2015, and Fiscal Year 2015-2016.

[6] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Redwood Creek Sediment TMDL

Caltrans District	1
RWQCB Number	1
TMDL Watershed Area (acres)	180,807
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	181
Percent of Caltrans ROW in TMDL Watershed	0.1%
TMDL Pollutant	Sediment

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Sediment	There are no point sources of sediment discharge to the watershed. The waste load allocation for Caltrans is zero.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area in Caltrans ROW (acres)[4]
1	316	No BMPs Proposed		
2	208	Biofiltration Strip	1	0.27
		Biofiltration Swale	2	1.9
3	318	No BMPs Proposed		

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Strip	75%
Biofiltration Swale	48%

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
299	25.74	25.79	TBD
299	26.45	26.70	TBD
299	31.40	32.40	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements for sediment.			

Redwood Creek Sediment TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the Redwood Creek Watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Redwood Creek Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Additionally, Caltrans implements structural BMPs, such as biofiltration strips and biofiltration swales, which are effective in removing sediment. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified three slopes in the Redwood Creek Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Eight SHOPP projects (PID, PAED, and/or PS&E) are planned in the Redwood Creek Watershed that include treatment BMPs. According to the State Water Resources Control Board's*Annual Performance Report,* water quality conditions for sediment are improving in the Redwood Creek Watershed, as monitoring data indicate that since the implementation of the TMDL, 40% of the required sediment load reductions have been attained. According to the report, Redwood Creek Watershed sediment loads are decreasing at a rate of approximately 45 tons per square-mile per year. As of 2009, 70% (approximately 773 miles) of the roads in the watersheds have been assessed, of which about 120 miles of road erosion projects have been completed and 61 miles of roads have been decommissioned in the Redwood Creek Watershed.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	0.08

Compliance Units Achieved[9]
1

Total Area Treated (acres)[10]
2.0

Redwood Creek Sediment TMDL

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Redwood Creek Sediment TMDL Staff Report* (1998); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Sources: Caltrans *TMDL Implementation Plan* (2015); and the State Water Resources Control Board's *Annual Performance Reports* Fiscal Year 2014-2015, Fiscal Year 2015-2016.

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Revolon Slough and Beardsley Wash Trash TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	39,358
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	240
Percent of Caltrans ROW in TMDL Watershed	0.61%
TMDL Pollutant	Trash

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Trash	0 or 0% of baseline load (zero trash)

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	16	Austin Sand Filter	2	1.0
		Biofiltration Strip	14	31
		Biofiltration Swale	25	25
		Infiltration Trench	3	2.9
Source Controls[5]				
Adopt-A-Highway Program	The Adopt-A-Highway Program provides an avenue for individuals, organizations, and businesses to help maintain sections of roadside for various activities including litter removal within California's State Highway System. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 1,542 yd^3 of trash through the Adopt-A-Highway Program.			
California Conservation Corps and Caltrans Parolee Program[6]	The Division of Maintenance has partnership programs with the California Department of Corrections and Rehabilitation and the California Conservation Corps. Parolees and Corps employees provide contracted services to assist in the removal of trash and litter from the ROW. As of Fiscal Year 2015-2016, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection, and 5,807 yd^3 of trash through the Caltrans Parolee Program.			
District Crew Collection[6]	Caltrans crews conduct manual cleanup of trash and litter from the ROW. As mentioned above, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection in Fiscal Year 2015-2016.			
Public Education	Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year Caltrans staff volunteers to collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign with the Caltrans "Protect Every Drop" campaign. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 589 yd^3 of trash through Public Education.			
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 12,024 yd^3 of trash through Roadway Sweeping.			
Storm Drain Maintenance	Caltrans cleans the storm drainage system inlets and culverts of accumulated materials. These activities are conducted manually and by vactor trucks. Caltrans District 7 performs additional inspection and cleaning through its Enhanced Annual Storm Drain Inlet Inspection and Cleaning Program in metropolitan areas. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 7,390 yd^3 of trash from Storm Drain Maintenance activities.			

BMP Effectiveness[7]	
Treatment BMP Type	Removal Efficiency
Austin Sand Filter	Certified Full Capture Device (100% Trash Removal Efficiency)
Biofiltration Strip	Partial Trash Removal
Biofiltration Swale	Partial Trash Removal
Infiltration Trench	Certified Full Capture Device (100% Trash Removal Efficiency)

Revolon Slough and Beardsley Wash Trash TMDL

Progress Towards Achieving WLAs and Performance Standards[2,5,6,8,9]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Trash	Although there have been significant improvements in the reduction of trash, measures are not sufficient for Caltrans to achieve waste load allocations in the Revolon Slough and Beardsley Wash Watershed. Caltrans employs several types of trash removal devices in the Revolon Slough and Beardsley Wash Watershed, including austin sand filters, biofiltration strips, biofiltration swales, and infiltration trenches. Caltrans also employs non-structural BMPs in the Revolon Slough and Beardsley Wash Watershed to mitigate trash including sweeping, drain inlet cleaning, trash collection, storm drain stenciling, covered trash bins, public education, and public participation. Additionally, Caltrans has increased the frequency of the Adopt-A-Highway program to treat beyond the minimum permit requirements. Caltrans also collaborates with the California Public Education Campaign to further engage in public education. Moreover, programs such as the Caltrans Parolee Program, California Conservation Corps, District Crew Collection, and Storm Drain Maintenance activities help remove trash from the Caltrans ROW. Additionally, monitoring occurred at each of the designated sites once monthly. An estimated amount of 136,570 pounds (54,628 gallons) of trash were removed via various City Trash-Control Measures implemented in 2015-2016. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Two SHOPP projects (PID, PAED, and/or PS&E) are planned in the Revolon Slough and Beardsley Wash Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Acres Treated for Trash[10]
3.9

Compliance Units Achieved[11]
0

Total Area Treated (acres)[12]
60

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Trash TMDL for Revolon Slough and Beardsley Wash in the Calleguas Creek Watershed Staff Report* (2007); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and the tributary acreage is not known, this area is not included in this value.

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); Caltrans *Annual Report* Fiscal Year 2015-2016, Appendix E; and Caltrans *District 7 Litter Management Pilot Study* (June 2000).

[6] The data value was reported as a combined volume of trash removed from the District Crew Collection and California Conservation Corps. Volumes for each source control could not be individually separated.

[7] Source: Certified as Full Capture Systems by the State Water Resources Control Board Executive Director Certification as listed on the Multi-Benefit Treatment System List.

[8] Sources: Caltrans *TMDL Implementation Plan* (January 2015); Caltrans *Monitoring Results Report: Fiscal Year 2014-2015*; and *Caltrans Monitoring Results Report: Fiscal Year 2015-2016.*

[9] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[10] The acres represented include Caltrans impervious and pervious area treated by certified full capture devices with 100% trash removal efficiency.

[11] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[12] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Rhine Channel Area of Lower Newport Bay Chromium and Mercury TMDL

Caltrans District	12
RWQCB Number	8
TMDL Watershed Area (acres)	87
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	0
Percent of Caltrans ROW in TMDL Watershed	0%
TMDL Pollutants	Chromium and Mercury

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Chromium	0.0027 kg/year
Mercury	0.89 kg/year

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	273	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Progress Towards Achieving WLAs and Performance Standards[2,4,5]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Chromium	A major source of chromium is due to existing sediment loading in the Rhine Channel, therefore Caltrans is in compliance with chromium waste load allocations in the Rhine Channel Area of Lower Newport Bay watershed. Heavy metals have a high affinity for adherence to fine sediment. Caltrans implements appropriate control measures to reduce the discharge of heavy metals, such as physical structures that prevent contaminated runoff from reaching receiving waters. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Rhine Channel Area of Lower Newport Bay watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Mercury	A major source of mercury is existing sediment loading in the Rhine Channel; therefore, Caltrans is in compliance with mercury waste load allocations in the Rhine Channel Area of Lower Newport Bay. Although Caltrans is in compliance with mercury waste load allocations, Caltrans will continue to control the discharge of mercury through the control of sediment, since most sources of mercury are sediment-driven from sources such as erosion, construction, and runoff from roads. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Rhine Channel by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Additional Measures to Achieve WLAs for All Pollutants	Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems are inspected on an as-needed basis. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. In addition, dredging efforts were performed in the Rhine Channel to help remove contaminated sediment. About 76% of the existing chromium and mercury were removed from the channel as a result of dredging. According to the State Water Resources Control Board's *Annual Performance Report* , the Water Quality Report Card for Metals and Organics in Rhine Channel (Lower Newport Bay) indicates that there have been significant post-dredge reductions in sediment toxicity in Rhine Channel. Additionally, the report states that through the Rhine Channel Contaminated Sediment Cleanup Project, approximately 100,000 yd^3 of contaminated sediment were removed in 2011.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Rhine Channel Area of Lower Newport Bay Chromium and Mercury TMDL

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[6]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Toxic Pollutants San Diego Creek and Newport Bay, California Staff Report* (2002); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); and *Anchor QEA Rhine Channel Post-Dredge Technical Memorandum* (2013).

[6] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Richardson Bay Pathogens TMDL

Caltrans District	4
RWQCB Number	2
TMDL Watershed Area (acres)	10,763
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	164
Percent of Caltrans ROW in TMDL Watershed	1.5%
TMDL Pollutant	Pathogens

Waste Load Allocations (WLAs)[2]		
Pollutant	Watershed WLA	
Pathogens (Fecal Coliform)	Median < 14 MPN/100 mL	Based on a minimum five consecutive samples equally spaced over a 30-day period.
	90th Percentile < 43 MPN/100 mL	No more than 10% of total samples during any 30-day period may exceed this number.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	307	No BMPs Proposed		
Source Controls[4]				
Clean-Up of Illegal Dumping	Illegal dumping is prohibited by state and local laws and is enforced by the California Highway Patrol (CHP) and local law enforcement agencies. Caltrans relies on CHP and Caltrans staff to investigate and resolve reports of suspected illegal connections and illicit discharges. Caltrans has trained in-house and contract hazardous response staff to manage and clean up spills.			
Prohibition of Non-Storm water Discharges	Caltrans prohibits non-storm water discharges to the municipal separate storm sewer system and reduces pollution caused by wastes associated with non-storm water discharges to the maximum extent practicable. Caltrans implements BMPs through their construction, design and maintenance divisions to control non-storm water pollutants.			
Public Education on Littering	Caltrans partners with various organizations at both the state and local levels, focusing on educating and motivating the public to modify peoples' behavior regarding stormwater pollution. District NPDES Coordinators work with the District's Public Information Officer to educate the public about stormwater pollution. Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year. Caltrans staff volunteers collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign through their "Protect Every Drop" campaign, which addresses key actions the public can take to properly dispose of trash and pollutants.			
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces, which removes tracked sediment and other materials to prevent them from entering a storm drain or watercourse.			

BMP Effectiveness
No BMPs Proposed

Progress Towards Achieving WLAs and Performance Standards[2,5]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Pathogens	Caltrans is in compliance with pathogen waste load allocations for dry-weather flows in the Richardson Bay watershed, since Caltrans does not contribute any dry-weather discharge from its ROW. Caltrans is expected to be in compliance with pathogen waste load allocations for wet-weather flows in the Richardson Bay watershed. According to the State Water Resources Control Board's Annual Performance Report, the Water Quality Report Card for Richardson Bay shows that fecal coliform concentrations have been meeting water quality objectives for REC-1, and the analyzed data may be showing some improvement in water quality. Caltrans minimizes wet-weather discharges from its ROW into receiving waterbodies impaired for bacteria by implementing treatment BMPs and source control/preemptive activities such as street sweeping, clean-up of illegal dumping, prohibition of non-storm water discharges, and public education on littering as described above.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Richardson Bay Pathogens TMDL

Quantification of Pollutant Removal	
Pollutant	Quantity Removed
Pathogens	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[6]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Pathogens in Richardson Bay TMDL Staff Report for Proposed Basin Plan Amendment* (2008); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: Caltrans *Statewide Storm Water Management Plan* (2016); and Caltrans *TMDL Implementation Plan* (January 2015).

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); State Water Resources Control Board's *Annual Performance Report* Fiscal Year 2015-2016; and Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[6] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Sacramento - San Joaquin River Delta Estuary Methyl mercury TMDL

Caltrans District	3
RWQCB Number	5
TMDL Watershed Area (acres)	738,162
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	2,457
Percent of Caltrans ROW in TMDL Watershed	0.33%
TMDL Pollutant	Methylmercury

Waste Load Allocations (WLAs)[2]			
Pollutant	Watershed WLA		
	Subarea	Permittee	WLA (g/year)
Methylmercury	Central Delta	County of Contra Costa	0.75
		City of Lodi	0.053
		Port of Stockton MS4	0.39
		County of San Joaquin	0.57
		Stockton Area MS4	3.6
		Subarea WLA Total (g/year)	5.36
	Marsh Creek	County of Contra Costa	0.3
	Mokelumne River	County of San Joaquin	0.016
	Sacramento River	City of Rio Vista	0.0078
		Sacramento Area MS4	1
		County of San Joaquin	0.11
		County of Solano	0.041
		City of West Sacramento	0.36
		County of Yolo	0.041
		Subarea WLA Total (g/year)	1.56
	San Joaquin River	City of Lathrop	0.097
		Port of Stockton MS4	0.0036
		County of San Joaquin	0.79
		Stockton Area MS4	0.18
		City of Tracy	0.65
		Subarea WLA Total (g/year)	1.72
	West Delta	County of Contra Costa	3.2
	Yolo Bypass	County of Solano	0.021
		City of West Sacramento	0.28
		County of Yolo	0.083
		Subarea WLA Total (g/year)	0.38
	Note: There are no waste load allocations specific to Caltrans. However, Caltrans roadways are within the areas of the entities above.		

Sacramento - San Joaquin River Delta Estuary Methyl mercury TMDL

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	280	Biofiltration Strip	5	2.3
		Biofiltration Swale	29	36
		Detention Basin	7	25
		Infiltration Basin	25	23
		Wet Basin	1	Unknown
2	136	Biofiltration Strip	12	Unknown
		Biofiltration Swale	10	Unknown
		Traction Sand Trap	3	Unknown
3	137	Biofiltration Strip	8	Unknown
		Biofiltration Swale	1	Unknown
		Detention Basin	2	Unknown
		Infiltration Basin	34	17

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Strip	75%
Biofiltration Swale	48%
Detention Basin	68%
Infiltration Basin	100%
Traction Sand Trap	60%
Wet Basin	89%

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
50	0.00	66.48	TBD
80	8.00	69.70	TBD
80	5.70	31.70	TBD
84	7.93	15.00	TBD
84	12.00	13.00	TBD
84	12.43	14.83	Fall 2016
Caltrans will be scheduling stabilization of the remaining erosion prone areas to address TMDL requirements.			

Sacramento - San Joaquin River Delta Estuary Methyl mercury TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Methylmercury	Caltrans is expected to be in compliance with methylmercury waste load allocations in the Sacramento-San Joaquin River Delta Estuary watershed. Caltrans controls the discharge of methylmercury through the control of sediment. Caltrans implements and maintains structural BMPs to mitigate sediment in the Sacramento-San Joaquin River Delta Estuary watershed. Additionally, Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Sacramento-San Joaquin River Delta Estuary watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified six slopes in the Sacramento - San Joaquin River Delta Estuary watershed. Caltrans has stabilized one slope in the Fall of 2016, and will schedule the stabilization of all other identified slopes. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Twenty-two SHOPP projects (PID, PAED, and/or PS&E) are planned in the Sacramento - San Joaquin River Delta Estuary watershed that include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	510,229

Compliance Units Achieved[9]
0

Total Area Treated (acres)[10]
103

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Sacramento - San Joaquin River Delta Estuary TMDL for Methylmercury Staff Report* (2010); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values; and *Highway 267 Filter Fabric Sand Trap Pilot Study* (February 2006).

[6] Source: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Sources: Caltrans *TMDL Implementation Plan* (January 2015).

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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San Diego Creek and Newport Bay, including Rhine Channel Metals (Cu, Pb, and Zn) TMDL

Caltrans District	12
RWQCB Number	8
TMDL Watershed Area (acres)	97,127
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,453
Percent of Caltrans ROW in TMDL Watershed	1.5%
TMDL Pollutants	Metals (Cu, Pb, and Zn)

Waste Load Allocations (WLAs)[2]

San Diego Creek

Pollutant	Watershed Concentration-Based WLAs						
	Base Flows (<20 cfs) Hardness at 400 mg/L		Small Flows (21-181 cfs) Hardness at 322 mg/L		Medium Flows (182-815 cfs) Hardness at 236 mg/L		Large Flows (>815 cfs) Hardness at 197 mg/L
	Acute	Chronic	Acute	Chronic	Acute	Chronic	Acute
Copper	50 µg/L	29.3 µg/L	40 µg/L	24.3 µg/L	30.2 µg/L	18.7 µg/L	25.5 µg/L
Lead	281 µg/L	10.9 µg/L	224 µg/L	8.8 µg/L	162 µg/L	6.3 µg/L	134 µg/L
Zinc	379 µg/L	382 µg/L	316 µg/L	318 µg/L	243 µg/L	244 µg/L	208 µg/L

Newport Bay

Pollutant	Caltrans Mass-Based WLAs (lbs/year)	Watershed Concentration-Based WLAs	
		Dissolved Saltwater Acute TMDLs and Allocations	Dissolved Saltwater Chronic TMDLs and Allocations
Copper	423 lbs/year	4.8 µg/L	3.1 µg/L
Lead	2,171 lbs/year	210 µg/L	8.1 µg/L
Zinc	22,866 lbs/year	90 µg/L	81 µg/L

Note: Caltrans is assigned a specific mass-based WLA for Newport Bay. All other WLAs listed above apply to all dischargers (including Caltrans) to Newport Bay and San Diego Creek.

Best Management Practices (BMPs)[3]

Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	125	No BMPs Proposed		
2	130	No BMPs Proposed		
3	126	Austin Sand Filter	2	Unknown
		Biofiltration Strip	9	15
		Biofiltration Swale	7	3.6
		Detention Basin	35	Unknown
		Gross Solids Removal Device	3	Unknown
		Other	47	0.53
4	129	Biofiltration Strip	3	8.3
		Biofiltration Swale	19	12
		DPP (Design Pollution Prevention)	1	2.3
		Infiltration Trench	1	0.48
		Other	38	3.4
5	133	Biofiltration Swale	1	1.6

San Diego Creek and Newport Bay, including Rhine Channel Metals (Cu, Pb, and Zn) TMDL

BMP Effectiveness[5]			
Treatment BMP Type	Total Cu	Total Pb	Total Zn
Austin Sand Filter	87%	92%	87%
Biofiltration Strip	79%	88%	79%
Biofiltration Swale	75%	62%	75%
Detention Basin	63%	70%	63%
Infiltration Trench	100%	100%	100%

Progress Towards Achieving WLAs and Performance Standards[2,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Metals (Cu, Pb, Zn)	Caltrans is in compliance with metal (Cu, Pb, Zn) waste load allocations for dry-weather in the San Diego Creek and Newport Bay, including Rhine Channel watersheds, since Caltrans does not contribute any dry-weather discharge from its ROW. Caltrans is in compliance with metal (Cu, Pb, Zn) waste load allocations for wet-weather in the San Diego Creek and Newport Bay, including Rhine Channel watersheds. Caltrans continues to implement appropriate control measures to reduce the discharge of dissolved fraction metals, such as physical structures that prevent contaminated runoff from reaching receiving waters. Monitoring results show no exceedances for metals. As an additional mitigation measure, Caltrans reduces the sediment transport of metals by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the San Diego Creek and Newport Bay, including Rhine Channel watersheds by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Eighty-one SHOPP projects (PID, PAED, and/or PS&E) are planned in the San Diego Creek and Upper Newport Bay, including Rhine Channel watersheds that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,7]	
Pollutant	Removed (lbs/year)
Total Cu	1.3
Total Pb	0.92
Total Zn	6.7

Compliance Units Achieved[8]
54

Total Area Treated (acres)[9]
48

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Organochlorine Compounds San Diego Creek: Total DDT and Toxaphene; Upper and Lower Newport Bay: Total DDT, Chlordane, Total PCBs Staff Report* (2006); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final* Report (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *TMDL Implementation Plan* (January 2015); Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; and Caltrans *Monitoring Results Report: Fiscal Year 2016-2017* .

[7] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[8] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[9] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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San Diego Creek and Upper Newport Bay Cadmium TMDL

Caltrans District	12
RWQCB Number	8
TMDL Watershed Area (acres)	92,716
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,365
Percent of Caltrans ROW in TMDL Watershed	1.5%
TMDL Pollutant	Cadmium

Waste Load Allocations (WLAs)[2]							
San Diego Creek							
Pollutant	Watershed Concentration-Based WLAs						
	Base Flows (<20 cfs) Hardness at 400 mg/L		Small Flows (21-181 cfs) Hardness at 322 mg/L		Medium Flows (182-815 cfs) Hardness at 236 mg/L		Large Flows (>815 cfs) Hardness at 197 mg/L
	Acute	Chronic	Acute	Chronic	Acute	Chronic	Acute
Cadmium	19.1 µg/L	6.2 µg/L	15.1 µg/L	5.3 µg/L	10.8 µg/L	4.2 µg/L	8.9 µg/L

Newport Bay			
Pollutant	Caltrans Mass-Based WLAs	Concentration-Based WLAs	
		Dissolved Saltwater Acute TMDLs and Allocations	Dissolved Saltwater Chronic TMDLs and Allocations
Cadmium	1,185 lbs/year	42 µg/L	9.3 µg/L

Note: Caltrans is assigned a specific mass-based WLA for Newport Bay. All other WLAs listed above apply to all dischargers (including Caltrans) to Newport Bay and San Diego Creek.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	185	No BMPs Proposed		
2	127	Austin Sand Filter	2	Unknown
		Biofiltration Strip	9	15
		Biofiltration Swale	7	3.6
		Detention Basin	35	Unknown
		Gross Solids Removal Device	3	Unknown
		Other	47	0.53
3	128	Biofiltration Strip	3	8.3
		Biofiltration Swale	19	12
		DPP (Design Pollution Prevention)	1	2.3
		Infiltration Trench	1	0.48
		Other	38	3.4
4	132	Biofiltration Swale	1	1.6

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Austin Sand Filter	93%
Biofiltration Strip	75%
Biofiltration Swale	48%
Detention Basin	68%
Infiltration Trench	100%

San Diego Creek and Upper Newport Bay Cadmium TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Cadmium	Caltrans is in compliance with cadmium waste load allocations for dry-weather in the San Diego Creek and Newport Bay watersheds, since Caltrans has no discharge during dry-weather conditions. Caltrans is in compliance with cadmium waste load allocations for wet-weather in the San Diego Creek and Newport Bay watersheds. Caltrans also implements appropriate control measures to reduce the discharge of dissolved fraction metals, such as physical structures that prevent contaminated runoff from reaching receiving waters. Monitoring results show no exceedances for metals. As an additional mitigation measure, Caltrans reduces the sediment transport of metals by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the San Diego Creek and Newport Bay, including Rhine Channel watersheds by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems are inspected on an as-needed basis. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. In addition, dredging efforts were performed in the Lower Newport Bay to help remove contaminated sediment and a total of over 600,000 yd^3 of contaminated sediment were removed from 2012 to 2013. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Seventy-seven SHOPP projects (PID, PAED, and/or PS&E) are planned in the San Diego Creek and Upper Newport Bay watersheds that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,7]	
Pollutant	Quantity Removed (yd^3/year)
Total Suspended Solids (TSS)	8.9

Compliance Units Achieved[8]
54

Total Area Treated (acres)[9]
48

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Organochlorine Compounds San Diego Creek: Total DDT and Toxaphene; Upper and Lower Newport Bay: Total DDT, Chlordane, Total PCBs Staff Report* (2006); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *TMDL Implementation Plan* (January 2015); *Metals Sediment Study in Lower Newport Bay (Post-dredging) Final Report* (March 2014); Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; and Caltrans *Monitoring Results Report: Fiscal Year 2016-2017.*

[7] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed.

[8] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[9] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

San Diego Creek Watershed Organochlorine Compunds (DDT, Chlordane, PCBs, and Toxaphene) TMDL

Caltrans District	12
RWQCB Number	8
TMDL Watershed Area (acres)	76,262
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,157
Percent of Caltrans ROW in TMDL Watershed	1.5%
TMDL Pollutants	Organochlorine Compunds (DDT, Chlordane, PCBs, and Toxaphene)

Waste Load Allocations (WLAs)[2]		
Pollutant	Caltrans WLA	
	WLAs Expressed as a Daily Value (g/day)	WLAs Expressed as an Annual Value (g/year)
Total DDT	0.11	39.2
Chlordane	0.07	25.2
Total PCBs	0.03	12.4
Toxaphene	0.002	0.6
Note: Chlordane and PCBs are informational TMDLs, which have no regulatory effect.		

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	242	Austin Sand Filter	2	Unknown
		Biofiltration Strip	9	15
		Biofiltration Swale	7	3.6
		Detention Basin	35	Unknown
		Gross Solids Removal Device	3	Unknown
		Other	47	0.53
2	244	Biofiltration Strip	3	8.3
		Biofiltration Swale	19	12
		Infiltration Trench	1	0.48
		Other	38	3.4
		DPP (Design Pollution Prevention)	1	2.3

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Austin Sand Filter	93%
Biofiltration Strip	75%
Biofiltration Swale	48%
Detention Basin	68%
Infiltration Trench	100%

San Diego Creek Watershed Organochlorine Compunds (DDT, Chlordane, PCBs, and Toxaphene) TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Total DDT	Caltrans is expected to be in compliance with total DDT waste load allocations in the San Diego Creek watershed since these pesticides are no longer in production and their usage has been regulated. Additionally, Caltrans does not use DDTs or chlordane within its ROW. Although Caltrans does not use pesticides within its ROW, Caltrans complies with Provision E.2.h.3)b) of the Permit which specifies practices for the safe handling and use of pesticides, including compliance with federal, State and local regulations, and label directions. Caltrans is also required to perform site assessments, applicator training, and implementation of integrated pest and vegetation management practices when using pesticides in order to prevent pesticide discharge in storm water runoff in the San Diego Creek watershed. A major source of DDT impairments in the San Diego Creek watershed is due to historical loading from the pollutants adhering to sediment. As an additional mitigation measure, Caltrans reduces the sediment transport of pesticides by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the San Diego Creek watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Toxaphene	Caltrans is expected to be in compliance with toxaphene waste load allocations in the San Diego Creek watershed since these organochlorine compounds are no longer in production and their usage has been regulated. Additionally, Caltrans does not use toxaphenes within its ROW. Monitoring results show toxaphenes were not detected in any of the samples. Toxic pollutants have a high affinity for adherence to fine sediment. A major source of toxic impairments is due to historical loading from the pollutants adhering to sediment. Therefore the appropriate control measures for toxics are to control erosion and prevent or minimize the discharge of fine sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the San Diego Creek watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Chlordane and PCBs	The Santa Ana Regional Water Quality Control Board did not establish TMDLs for chlordane and PCBs but did develop informational TMDLs for chlordane and PCBs. The information TMDLs have no regulatory effect but may be used for further investigation. Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the San Diego Creek watershed. Additionally, Caltrans does not use PCBs within its ROW.
Additional Measures to Achieve WLAs for All Pollutants	Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems are inspected on an as-needed basis. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Moreover, implementation activities have been planned in the San Diego Creek watershed in order to address these legacy loads. These implementation tasks include source control activities to reduce any active sources of organochlorine pesticides and PCBs in the San Diego Creek watershed, special studies to evaluate sediment transport, and monitoring natural recovery of contaminated sediments. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Seventy-one SHOPP projects (PID, PAED, and/or PS&E) are planned in the San Diego Creek watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,7]	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	1,598

Compliance Units Achieved[8]
42

Total Area Treated (acres)[9]
46

San Diego Creek Watershed Organochlorine Compunds (DDT, Chlordane, PCBs, and Toxaphene) TMDL

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Organochlorine Compounds San Diego Creek: Total DDT and Toxaphene; Upper and Lower Newport Bay: Total DDT, Chlordane, Total*

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; Caltrans *TMDL Implementation Plan* (January 2015); and Caltrans *Monitoring Results Report: Fiscal Year 2016-2017.*

[7] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best

[8] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[9] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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San Francisco Bay and Urban Creeks Diazinon and Pesticide-Related Toxicity TMDL

Caltrans District	4
RWQCB Number	2
TMDL Watershed Area (acres)	1,394,431
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	7,193
Percent of Caltrans ROW in TMDL Watershed	0.52%
TMDL Pollutants	Diazinon and Pesticide Toxicity

Waste Load Allocations (WLAs)[2]	
Pollutant	Watershed WLA
Diazinon	100 ng/L (one-hour average)
Pesticide Toxicity	There shall be no pesticide-related acute or chronic toxicity in urban creeks in excess of 1 TU_a or 1 TU_c, where TU_a = 100/No Observed Adverse Effect Concentration (acute toxicity) and TU_c = 100/No Observed Effect Concentration (chronic toxicity).
	An undiluted ambiant water or sediment sample that does not exhibit an acute or chronic toxic effect that is significantly different from control samples on a statistical basis shall be assumed to meet the relevant target.
Note: The waste load allocations above are applicable to all urban runoff, including runoff associated with Caltrans facilities. The allocations are the same as the numeric targets for this TMDL.	

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	166	Biofiltration Strip	14	2.7
		Biofiltration Swale	25	69
		Detention Basin	20	1.6
		Infiltration Basin	3	Unknown
2	161	Biofiltration Strip	7	Unknown
		Biofiltration Swale	9	2.1
		Detention Basin	4	Unknown
3	302	Biofiltration Strip	25	5.5
		Biofiltration Swale	8	24
		Detention Basin	2	Unknown
		Wet Basin	1	Unknown
4	305	Biofiltration Strip	13	23
		Biofiltration Swale	7	Unknown
		Detention Basin	2	Unknown
5	306	Biofiltration Strip	62	29
		Biofiltration Swale	34	30
		Detention Basin	1	15
		Other	9	5.1
6	303	Biofiltration Strip	10	8.0
		Biofiltration Swale	4	2.7
		Detention Basin	3	Unknown
7	301	Biofiltration Strip	1	Unknown
		Biofiltration Swale	1	Unknown
8	304	Austin Sand Filter	2	19
		Biofiltration Strip	67	37
		Biofiltration Swale	51	47
		Detention Basin	10	3.9
		Infiltration Trench	1	4.7

San Francisco Bay and Urban Creeks Diazinon and Pesticide-Related Toxicity TMDL

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Austin Sand Filter	93%
Biofiltration Strip	75%
Biofiltration Swale	48%
Detention Basin	68%
Infiltration Basin	100%
Infiltration Trench	100%
Wet Basin	89%

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
84	7.93	15.00	TBD
84	12.00	13.00	TBD
84	12.43	14.83	Fall 2016
101	1.83	3.39	TBD
101	2.40	2.90	TBD
101	2.51	3.00	TBD
101	9.11	56.22	TBD
Caltrans will be scheduling stabilization of the remaining erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Diazinon	Caltrans is in compliance with the diazinon waste load allocation in the San Francisco Bay and Urban Creeks watershed. Diazinon is known as a pesticide used in agriculture and Caltrans' policy is to not use diazinon within its ROW. Monitoring results show that diazinon was not detected in water quality samples. Additionally, Caltrans' Integrated Pest Management Plan has an ecosystem-based strategy that focuses on long-term control of pests or their damage through a combination of techniques, such as biological controls, habitat manipulation, modification of cultural practices, and use of pest resistant plant varieties.
Pesticide Toxicity	Caltrans is expected to be in compliance with pesticide waste load allocations in the San Francisco Bay and Urban Creeks watershed since pesticide usage has been regulated. Additionally, Caltrans does not use pesticides within its ROW. Although Caltrans does not use pesticides within its ROW, Caltrans complies with Provision E.2.h.3)b) of the Permit which specifies practices for the safe handling and use of pesticides, including compliance with federal, State and local regulations, and label directions. Caltrans is also required to perform site assessments, applicator training, and implementation of integrated pest and vegetation management practices when using pesticides in order to prevent pesticide discharge in storm water runoff in the San Francisco Bay and Urban Creeks watershed. Additionally, Caltrans implements and maintains structural BMPs to mitigate pesticides in the San Francisco Bay and Urban Creeks watershed. As an additional mitigation measure, Caltrans reduces the sediment transport of pesticides by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the San Francisco Bay and Urban Creeks watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified seven slopes in the San Francisco Bay and Urban Creeks watershed which are prone to erosion. Caltrans has stabilized one slope in the Fall of 2016, and stabilization of all other identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment.
Additional Measures to Achieve WLAs for All Pollutants	As an additional pollution control measure, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Twenty SHOPP projects (PID, PAED, and/or PS&E) are planned in the San Francisco Bay and Urban Creeks watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	17,285

Compliance Units Achieved[9]
30

Total Area Treated (acres)[10]
330

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Diazinon and Pesticide-Related Toxicity in Bay Area Urban Creeks WQAS; TMDL Proposed Basin Plan Amendment Staff Report* (2005); Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC; and Caltrans *Monitoring Results Report: Fiscal Year 2016-2017* .

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and the tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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San Francisco Bay Mercury TMDL

Caltrans District	4
RWQCB Number	2
TMDL Watershed Area (acres)	2,400,544
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	13,475
Percent of Caltrans ROW in TMDL Watershed	0.56%
TMDL Pollutant	Mercury

Waste Load Allocations (WLAs)[2]		
Pollutant	Watershed WLA	
	Entity	kg/year
Mercury	Santa Clara Valley Urban Runoff Pollution Prevention Program	23
	Alameda Countywide Clean Water Program	20
	Contra Costa Clean Water Program	11
	San Mateo County Stormwater Pollution Prevention Program	8.4
	Vallejo Sanitation and Flood Control District	1.6
	Fairfield-Suisun Urban Runoff Management Program	1.6
	American Canyon	0.14
	Sonoma County Area	1.6
	Napa County Area	1.6
	Marin County Area	3.3
	Solano County Area	0.81
	San Francisco County Area	8.8
	Total	82
	Note: There are no waste load allocations specific to Caltrans. However, Caltrans roadways are within the areas of the entities above.	

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	167	Biofiltration Strip	17	0.48
		Biofiltration Swale	26	60
		Detention Basin	17	1.6
		Wet Basin	1	Unknown
2	163	Biofiltration Strip	7	Unknown
		Biofiltration Swale	9	2.1
		Detention Basin	4	Unknown
3	281	Biofiltration Strip	27	4.7
		Biofiltration Swale	26	23
		Detention Basin	26	Unknown
		Infiltration Basin	9	Unknown
4	168	Biofiltration Strip	15	0.44
		Biofiltration Swale	13	1.9
		Detention Basin	1	Unknown
		Wet Basin	1	Unknown

5	278	Biofiltration Strip	40	37
		Biofiltration Swale	25	49
		Detention Basin	6	12
		Infiltration Trench	3	Unknown
6	184	Biofiltration Strip	16	6.3
		Biofiltration Swale	13	12
		Detention Basin	2	Unknown
		Other	1	Unknown
7	179	Biofiltration Strip	8	Unknown
		Biofiltration Swale	2	Unknown
		Infiltration Trench	28	Unknown
		Other	1	Unknown
8	138	DPPIA (Design Pollution Prevention Infiltration Area)	1	0.01
9	176	Biofiltration Strip	31	Unknown
		Biofiltration Swale	6	Unknown
10	170	Biofiltration Strip	72	37
		Biofiltration Swale	38	33
		Detention Basin	4	15
		Other	9	5.1
11	144	No BMPs Proposed		
12	149	Biofiltration Strip	10	4.4
		Biofiltration Swale	8	Unknown
13	172	Austin Sand Filter	2	19
		Biofiltration Strip	67	37
		Biofiltration Swale	51	47
		Detention Basin	10	3.9
		Infiltration Trench	1	4.7

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Strip	75%
Biofiltration Swale	48%
Detention Basin	68%
DPPIA (Design Pollution Prevention Infiltration Area)	100%
Infiltration Basin	100%
Infiltration Trench	100%
Wet Basin	89%

San Francisco Bay Mercury TMDL

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
29	11.10	41.25	TBD
84	7.93	15.00	TBD
84	12.00	13.00	TBD
84	12.43	14.83	Fall 2016
101	1.83	3.39	TBD
101	2.40	2.90	TBD
101	2.51	3.00	TBD
101	9.11	56.22	TBD
128	0.50	0.70	TBD
128	0.50	0.72	TBD
128	0.72	28.50	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Mercury	Caltrans is in compliance with waste load allocations for mercury in the San Francisco Bay watershed. Additionally, Caltrans has an agreement with the Regional Water Quality Control Board that participation in the Aquatic Science Center Program would count towards compliance. Caltrans controls the discharge of nutrients through the control of sediment. Caltrans implements and maintains structural BMPs to mitigate sediment in the San Francisco Bay watershed. Additionally, Caltrans implements control measures to prevent or minimize erosion and sediment discharge by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified 11 slopes in the San Francisco Bay that are prone to erosion. Caltrans will be stabilizing one slope in the Fall of 2016, and will schedule the stabilization of all other identified areas. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites. Existing data suggests that elevated contaminant concentrations in the Bay margins may be partially responsible for the unchanging concentrations of legacy contaminants (PCBs and mercury) in open Bay sediments and biota despite efforts to reduce sources of these contaminants. According to the State Water Resources Control Board's Annual Performance Report，the Water Quality Report Card for the San Francisco Bay states that current storm water loading is meeting the interim waste load allocation of 120 kg/year. Moreover, the report states that recent revisions by the San Francisco Estuary Institute (SFEI) to estimate loads from the Central Valley indicate this source, too, is well below its allocation. The report also mentions that a variety of mercury control measures are being pilot-tested to assess their effectiveness in reducing mercury loads. As an additional pollution control measure, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. There are 37 SHOPP projects (PID and above) planned in the San Francisco Bay watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	12,066

Compliance Units Achieved[9]
44

San Francisco Bay Mercury TMDL

Total Area Treated (acres)[10]
439

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Mercury in San Francisco Bay Proposed Basin Plan Amendment and Staff Report for Revised TMDL and Proposed Mercury WQO* (2006); *Basin Plan Amendment* (2006); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Source: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Sources: Caltrans TMDL Implementation Plan (January 2015); the State Water Resources Control Board's *Annual Performance Reports* Fiscal Year 2014-2015, and Fiscal Year 2015-2016; and *Annual Monitoring Report: A Report of the Regional Monitoring Program for Water Quality in the San Francisco Bay* (2015).

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

San Francisco Bay PCBs TMDL

Caltrans District	4
RWQCB Number	2
TMDL Watershed Area (acres)	2,509,583
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	14,597
Percent of Caltrans ROW in TMDL Watershed	0.58%
TMDL Pollutant	PCBs

Waste Load Allocations (WLAs)[2]	
Pollutant	Watershed WLA
PCBs	2 kg/year

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	253	Biofiltration Strip	17	0.48
		Biofiltration Swale	26	60
		Detention Basin	17	1.6
		Wet Basin	1	Unknown
2	162	Biofiltration Strip	7	Unknown
		Biofiltration Swale	9	2.1
		Detention Basin	4	Unknown
3	283	Biofiltration Strip	27	4.7
		Biofiltration Swale	26	23
		Detention Basin	26	Unknown
		Infiltration Basin	9	Unknown
4	255	Biofiltration Strip	15	0.44
		Biofiltration Swale	13	1.9
		Detention Basin	1	Unknown
		Wet Basin	1	Unknown
5	282	Biofiltration Strip	40	37
		Biofiltration Swale	25	49
		Detention Basin	6	12
		Infiltration Trench	3	Unknown
6	259	Biofiltration Strip	16	6.3
		Biofiltration Swale	13	12
		Detention Basin	2	Unknown
		Other	1	Unknown
7	258	Biofiltration Strip	8	Unknown
		Biofiltration Swale	2	Unknown
		Infiltration Trench	28	Unknown
		Other	1	Unknown
8	251	DPPIA (Design Pollution Prevention Infiltration Area)	1	0.01
9	257	Biofiltration Strip	31	Unknown
		Biofiltration Swale	6	Unknown

10	256	Biofiltration Strip	72	37
		Biofiltration Swale	38	32
		Detention Basin	4	15
		Other	9	5.1
11	143	No BMPs Proposed		
12	252	Biofiltration Strip	10	4.4
		Biofiltration Swale	8	Unknown
13	171	Austin Sand Filter	2	19
		Biofiltration Strip	67	37
		Biofiltration Swale	51	47
		Detention Basin	10	3.9
		Infiltration Trench	1	4.7
14	254	Biofiltration Strip	3	Unknown
		Biofiltration Swale	5	4.1
		Detention Basin	4	Unknown
		Infiltration Basin	1	Unknown

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Austin Sand Filter	93%
Biofiltration Strip	75%
Biofiltration Swale	48%
Detention Basin	68%
DPPIA (Design Pollution Prevention Infiltration Area)	100%
Infiltration Basin	100%
Infiltration Trench	100%
Wet Basin	89%

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
29	11.10	41.25	TBD
84	7.93	15.00	TBD
84	12.00	13.00	TBD
84	12.43	14.83	Fall 2016
101	9.11	56.22	TBD
101	1.83	3.39	TBD
101	2.40	2.90	TBD
101	2.51	3.00	TBD
128	0.50	0.70	TBD
128	0.50	0.72	TBD
128	0.72	28.50	TBD
Caltrans will be scheduling stabilization of the remaining erosion prone areas to address TMDL requirements.			

San Francisco Bay PCBs TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
PCBs	Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the San Francisco Bay watershed. Additionally, Caltrans does not use PCBs within its ROW. Therefore, Caltrans is expected to be in compliance with PCBs waste load allocations in the San Francisco Bay watershed. Toxic pollutants have a high affinity for adherence to fine sediment. A major source of toxic impairments is due to historical loading from the pollutants adhering to sediment. Therefore the appropriate control measures for toxics are to control erosion and prevent or minimize the discharge of fine sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the San Francisco Bay watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified 11 slopes in the San Francisco Bay watershed which are prone to erosion. Caltrans has stabilized one slope in the Fall of 2016, and stabilization of all other identified slopes will be scheduled. Additionally, Caltrans implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Existing data suggests that elevated contaminant concentrations in the Bay margins may be partially responsible for the unchanging concentrations of legacy contaminants (PCBs and mercury) in open Bay sediments and biota despite efforts to reduce sources of these contaminants. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Thirty-seven SHOPP projects (PID, PAED, and/or PS&E) are planned in the San Francisco Bay watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	22,437

Compliance Units Achieved[9]
36

Total Area Treated (acres)[10]
443

San Francisco Bay PCBs TMDL

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: T*MDL for PCBs in San Francisco Bay Final Staff Report for Proposed Basin Plan Amendment* (2008); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Sources: Caltrans *TMDL Implementation Plan* (January 2015); State Water Resources Control Board's *Annual Performance Report* Fiscal Year 2015-2016; and *Annual Monitoring Report: A Report of the Regional Monitoring Program for Water Quality in the San Francisco Bay* (2015).

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

San Gabriel River Metals (Cu, Pb, Zn) and Selenium TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	410,487
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	3,881
Percent of Caltrans ROW in TMDL Watershed	0.95%
TMDL Pollutants	Metals (Cu, Pb, Zn) and Selenium

Waste Load Allocations (WLAs)[2]			
Reach	Pollutant	Dry-Weather	
		WLA (concentration-based) (µg/L)	
San Gabriel Reach 1	Copper	18	
Coyote Creek	Copper	20	
Estuary	Copper	3.7	
San Jose Creek	Selenium	5	
Reach	Pollutant	Wet-Weather	
		WLA Equation (mass-based)[3]	Calculated Caltrans Mass-Based WLA (kg/day)
San Gabriel Reach 2	Lead	Daily storm volume * 166 µg/L* 49%	9.6
Coyote Creek	Copper	Daily storm volume * 27 µg/L * 91.5%	17
	Lead	Daily storm volume * 106 µg/L * 91.5%	68
	Zinc	Daily storm volume * 158 µg/L * 91.5%	102
Note: The WLAs in this table are a combined allocation. The calculated mass-based WLA has been determined based on Caltrans ROW area within the watershed.			

Best Management Practices (BMPs)[4]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	Tributary Drainage Area within Caltrans ROW (acres)[5]
1 (San Gabriel)	147	Biofiltration Strip	7	Unknown
		Biofiltration Swale	33	41
2 (San Gabriel)	155	Austin Sand Filter	2	2.8
		Biofiltration Strip	3	12
		Biofiltration Swale	25	61
		Detention Basin	4	44
		Gross Solids Removal Device	5	3.4
		Infiltration Basin	3	21
		Multi-Chambered Treatment Train	1	Unknown
		Other	1	1.9
3 (San Gabriel)	156	Austin Sand Filter	20	79
		Biofiltration Strip	23	40
		Biofiltration Swale	148	228
		Delaware Sand Filter	1	1.5
		Detention Basin	7	41
		DPPIA (Design Pollution Prevention Infiltration Area)	9	43
		Gross Solids Removal Device	19	26
		Infiltration Basin	20	70
		Infiltration Trench	3	2.7
		Multi-Chambered Treatment Train	1	Unknown
		Other	2	1.1

4 (San Gabriel)	157	Austin Sand Filter	3	9.9
		Biofiltration Strip	1	0.36
		Biofiltration Swale	17	44
		Detention Basin	2	Unknown
		Other	3	1.2
5 (San Jose Creek)	173	Austin Sand Filter	1	5.5
		Biofiltration Strip	16	29
		Biofiltration Swale	77	106
		Delaware Sand Filter	1	1.8
		Detention Basin	2	2.5
		Gross Solids Removal Device	14	29
		Infiltration Basin	1	9.2
		Infiltration Trench	4	10
		Other	4	16
6 (Coyote Creek)	94	Austin Sand Filter	7	34
		Biofiltration Strip	15	19
		Biofiltration Swale	67	95
		Detention Basin	5	32
		Gross Solids Removal Device	1	Unknown
		Infiltration Basin	3	21
		Infiltration Trench	1	Unknown
		Other	1	Unknown

BMP Effectiveness[6]			
Treatment BMP Type	Total Cu Removal	Total Pb Removal	Total Zn Removal
Austin Sand Filter	83%	92%	87%
Biofiltration Strip	86%	88%	79%
Biofiltration Swale	69%	62%	75%
Delaware Sand Filter	87%	86%	93%
Detention Basin	68%	70%	63%
DPPIA (Design Pollution Prevention Infiltration Area)	100%	100%	100%
Infiltration Basin	100%	100%	100%
Infiltration Trench	100%	100%	100%
Multi-Chambered Treatment Train	89%	98%	86%

Slopes Prone to Erosion[7]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	0.00	59.90	TBD
1	9.78	62.87	TBD
2	27.22	60.08	TBD
Caltrans will be scheduling stabilization of the erosion prone areas to address TMDL requirements.			

San Gabriel River Metals (Cu, Pb, Zn) and Selenium TMDL

Progress Towards Achieving WLAs and Performance Standards[2,7,8]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Metals	Caltrans is in compliance with metal (Cu, Pb, Zn) waste load allocations for dry-weather in the San Gabriel River and Impaired Tributaries, since Caltrans does not contribute any dry-weather discharge from its ROW. Caltrans is in compliance with metals (Cu, Pb, Zn) waste load allocations for wet-weather in the San Gabriel River and Impaired Tributaries. Caltrans continues to implement appropriate control measures to reduce the discharge of dissolved fraction metals, such as physical structures that prevent contaminated runoff from reaching receiving waters. According to the State Water Resources Control Board's Annual Performance Report, the Water Quality Report Card for the San Gabriel River and Impaired Tributaries shows water quality standards are being attained for lead in the San Gabriel Reach 2 during wet-weather. The report also states that the number of exceedances for copper, lead and zinc in Coyote Creek during wet-weather has decreased in frequency relative to conditions prior to the TMDL adoption, and remain relatively low in magnitude. The same has been observed of copper exceedances during dry weather in the San Gabriel River Estuary. Zinc in Coyote Creek was removed from the 303(d) list in 2010.
Selenium	Caltrans is in compliance with selenium waste load allocations for dry-weather in the San Gabriel River and Impaired Tributaries, since Caltrans does not contribute any dry-weather discharge from its ROW. According to the State Water Resources Control Board's Annual Performance Report, the Water Quality Report Card for the San Gabriel River and Impaired Tributaries shows water quality standards are being attained for selenium in San Jose Creek during dry-weather. Selenium in San Jose Creek was removed from the 303(d) list in 2010.
Additional Measures to Achieve WLAs for All Pollutants	As an additional mitigation measure, Caltrans reduces the sediment transport of metals and selenium by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the San Gabriel River and Impaired Tributaries by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified three slopes in the San Gabriel River and Impaired Tributaries watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Sixity-nine SHOPP projects (PID, PAED, and/or PS&E) are planned in the San Gabriel River and Impaired Tributaries that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[6,9]	
Pollutant	Removed (kg/day)
Total Cu	0.89
Total Pb	0.63
Total Zn	4.7

Compliance Units Achieved[10]
88

Total Area Treated (acres)[11]
1,186

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Metals and Selenium San Gabriel River and Impaired Tributaries* (2007); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Equation is taken from the San Gabriel River and Impaired Tributaries Metals and Selenium TMDL Staff Report (2010) and V is the daily storm volume in liters.

[4] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[5] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[6] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[7] Sources: *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, Fiscal Year 2017-2018.

[8] Sources: Caltrans *TMDL Implementation Plan* (January 2015); State Water Resources Control Board's *Annual Performance Report* Fiscal Year 2015-2016; and Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[9] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[10] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[11] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

San Lorenzo River (includes Carbonera, Lompico, and Shingle Mill Creeks) Sediment TMDL

Caltrans District	5
RWQCB Number	3
TMDL Watershed Area (acres)	87,927
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	546
Percent of Caltrans ROW in TMDL Watershed	0.62%
TMDL Pollutant	Sediment

Waste Load Allocations (WLAs)[2]					
Pollutant	Watershed Allocation (tons/year)				
	Sediment Source Category	Shingle Mill Creek	Carbonera Creek	Lompico Creek	San Lorenzo River
Sediment	Upland Timber Harvest Plan (THP) Roads	0	419	362	25,215
	Streamside THP Roads on Steep Slopes	0	182	164	10,949
	Upland Public/Private Roads	146	1,235	367	13,835
	Streamside Public/Private Roads on Steep Slopes	77	135	239	6,178
	THP Land	0	23	16	1,057
	Other Urban and Rural Land	310	2,622	965	43,368
	Mass Wasting	0	4,082	6,440	157,388
	Channel/Bank Erosion	324	3,030	989	48,149
	Total Allocation = TMDL	857	11,728	9,542	306,139
	The watershed allocations combine nonpoint source load allocations and point source waste load allocations for each segment in the above table. The allocations represent total annual loads and accounts for seasonal variation in sediment loads.				
	Caltrans WLA				
	There is no waste load allocation assigned to Caltrans.				

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	238	Biofiltration Strip	1	Unknown
		Biofiltration Swale	2	Unknown
		DPP (Design Pollution Prevention)	1	8.0
2	230	No BMPs Proposed		
3	235	No BMPs Proposed		
4	237	Other	1	6.8
5	231	No BMPs Proposed		

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Strip	75%
Biofiltration Swale	48%

San Lorenzo River (includes Carbonera, Lompico, and Shingle Mill Creeks) Sediment TMDL

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	0.00	64.80	TBD
1	0.50	25.60	TBD
1	5.00	42.00	TBD
17	0.00	12.45	TBD
17	7.99	12.00	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with sediment waste load allocations in the San Lorenzo River watershed because Caltrans in compliance with their stormwater permit. Although there is no specific waste load allocation, compliance with the stormwater permit is deemed to be sufficient to meet the Caltrans sediment TMDL requirements in the San Lorenzo River Watershed. As part of the stormwater permit, Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the San Lorenzo River Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Additionally, Caltrans implements structural BMPs, such as biofiltration strips and biofiltration swales, which are effective in removing sediment. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified five slopes in the San Lorenzo River Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Two SHOPP projects (PID, PAED, and/or PS&E) are planned in the San Lorenzo River Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available due to unknown BMP tributary drainage area.

Compliance Units Achieved[9]
0

Total Area Treated (acres)[10]
15

San Lorenzo River (includes Carbonera, Lompico, and Shingle Mill Creeks) Sediment TMDL

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *San Lorenzo River TMDL for Sediment Staff Report* (2002); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Source: Caltrans *TMDL Implementation Plan* (2015).

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed.

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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San Pedro and Pacifica State Beach Bacteria TMDL

Caltrans District	4
RWQCB Number	2
TMDL Watershed Area (acres)	5,252
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	16
Percent of Caltrans ROW in TMDL Watershed	0.3%
TMDL Pollutant	Bacteria

Waste Load Allocations (WLAs)[2]						
Pollutant	Watershed WLA					
Bacteria		Pacifica State Beach			San Pedro Creek	
		Summer Dry-Weather	Winter Dry-Weather	Wet-Weather (Critical Condition)	Dry-Weather	Wet-Weather (Critical Condition)
	Daily Sampling (No. days)	0	2	30	4	26
	Weekly Sampling (No. days)	0	1	5	1	4

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	297	Biofiltration Strip	2	Unknown
		Biofiltration Swale	5	2.3
		Detention Basin	1	2.2
Source Controls[5]				
Clean-Up of Illegal Dumping	Illegal dumping is prohibited by state and local laws and is enforced by the California Highway Patrol (CHP) and local law enforcement agencies. Caltrans relies on CHP and Caltrans staff to investigate and resolve reports of suspected illegal connections and illicit discharges. Caltrans has trained in-house and contract hazardous response staff to manage and clean up spills. Caltrans District 7 prepares and implements a Hazardous Spill Contingency Plan on an annual basis.			
Prohibition of Non-Storm water Discharges	Caltrans prohibits non-storm water discharges to the MS4 and reduces pollution caused by wastes associated with non-storm water discharges to the maximum extent practicable. Caltrans implements BMPs through their construction, design and maintenance divisions to control non-storm water pollutants.			
Public Education on Littering	Caltrans partners with various organizations at both the state and local levels, focusing on educating and motivating the public to modify peoples' behavior regarding stormwater pollution. District NPDES Coordinators work with the District's Public Information Officer to educate the public about stormwater pollution. Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year. Caltrans staff volunteers collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign through their "Protect Every Drop" campaign, which addresses key actions the public can take to properly dispose of trash and pollutants.			
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces, which removes tracked sediment and other materials to prevent them from entering a storm drain or watercourse.			

BMP Effectiveness
Not applicable. Waste load allocations are assigned as allowable exceedance days.

San Pedro and Pacifica State Beach Bacteria TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Bacteria	Caltrans is in compliance with bacteria waste load allocations for dry-weather flows in the San Pedro and Pacifica State Beach Watershed, since Caltrans does not contribute any dry-weather discharge from its ROW. Caltrans is expected to be in compliance with bacteria waste load allocations for wet-weather flows in the San Pedro and Pacifica State Beach watershed. Caltrans minimizes wet-weather discharges from its ROW into receiving waterbodies impaired for bacteria by implementing treatment BMPs and source control/preemptive activities such as street sweeping, clean-up of illegal dumping, prohibition of non-storm water discharges, and public education on littering as described above. As an additional control measure, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. One SHOPP project (PID, PAED, and/or PS&E) is planned in the San Pedro and Pacifica State Beach watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed
Bacteria	Not applicable. Waste load allocations are assigned as allowable exceedance days.

Compliance Units Achieved[7]
0

Total Area Treated (acres)[8]
4.6

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Bacteria in San Pedro Creek and at Pacifica State Beach Final Staff Report for Proposed Basin Plan Amendment* (2012); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *Statewide Storm Water Management Plan* (2016); and Caltrans *TMDL Implementation Plan* (January 2015).

[6] Sources: Caltrans *TMDL Implementation Plan* (January 2015); State Water Resources Control Board's *Annual Performance Report* Fiscal Year 2015-2016; and *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[8] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Santa Clara River Estuary and Reaches 3, 5, 6, and 7 Coliform TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	611,245
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,402
Percent of Caltrans ROW in TMDL Watershed	0.23%
TMDL Pollutant	Indicator Bacteria

Waste Load Allocations (WLAs)[2]				
Pollutant	Watershed WLA			
	Santa Clara River Estuary		Santa Clara River Reaches 3,5,6, and 7	
	Single Sample	Geometric Mean	Single Sample	Geometric Mean
E. Coli	N/A	N/A	235 MPN/100 mL	126 MPN/100 mL
Fecal Coliform	400 MPN/100 mL	200 MPN/100 mL	N/A	N/A
Enterococcus	104 MPN/100 mL	35 MPN/100 mL	N/A	N/A
Total Coliform	10,000 MPN/100 mL	1,000 MPN/100 mL	N/A	N/A
The Statewide Stormwater Permit for Caltrans Activities are assigned waste load allocations of zero (0) allowable exceedance days of the single samples targets for both dry- and wet-weather and no exceedances of the geometric mean targets.				

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	310	Austin Sand Filter	1	1.4
		Biofiltration Strip	7	6.2
		Biofiltration Swale	41	77
		DPP (Design Pollution Prevention)	7	36
		Infiltration Basin	5	13
		Infiltration Trench	8	2.9
		Other	1	Unknown
2	313	No BMPs Proposed		
3	308	Detention Basin	5	Unknown
		Other	1	Unknown
4	270	Biofiltration Strip	5	3.9
		Biofiltration Swale	40	81
		Delaware Sand Filter	3	5.2
		DPP (Design Pollution Prevention)	1	17
		DPPIA (Design Pollution Prevention Infiltration Area)	4	5.3
		Gross Solids Removal Device	10	11
		Infiltration Basin	2	5.2
		Infiltration Trench	9	17
5	271	Austin Sand Filter	2	23
		Biofiltration Swale	6	7.7
		Detention Basin	1	6.3
		DPPIA (Design Pollution Prevention Infiltration Area)	5	6.9
		Gross Solids Removal Device	1	1.3
		Infiltration Trench	11	16
		Other	1	0.56

6	298	Austin Sand Filter	1	10
		Biofiltration Swale	25	44
		Detention Basin	3	27
		Infiltration Trench	1	1.7

Source Controls[5]	
Clean-Up of Illegal Dumping	Illegal dumping is prohibited by state and local laws and is enforced by the California Highway Patrol (CHP) and local law enforcement agencies. Caltrans relies on CHP and Caltrans staff to investigate and resolve reports of suspected illegal connections and illicit discharges. Caltrans has trained in-house and contract hazardous response staff to manage and clean up spills. Caltrans District 7 prepares and implements a Hazardous Spill Contingency Plan on an annual basis.
Prohibition of Non-Storm water Discharges	Caltrans prohibits non-storm water discharges to the municipal separate storm sewer system and reduces pollution caused by wastes associated with non-storm water discharges to the maximum extent practicable. Caltrans implements BMPs through their construction, design and maintenance divisions to control non-storm water pollutants.
Public Education on Littering	Caltrans partners with various organizations at both the state and local levels, focusing on educating and motivating the public to modify peoples' behavior regarding stormwater pollution. District NPDES Coordinators work with the District's Public Information Officer to educate the public about stormwater pollution. Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year. Caltrans staff volunteers collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign through their "Protect Every Drop" campaign, which addresses key actions the public can take to properly dispose of trash and pollutants.
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces, which removes tracked sediment and other materials to prevent them from entering a storm drain or

BMP Effectiveness
Not applicable. Waste load allocations are assigned as allowable exceedance days.

Progress Towards Achieving WLAs and Performance Standards[2,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Indicator Bacteria	Caltrans is in compliance with indicator bacteria waste load allocations for dry-weather flows in the Santa Clara River Estuary and Reaches 3,5,6 and 7, since Caltrans does not contribute any dry-weather discharge from its ROW. Caltrans is expected to be in compliance with indicator bacteria waste load allocations for wet-weather flows in the Santa Clara River Estuary and Reaches 3,5,6 and 7. Caltrans minimizes wet-weather discharges from its ROW into receiving waterbodies impaired for bacteria by implementing treatment BMPs and source control/preemptive activities such as street sweeping, clean-up of illegal dumping, prohibition of non-storm water discharges, and public education on littering as described above. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan.Twenty-eight SHOPP projects (PID, PAED, and/or PS&E) are planned in the Santa Clara River Estuary and Reaches 3, 5, 6, and 7 that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed
Indicator Bacteria	Not applicable. Waste load allocations are assigned as allowable exceedance days.

Compliance Units Achieved[7]
9

Total Area Treated (acres)[8]
468

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Indicator Bacteria in Santa Clara River Estuary and Reaches 3,5,6 and 7 Staff Report* (2010); Attachment A to Resolution No. R10-006 Basin Plan Amendment 2010; and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *Statewide Storm Water Management Plan* (2016); and Caltrans *TMDL Implementation Plan* (January 2015).

[6] Sources: Caltrans *TMDL Implementation Plan* (January 2015); and Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[8] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Santa Clara River Reach 3 Chloride TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	249,835
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	425
Percent of Caltrans ROW in TMDL Watershed	0.17%
TMDL Pollutant	Chloride

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Chloride	80 mg/L

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area in Caltrans ROW (acres)[4]
1	311	Biofiltration Strip	1	Unknown
		Biofiltration Swale	26	46
		DPP (Design Pollution Prevention)	3	25
		Infiltration Basin	4	11
2	312	No BMPs Proposed		
3	309	Detention Basin	5	Unknown
		Other	1	Unknown

BMP Effectiveness[5]
Not available due to unknown event mean concentration highway runoff data for chloride.

Progress Towards Achieving WLAs and Performance Standards[2,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Chloride	Caltrans is in compliance with the chloride waste load allocation in the Santa Clara River Reach 3 watershed. Chloride in the Santa Clara River Reach 3 watershed is primarily due to increased salt loadings from imported water, the use of self-regenerating water softeners, and the use of de-icers on roadways, which Caltrans does not implement within its right-of-way. Therefore, Caltrans is not required to implement additional measures to address chloride and is in compliance with waste load allocations for chloride without any additional control actions as long as they are in compliance with the Permit. Total loads from two water reclamation plants comprise approximately 80% of the total estimated load and other minor discharges (one of the five sources includes Caltrans) comprise less than 5% of the total estimated load under low flow conditions in the Santa Clara River Reach 3 watershed. Minor discharges are typically related to dewatering and construction projects that are covered by other NPDES permits. As an additional pollutant measure, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Nineteen SHOPP projects (PID, PAED, and/or PS&E) are planned in the Santa Clara River Reach 3 watershed that include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal
Not available due to unknown event mean concentration highway runoff data for chloride.

Compliance Units Achieved[7]
6

Total Area Treated (acres)[8]
57

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Chloride in the Santa Clara River, Reach 3 Staff Report* (2003); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data is from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acres within Caltrans ROW the BMPs are treating. If a BMP is present and the tributary acreage not known, the area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *TMDL Implementation Plan* (January 2015); and *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[8] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Santa Monica Bay DDTs and PCBs TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	266,010
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	2,184
Percent of Caltrans ROW in TMDL Watershed	0.82%
TMDL Pollutants	DDTs and PCBs

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Total DDTs	0.23 g/year
Total PCBs	1.19 g/year

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	77	Biofiltration Swale	10	6.1
		Gross Solids Removal Device	5	8.1
2	73	Biofiltration Swale	1	0.58
3	263	Austin Sand Filter	10	27
		Biofiltration Strip	29	44
		Biofiltration Swale	36	55
		DPP (Design Pollution Prevention)	1	4.4
		Gross Solids Removal Device	5	8.6
4	101	Biofiltration Swale	1	0.58
5	97	No BMPs Proposed		
6	103	Austin Sand Filter	13	30
		Biofiltration Swale	27	94
		DPP (Design Pollution Prevention)	3	43
		Gross Solids Removal Device	89	50
		Infiltration Basin	4	39
		Infiltration Trench	1	1.8
7	105	Biofiltration Swale	2	2.0
8	99	No BMPs Proposed		
9	110	No BMPs Proposed		
10	71	Biofiltration Swale	3	0.76
11	75	Biofiltration Swale	4	2.2

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Austin Sand Filter	93%
Biofiltration Strip	75%
Biofiltration Swale	48%
Infiltration Basin	100%
Infiltration Trench	100%

Santa Monica Bay DDTs and PCBs TMDL

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	0.00	59.90	TBD
1	9.78	62.87	TBD
1	41.03	44.02	TBD
1	38.95	39.22	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
DDTs	Caltrans is expected to be in compliance with DDTs waste load allocations in the Santa Monica Bay watershed since DDTs are no longer in production and its usage has been regulated. Additionally, Caltrans does not use DDTs within its ROW. Although Caltrans does not use pesticides within its ROW, Caltrans complies with Provision E.2.h.3)b) of the Permit which specifies practices for the safe handling and use of pesticides, including compliance with federal, State and local regulations, and label directions. Caltrans is also required to perform site assessments, applicator training, and implementation of integrated pest and vegetation management practices when using pesticides in order to prevent pesticide discharge in storm water runoff in the Santa Monica Bay watershed. Additionally, Caltrans implements and maintains structural BMPs to mitigate pesticides in the Santa Monica Bay watershed. As an additional mitigation measure, Caltrans reduces the sediment transport of DDTs by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the Santa Monica Bay watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
PCBs	Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the Santa Monica Bay watershed. Additionally, Caltrans does not use PCBs within its ROW. Therefore, Caltrans is expected to be in compliance with PCBs waste load allocations in the Santa Monica Bay watershed. Toxic pollutants have a high affinity for adherence to fine sediment. A major source of toxic impairments is due to historical loading from the pollutants adhering to sediment. Therefore the appropriate control measures for toxics are to control erosion and prevent or minimize the discharge of fine sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Santa Monica Bay watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Additional Measures to Achieve WLAs for All Pollutants	Caltrans implements and maintains structural BMPs to mitigate sediment in the Santa Monica Bay watershed. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified four slopes in the Santa Monica Bay watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Additionally, Caltrans implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Thirty-one SHOPP projects (PID, PAED, and/or PS&E) are planned in the Santa Monica Bay watershed that include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	7,425

Compliance Units Achieved[9]
24

Santa Monica Bay DDTs and PCBs TMDL

Total Area Treated (acres)[10]
416

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Santa Monica Bay TMDL for DDTs and PCBs Staff Report* (2012); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Santa Monica Bay Beaches Bacteria TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	266,010
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	2,184
Percent of Caltrans ROW in TMDL Watershed	0.82%
TMDL Pollutant	Bacteria

Waste Load Allocations (WLAs)[2]							
Pollutant	Watershed WLA						
	Location	Summer Dry-Weather		Winter Dry-Weather		Wet-Weather (Critical condition for watershed)	
		Daily Sampling (No. days)	Weekly Sampling (No. days)	Daily Sampling (No. days)	Weekly Sampling (No. days)	Daily Sampling (No. days)	Weekly Sampling (No. days)
Bacteria	Leo Carillo Beach (Reference)	0	0	9	2	17	3
	There are 67 sample stations within the Santa Monica Bay Beaches watershed, each with their own waste load allocation for winter dry-weather and wet-weather allowable number of exceedance days. Leo Carillo Beach, the reference location, has been used to represent the waste load allocations in the watershed. Caltrans indirectly discharges to the Santa Monica Bay Beaches Watershed through the local storm drain conveyance system. The above table is the allowable number of exceedance days for the single sample targets. In addition to the single sample targets, geometric mean targets, as set by the Basin Plan, may not be exceeded at any time.						

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	78	Biofiltration Swale	10	6.1
		Gross Solids Removal Device	5	8.1
2	74	Biofiltration Swale	1	0.58
3	264	Austin Sand Filter	10	27
		Biofiltration Swale	29	44
		Biofiltration Strip	36	55
		DPP (Design Pollution Prevention)	1	4.4
		Gross Solids Removal Device	5	8.6
4	102	Biofiltration Swale	1	0.58
5	98	No BMPs Proposed		
6	104	Austin Sand Filter	13	30
		Biofiltration Swale	27	94
		DPP (Design Pollution Prevention)	3	43
		Infiltration Basin	4	39
		Infiltration Trench	1	1.8
		Gross Solids Removal Device	89	50
7	106	Biofiltration Swale	2	2.0
8	100	No BMPs Proposed		
9	111	No BMPs Proposed		
10	72	Biofiltration Swale	3	0.76
11	76	Biofiltration Swale	4	2.2

Santa Monica Bay Beaches Bacteria TMDL

Source Controls[5]	
Clean-Up of Illegal Dumping	Illegal dumping is prohibited by state and local laws and is enforced by the California Highway Patrol (CHP) and local law enforcement agencies. Caltrans relies on CHP and Caltrans staff to investigate and resolve reports of suspected illegal connections and illicit discharges. Caltrans has trained in-house and contract hazardous response staff to manage and clean up spills. Caltrans District 7 prepares and implements a Hazardous Spill Contingency Plan on an annual basis.
Prohibition of Non-Storm water Discharges	Caltrans prohibits non-storm water discharges to the municipal separate storm sewer system and reduces pollution caused by wastes associated with non-storm water discharges to the maximum extent practicable. Caltrans implements BMPs through their construction, design and maintenance divisions to control non-storm water pollutants.
Public Education on Littering	Caltrans partners with various organizations at both the state and local levels, focusing on educating and motivating the public to modify peoples' behavior regarding stormwater pollution. District NPDES Coordinators work with the District's Public Information Officer to educate the public about stormwater pollution. Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year. Caltrans staff volunteers collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign through their "Protect Every Drop" campaign, which addresses key actions the public can take to properly dispose of trash and pollutants.
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces, which removes tracked sediment and other materials to prevent them from entering a storm drain or watercourse.

BMP Effectiveness[6]	
Treatment BMP Type	Removal Efficiency
Austin Sand Filter	72%
Biofiltration Strip	92%
Infiltration Basin	100%
Infiltration Trench	100%

Progress Towards Achieving WLAs and Performance Standards[2,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Bacteria	Caltrans is in compliance with bacteria waste load allocations for dry-weather flows in the Santa Monica Bay Beaches watershed, since Caltrans does not contribute any dry-weather discharge from its ROW. According to the California Water Board's Annual Performance Report, the Water Quality Report Card for Santa Monica Bay Beaches reports that since 2005, water quality data show a significant improvement during dry weather. Caltrans is not expected to be in compliance with bacteria waste load allocations for wet-weather flows in the Santa Monica Bay Beaches watershed. Monitoring results show exceedances above the waste load allocation. Caltrans minimizes wet-weather discharges from its ROW into receiving waterbodies impaired for bacteria by implementing treatment BMPs and source control/preemptive activities such as street sweeping, clean-up of illegal dumping, prohibition of non-storm water discharges, and public education on littering as described above. As an additional pollutant control measure, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Thirty-two SHOPP projects (PID, PAED, and/or PS&E) are planned in the Santa Monica Bay Beaches watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed
Bacteria	Not applicable. Waste load allocations are assigned as allowable exceedance days.

Compliance Units Achieved[8]
13

Total Area Treated (acres)[9]
369

Santa Monica Bay Beaches Bacteria TMDL

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Santa Monica Bay Beaches Wet-Weather Bacteria TMDL* (2002); *Reconsideration of Technical Matters of the Santa Monica Bay Beaches Bacteria TMDLs; the Marina del Rey Harbor Mothers' Bach and Back Basins Bacteria* (2012); and *the Los Angeles Harbor Inner Cabrillo Beach and Main Ship Channel Bacteria TMDL Staff Report* (2012), and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *Statewide Storm Water Management Plan* (2016) and Caltrans *TMDL Implementation Plan* (January 2015).

[6] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[7] Sources: Caltrans *TMDL Implementation Plan* (January 2015); State Water Resources Control Board's *Annual Performance Report* Fiscal Year 2015-2016; Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; and *Examination of SMBBB TMDL Stations of Santa Monica Bay Month of July 2016* (August 2016).

[8] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[9] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Santa Monica Bay Nearshore and Offshore Debris (Trash and Plastic Pellets) TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	126,801
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	704
Percent of Caltrans ROW in TMDL Watershed	0.56%
TMDL Pollutants	Debris (Trash and Plastic Pellets)

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Trash	0 or 0% of baseline load (zero trash)
Plastic Pellets	Not applicable, as waste load allocations for plastic pellets are assigned to permittees of the Industrial Storm Water General Permit within the Santa Monica Bay watershed management area.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	119	Austin Sand Filter	1	1.9
		Biofiltration Strip	8	9.9
		Biofiltration Swale	5	6.4
2	117	Biofiltration Strip	4	6.4
		DPP (Design Pollution Prevention)	1	4.4
		Biofiltration Swale	6	4.7
3	120	No BMPs Proposed		
4	276	No BMPs Proposed		
5	122	Austin Sand Filter	1	1.1
		Biofiltration Strip	5	5.9
		Biofiltration Swale	5	5.7
		Gross Solids Removal Device	1	Unknown
6	124	No BMPs Proposed		
7	115	Biofiltration Swale	4	2.2
8	123	No BMPs Proposed		
9	109	Biofiltration Swale	7	3.3
		Gross Solids Removal Device	2	3.0
10	274	No BMPs Proposed		
11	113	Biofiltration Swale	1	0.58
12	114	No BMPs Proposed		
13	112	Biofiltration Swale	2	2.0
14	116	No BMPs Proposed		
15	118	No BMPs Proposed		
16	121	No BMPs Proposed		

Santa Monica Bay Nearshore and Offshore Debris (Trash and Plastic Pellets) TMDL

Source Controls[5,6]	
Adopt-A-Highway Program	The Adopt-A-Highway Program provides an avenue for individuals, organizations, and businesses to help maintain sections of roadside for various activities including litter removal within California's State Highway System. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 1,542 yd^3 of trash through the Adopt-A-Highway Program.
California Conservation Corps and Caltrans Parolee Program[7]	The Division of Maintenance has partnership programs with the California Department of Corrections and Rehabilitation and the California Conservation Corps. Parolees and Corps employees provide contracted services to assist in the removal of trash and litter from the ROW. As of Fiscal Year 2015-2016, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection, and 5,807 yd^3 of trash through the Caltrans Parolee Program.
District Crew Collection[7]	Caltrans crews conduct manual cleanup of trash and litter from the ROW. As mentioned above, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection in Fiscal Year 2015-2016.
Public Education	Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year Caltrans staff volunteers to collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign with the Caltrans "Protect Every Drop" campaign. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 589 yd^3 of trash through Public Education.
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 12,024 yd^3 of trash through Roadway Sweeping.
Slope/Soil Stabilization Area	Soil stabilization is placed to stabilize areas disturbed by grading operations, to reduce loss of soil due to the action of water or wind, and to prevent water pollution. There is one slope/soil stabilization area treating a total of 4.37 acres within Caltrans ROW.
Storm Drain Maintenance	Caltrans cleans the storm drainage system inlets and culverts of accumulated materials. These activities are conducted manually and by vactor trucks. Caltrans District 7 performs additional inspection and cleaning through its Enhanced Annual Storm Drain Inlet Inspection and Cleaning Program in metropolitan areas. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 7,390 yd^3 of trash from Storm Drain Maintenance activities.

BMP Effectiveness[8]	
Treatment BMP Type	Removal Efficiency
Austin Sand Filter	Certified Full Capture Device (100% Trash Removal Efficiency)
Biofiltration Strip	Partial Trash Removal
Biofiltration Swale	Partial Trash Removal
Gross Solids Removal Device	Certified Full Capture Device (100% Trash Removal Efficiency)

Progress Towards Achieving WLAs and Performance Standards[2,5,6,9,10]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Trash	Although there have been significant improvements in the reduction of trash, measures are not sufficient for Caltrans to achieve waste load allocations in the Santa Monica Bay Nearshore & Offshore watershed. Caltrans employs several types of trash removal devices in the Santa Monica Bay Nearshore & Offshore watershed, including Austin sand filters, biofiltration strips, biofiltration swales, and gross solids removal devices. Caltrans also employs non-structural BMPs in the Santa Monica Bay Nearshore & Offshore Watershed to mitigate trash including sweeping, drain inlet cleaning, trash collection, storm drain stenciling, slope/soil stabilization, covered trash bins, public education, and public participation. Additionally, Caltrans has increased the frequency of the Adopt-A-Highway program to treat beyond the minimum permit requirements. Caltrans also collaborates with the California Public Education Campaign to further engage in public education. Moreover, programs such as the Caltrans Parolee Program, California Conservation Corps, District Crew Collection, and Storm Drain Maintenance activities help remove trash from the Caltrans ROW. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Eighteen SHOPP projects (PID, PAED, and/or PS&E) are planned in the Santa Monica Bay Nearshore & Offshore Watershed that will include treatment BMPs.
Plastic Pellets	Caltrans is not responsible for compliance with the plastic pellets waste load allocations, because they are assigned to permittees of the Industrial Storm Water General Permit within the Santa Monica Bay watershed management area only.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Santa Monica Bay Nearshore and Offshore Debris (Trash and Plastic Pellets) TMDL

Acres Treated for Trash[11]
6.0

Compliance Units Achieved[12]
0

Total Area Treated (acres)[13]
54

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Santa Monica Bay Nearshore and Offshore Debris TMDL Staff Report* (2010); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in this value.

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); Caltrans *Annual Report* Fiscal Year 2015-2016, Appendix E; and Caltrans *District 7 Litter Management Pilot Study* (June 2000).

[6] Source: Caltrans *Project Planning and Design Guide* (2016).

[7] The data value was reported as a combined volume of trash removed from the District Crew Collection and California Conservation Corps. Volumes for each source control could not be individually separated.

[8] Source: Certified as Full Capture Systems by the State Water Resources Control Board Executive Director Certification as listed on the Multi-Benefit Treatment System List.

[9] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[10] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[11] The acres represented include Caltrans impervious and pervious area treated by certified full capture devices with 100% trash removal efficiency.

[12] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[13] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Scott River Sediment and Temperature TMDL

Caltrans District	2
RWQCB Number	1
TMDL Watershed Area (acres)	521,092
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	335
Percent of Caltrans ROW in TMDL Watershed	0.06%
TMDL Pollutants	Sediment and Temperature

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Sediment	There are no point sources of sediment-related discharges into the Scott River Watershed. The sediment waste load allocation for Caltrans is zero.
Temperature	There are no point sources of heat into the Scott River Watershed. The temperature waste load allocation for Caltrans is zero.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	346	No BMPs Proposed		
2	210	No BMPs Proposed		
3	348	No BMPs Proposed		
4	189	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Progress Towards Achieving WLAs and Performance Standards[2,4]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the Scott River Watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Scott River Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems are inspected on an as-needed basis. Additionally, Caltrans implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. According to the State Water Resources Control Board's Annual Performance Report, water quality conditions for sediment are improving in the Scott River Watershed, as monitoring data indicate a decreasing trend of sediment levels. Fish screens on all diversions have been installed, livestock fencing has been constructed, off-stream stock water systems have been installed and instream and riparian habitats have been restored in the watershed. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Three SHOPP projects (PID, PAED, and/or PS&E) are planned in the Scott River watershed that will include treatment BMPs.
Temperature	Caltrans is expected to be in compliance with temperature waste load allocations by not altering the natural temperature. Caltrans preserves existing riparian biotic conditions immediately adjacent to, and provides effective shade near, receiving waters susceptible to temperature increases. Any alteration of riparian biotic conditions that may increase sedimentation or reduce effective shade requires that Caltrans' obtain written authorization by the applicable RWQCB Executive Officer or designee prior to beginning work.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Scott River Sediment and Temperature TMDL

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[5]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Staff Report for the Action Plan for the Scott River Watershed Sediment and Temperature TMDL* (2005); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018; Caltrans *TMDL Implementation Plan* (2015); and the California Water Board's *Annual Performance Reports* Fiscal Year 2014-2015, Fiscal Year 2015-2016.

[5] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Shasta River Dissolved Oxygen and Temperature TMDL

Caltrans District	2
RWQCB Number	1
TMDL Watershed Area (acres)	505,545
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	961
Percent of Caltrans ROW in TMDL Watershed	0.19%
TMDL Pollutants	Dissolved Oxygen and Temperature

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Dissolved Oxygen	There are no point source oxygen-demanding constituents in the Shasta River watershed. There is no WLA for dissolved oxygen.
Temperature	There are no point source heat loads in the Shasta River watershed. There is no waste load application for temperature.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	Tributary Drainage Area in Caltrans ROW (acres)[4]
1	215	Infiltration Basin	1	Unknown
		Traction Sand Trap	1	Unknown
2	195	Biofiltration Strip	14	Unknown
		Biofiltration Swale	17	Unknown
		Traction Sand Trap	1	Unknown
3	216	Biofiltration Strip	8	Unknown
		Detention Basin	1	Unknown
		Traction Sand Trap	3	Unknown

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Strip	75%
Biofiltration Swale	48%
Detention Basin	68%
Infiltration Basin	100%
Traction Sand Trap	60%

Shasta River Dissolved Oxygen and Temperature TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Dissolved Oxygen	Caltrans is in compliance with dissolved oxygen in the Shasta River watershed. However, as an additional measure, Caltrans controls fine sediment inputs to the Shasta River watershed to mitigate dissolved oxygen impairments. Caltrans will implement control measures to prevent or minimize erosion and sediment discharge by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains and not modifying natural runoff flow patterns. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems are inspected on an as-needed basis. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites. As an additional pollutant control measure, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Six SHOPP projects (PID, PAED, and/or PS&E) are planned in the Shasta River watershed that will include treatment BMPs.
Temperature	Caltrans is in compliance with the temperature waste load allocation in the Shasta River watershed by not altering the natural temperature. Caltrans preserves existing riparian biotic conditions immediately adjacent to, and provides effective shade near, receiving waters susceptible to temperature increases. Any alteration of riparian biotic conditions that may increase sedimentation or reduce effective shade requires that Caltrans obtain written authorization by the applicable RWQCB Executive Officer or designee prior to beginning work. According to the State Water Resources Control Board's Annual Performance Report, the Water Quality Report Card for the Shasta River watershed shows a decrease in stream temperatures at some locations. Additionally, the report states that conditions have improved in the upper watershed areas and 168 miles of riparian fencing has been installed along the Shasta River and five tributary segments to exclude livestock.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,7]	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available due to unknown BMP tributary drainage area.

Compliance Units Achieved[8]
0

Total Area Treated (acres)
Not available due to unknown BMP tributary drainage area.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Staff Report for the Action Plan for the Shasta River Watershed Temperature and Dissolved Oxygen TMDL* (2006); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values; and *Highway 267 Filter Fabric Sand Trap Pilot Study* (February 2006).

[6] Sources: Caltrans *TMDL Implementation Plan* (January 2015); and State Water Resources Control Board's *Annual Performance Report* Fiscal Year 2015-2016.

[7] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed.

[8] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Sonoma Creek Sediment TMDL

Caltrans District	4
RWQCB Number	2
TMDL Watershed Area (acres)	106,592
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	297
Percent of Caltrans ROW in TMDL Watershed	0.28%
TMDL Pollutant	Sediment

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Sediment	100 tons/year

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	26	Biofiltration Strip	1	Unknown
2	27	Biofiltration Strip	30	Unknown
		Biofiltration Swale	6	Unknown
Source Controls and Additional Measures[5]				
Caltrans Stream Crossing Desktop Survey	Caltrans conducted a survey to conserve native species and enhance the aesthetic and recreational values of waterbodies and their tributaries. There are an estimated 18 stream crossings in the Napa River Watershed and Caltrans roadways that cross waterbodies including State Routes 12, 37, 116, and 121. The survey consisted of reviewing historical records of aerial imagery, street views, the Caltrans Stormwater Portal, 2015 Coastal Anadromous Fish Passage Assessment and Remediation Progress Report, and the State Highway Operation and Protection Program (SHOPP) lists. The crossings were also assessed based on visual observations such as the type of flow, size of the watershed, surrounding land use, channel side slopes, existing vegetation, channel bottom and structural integrity. After the survey, the crossings were ranked as high, medium and low priority for repair. Projects to replace/repair high priority crossings are being scheduled, and field assessments will be performed.			

BMP Effectiveness[6]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Strip	75%
Biofiltration Swale	48%

Progress Towards Achieving WLAs and Performance Standards[2,5,7,8]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the Sonoma Creek Watershed. The Regional Water Board determined that compliance with the stormwater permit will allow Caltrans to meet its waste allocation for sediment in the Sonoma Creek Watershed. As part of the stormwater permit requirements, Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Sonoma Creek Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Additionally, Caltrans implements structural BMPs, biofiltration strips and biofiltration swales, which are effective in removing sediment. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems should be inspected on an as-needed basis. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Sonoma Creek Sediment TMDL

Quantification of Pollutant Removal[6,8]	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available due to unknown BMP tributary drainage area.

Compliance Units Achieved[9]
0

Total Area Treated (acres)[10]
Not available due to unknown BMP tributary drainage area.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Sonoma Creek Watershed Sediment TMDL and Habitat Enhancement Plan*(2008); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Source: Caltrans *TMDL Status Review Report* Fiscal Year 2016-2017.

[6] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[7] Sources: Caltrans *TMDL Implementation Plan* (January 2015); and Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed.

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

South Fork Eel River Sediment and Temperature TMDL

Caltrans District	1
RWQCB Number	1
TMDL Watershed Area (acres)	441,197
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,168
Percent of Caltrans ROW in TMDL Watershed	0.26%
TMDL Pollutants	Temperature and Sediment

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Temperature	There is no waste load allocation for point sources for temperature.
Sediment	There are no point sources of sediment discharge to the watershed. The waste load allocation for Caltrans is zero.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	201	No BMPs Proposed		
2	187	No BMPs Proposed		
3	188	No BMPs Proposed		
4	193	No BMPs Proposed		
5	205	No BMPs Proposed		

BMP Effectiveness
No BMPs are proposed in this watershed.

Slopes Prone to Erosion[4]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	40.18	104.48	TBD
101	1.05	1.11	TBD
101	2.01	3.89	12/1/2019
101	13.24	30.68	TBD
101	16.18	17.18	TBD
101	21.80	21.90	11/1/2017
101	31.85	32.25	TBD
101	81.10	81.39	TBD
101	81.89	99.40	TBD
101	97.74	98.44	TBD
101	98.24	98.55	TBD
Caltrans will be scheduling stabilization of the remaining erosion prone areas to address TMDL requirements.			

Fish Passage Remediation[5]
As of December 2015, Caltrans has completed one fish passage remediation project in the South Fork Eel River watershed totaling approximately $650,000 and 3.69 compliance units.

South Fork Eel River Sediment and Temperature TMDL

Progress Towards Achieving WLAs and Performance Standards[2,4,6]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Temperature	Caltrans is expected to be in compliance with temperature waste load allocations by not altering the natural temperature. Caltrans preserves existing riparian biotic conditions immediately adjacent to, and provides effective shade near, receiving waters susceptible to temperature increases. Any alteration of riparian biotic conditions that may increase sedimentation or reduce effective shade requires that Caltrans obtain written authorization by the applicable RWQCB Executive Officer or designee prior to beginning work.
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the South Fork Eel River Watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the South Fork Eel River Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified 11 slopes in the South Fork Eel River Watershed that are prone to erosion. Caltrans scheduled stabilization of slopes on 11/1/2017 and 12/1/2019, and will schedule the stabilization of all other identified areas. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Eight SHOPP projects (PID, PAED, and/or PS&E) are planned in the South Fork Eel River Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[7]
3.7

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *South Fork Eel River TMDL for Sediment and Temperature Staff Report* (1999); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[5] Source: Caltrans *Fish Passage Report* to the Legislature (2015).

[6] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[7] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

South Fork Trinity River and Hayfork Creek Sediment TMDL

Caltrans District	2
RWQCB Number	1
TMDL Watershed Area (acres)	596,603
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	413
Percent of Caltrans ROW in TMDL Watershed	0.07%
TMDL Pollutant	Sediment

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Sediment	The U.S. EPA states that there are no point source discharges of sediment in the South Fork Trinity River and Hayford Creek Watershed. The sediment waste load allocation for Caltrans is zero.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area in Caltrans ROW (acres)[4]
1	353	No BMPs Proposed		
2	211	No BMPs Proposed		
3	380	No BMPs Proposed		
4	198	Detention Basin	1	Unknown
5	218	Biofiltration Swale	1	Unknown
		Detention Basin	1	Unknown
		Traction Sand Trap	1	Unknown
6	225	No BMPs Proposed		

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Swale	48%
Detention Basin	68%
Traction Sand Trap	60%

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
36	15.53	16.28	TBD
36	16.09	16.33	TBD
36	21.40	21.60	TBD
36	22.07	22.57	TBD
36	31.75	31.95	TBD
36	39.39	39.50	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

South Fork Trinity River and Hayfork Creek Sediment TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is in compliance with the waste load allocation for sediment in the South Fork Trinity and Hayfork Creek Watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the South Fork Trinity and Hayfork Creek Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Additionally, Caltrans implements structural BMPs, such as biofiltration swales, detention basins, and traction sand traps, which are effective in removing sediment. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified six slopes in the South Fork Trinity River and Hayfork Creek Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Two SHOPP projects (PID, PAED, and/or PS&E) are planned in South Fork Trinity and Hayfork Creek Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available due to unknown BMP tributary drainage area.

Compliance Units Achieved[9]
0

Total Area Treated (acres)[10]
Not available due to unknown BMP tributary drainage area.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *South Fork Trinity River and Hayfork Creek Sediment TMDL Staff Report* (1998); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values; and *Highway 267 Filter Fabric Sand Trap Pilot Study* (February 2006).

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Sources: Caltrans *TMDL Implementation Plan* (2015); and the State Water Resources Control Board's *Annual Performance Reports* Fiscal Year 2014-2015, Fiscal Year 2015-2016.

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed.

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Ten Mile River Sediment TMDL

Caltrans District	1
RWQCB Number	1
TMDL Watershed Area (acres)	76,632
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	7
Percent of Caltrans ROW in TMDL Watershed	0.01%
TMDL Pollutant	Sediment

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Sediment	There are no point sources of sediment in the Ten Mile River Watershed. The sediment waste load allocation for Caltrans is zero.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Ranking (by Pollutant Category)	Number of BMPs	BMP Tributary Drainage Area in Caltrans ROW (acres)
1	32	No BMPs Proposed		
2	357	No BMPs Proposed		
3	360	No BMPs Proposed		
4	363	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Slopes Prone to Erosion[4]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
1	40.18	104.48	TBD
1	49.94	84.81	TBD
1	50.68	90.01	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,4,5]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the Ten Mile River Watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Ten Mile River Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified three slopes in the Ten Mile River Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Three SHOPP projects (PID, PAED, and/or PS&E) are planned in Ten Mile River Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Ten Mile River Sediment TMDL

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[6]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Ten Mile River TMDL for Sediment Staff Report*; and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[5] Source: Caltrans *TMDL Implementation Plan* (2015).

[6] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Trinity River Sediment TMDL

Caltrans District	2
RWQCB Number	1
TMDL Watershed Area (acres)	1,312,172
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	1,434
Percent of Caltrans ROW in TMDL Watershed	0.11%
TMDL Pollutant	Sediment

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Sediment	U.S. EPA issued joint load allocations and waste load allocations, so source-specific waste load allocations were not developed for Caltrans for sediment in the Trinity River watershed.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	229	Biofiltration Strip	3	0.67
		Biofiltration Swale	2	9.2
2	196	Biofiltration Swale	1	12
		Traction Sand Trap	3	Unknown
3	191	No BMPs Proposed		
4	226	Other	16	65
		Traction Sand Trap	1	Unknown
5	190	Biofiltration Swale	1	Unknown
		Traction Sand Trap	19	Unknown
6	317	Traction Sand Trap	2	Unknown

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Strip	75%
Biofiltration Swale	48%
Traction Sand Trap	60%

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
96	3.50	17.45	TBD
96	4.00	4.50	TBD
96	7.80	8.00	TBD
96	16.15	17.76	TBD
96	18.62	19.12	TBD
299	31.40	32.40	TBD
299	34.50	34.90	TBD
299	36.35	36.40	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Fish Passage Remediation[7]
As of December 2015, Caltrans has completed one fish passage remediation project in the Mad River watershed totaling approximately $1,600,000 and 4.54 compliance units.

Trinity River Sediment TMDL

Progress Towards Achieving WLAs and Performance Standards[2,6,8]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the Trinity River Watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Trinity River Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Additionally, Caltrans implements structural BMPs, such as biofiltration strips, biofiltration swales, and traction sand traps, which are effective in removing sediment. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified eight slopes in the Trinity River Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Thirteen SHOPP projects (PID, PAED, and/or PS&E) are planned in the Trinity River Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,9]	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	1.4

Compliance Units Achieved[10]
24

Total Area Treated (acres)[11]
86

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Trinity River TMDL for Sediment Staff Report* (2001); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values; and *Highway 267 Filter Fabric Sand Trap Pilot Study* (February 2006).

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Source: Caltrans *Fish Passage Report* to the Legislature (2015).

[8] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[9] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed.

[10] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[11] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Truckee River Sediment TMDL

Caltrans District	3
RWQCB Number	6
TMDL Watershed Area (acres)	260,336
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	704
Percent of Caltrans ROW in TMDL Watershed	0.27%
TMDL Pollutant	Sediment

Waste Load Allocations (WLAs)[2]	
Pollutant	Watershed WLA
Sediment	4,936 tons/year
	Caltrans WLA
	There is no specific waste load allocation assigned to Caltrans.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	236	Biofiltration Swale	9	Unknown
		Detention Basin	120	Unknown
		Infiltration Basin	3	Unknown
		Other	73	Unknown
		Traction Sand Trap	824	Unknown
2	233	No BMPs Proposed		
3	232	Austin Sand Filter	1	Unknown
		Infiltration Trench	3	Unknown
		Other	3	Unknown
		Traction Sand Trap	60	Unknown

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Austin Sand Filter	93%
Biofiltration Swale	48%
Detention Basin	68%
Infiltration Basin	100%
Infiltration Trench	100%
Traction Sand Trap	60%

Truckee River Sediment TMDL

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
28	0.00	11.00	TBD
80	0.00	5.70	TBD
80	5.70	31.70	TBD
80	8.00	69.70	TBD
80	0.00	1.59	TBD
89	0.00	27.40	TBD
89	0.00	8.70	TBD
89	0.00	8.50	TBD
89	8.50	21.60	TBD
89	0.00	6.00	TBD
89	6.00	29.50	TBD
267	6.60	9.80	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Although there is no specific waste load allocation, Caltrans is expected to be in compliance with sediment in the Truckee River Watershed. The Caltrans stormwater permit states that Caltrans is achieving compliance with this TMDL because compliance with the Caltrans stormwater permit is deemed to be evidence of compliance with its responsibility to help achieve desired watershed conditions. The permit also states that TMDL attainment is evaluated by the conditions in the watershed and not the sediment mass reduction since there is natural variability of sediment delivery and uncertainties associated with measuring sediment loads in the watershed. As part of the stormwater permit, Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Truckee River Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Additionally, Caltrans implements structural BMPs, such as austin sand filters, biofiltration swales, detention basins, infiltration basins, infiltration trenches, and traction sand traps, which are effective in removing sediment. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified 12 slopes in the Truckee River Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. According to the State Water Resources Control Board's Annual Performance Report, the total suspended sediment values indicate improvement in sediment load in the Truckee River Watershed. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Nine SHOPP projects (PID, PAED, and/or PS&E) are planned in the Truckee River Watershed that include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available due to unknown BMP tributary drainage area.

Compliance Units Achieved[9]
0

Truckee River Sediment TMDL

Total Area Treated (acres)[10]
Not available due to unknown BMP tributary drainage area.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Sediment Middle Truckee River Watershed Placer, Nevada, and Sierra Counties Staff Report* (2008); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values; and *Highway 267 Filter Fabric Sand Trap Pilot Study* (February 2006).

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Sources: Caltrans *TMDL Implementation Plan* (January 2015); State Water Resources Control Board's *Annual Performance Reports* Fiscal Year 2014-2015, and Fiscal Year 2015-2016.

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed.

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Upper and Lower Newport Bay Organochlorine Compounds (DDT, Chlordane, and PCBs) TMDL

Caltrans District	12
RWQCB Number	8
TMDL Watershed Area (acres)	20,864
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	295
Percent of Caltrans ROW in TMDL Watershed	1.4%
TMDL Pollutants	DDT, Chlordane, and PCBs

Waste Load Allocations (WLAs)[2]				
Pollutant	Caltrans WLA			
	Upper Newport Bay		Lower Newport Bay	
	WLAs Expressed as a Daily Value	WLAs Expressed as an Annual Value	WLAs Expressed as a Daily Value	WLAs Expressed as an Annual Value
Total DDT	0.04 g/day	15.8 g/year	0.02 g/day	5.8 g/year
Chlordane	0.06 g/day	9.2 g/year	0.01 g/day	3.4 g/year
Total PCBs	0.06 g/day	9.1 g/year	0.07 g/day	23.9 g/year

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	245	No BMPs Proposed		
2	250	No BMPs Proposed		
3	242	Biofiltration Swale	1	1.6

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Biofiltration Swale	48%

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Total DDTs and Chlordane	Caltrans is expected to be in compliance with total DDTs and chlordane waste load allocations in the Upper and Lower Newport Bay watershed since DDTs and chlordane are no longer in production and their usage has been regulated. Additionally, Caltrans does not use DDTs or chlordane within its ROW. Although Caltrans does not use pesticides within its ROW, Caltrans complies with Provision E.2.h.3)b) of the Permit, which specifies practices for the safe handling and use of pesticides, including compliance with federal, state and local regulations, and label directions. Caltrans is also required to perform site assessments, applicator training, and implementation of integrated pest and vegetation management practices when using pesticides in order to prevent pesticide discharge in storm water runoff in the Upper and Lower Newport Bay watershed. A major source of pesticide impairments in the Upper and Lower Newport Bay watersheds is due to historical loading from the pollutants adhering to sediment. As an additional mitigation measure, Caltrans reduces the sediment transport of DDT and chlordane by controlling the discharge of sediment. Caltrans implements control measures to prevent or minimize sediment in the Upper and Lower Newport Bay watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.
Total PCBs	Since PCBs are no longer in production and their usage has been regulated, PCB concentrations are expected to reduce over time in the Upper and Lower Newport Bay watershed. Additionally, Caltrans does not use PCBs within its ROW. Therefore, Caltrans is expected to be in compliance with PCBs waste load allocations in the Upper and Lower Newport Bay watershed. Toxic pollutants have a high affinity for adherence to fine sediment. A major source of toxic impairments is due to historical loading from the pollutants adhering to sediment. Therefore the appropriate control measures for toxics are to control erosion and prevent or minimize the discharge of fine sediment. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Upper and Lower Newport Bay watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns.

Upper and Lower Newport Bay Organochlorine Compounds (DDT, Chlordane, and PCBs) TMDL

Additional Measures to Achieve WLAs for All Pollutants	Caltrans implements and maintains structural BMPs to mitigate sediment in the Upper and Lower Newport Bay watershed. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Areas with recurring problems are inspected on an as-needed basis. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Additionally, Caltrans is partnering with the Orange County Flood Control District (OCFCD), County of Orange, City of Irvine, City of Tustin, and Irvine Ranch Water District (IRWD) in the Peters Canyon Wash Channel Water Capture and Reuse Pipeline Project as a permanent long-term solution to address high nitrate and selenium concentrations in the groundwater that is pumped from under State Route 261. While the project is for nitrate and selenium, Upper and Lower Newport Bay TMDL pollutants (DDT, Chlordane, and PCBs) will also be controlled. Moreover, implementation activities have been planned in the Upper and Lower Newport Bay watersheds in order to address these legacy loads. These implementation tasks include source control activities to reduce any active sources of organochlorine pesticides and PCBs in the Upper and Lower Newport Bay watersheds, special studies to evaluate sediment transport, and monitoring natural recovery of contaminated sediments. For additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Thirty SHOPP projects (PID, PAED, and/or PS&E) are planned in the Upper and Lower Newport Bay watersheds that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (kg/year)
Total Suspended Solids (TSS)	44

Compliance Units Achieved[9]
0

Total Area Treated (acres)[10]
2.0

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *TMDL for Organochlorine Compounds San Diego Creek: Total DDT and Toxaphene; Upper and Lower Newport Bay: Total DDT, Chlordane, Total PCBs Staff Report* (2006); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *District Work Plans* Fiscal Year Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Source: Caltrans *TMDL Implementation Plan* (2015); and Caltrans *Annual Report* Fiscal Year 2015-2016.

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Upper Main Eel River and Tributaries (including Tomki Creek, Outlet Creek and Lake Pillsbury) Temperature and Sediment TMDL

Caltrans District	1
RWQCB Number	1
TMDL Watershed Area (acres)	453,689
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	429
Percent of Caltrans ROW in TMDL Watershed	0.09%
TMDL Pollutants	Temperature and Sediment

Waste Load Allocations (WLAs)[2]		
Pollutant	Watershed Load Allocations	
Sediment	Natural Sediment Sources	(tons/mi^2/year)
	Large features (> 3,000 cubic yards)	190
	Small features (< 3,000 cubic yards)	120
	Total Natural Sources	310
	Human (Land Management) Related Sources	(tons/mi^2/year)
	Large features (> 3,000 cubic yards)	36
	Road related (small feature)	14
	Timber harvest (small feature)	20
	Agriculture/Grazing (small feature)	8
	Total Human Related	78
	Caltrans WLA	
	Since the discharge from Caltrans facilities cannot be readily determined, and since possible loading from point sources is not distinguished from general management-related loading in the source analysis, EPA considers the rates set at load allocations (above) to also represent waste load allocations. There is no specific Caltrans waste load allocation for sediment.	
Temperature	Caltrans WLA	
	There are no point sources and no waste load allocations for temperature in this watershed.	

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)
1	209	No BMPs Proposed		
2	192	No BMPs Proposed		
3	199	No BMPs Proposed		
4	339	No BMPs Proposed		
5	361	No BMPs Proposed		
6	369	No BMPs Proposed		
7	370	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Upper Main Eel River and Tributaries (including Tomki Creek, Outlet Creek and Lake Pillsbury) Temperature and Sediment TMDL

Slopes Prone to Erosion[4]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
20	25.51	30.75	TBD
162	9.00	11.40	TBD
162	13.90	19.50	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,4,5]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Temperature	Although there is no waste load allocation for temperature, Caltrans is expected to be in compliance with temperature by not altering the natural temperature. Caltrans preserves existing riparian biotic conditions immediately adjacent to, and provides effective shade near, receiving waters susceptible to temperature increases. Any alteration of riparian biotic conditions that may increase sedimentation or reduce effective shade requires that Caltrans obtain written authorization by the applicable RWQCB Executive Officer or designee prior to beginning work.
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the Upper Main Eel River Watershed, and implements control measures to prevent or minimize erosion and sediment discharge in the Upper Main Eel River Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures will be developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified three slopes in the Upper Main Eel River Watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Seventeen SHOPP projects (PID, PAED, and/or PS&E) are planned in the Upper Main Eel River Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[6]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Upper Main Eel River and Tributaries (including Tomki Creek, Outlet Creek and Lake Pillsbury) TMDL for Temperature and Sediment Staff Report* (2004); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); State Water Resources Control Board's *Annual Performance Report* Fiscal Year 2015-2016.

[6] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Upper Santa Clara River Chloride TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	264,851
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	581
Percent of Caltrans ROW in TMDL Watershed	0.22%
TMDL Pollutant	Chloride

Waste Load Allocations (WLAs)[2]	
Pollutant	WLA
Chloride	100 mg/L (3-month averaging period)
	Note: The above waste load allocation is a combined allocation for NPDES discharges and non-point sources.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	315	Austin Sand Filter	1	10
		Biofiltration Swale	25	44
		Detention Basin	3	27
		Infiltration Trench	1	1.7
2	314	Biofiltration Strip	5	3.9
		Biofiltration Swale	40	81
		Delaware Sand Filter	3	5.2
		DPP (Design Pollution Prevention)	1	17
		DPPIA (Design Pollution Prevention Infiltration Area)	4	5.3
		Infiltration Basin	2	5.2
		Infiltration Trench	9	17
		Gross Solids Removal Device	10	11

BMP Effectiveness
Not available due to unknown event mean concentration for chloride.

Progress Towards Achieving WLAs and Performance Standards[2,5]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Chloride	Caltrans is in compliance with the chloride waste load allocation in the Santa Clara River watershed. Chloride in the Santa Clara River watershed is primarily due to increased salt loadings from imported water, the use of self-regenerating water softeners, and the use of de-icers on roadways, which Caltrans does not implement within its right-of-way. Therefore, Caltrans is not required to implement additional measures to address chloride and is in compliance with waste load allocations for chloride without any additional control actions as long as they are in compliance with the Permit. As an additional pollutant control measure, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Twenty-six SHOPP projects (PID, PAED, and/or PS&E) are planned in the Upper Santa Clara River Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Upper Santa Clara River Chloride TMDL

Quantification of Pollutant Removal
Not available due to unknown event mean concentration highway runoff data for chloride.

Compliance Units Achieved[6]
0

Total Area Treated (acres)[7]
212

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Upper Santa Clara River Amendments to the WQCP for the Los Angeles Region Staff Report* (2014), *Attachment B to Resolution No. R4-2014-010 Revision of the TMDL for Chloride in the Upper Santa Clara River Basin Plan Amendment* (2014), and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acres within Caltrans ROW the BMPs are treating. If a BMP is present and the tributary acreage not known, the area is not included in the value.

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); and Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[6] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[7] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

Van Duzen River and Yager Creek Sediment TMDL

Caltrans District	1
RWQCB Number	1
TMDL Watershed Area (acres)	274,130
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	379
Percent of Caltrans ROW in TMDL Watershed	0.14%
TMDL Pollutant	Sediment

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Sediment	There are no point sources of pollution in the Van Duzen River and Yager Creek Watershed. The sediment waste load allocation for Caltrans is zero.

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area in Caltrans ROW (acres)
1	204	No BMPs Proposed		
2	202	No BMPs Proposed		
3	212	No BMPs Proposed		
4	224	No BMPs Proposed		
5	381	No BMPs Proposed		
6	324	No BMPs Proposed		
7	382	No BMPs Proposed		

BMP Effectiveness
No BMPs Proposed

Slopes Prone to Erosion[4]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
36	1.66	2.12	TBD
36	15.53	16.28	TBD
36	16.09	16.33	TBD
36	21.40	21.60	7/1/2023
36	22.07	22.57	TBD
36	31.75	31.95	1/1/2019
36	39.39	39.64	TBD
36	39.39	39.50	1/1/2019
36	44.40	44.50	TBD
Caltrans will be scheduling stabilization of the remaining erosion prone areas to address TMDL requirements.			

Van Duzen River and Yager Creek Sediment TMDL

Progress Towards Achieving WLAs and Performance Standards[2,4,5]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Sediment	Caltrans is expected to be in compliance with the sediment waste load allocation in the Van Duzen River and Yager Creek Watershed. Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Van Duzen River and Yager Creek Watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified nine slopes in the Van Duzen River and Yager Creek Watershed which are prone to erosion and stabilization of the identified slopes have been scheduled for 1/1/2019 and 7/1/2023. All other slopes will be scheduled for stabilization. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. For an additional pollutant control, Caltrans uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Seven SHOPP projects (PID, PAED, and/or PS&E) are planned in the Van Duzen and Yager Creek Watershed that include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal	
Pollutant	Quantity Removed (tons/year)
Total Suspended Solids (TSS)	Not available since there are no BMPs proposed in this watershed.

Compliance Units Achieved[6]
0

Total Area Treated (acres)
Not available since there are no BMPs proposed in this watershed.

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Van Duzen River and Yager Creek TMDL for Sediment* (1999); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[5] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[6] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

Ventura River and its Tributaries Algae, Eutrophic Conditions, and Nutrients TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	144,672
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	431
Percent of Caltrans ROW in TMDL Watershed	0.30%
TMDL Pollutants	Algae, Eutrophic Conditions, and Nutrients

Waste Load Allocations (WLAs)[2]		
Pollutant	Caltrans Dry-Weather WLA (lbs/day)	
Total Phosphorus	0.11	
Total Nitrogen	1.1	
Pollutant	Caltrans Wet-Weather WLA	
	Reach	Nitrate-N + Nitrite-N (mg/L)
Nitrogen	Estuary	7.4
	Reach 1	7.4
	Cañada Larga	10.0
	Reach 2	10.0
	Reach 3	5.0
	San Antonio Creek	5.0
	Reach 4	5.0
	Reach 5	5.0
	Note: Dry-weather conditions are designated as the critical condition.	

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	5	Austin Sand Filter	4	11
		Biofiltration Swale	10	18
		Detention Basin	9	Unknown
		Gross Solids Removal Device	41	57
		Infiltration Basin	3	4.7
		Other	2	Unknown

BMP Effectiveness[5]	
Treatment BMP Type	Total Suspended Solids (TSS) Removal Efficiency
Austin Sand Filter	93%
Biofilration Swale	48%
Detention Basin	68%
Infiltration Basin	100%

Ventura River and its Tributaries Algae, Eutrophic Conditions, and Nutrients TMDL

Slopes Prone to Erosion[6]			
Route	Post Mile Start	Post Mile End	Scheduled Stabilization
33	14.19	14.50	TBD
33	18.23	19.46	TBD
33	24.15	27.67	TBD
150	7.00	9.60	TBD
Caltrans will be scheduling stabilization of the above erosion prone areas to address TMDL requirements.			

Progress Towards Achieving WLAs and Performance Standards[2,6,7]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Algae, Eutrophic Conditions, and Nutrients	Caltrans is expected to be in compliance with algae, eutrophic conditions, and nutrient waste load allocations in the Ventura River watershed. Caltrans controls the discharge of algae, eutrophic conditions, and nutrients through the control of sediment. Caltrans implements and maintains structural BMPs to mitigate sediment in the Ventura River watershed. Additionally, Caltrans implements control measures to prevent or minimize erosion and sediment discharge in the Ventura River watershed by protecting hillsides, intercepting and filtering runoff, avoiding concentrated flows in natural channels and drains, and not modifying natural runoff flow patterns. Caltrans has also established a program to inspect roadside slopes for erosion on a five-year cycle. Road segments identified as prone to erosion and sediment discharge are prioritized for stabilization. For road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, slope stabilization activities will be prioritized for implementing appropriate controls to the maximum extent practicable based on available resources. Based on the review of the slopes, remedial measures are developed and can include minor grading, seeding, and installation of major slope stabilization systems. Caltrans identified four slopes in the Ventura River watershed which are prone to erosion, and stabilization of the identified slopes will be scheduled. Caltrans also implements source control measures for compliance with the Construction General Permit on active construction sites to prevent the discharge of sediment. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and support infrastructure through its continuous rehabilitation plan. Six SHOPP projects (PID, PAED, and/or PS&E) are planned in the Ventura River watershed that include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
As stated above in the implemented control measures, Caltrans anticipates that these activities will be sufficient to meet waste load allocations by 2034.	

Quantification of Pollutant Removal[5,8]	
Pollutant	Quantity Removed (lbs/day)
Total Suspended Solids (TSS)	136

Compliance Units Achieved[9]
0

Total Area Treated (acres)[10]
91

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Source: *Algae, Eutrophic Conditions, and Nutrients TMDL for Ventura River and its Tributaries Staff Report* (2012); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *BMP Retrofit Pilot Program Final Report* (January 2004); and Caltrans *Discharge Characterization Study Update Final Report* (January 30, 2009), Appendix E for regional median concentration values.

[6] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[7] Source: Caltrans *TMDL Implementation Plan* (January 2015).

[8] The quantity of load removed for the pollutant of concern is based on the known BMP effectiveness for the treatment BMPs within this watershed, and the BMP volume reduction is based on the following sources: International Stormwater Best Management Practices (BMP) Database (2011 and 2012); and USGS Statistics for Stochastic Modeling of Volume Reduction, Hydrograph Extension, and Water-Quality Treatment by Structural Stormwater Runoff Best Management Practices (2014).

[9] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[10] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Ventura River Estuary Trash TMDL

Caltrans District	7
RWQCB Number	4
TMDL Watershed Area (acres)	144,672
Caltrans Right-of-Way (ROW) Area in TMDL (acres)[1]	431
Percent of Caltrans ROW in TMDL Watershed	0.30%
TMDL Pollutant	Trash

Waste Load Allocations (WLAs)[2]	
Pollutant	Caltrans WLA
Trash	0 or 0% of baseline load (zero trash)

Best Management Practices (BMPs)[3]				
Reach Number	Ranking (by Pollutant Category)	Treatment BMP Type	Number of BMPs	BMP Tributary Drainage Area within Caltrans ROW (acres)[4]
1	4	Austin Sand Filter	4	11
		Biofiltration Swale	10	14
		Detention Basin	9	Unknown
		Gross Solids Removal Device	41	57
		Infiltration Basin	3	4.7
		Other	2	Unknown
Source Controls[5]				
Adopt-A-Highway Program	The Adopt-A-Highway Program provides an avenue for individuals, organizations, and businesses to help maintain sections of roadside for various activities, including litter removal within California's State Highway System. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 1,542 yd^3 of trash through the Adopt-A-Highway Program.			
California Conservation Corps and Caltrans Parolee Program[6]	The Division of Maintenance has partnership programs with the California Department of Corrections and Rehabilitation and the California Conservation Corps. Parolees and Corps employees provide contracted services to assist in the removal of trash and litter from the ROW. As of Fiscal Year 2015-2016, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection, and 5,807 yd^3 of trash through the Caltrans Parolee Program.			
District Crew Collection[6]	Caltrans crews conduct manual cleanup of trash and litter from the ROW. As mentioned above, Caltrans District 7 has removed a combined 9,468 yd^3 of trash through the California Conservation Corps and District Crew Collection in Fiscal Year 2015-2016.			
Public Education	Caltrans helps sponsor the California Statewide Litter Collection, Enforcement and Beautification Day event held in the spring on or around Earth Day each year. Caltrans staff volunteers to collect litter and raise public awareness of the issue. Caltrans participates in supporting the California "Keep America Beautiful" campaign with the Caltrans "Protect Every Drop" campaign. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 589 yd^3 of trash through Public Education.			
Roadway Sweeping	Caltrans conducts ongoing road sweeping activities with mechanized sweepers to collect and dispose of materials off the roadway surfaces. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 12,024 yd^3 of trash through Roadway Sweeping.			
Storm Drain Maintenance	Caltrans cleans the storm drainage system inlets and culverts of accumulated materials. These activities are conducted manually and by vactor trucks. Caltrans District 7 performs additional inspection and cleaning through its Enhanced Annual Storm Drain Inlet Inspection and Cleaning Program in metropolitan areas. As of Fiscal Year 2015-2016, Caltrans District 7 has removed 7,390 yd^3 of trash from Storm Drain Maintenance activities.			
Additional Measures[7]				
Municipal Coordination Plan	Caltrans coordinates with the County of Ventura Public Works Agency to ensure additional water quality monitoring through the implementation of the Municipal Coordination Plan. Caltrans participates in municipal coordination activities by attending meetings, taking part in special studies, and collaborating with local agencies. District staff attends meetings statewide with municipal stormwater permittees to coordinate the implementation of TMDLs, public education and outreach, regional planning, and other related activities.			

Ventura River Estuary Trash TMDL

BMP Effectiveness[8]	
Treatment BMP Type	Removal Efficiency
Austin Sand Filter	Certified Full Capture Device (100% Trash Removal Efficiency)
Biofiltration Swale	Partial Trash Removal
Detention Basin	Certified Full Capture Device (100% Trash Removal Efficiency)
Gross Solids Removal Device	Certified Full Capture Device (100% Trash Removal Efficiency)
Infiltration Basin	Certified Full Capture Device (100% Trash Removal Efficiency)

Progress Towards Achieving WLAs and Performance Standards[2,5,6,9,10]	
Will the control measures be sufficient to achieve WLAs by 2034?	
Trash	Although there have been significant improvements in the reduction of trash, measures are not sufficient for Caltrans to achieve waste load allocations in the Ventura River Estuary Watershed. Caltrans employs several types of trash removal devices in the Ventura River Estuary Watershed, including Austin sand filters, biofiltration swales, detention basins, gross solids removal devices, and infiltration basins. Caltrans also employs non-structural BMPs in the Ventura River Estuary Watershed to mitigate trash including sweeping, drain inlet cleaning, trash collection, storm drain stenciling, covered trash bins, public education, and public participation. Additionally, Caltrans has increased the frequency of the Adopt-A-Highway program to treat beyond the minimum permit requirements. Caltrans also collaborates with the California Public Education Campaign to further engage in public education. Moreover, programs such as the Caltrans Parolee Program, California Conservation Corps, District Crew Collection, and Storm Drain Maintenance activities help remove trash from the Caltrans ROW. On a municipal level, Caltrans partners with the County of Ventura Public Works Agency to ensure additional water quality monitoring through the Municipal Coordination Plan. Monitoring results show that a total of 22,800 pounds of trash were collected during the Minimum Frequency Assessment Collection and additional clean-up events. Caltrans also uses the State Highway Operation and Protection Program (SHOPP) to maintain and preserve the state highway system and supporting infrastructure through its continuous rehabilitation plan. Six SHOPP projects (PID, PAED, and/or PS&E) are planned in the Ventura River Estuary Watershed that will include treatment BMPs.
If not, what improved control measures are proposed to address the relevant pollutants?	
The implementation control measures identified above are sufficient for Caltrans to meet the waste load allocations by 2034.	

Acres Treated for Trash[11]
76

Compliance Units Achieved[12]
10

Total Area Treated (acres)[13]
91

Notes:

[1] ROW area includes impervious and pervious areas. The area was calculated using the Caltrans highway centerline data set (February 2015).

[2] Sources: *Trash TMDL for the Ventura River Estuary Staff Report* (2007); and Order 2012-0011-DWQ as amended by Order WQ 2014-0006-EXEC, Order WQ 2014-0077-DWQ, and Order WQ 2015-0036-EXEC.

[3] Source: All BMP data was exported from the Caltrans Portal as of July 31, 2017. Refer to Appendix B for a detailed BMP list for this TMDL.

[4] Tributary Drainage Area is the acreage within Caltrans ROW that the BMPs are treating. If a BMP is installed and its tributary acreage is not known, this area is not included in the value.

[5] Sources: Caltrans *TMDL Implementation Plan* (January 2015); Caltrans *Annual Report* Fiscal Year 2015-2016, Appendix E; and Caltrans *District 7 Litter Mana*

[6] The data value was reported as a combined volume of trash removed from the District Crew Collection and California Conservation Corps. Volumes for each source control could not be individually separated.

[7] Source: Caltrans *Stormwater Management Program Annual Report* Fiscal Year 2013-2014.

[8] Source: Certified as Full Capture Systems by the State Water Resources Control Board Executive Director Certification as listed on the Multi-Benefit Treatment System List.

[9] Sources: Caltrans *District Work Plans* Fiscal Year 2012-2013, Fiscal Year 2014-2015, Fiscal Year 2015-2016, Fiscal Year 2016-2017, and Fiscal Year 2017-2018.

[10] Source: Caltrans *Monitoring Results Report: Fiscal Year 2015-2016.*

[11] The acres represented includes Caltrans impervious and pervious area treated by certified full capture devices with 100% trash removal efficiency.

[12] Compliance Units were summed from the total number of compliance units claimed for Fiscal Year 2014-2015, Fiscal Year 2015-2016, and Fiscal Year 2016-2017.

[13] This area refers to the total area treated in the watershed (includes above and beyond the post-construction requirements of the Caltrans Conformed NPDES Permit) and is based on the known tributary drainage area for all treatment BMPs in the watershed. The value includes all areas inside and outside of the Caltrans ROW.

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Appendix B – TMDL Exhibits

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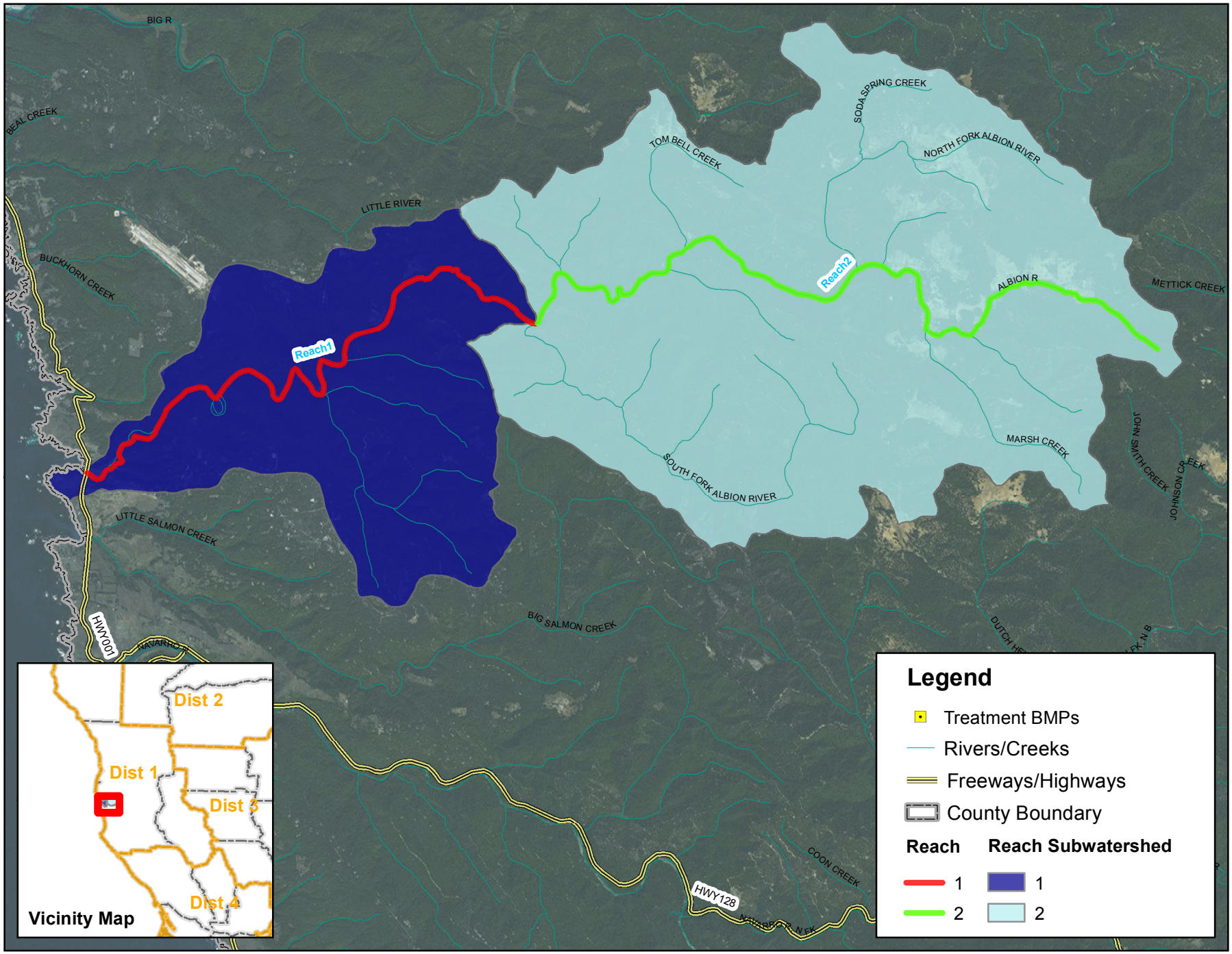


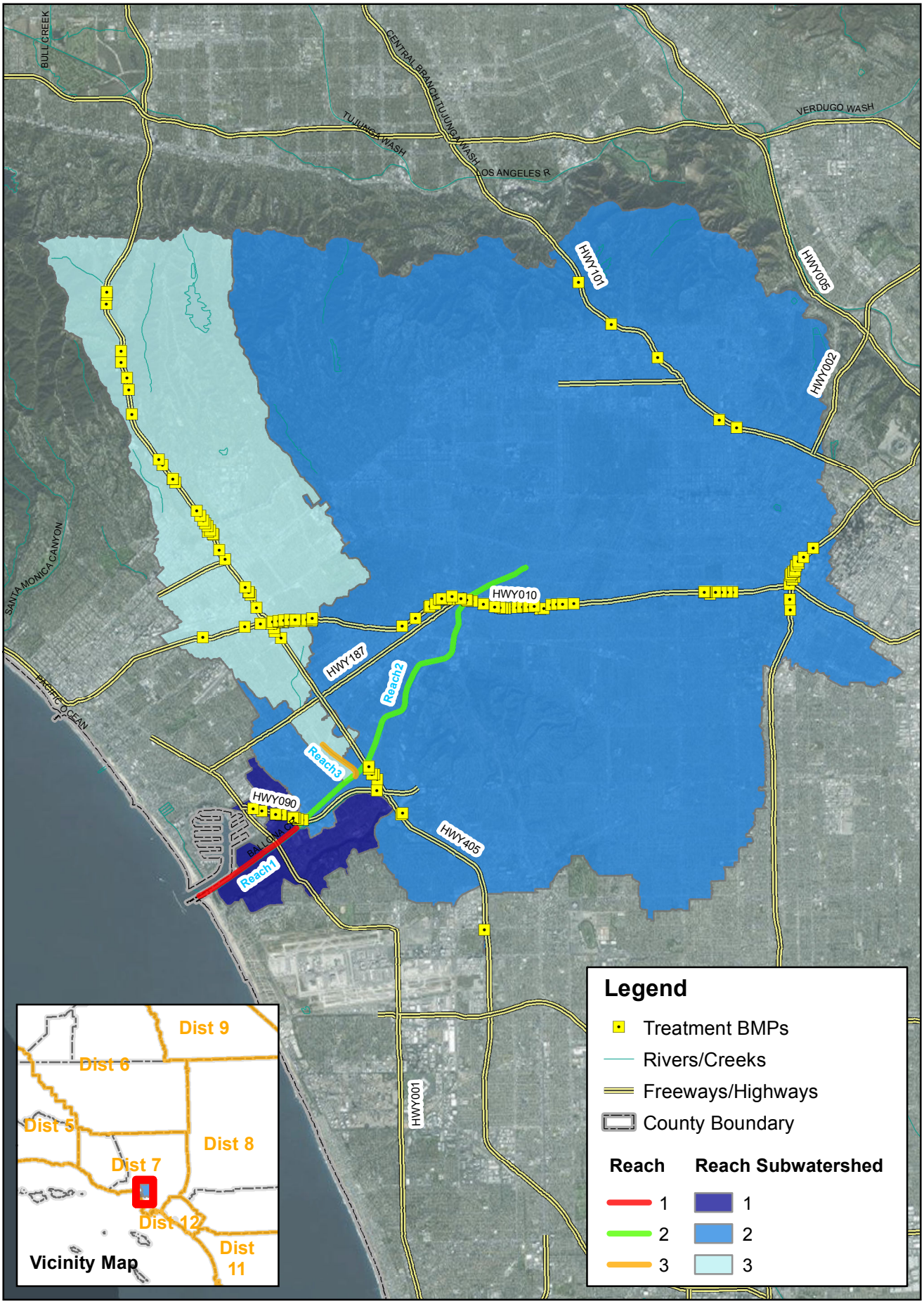
0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Albion River

Sediment TMDL



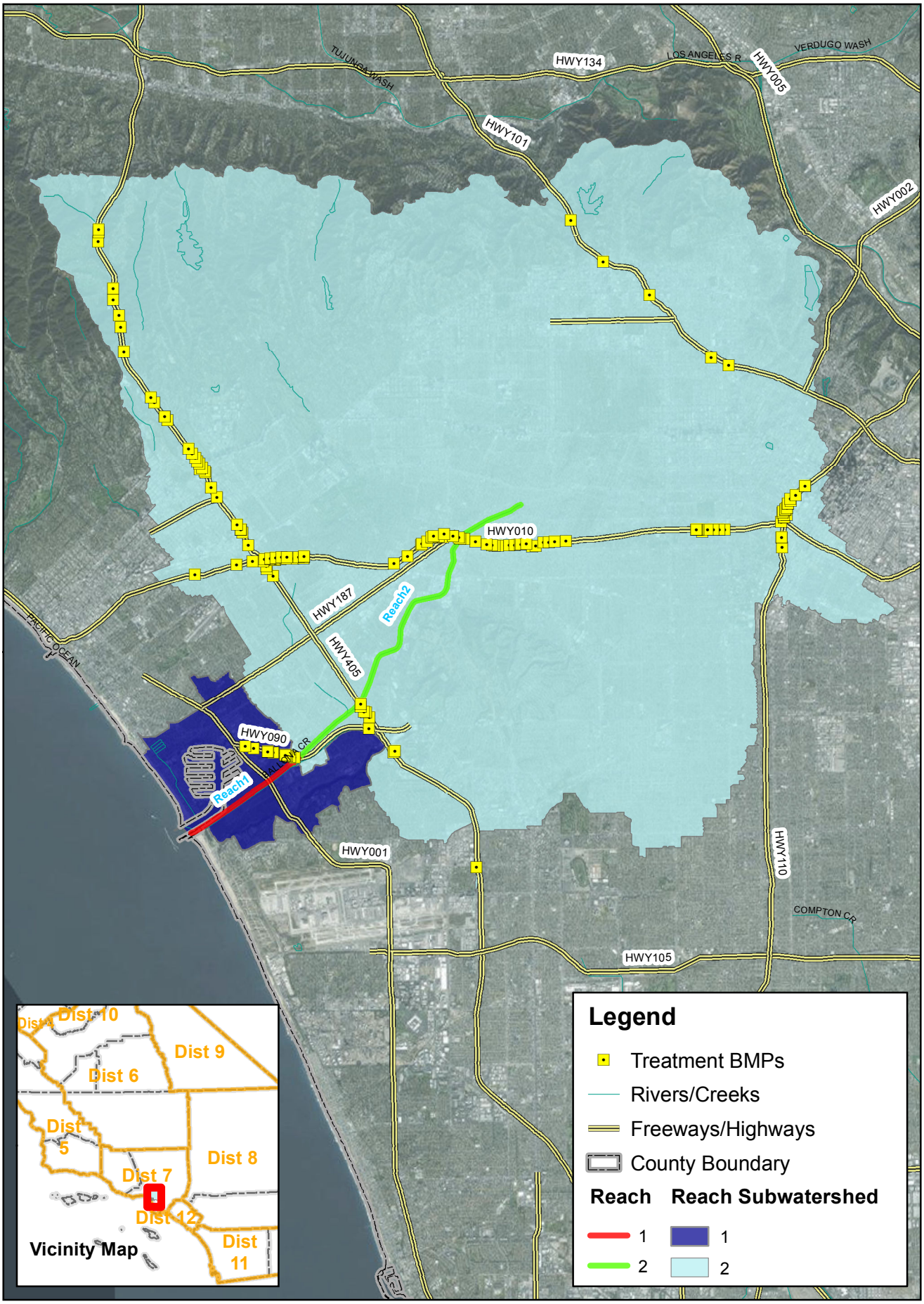
TMDL PROGRESS REPORT

0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Ballona Creek

Metals (Ag, Cd, Cu, Pb, Zn) and Selenium TMDL



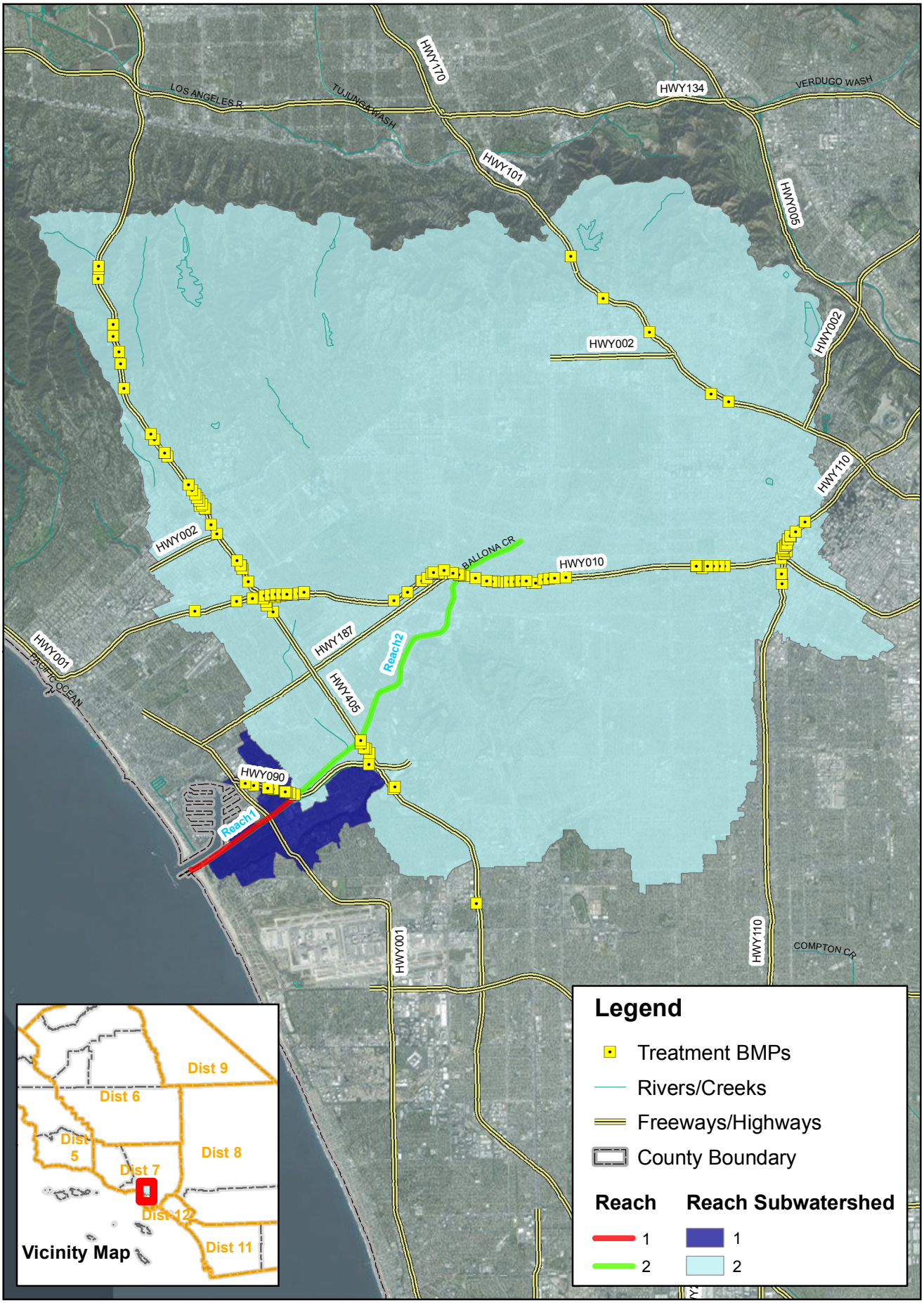
0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Ballona Creek

Trash TMDL



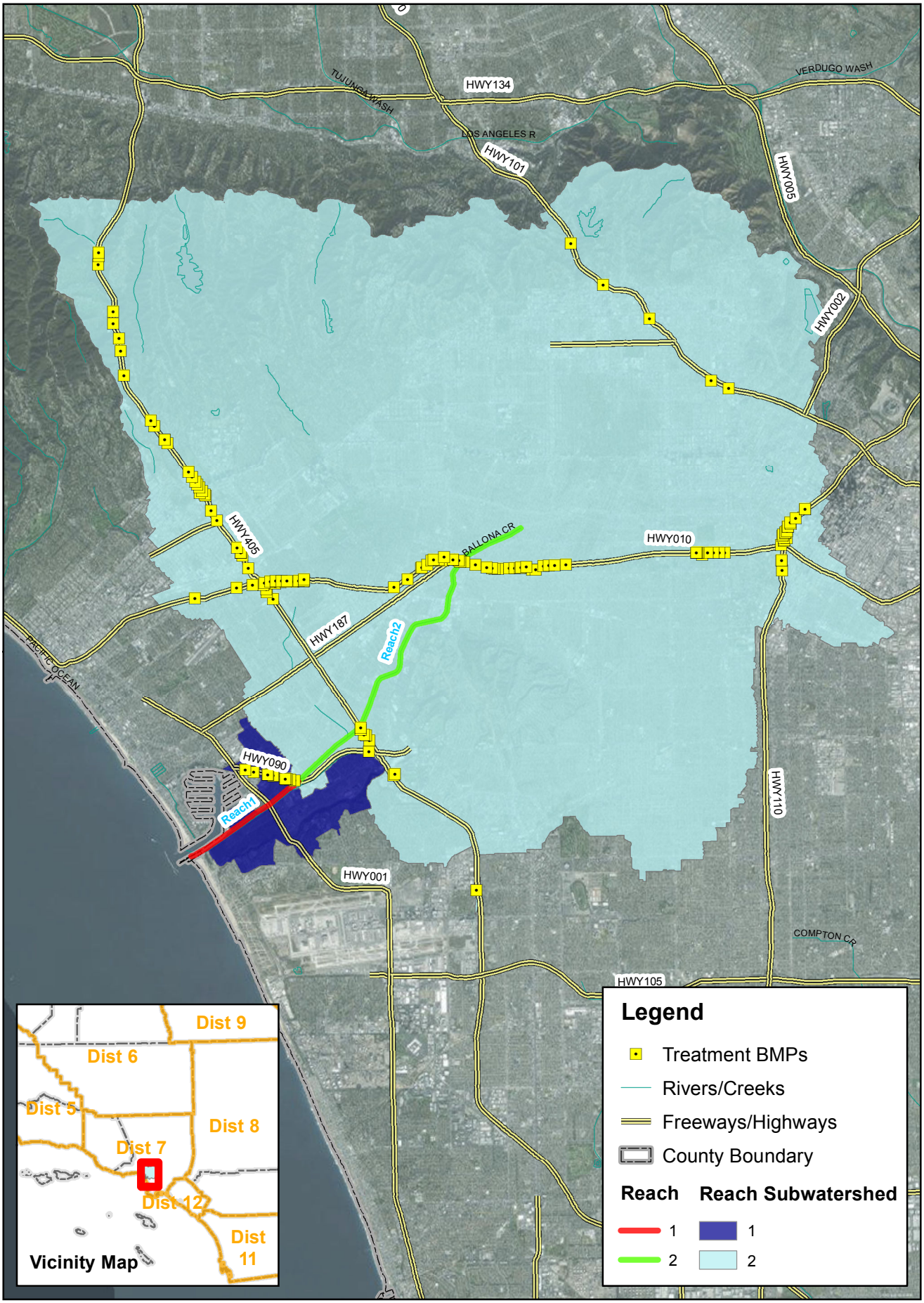
0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Ballona Creek Estuary

Toxic Pollutants Ag, Cd, Cu, Pb, Zn, Chlordane, DDTs, Total PCBs,and Total PAHs TMDL



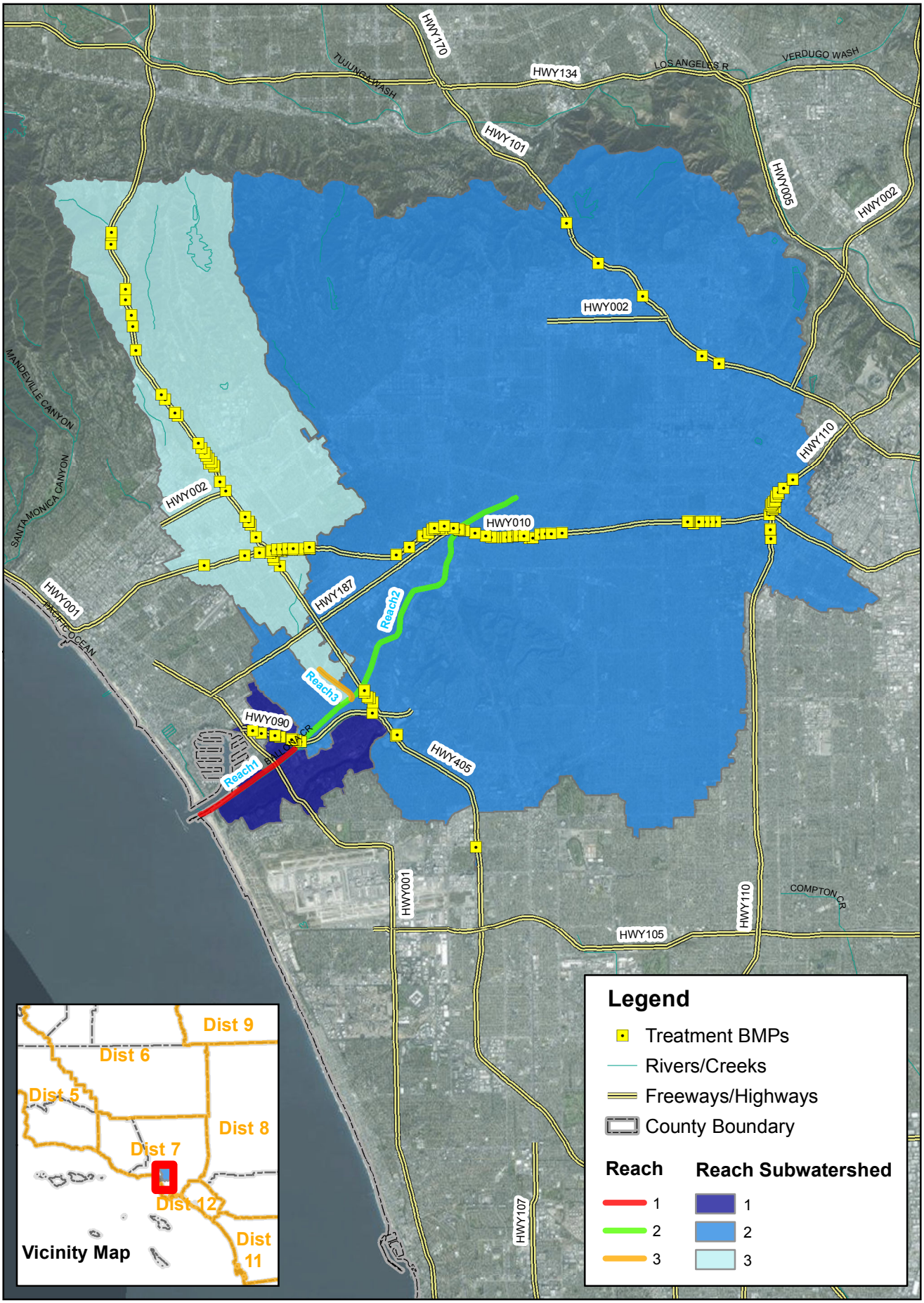
TMDL PROGRESS REPORT

0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Ballona Creek Wetland

Sediment and Invasive Exotic Vegetation TMDL



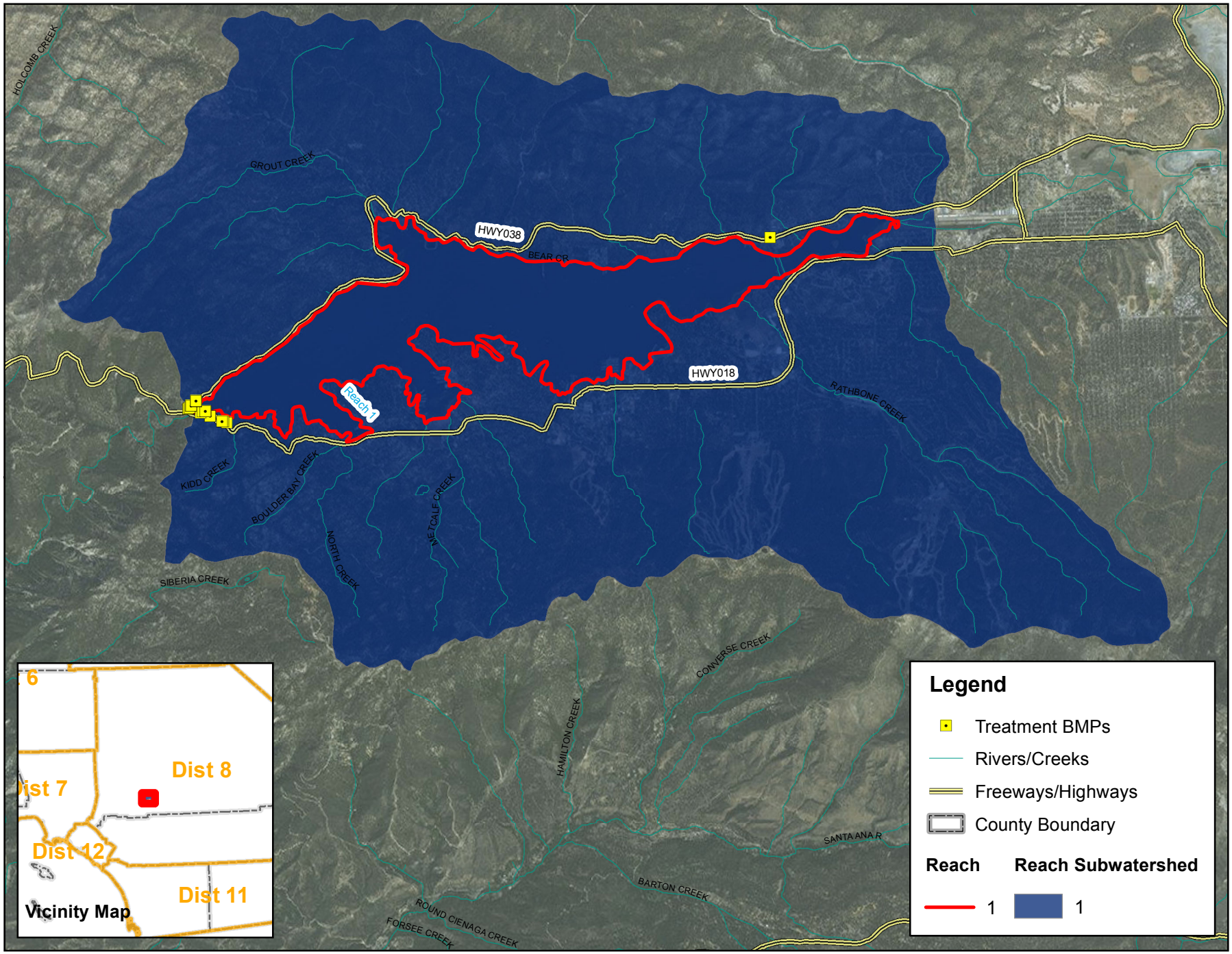
0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Ballona Creek, Ballona Estuary, and Sepulveda Channel

Bacteria TMDL



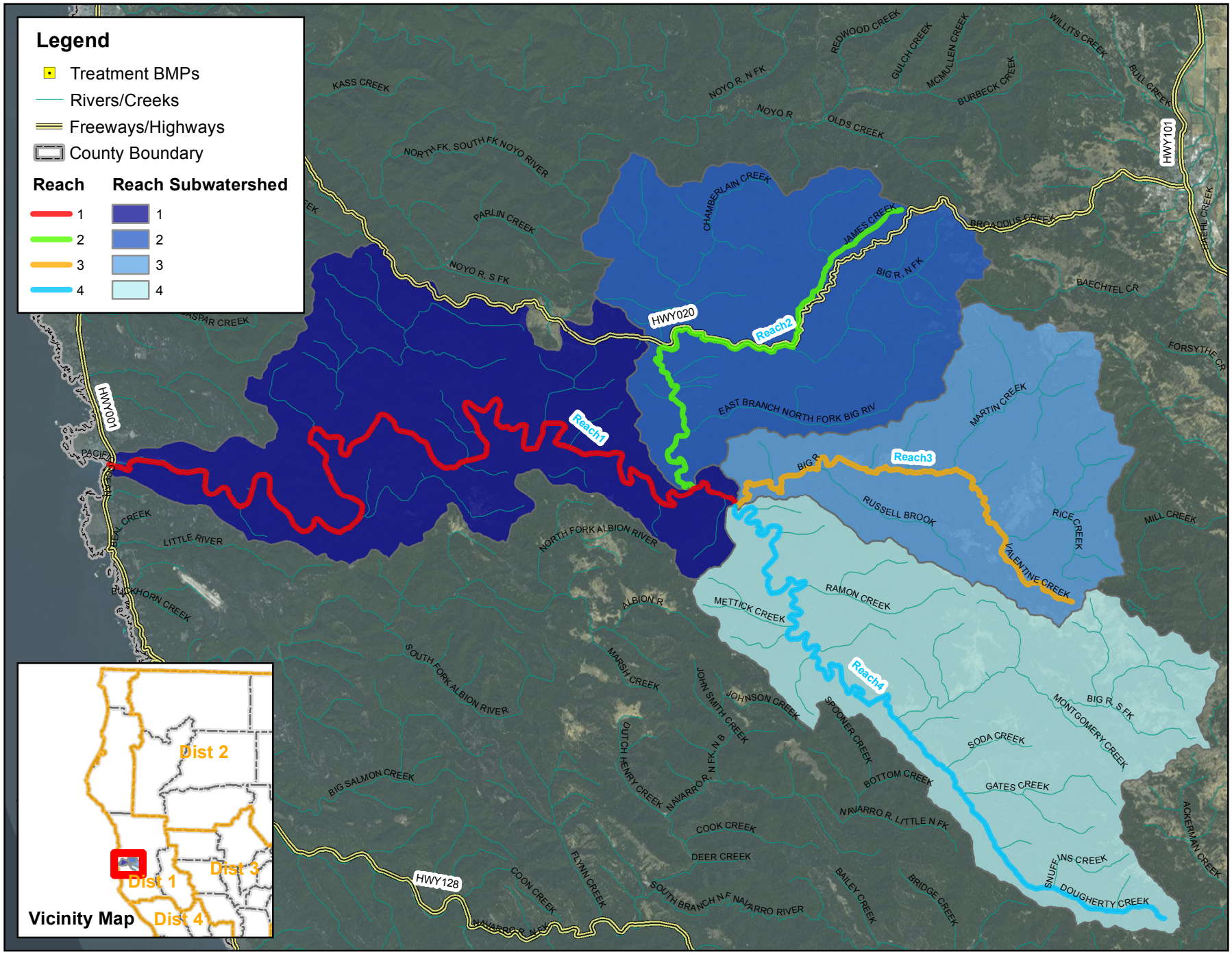
0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Big Bear Lake

Nutrients for Dry Hydrological Conditions TMDL



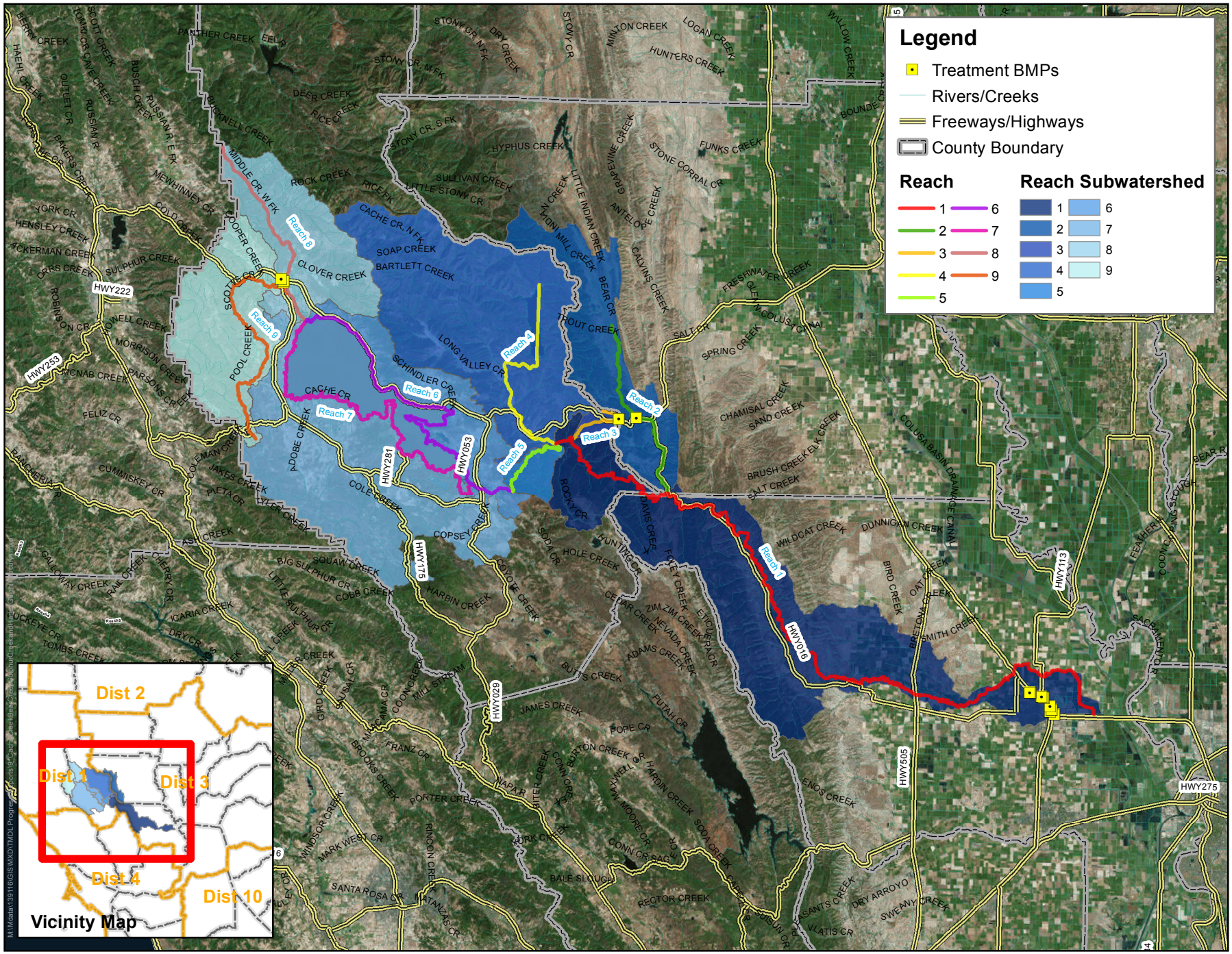
0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Big River

Sediment TMDL



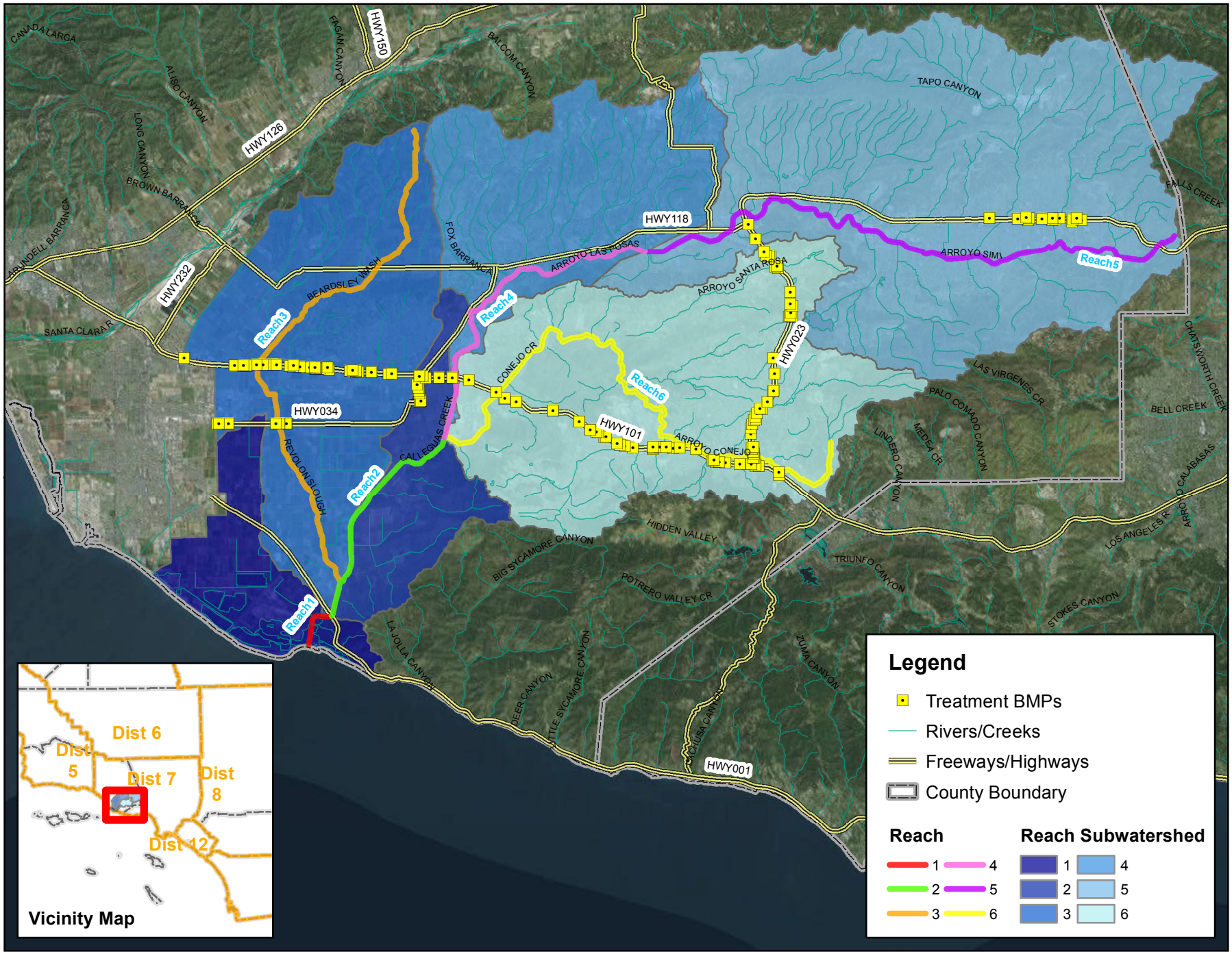
0 2.5 5 10 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Cache Creek, Bear Creek, Sulphur Creek, and Harley Gulch

Mercury TMDL



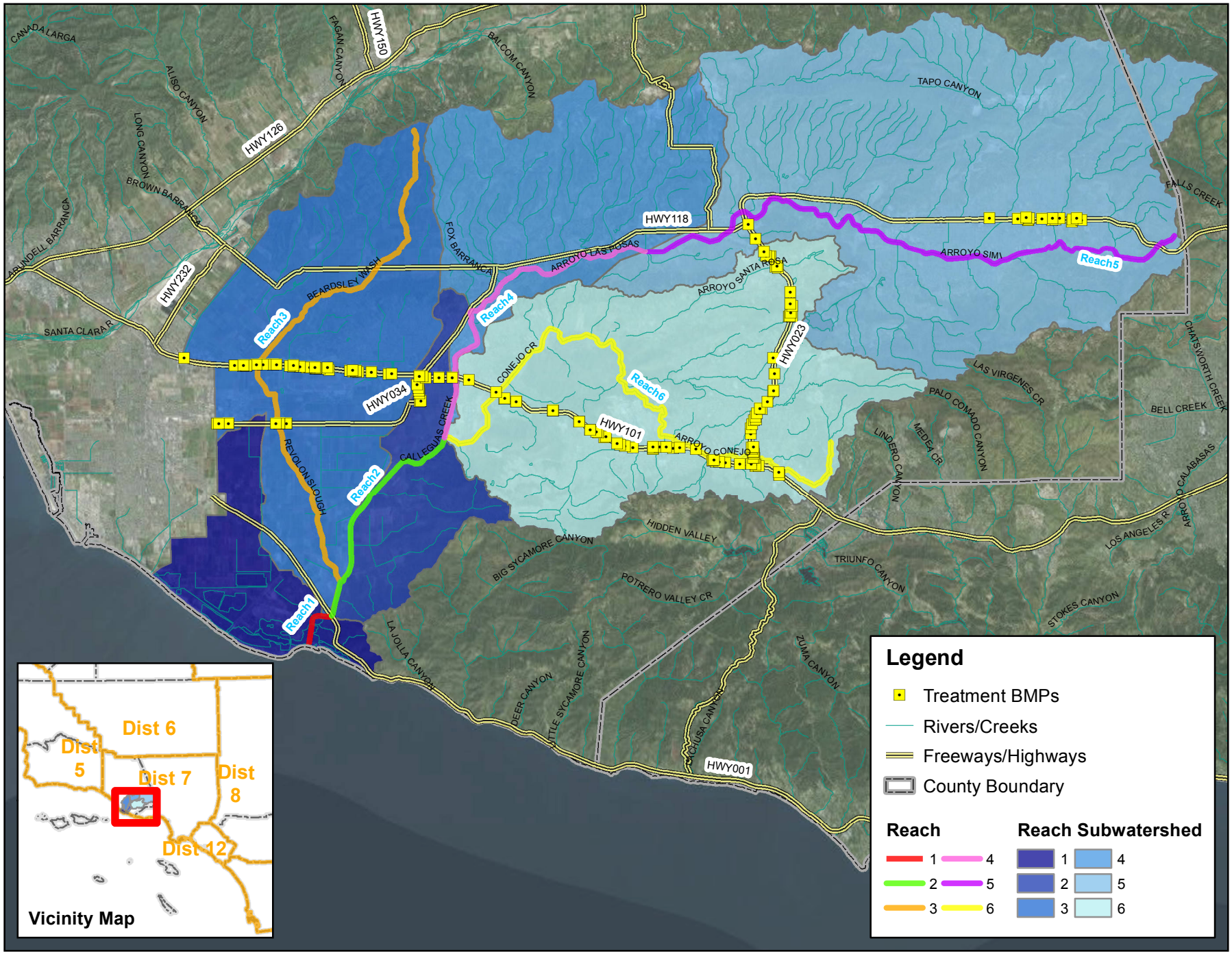
0 1 2 4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Calleguas Creek, its Tributaries and Mugu Lagoon

Metals and Selenium TMDL



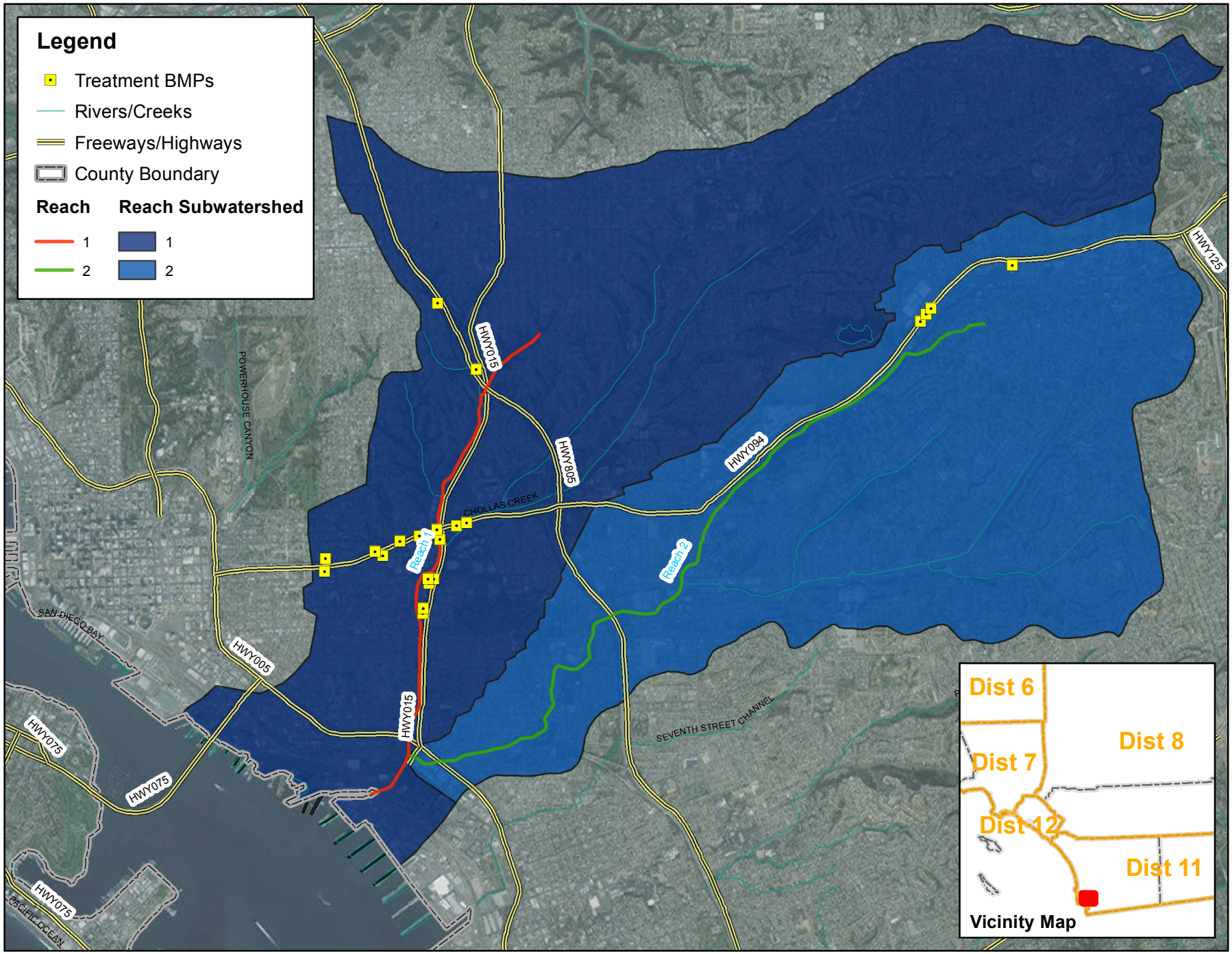
0 1 2 4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Calleguas Creek, its Tributaries and Mugu Lagoon

Organochlorine Pesticides, PCBs, and Siltation TMDL



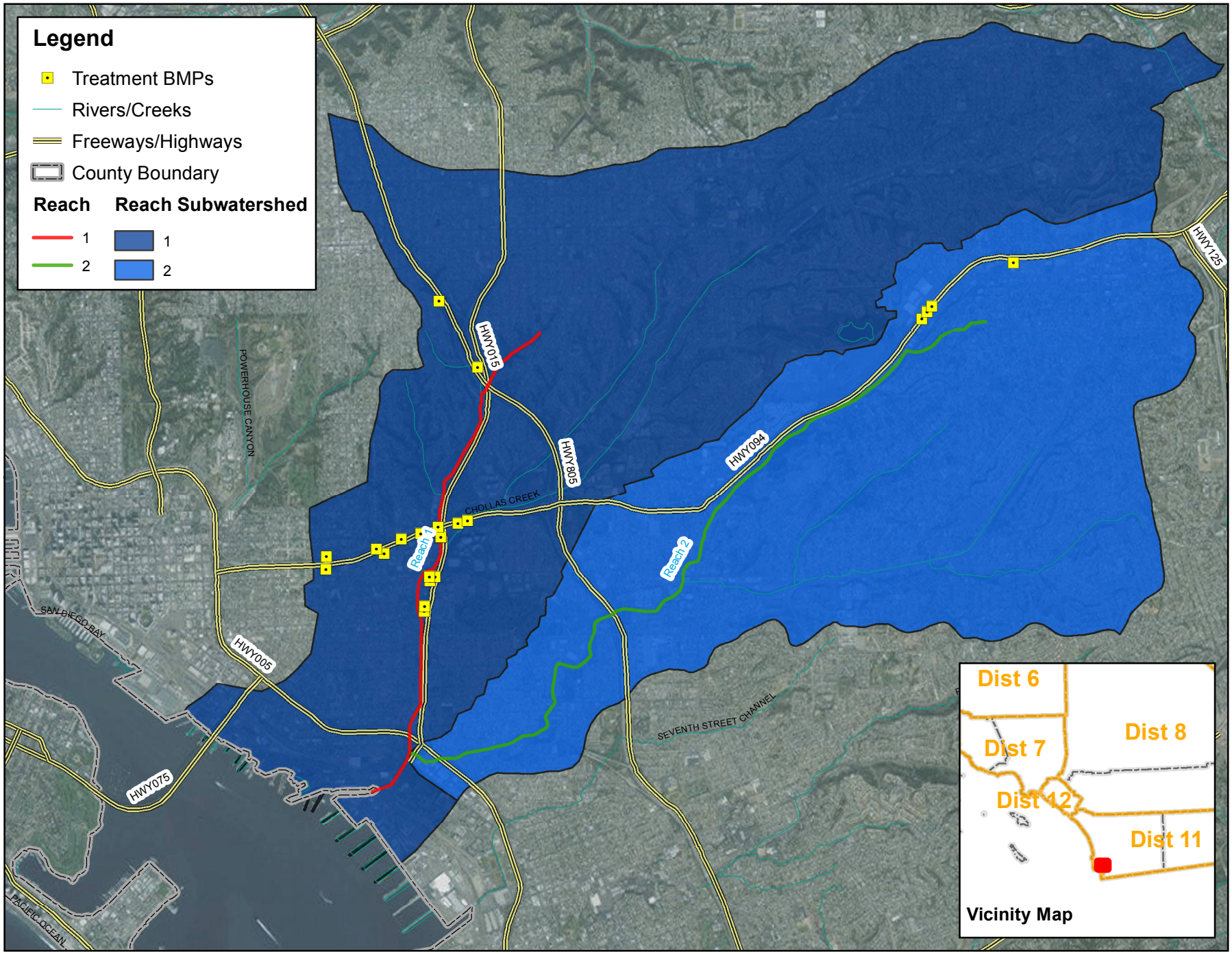
0 0.25 0.5 1 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Chollas Creek

Diazinon TMDL



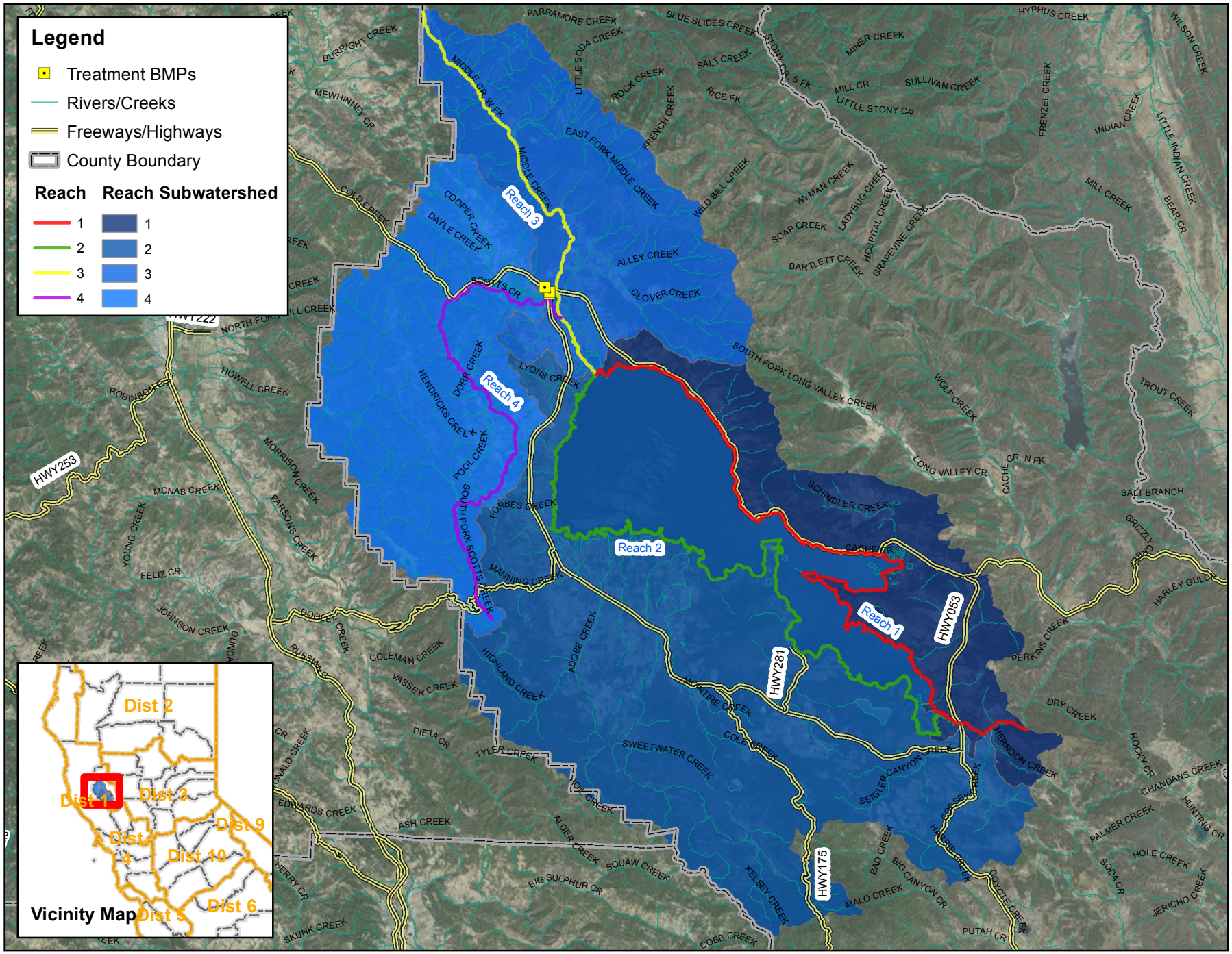
0 0.25 0.5 1 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Chollas Creek

Dissolved Copper, Lead and Zinc TMDL



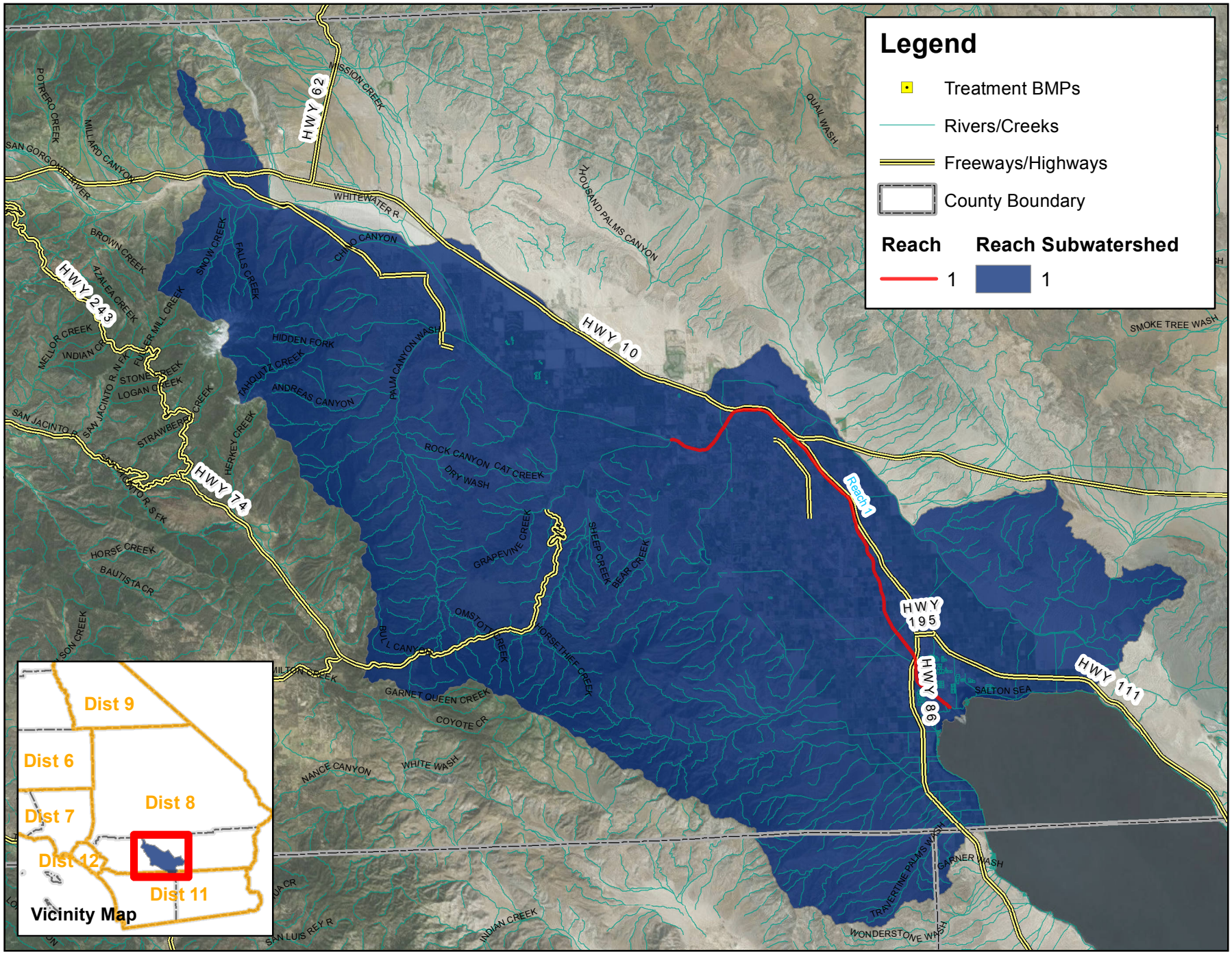
0 1.5 3 6 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Clear Lake

Nutrients TMDL



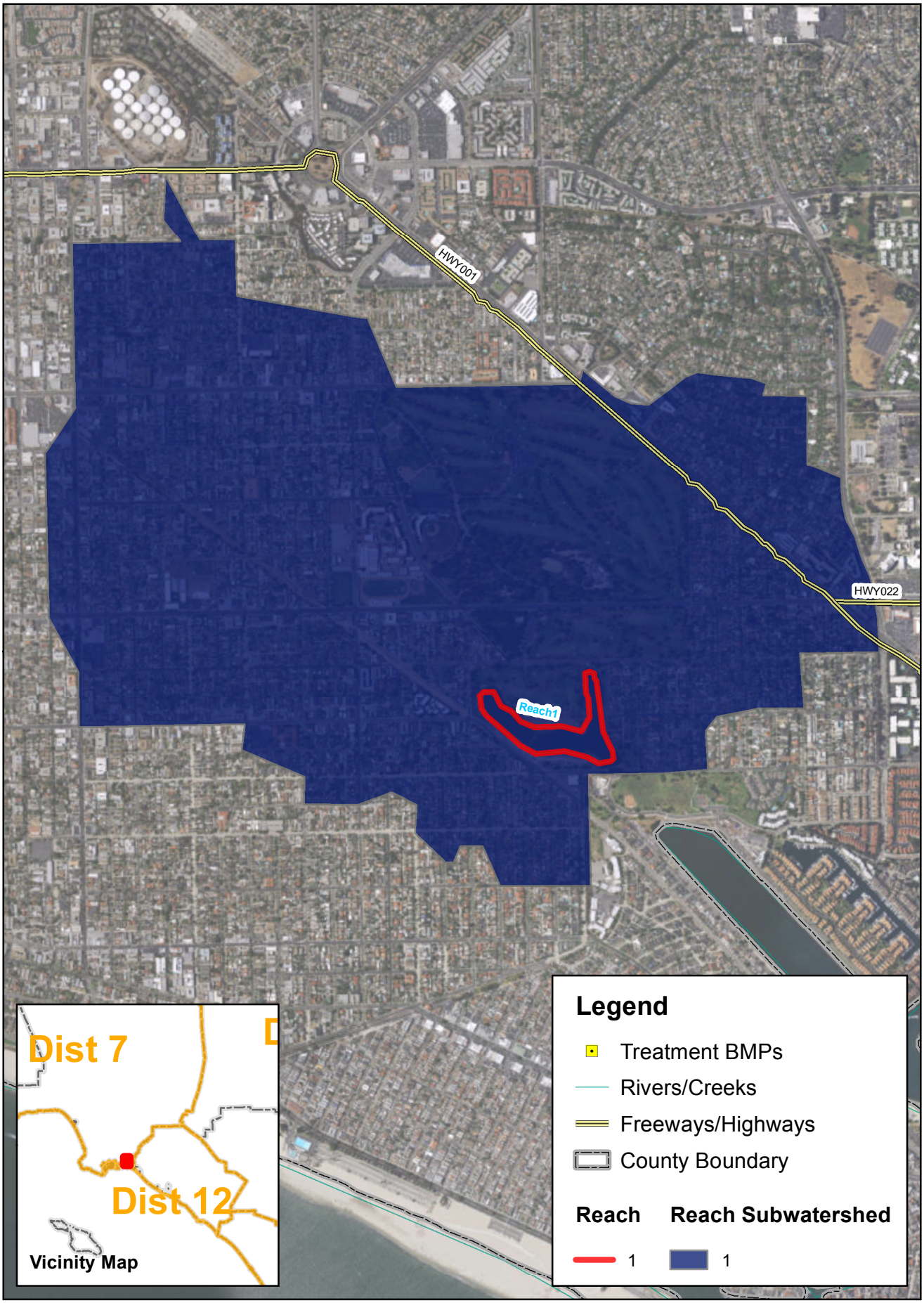
0 1.5 3 6 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Coachella Valley Storm Water Channel

Bacterial Indicators TMDL



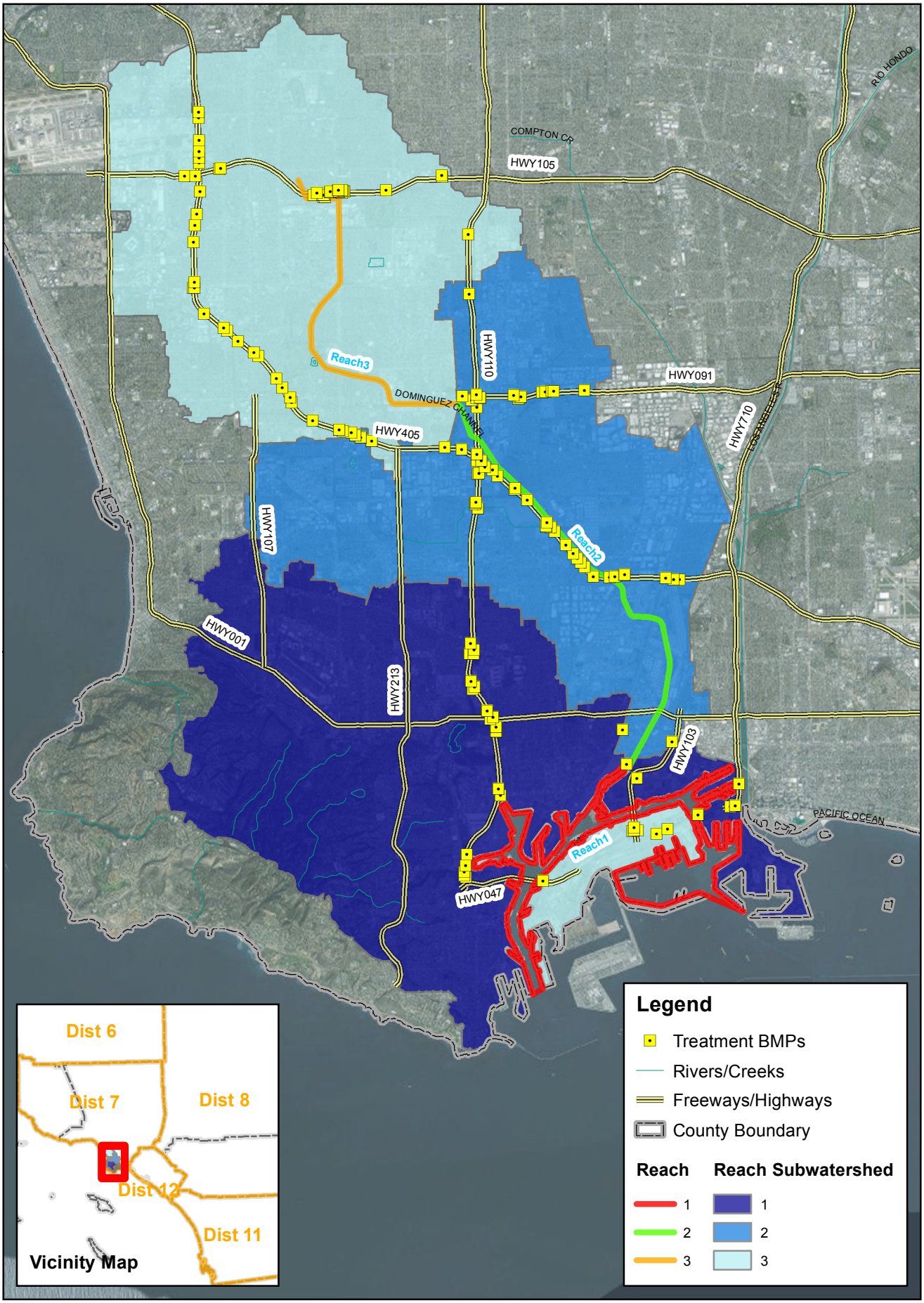
TMDL PROGRESS REPORT

0 0.1 0.2 0.4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Colorado Lagoon

Organochlorine Pesticides, PCBs, Sediment Toxicity, PAHs and Metals (Pb &Zn) TMDL



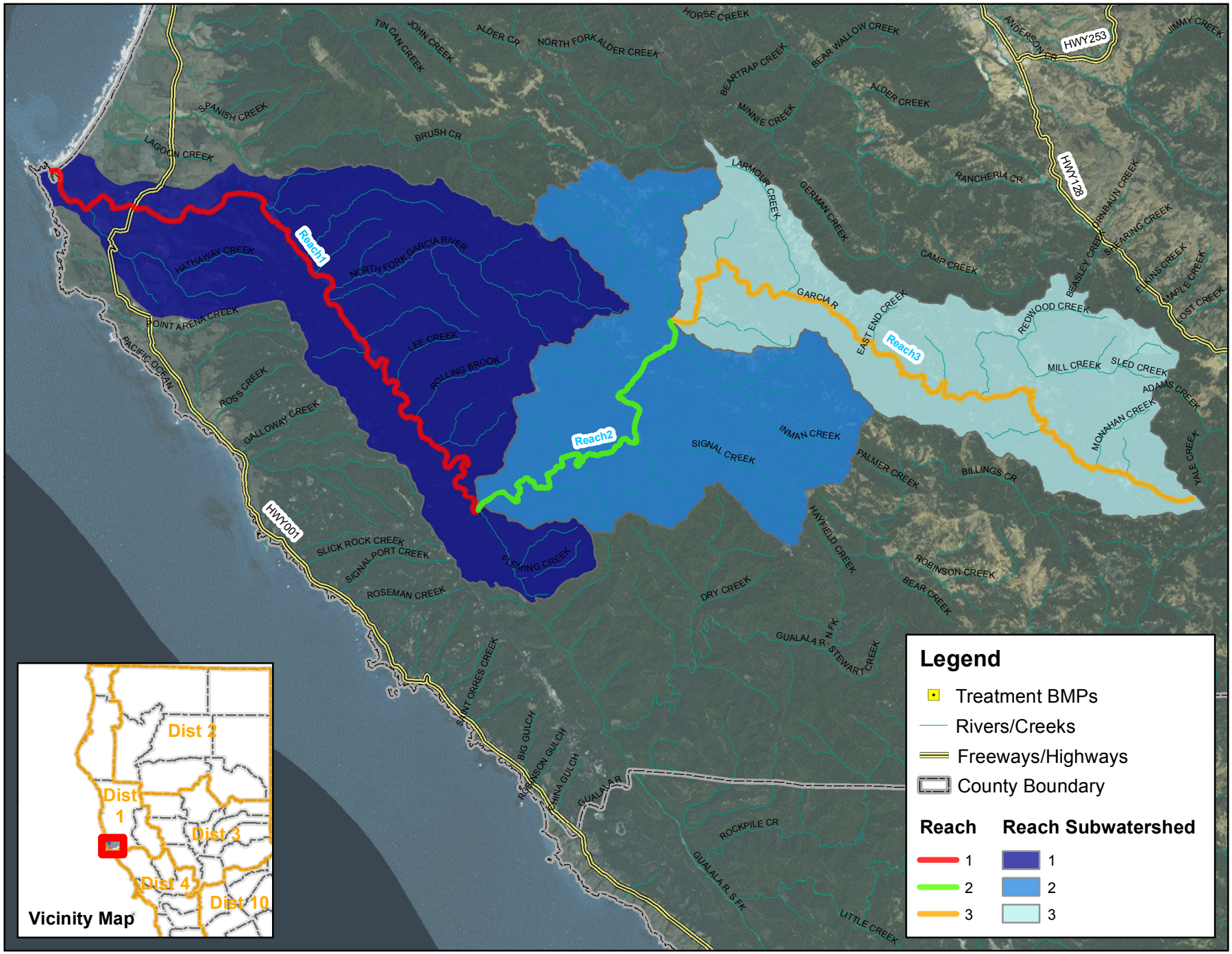
0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Dominguez Channel & Greater Los Angeles & Long Beach Harbor Waters

Metals (Cu, Pb, Zn), DDT, PAHs, and PCBs TMDL



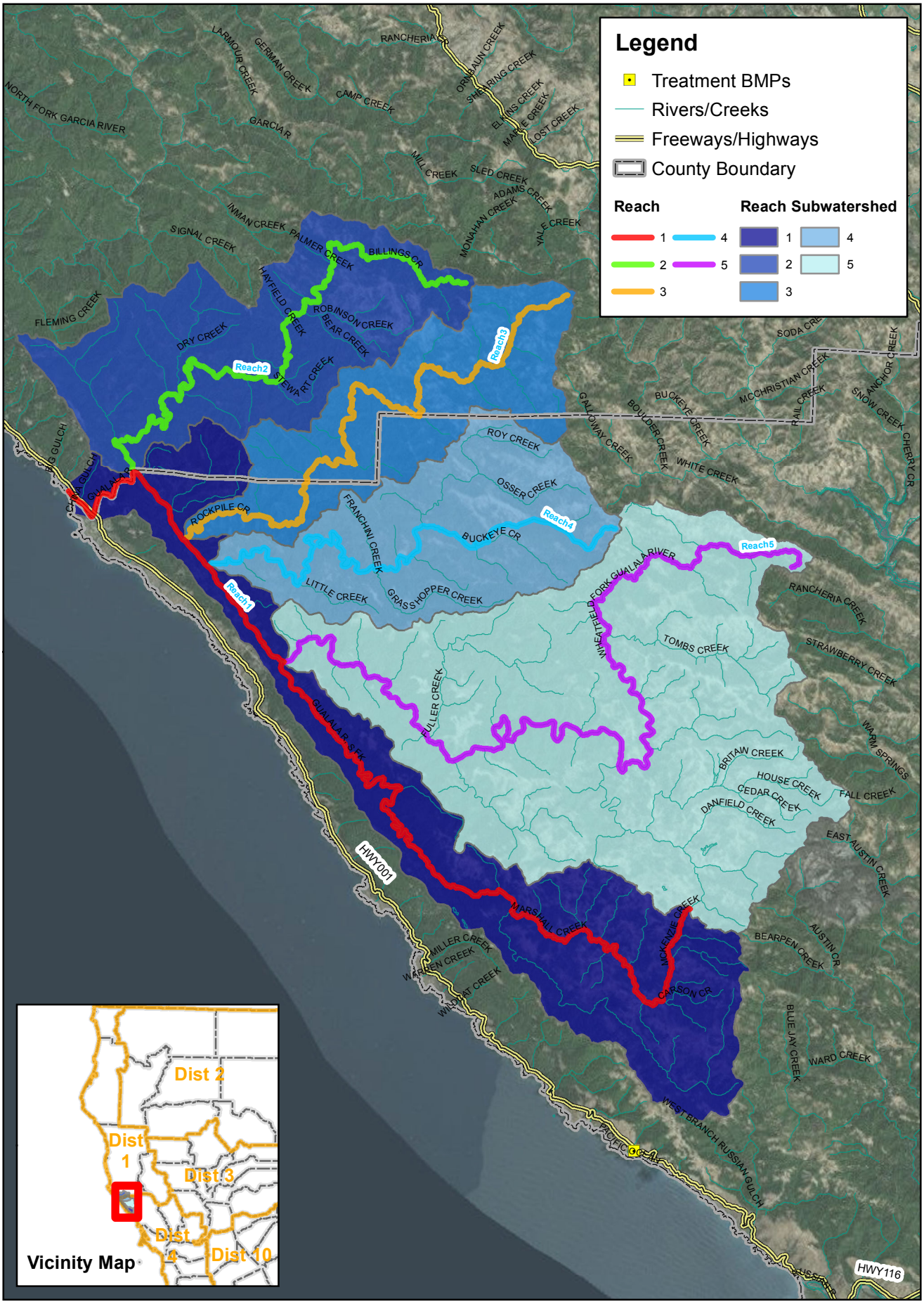
0 1 2 4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Garcia River

Sediment TMDL



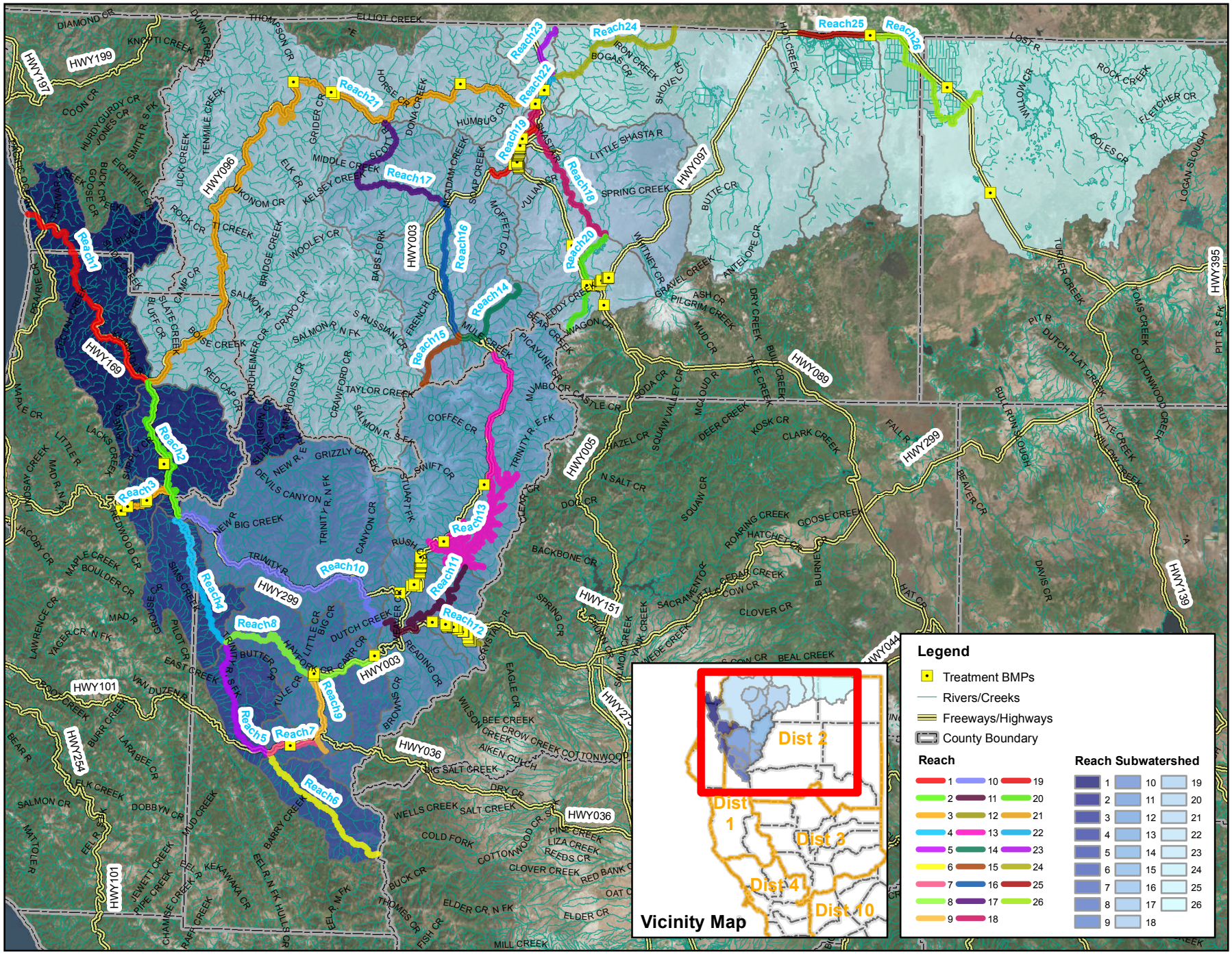
TMDL PROGRESS REPORT

0 1 2 4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Gualala River

Sediment TMDL



Caltrans

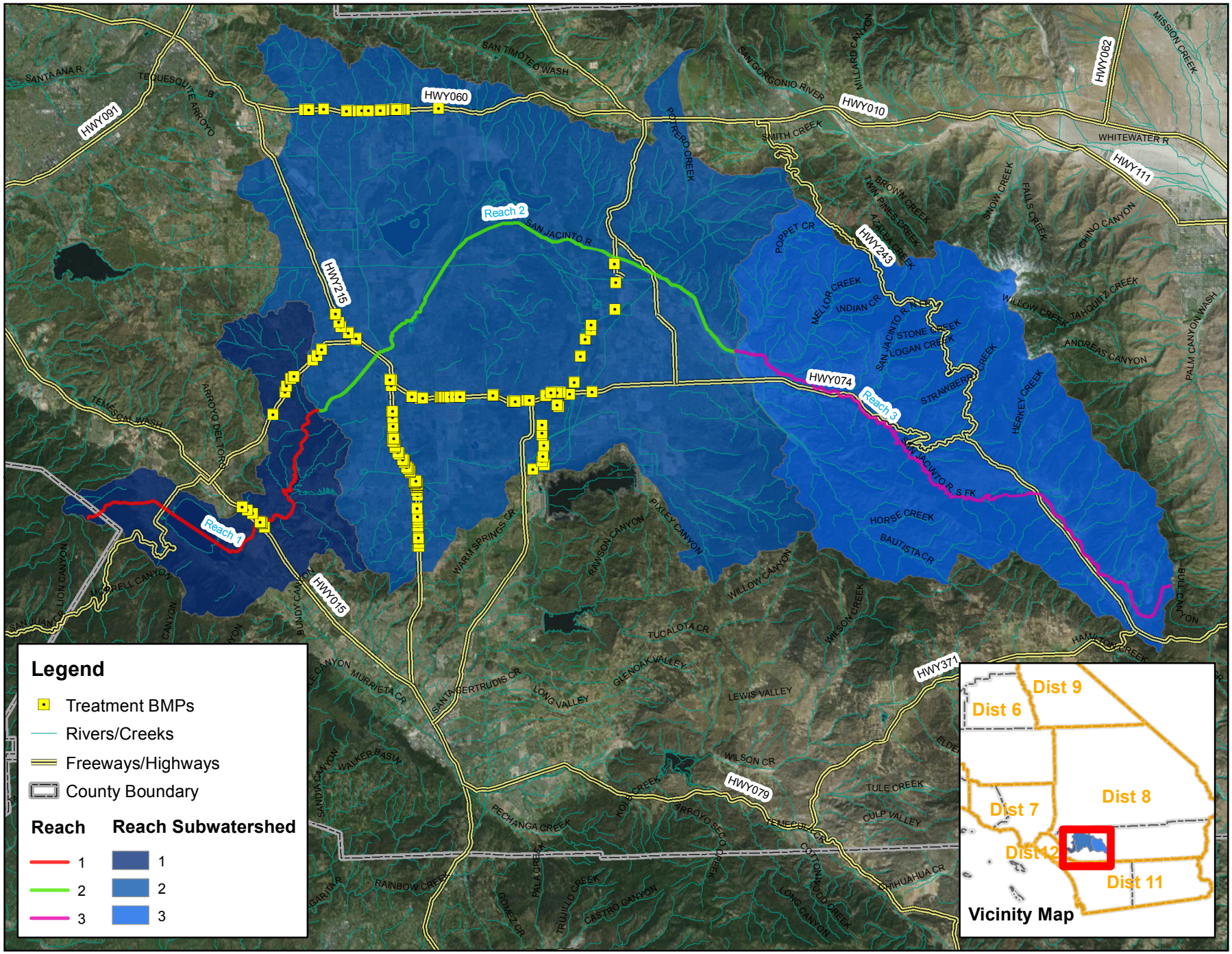
0 5 10 20 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Klamath River

Temperature, Dissolved Oxygen, Nutrients, and Microcystin TMDL



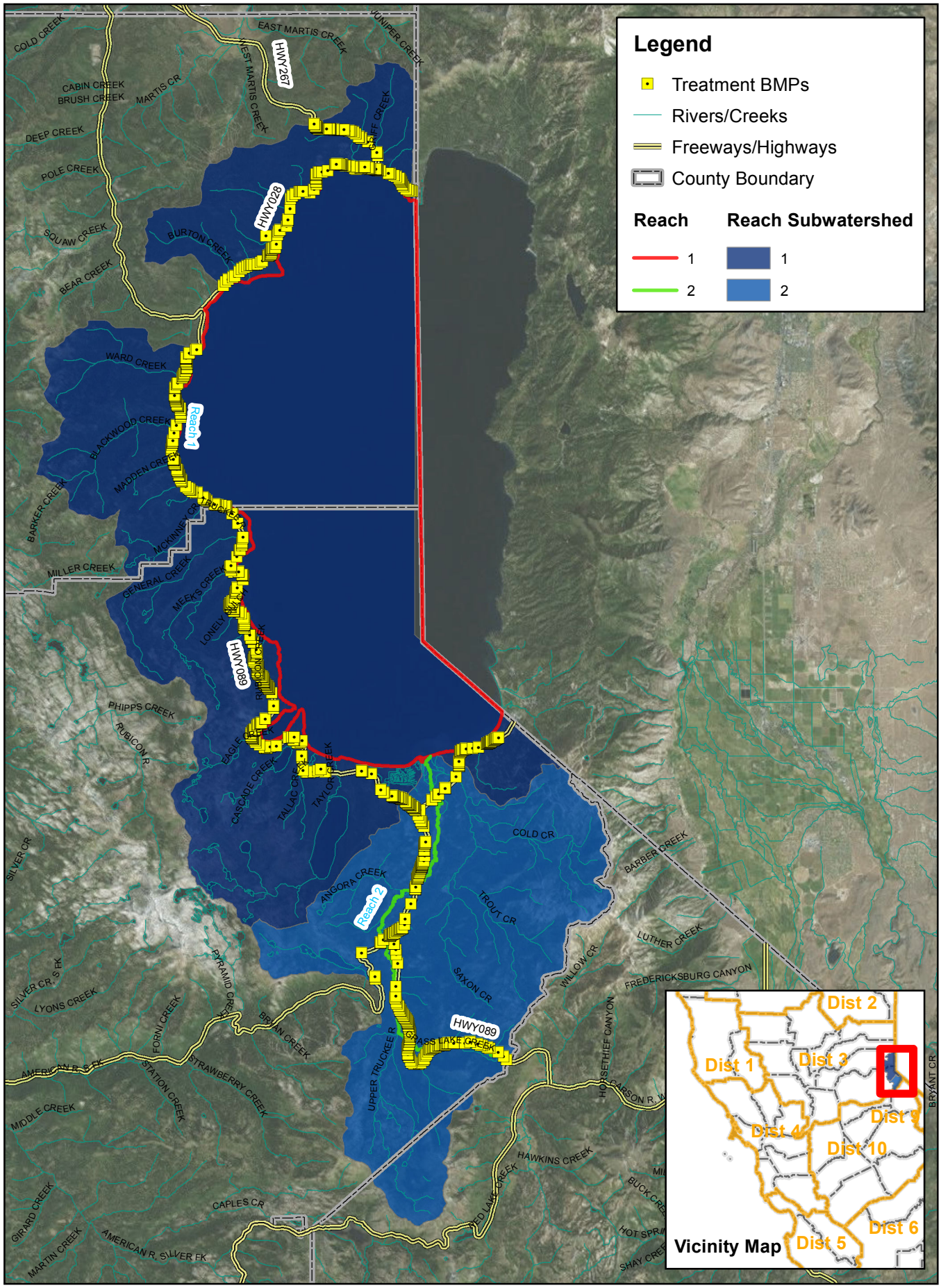
0 2 4 8 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Lake Elsinore and Canyon Lake

Nutrients TMDL

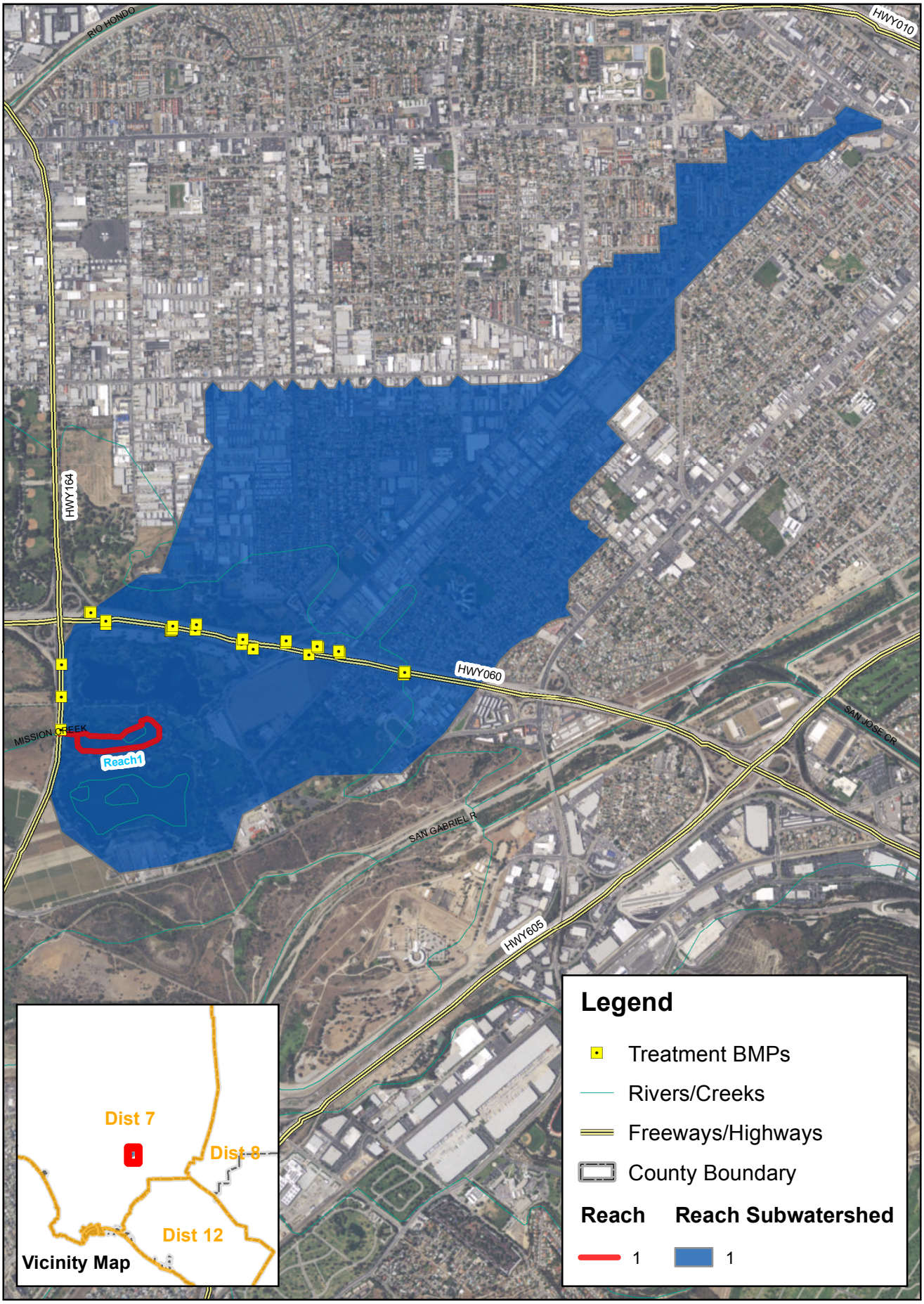


Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Lake Tahoe

Sediment and Nutrients TMDL



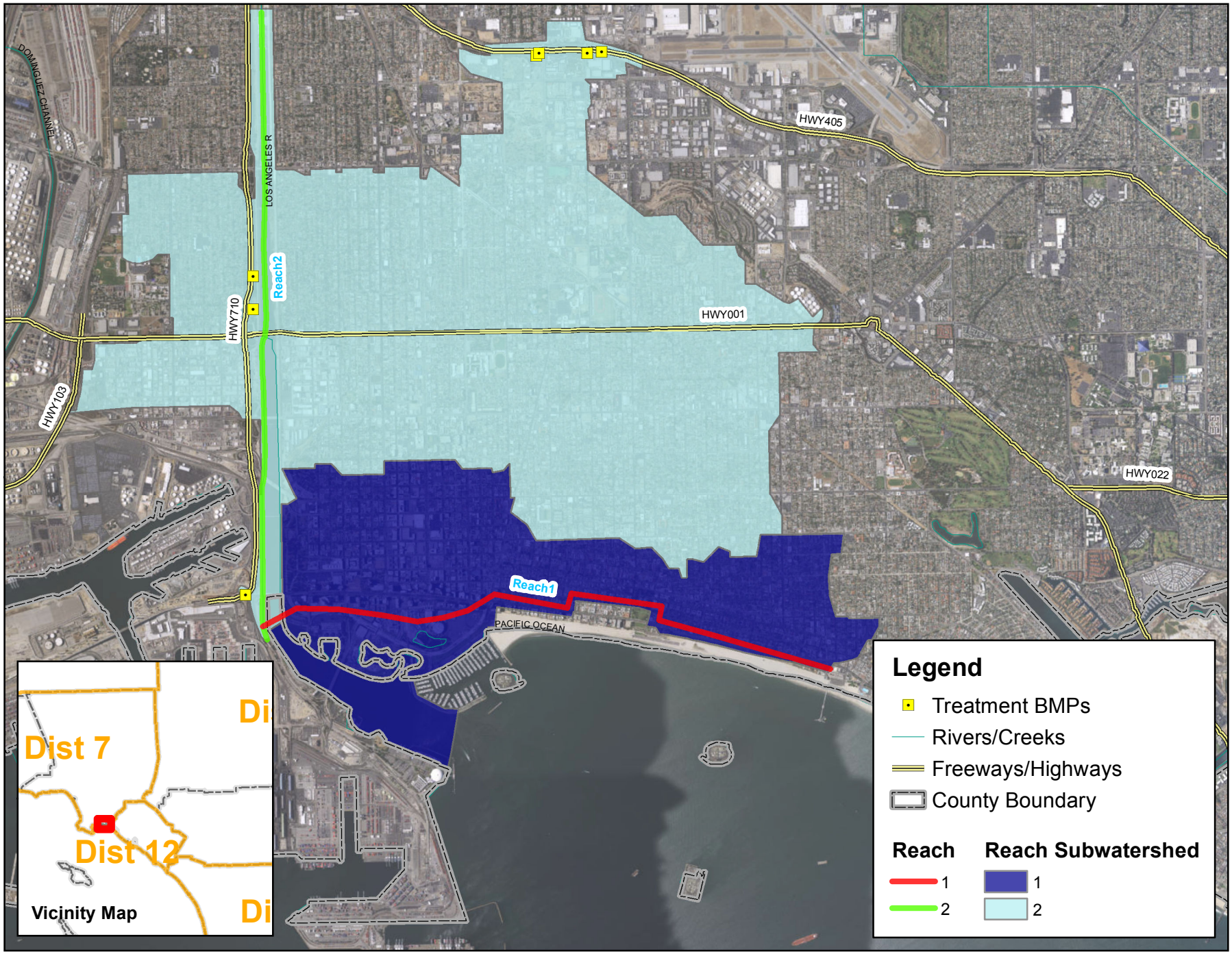
0 0.1 0.2 0.4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Legg Lake

Trash TMDL



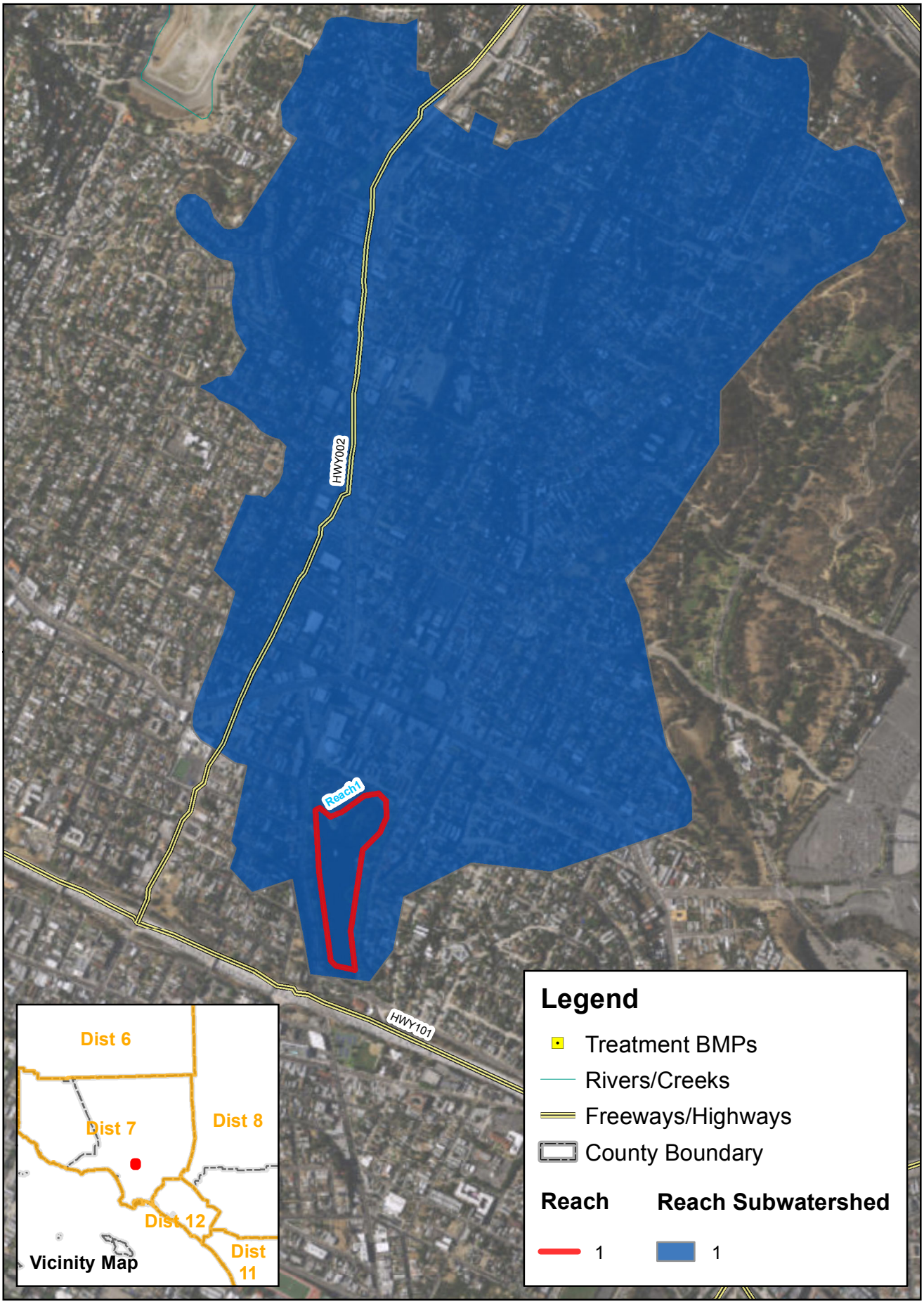
0 0.2 0.4 0.8 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Long Beach City Beaches and Los Angeles River Estuary

Indicator Bacteria TMDL



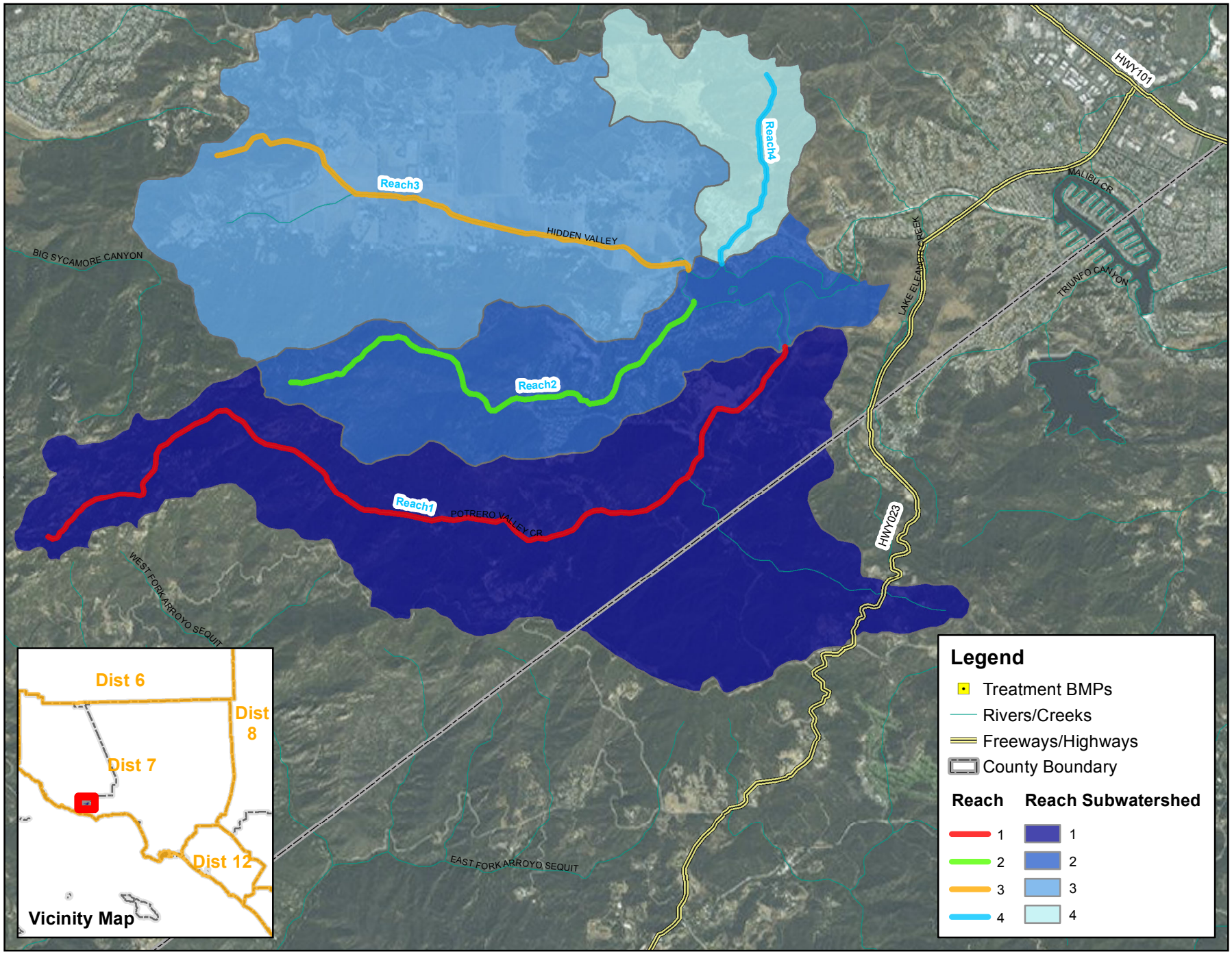
0 0.05 0.1 0.2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Los Angeles Area Echo Park Lake

Nitrogen, Phosphorus, Chlordane, Dieldrin, PCBs, and Trash TMDL

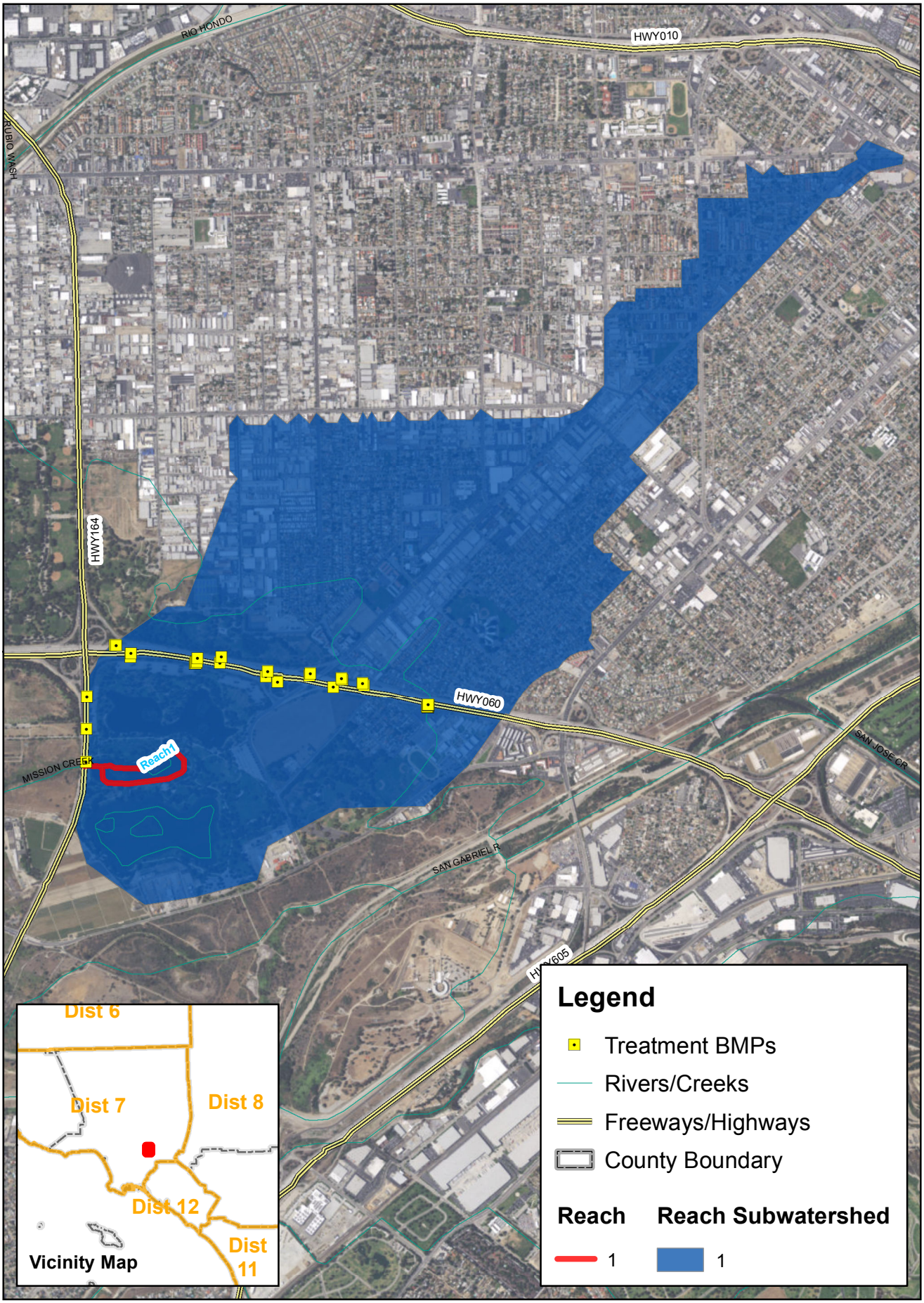


Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Los Angeles Area Lake Sherwood

Mercury TMDL



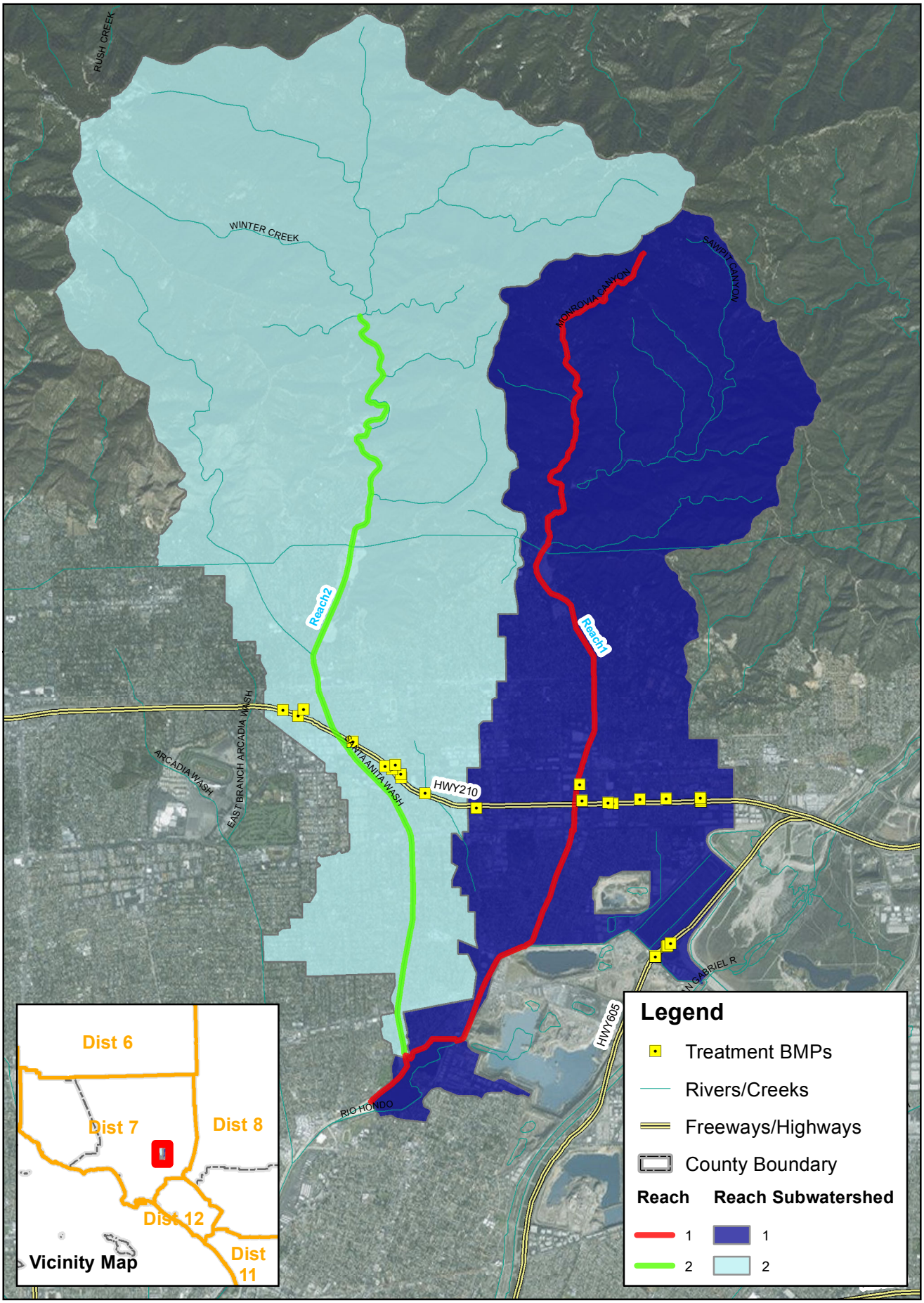
TMDL PROGRESS REPORT

0 0.1 0.2 0.4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Los Angeles Area North, Center & Legg Lake

Nitrogen, Phosphorus TMDL



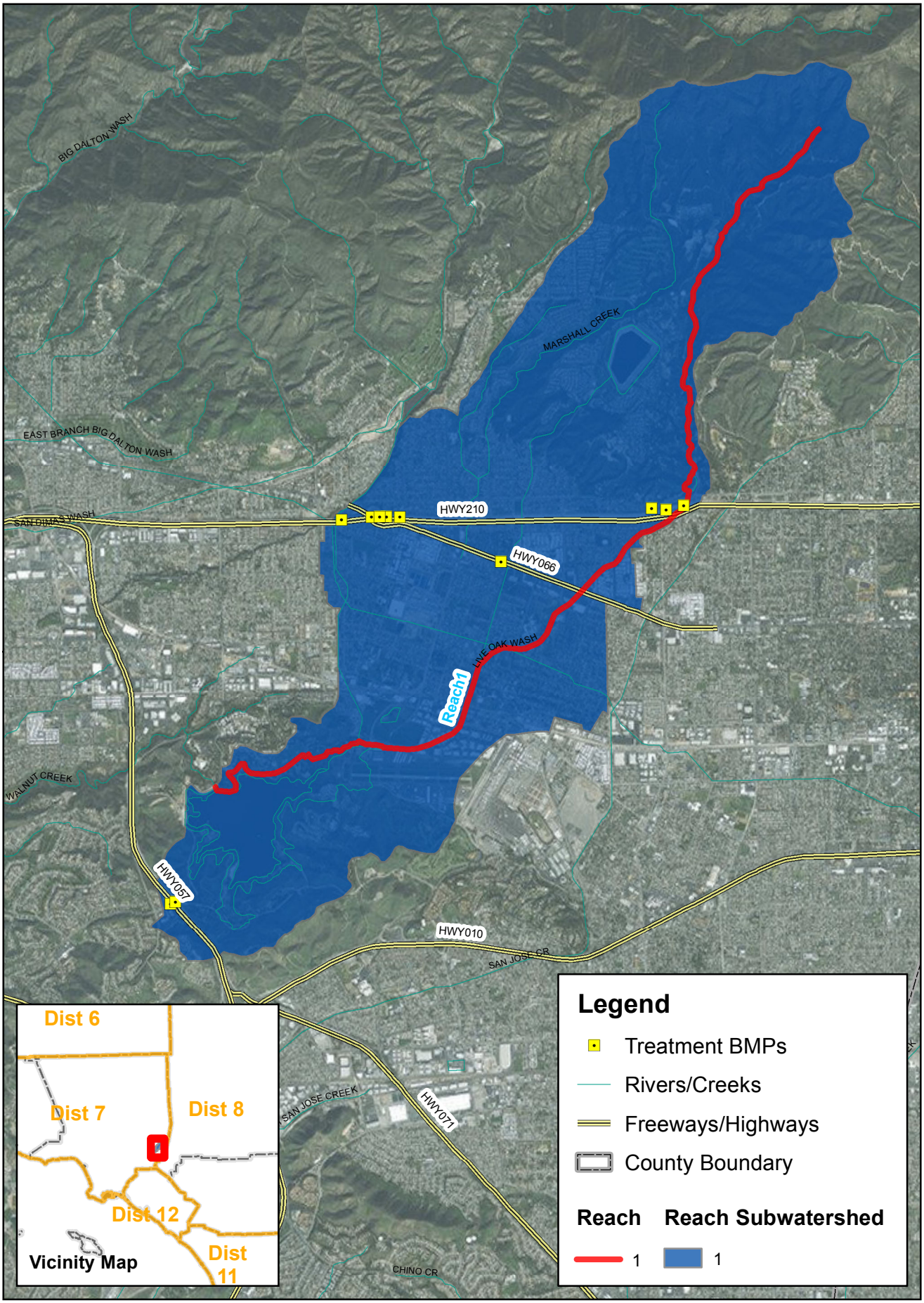
TMDL PROGRESS REPORT

0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Los Angeles Area Peck Road Park Lake

Nitrogen, Phosphorus, Chlordane, DDT, Dieldrin, PCBs, and Trash TMDL



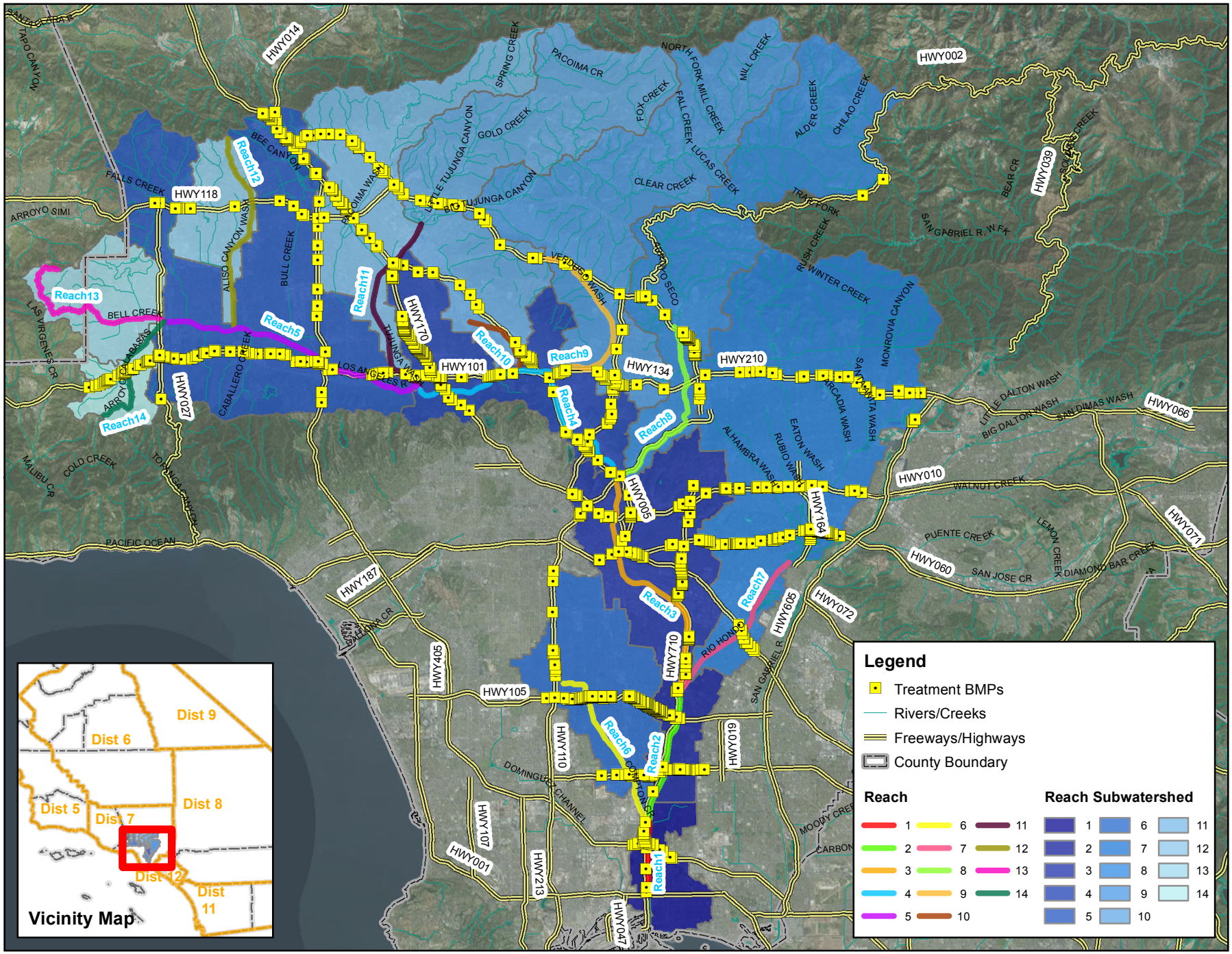
0 0.3 0.6 1.2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Los Angeles Area Puddingstone Reservoir

Nitrogen, Phosphorus, Chlordane, DDT, PCBs, Mercury, Dieldrin TMDL



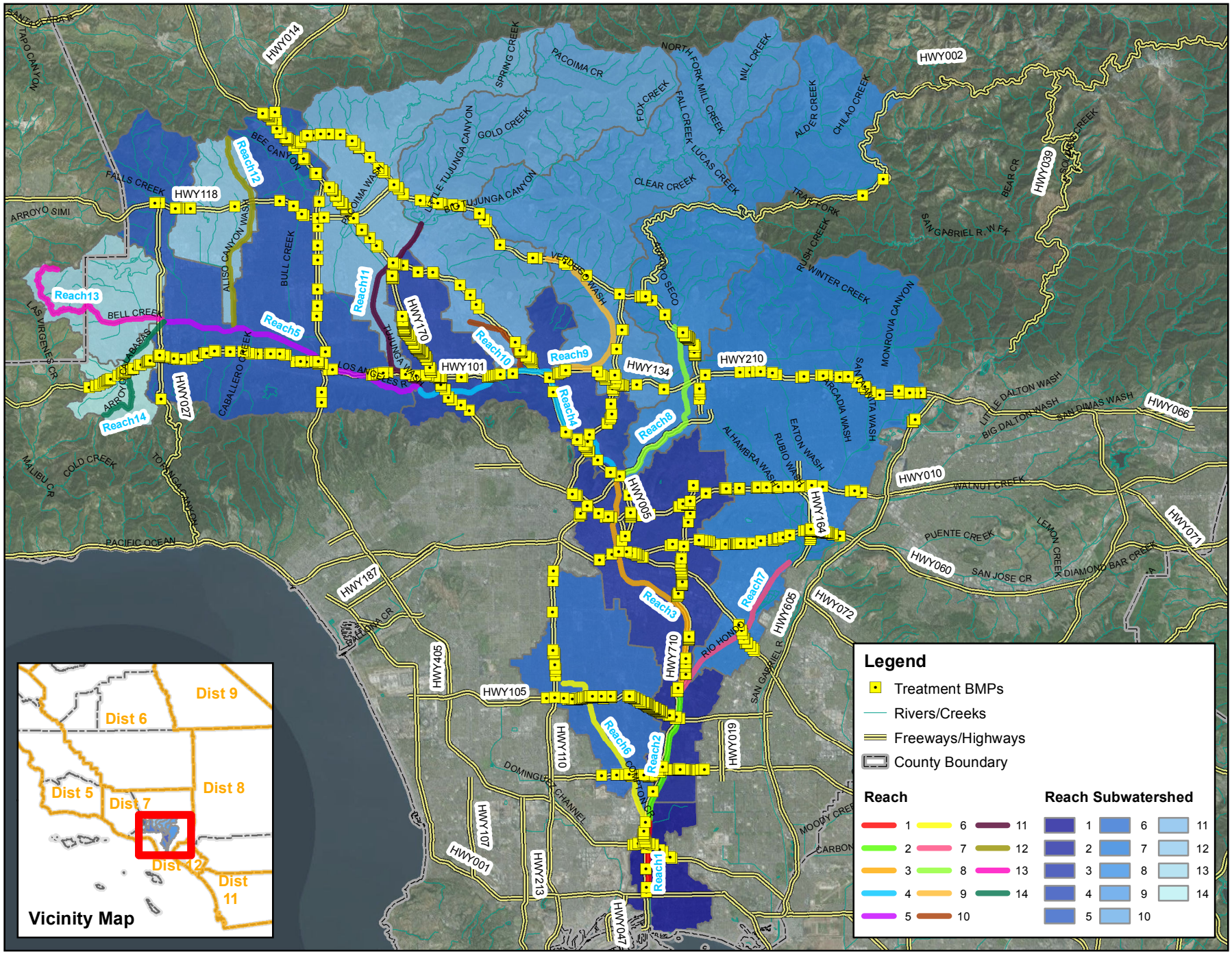
0 2.5 5 10 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Los Angeles River

Trash TMDL



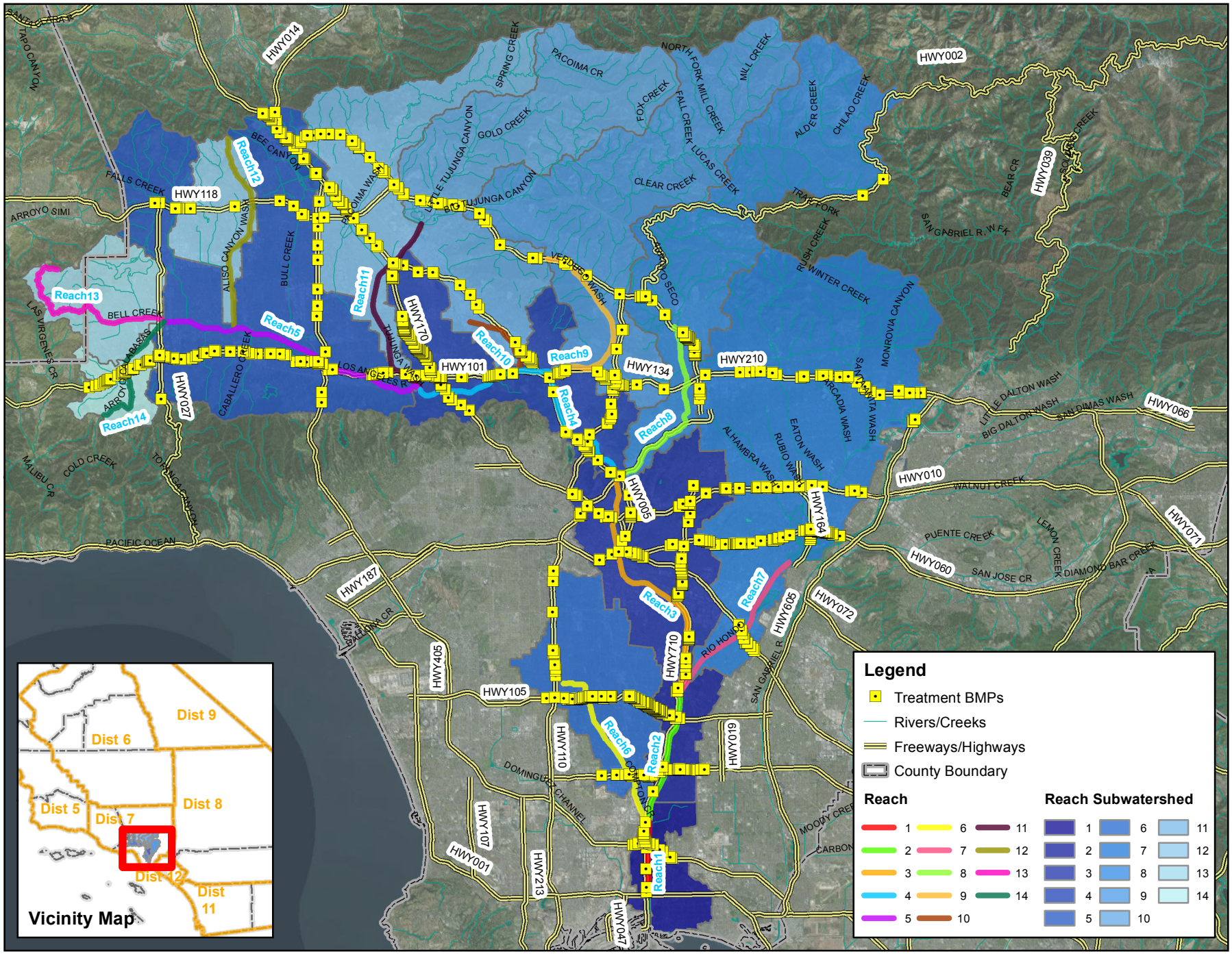
0 2.5 5 10 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Los Angeles River and Tributaries

Metals TMDL

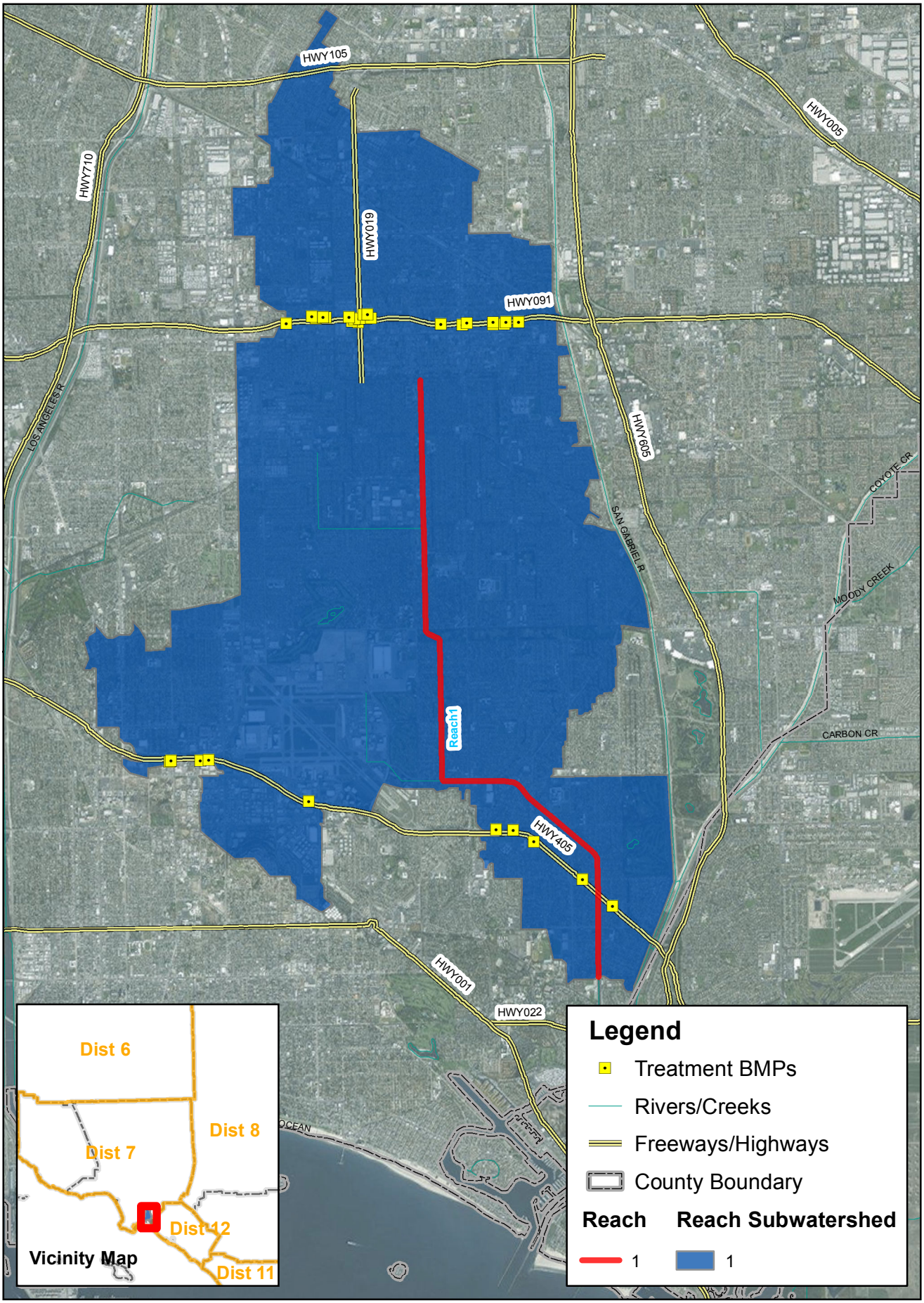


Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Los Angeles River Watershed

Bacteria TMDL



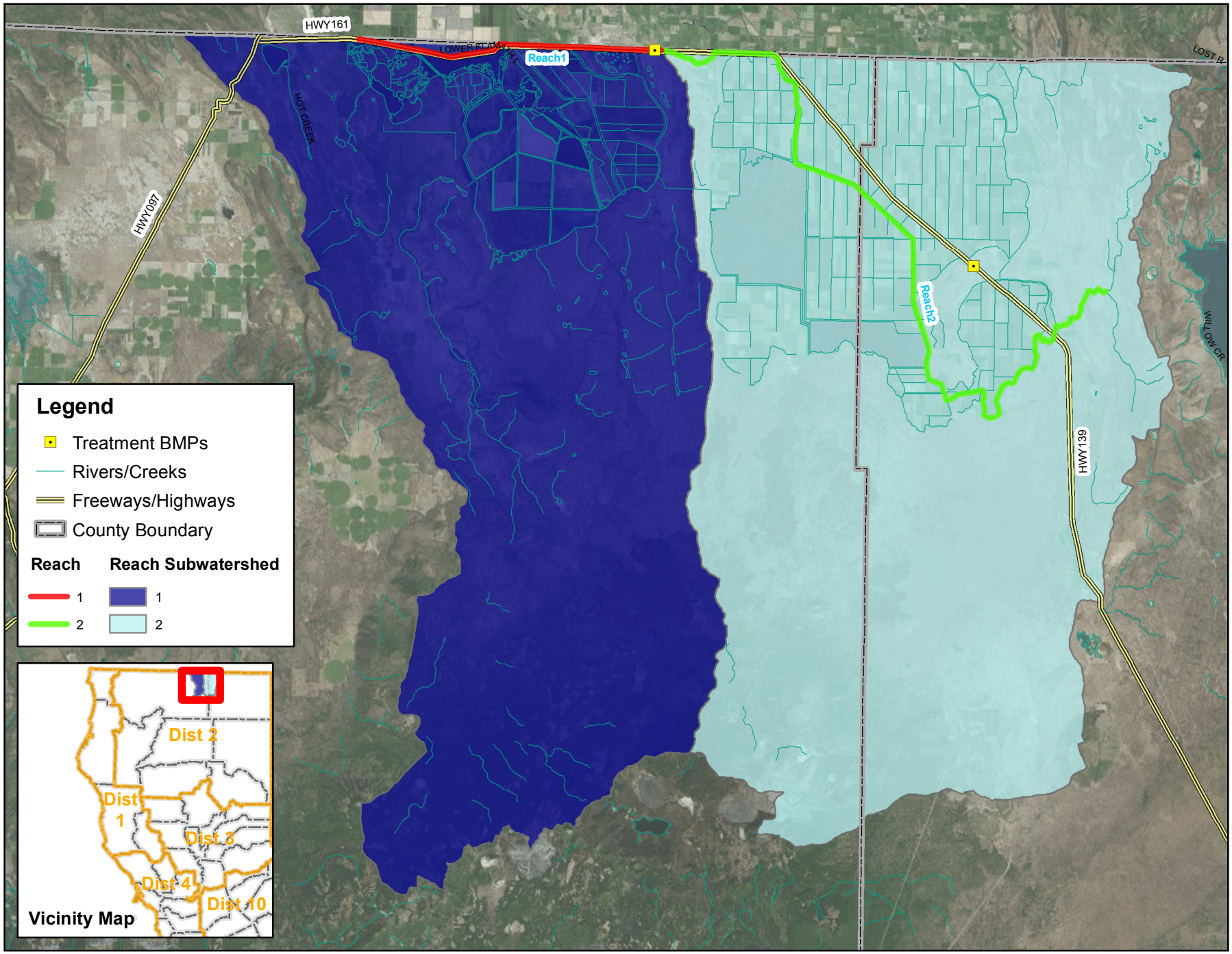
0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Los Cerritos Channel

Metals TMDL



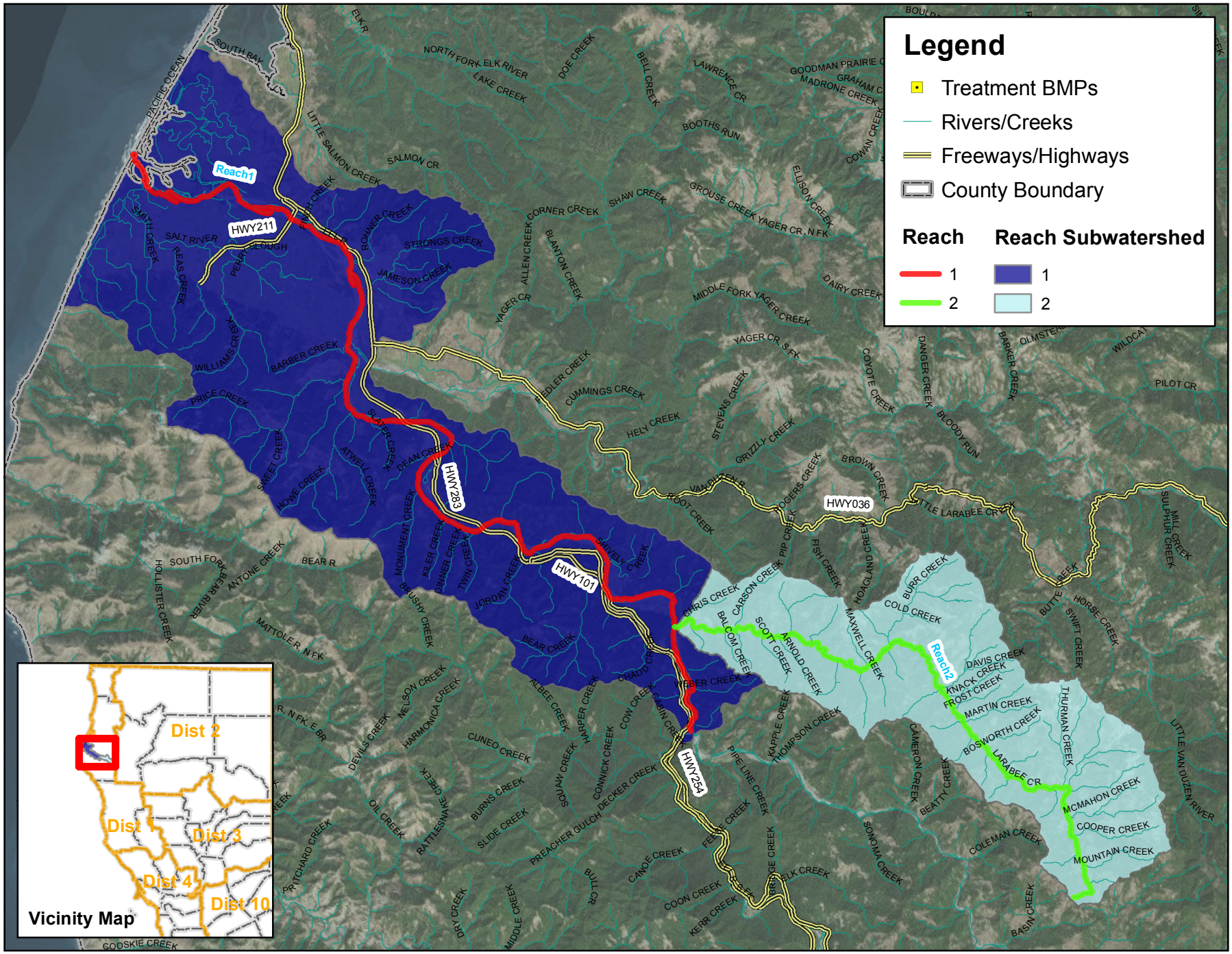
0 2 4 8 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Lost River

Nitrogen, Biochemical Oxygen Demand, and pH TMDL



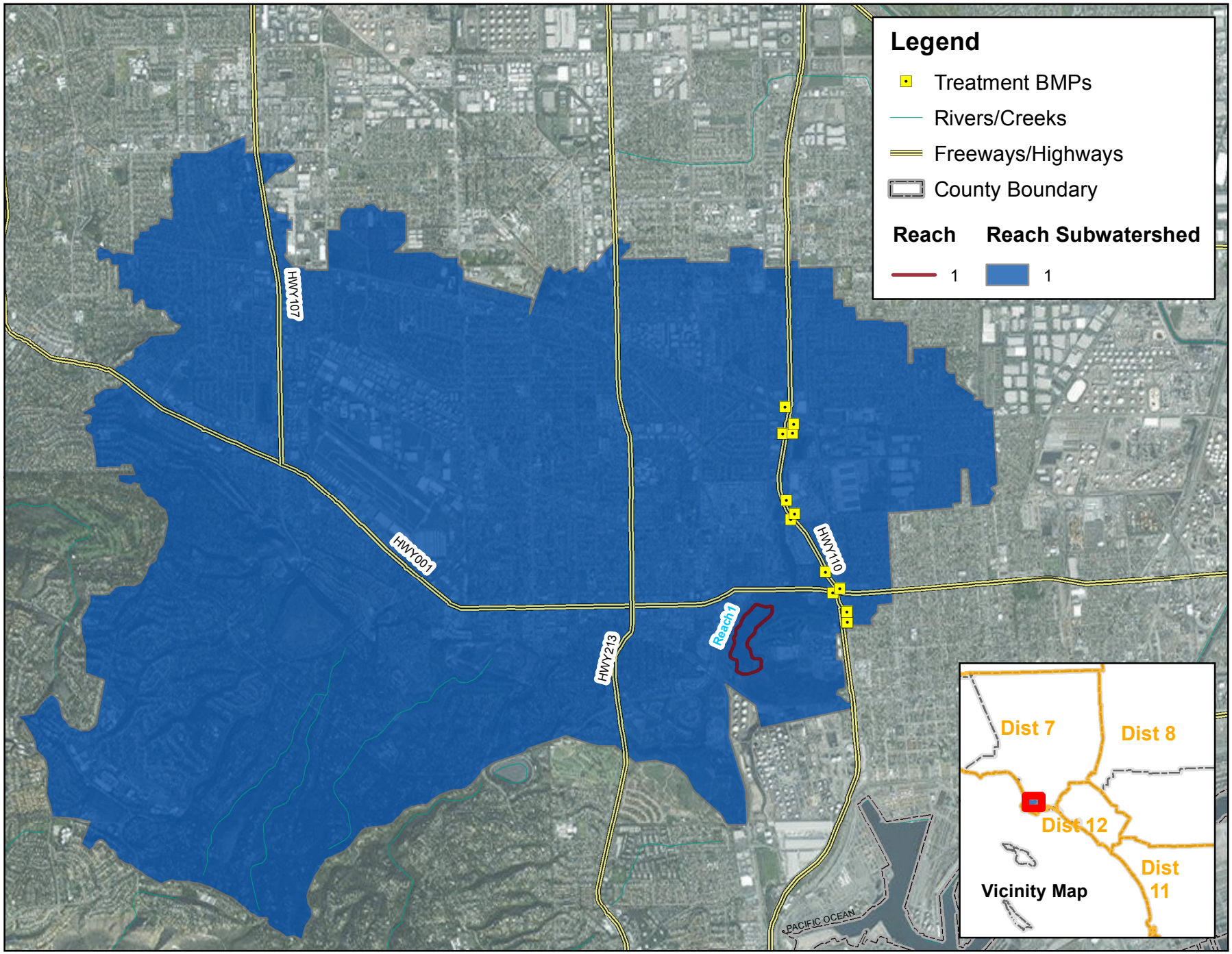
0 2 4 8 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Lower Eel River

Temperature and Sediment TMDL



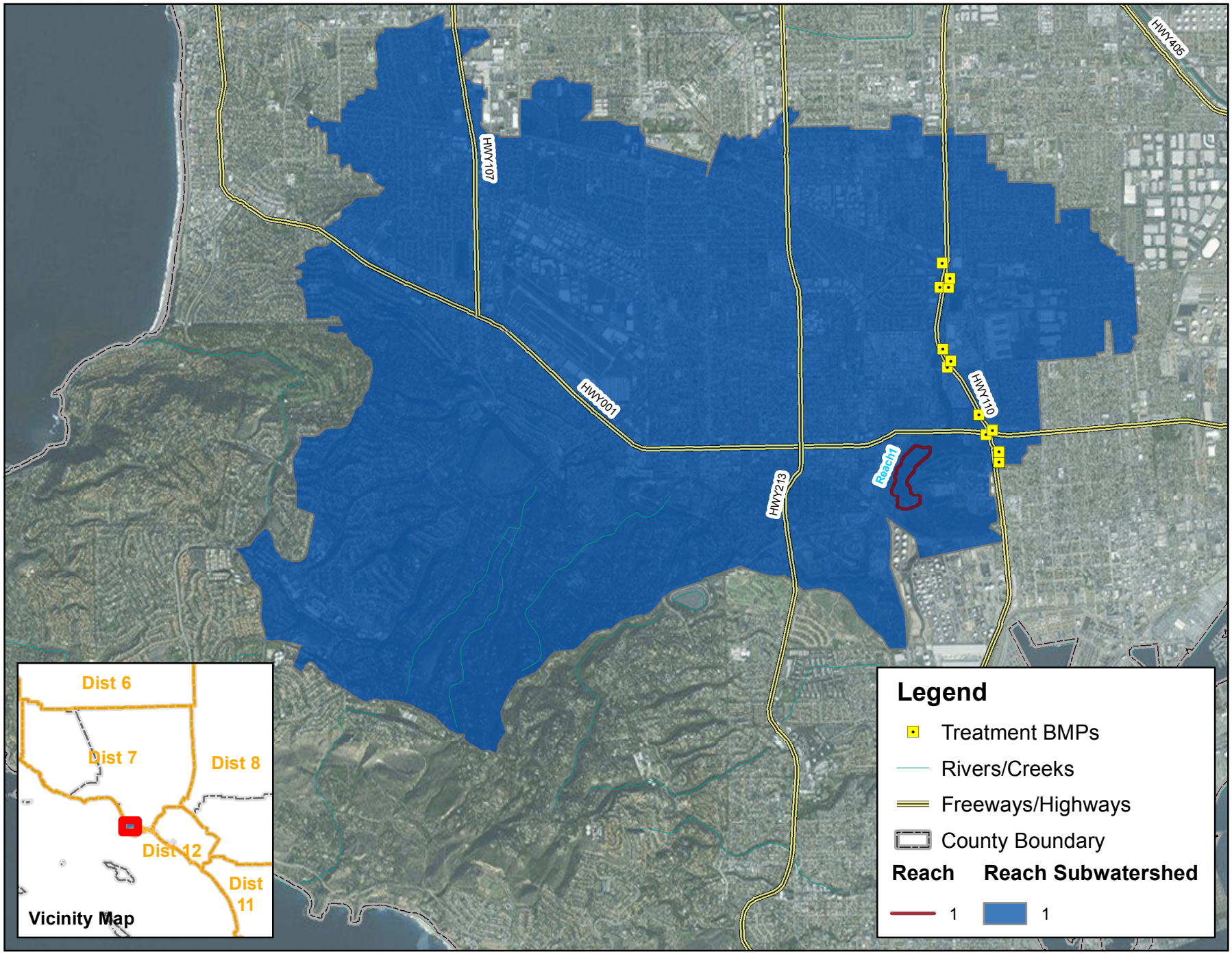
0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Machado Lake

Eutrophic, Algae, Ammonia, and Odors (Nutrients) TMDL



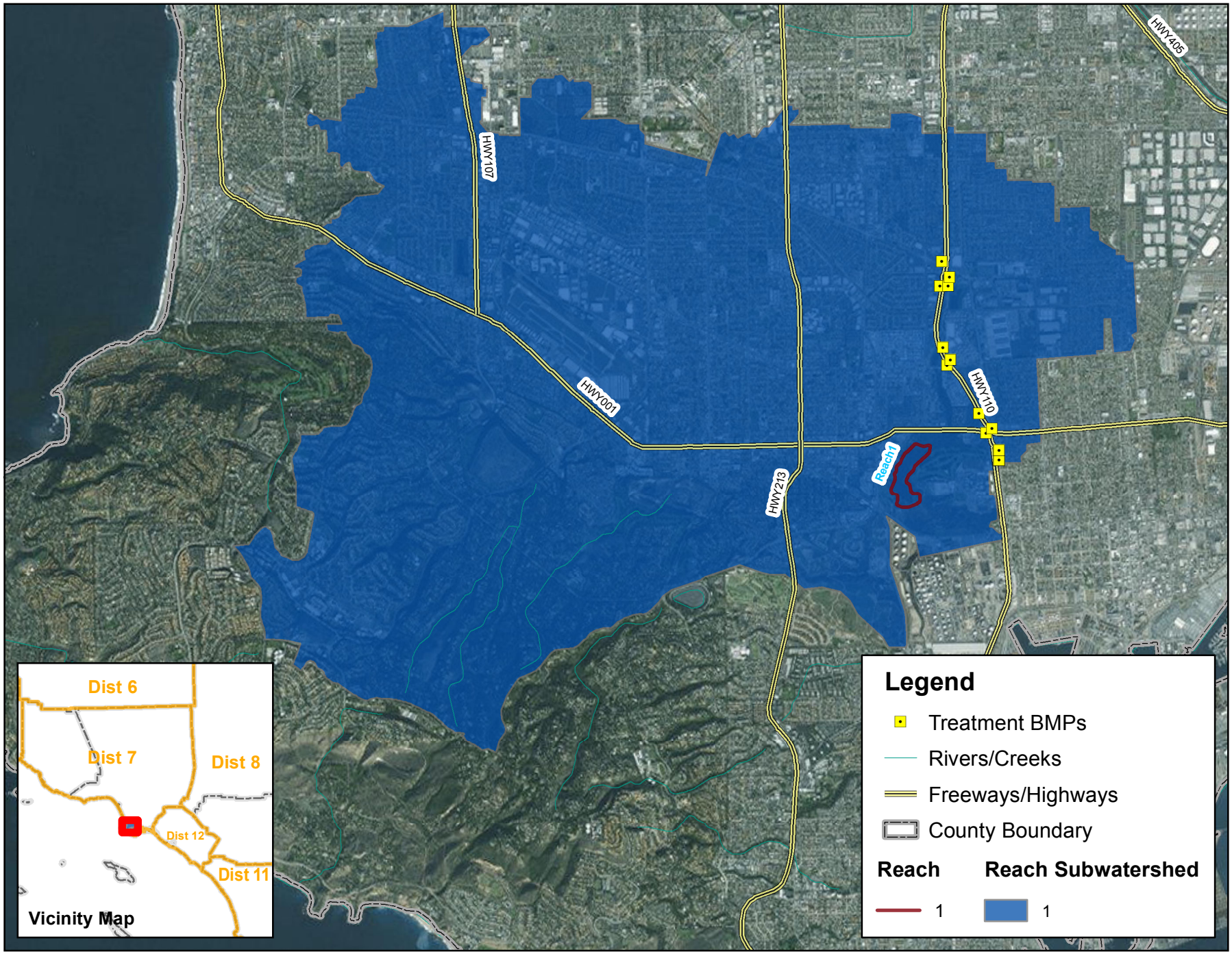
0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Machado Lake

OC Pesticides (DDT, DDE, DDD, Total DDT, Chlordane, Dieldrin) and PCBs TMDL



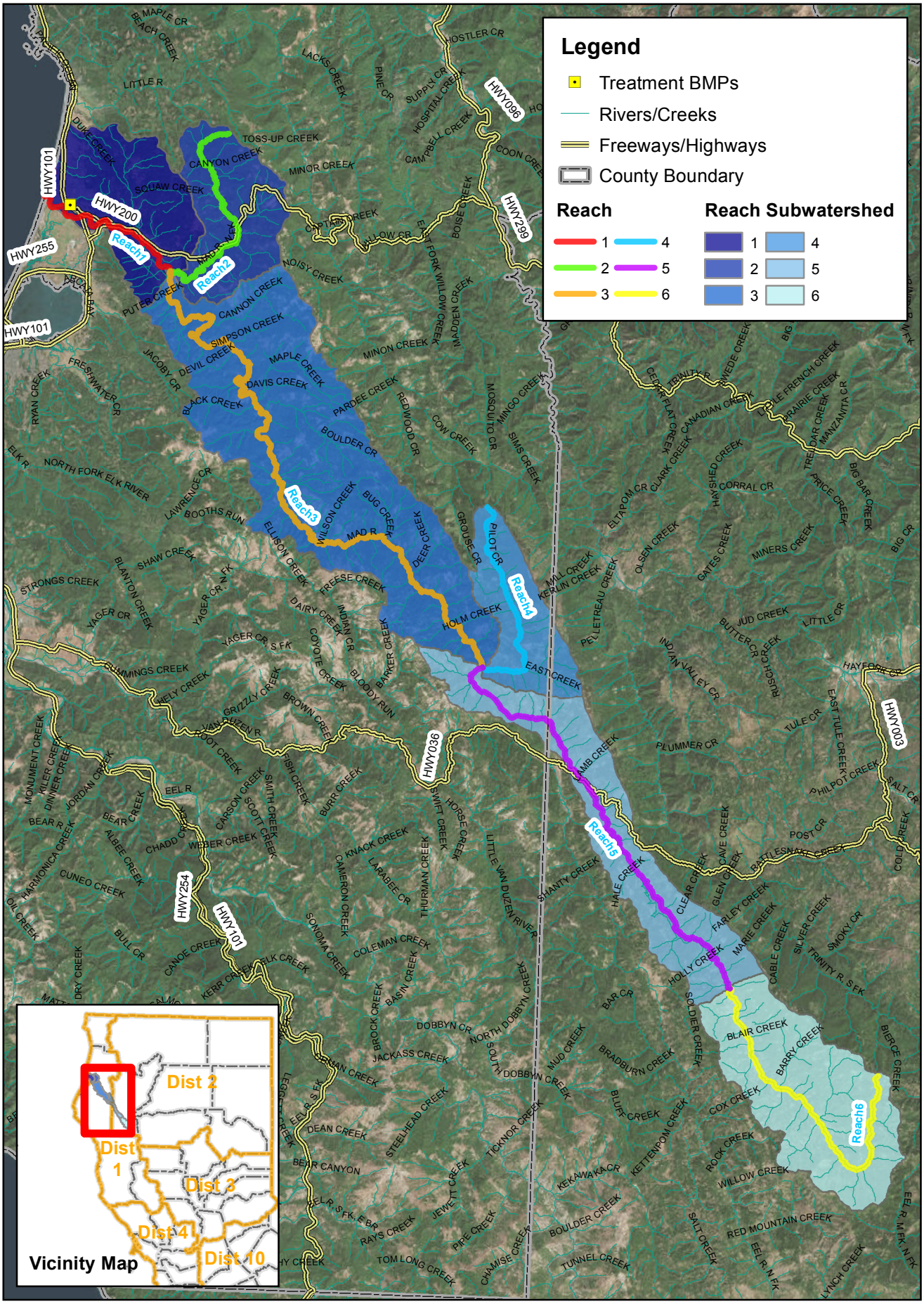
0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Machado Lake

Trash TMDL



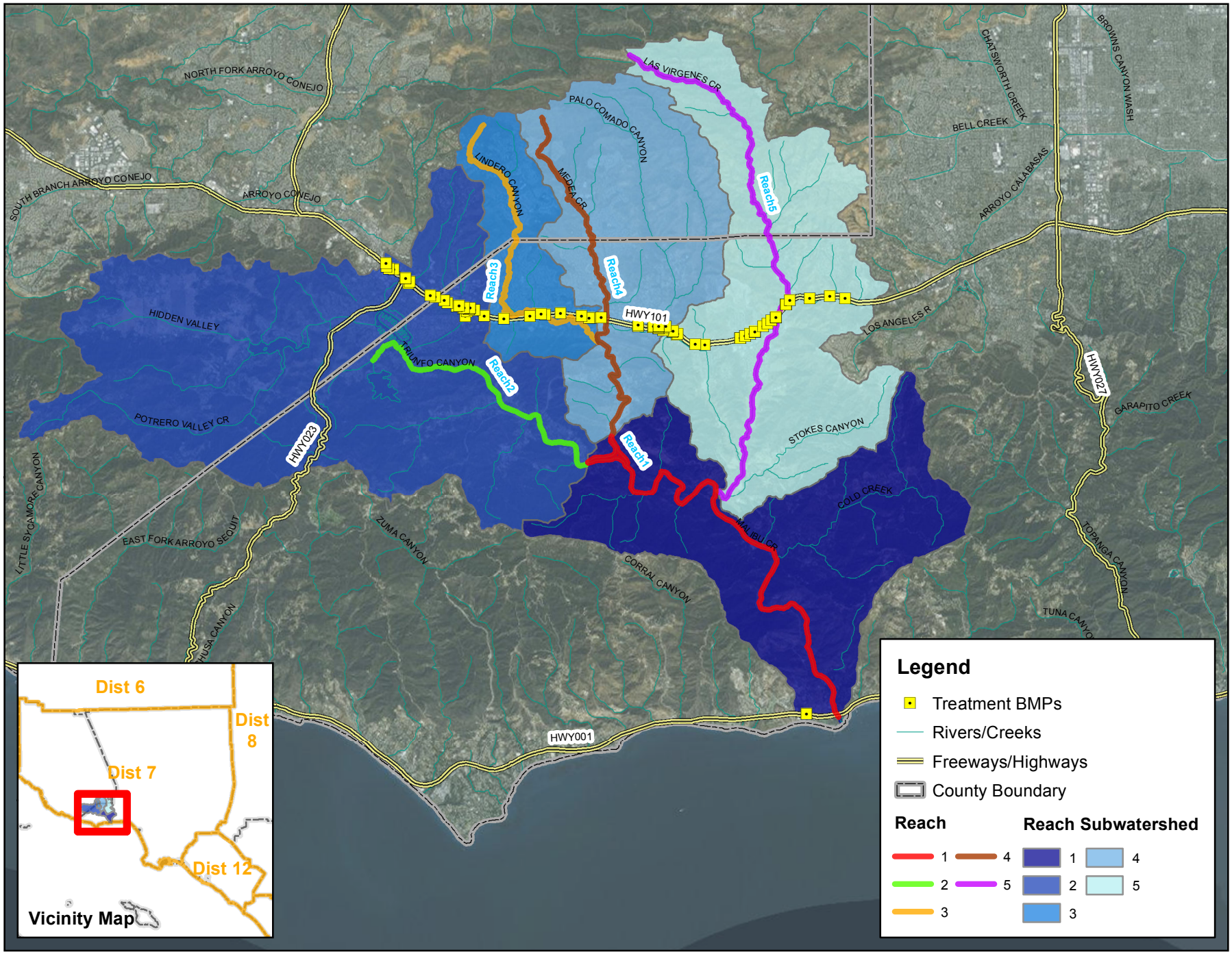
0 2.5 5 10 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Mad River

Sediment and Turbidity TMDL

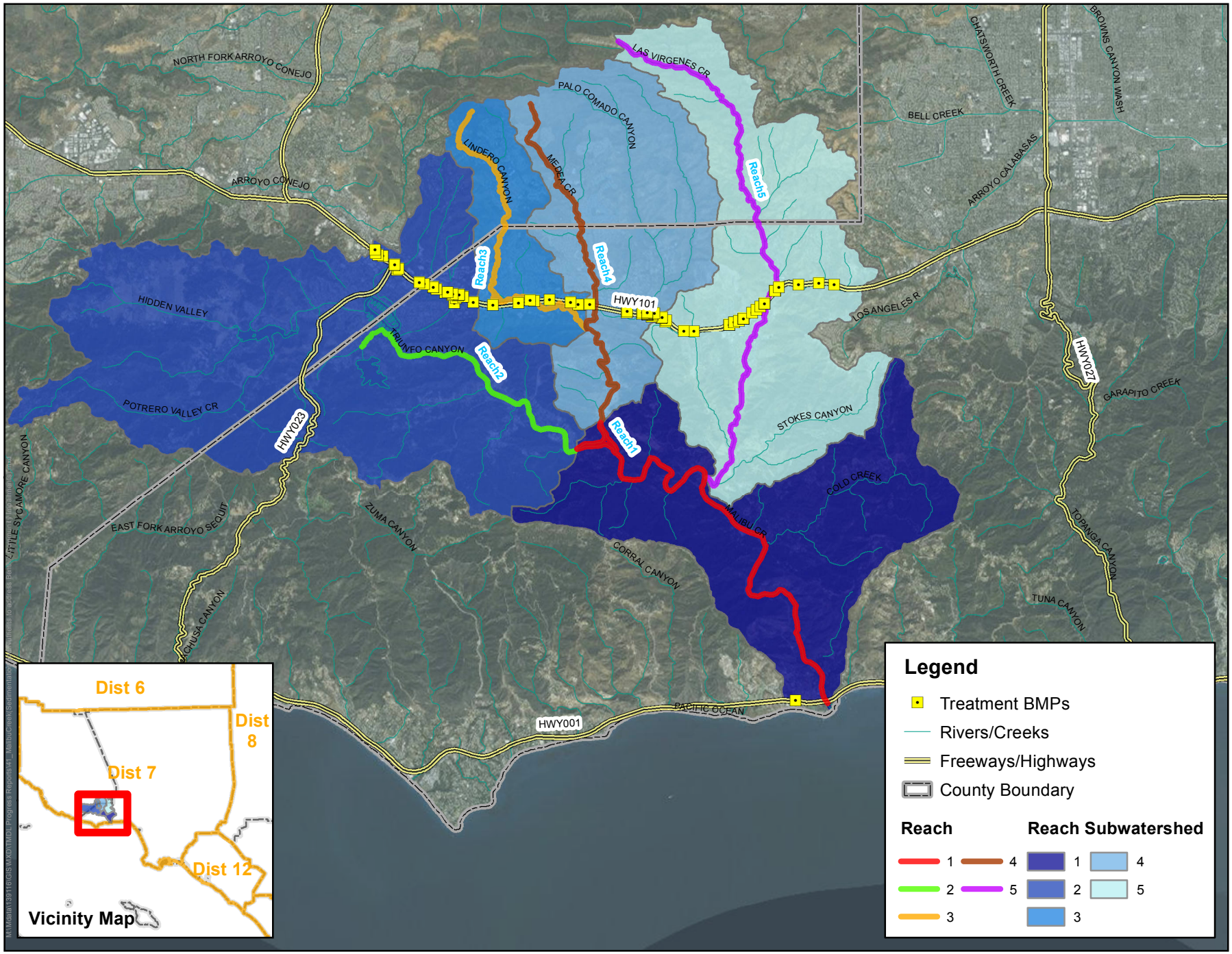


Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Malibu Creek Watershed

Bacteria TMDL



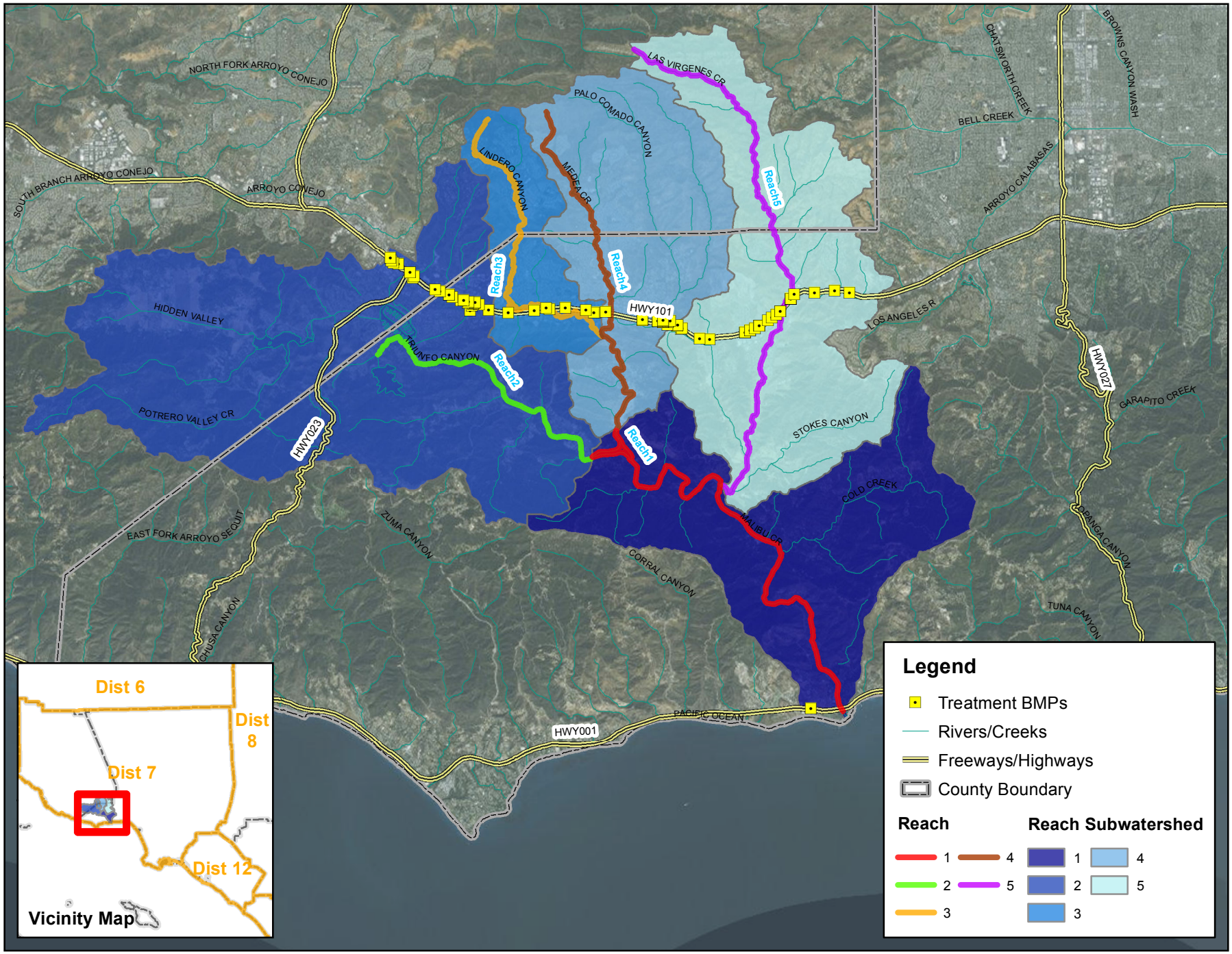
0 1 2 4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Malibu Creek and Lagoon

Sedimentation and Nutrients to address Benthic Community Impairments TMDL



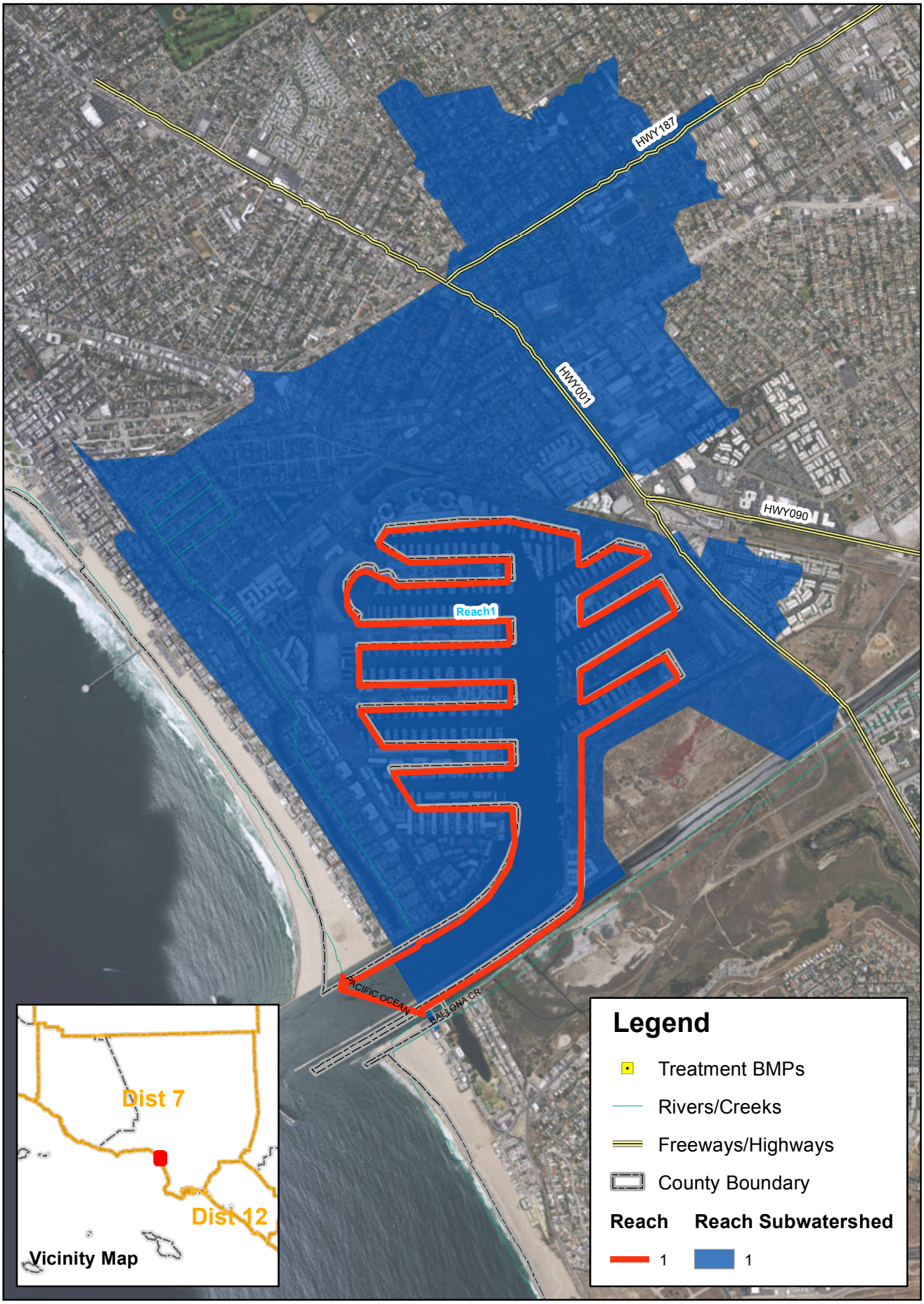
0 1 2 4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Malibu Creek

Trash TMDL



Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Marina del Rey Harbor

Toxic Pollutants (Cu, Pb, Zn, Chlordane and Total PCBs) TMDL

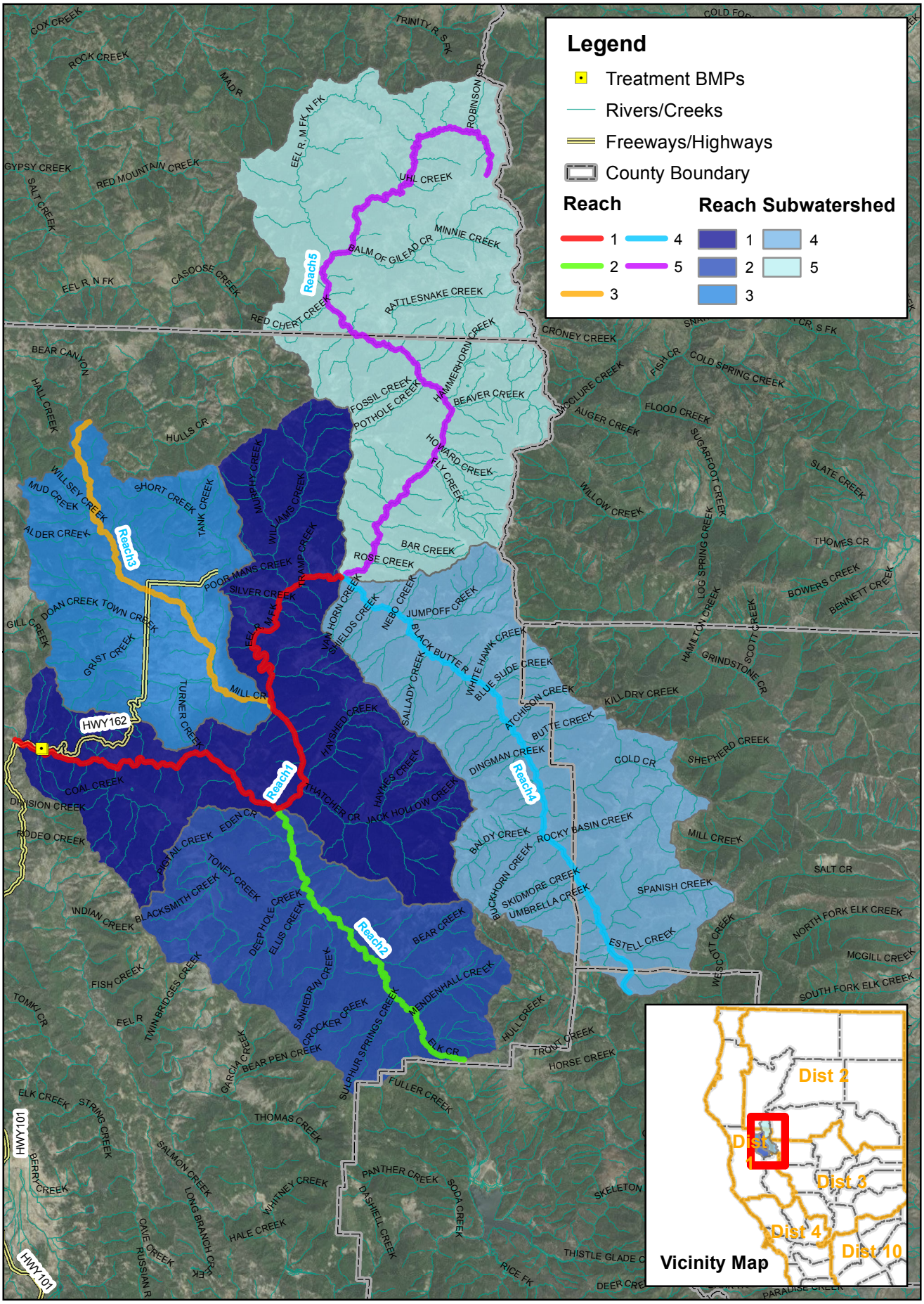
0 0.2 0.4 0.8 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Marina del Rey Harbor Mothers' Beach and Back Basins

Bacteria TMDL



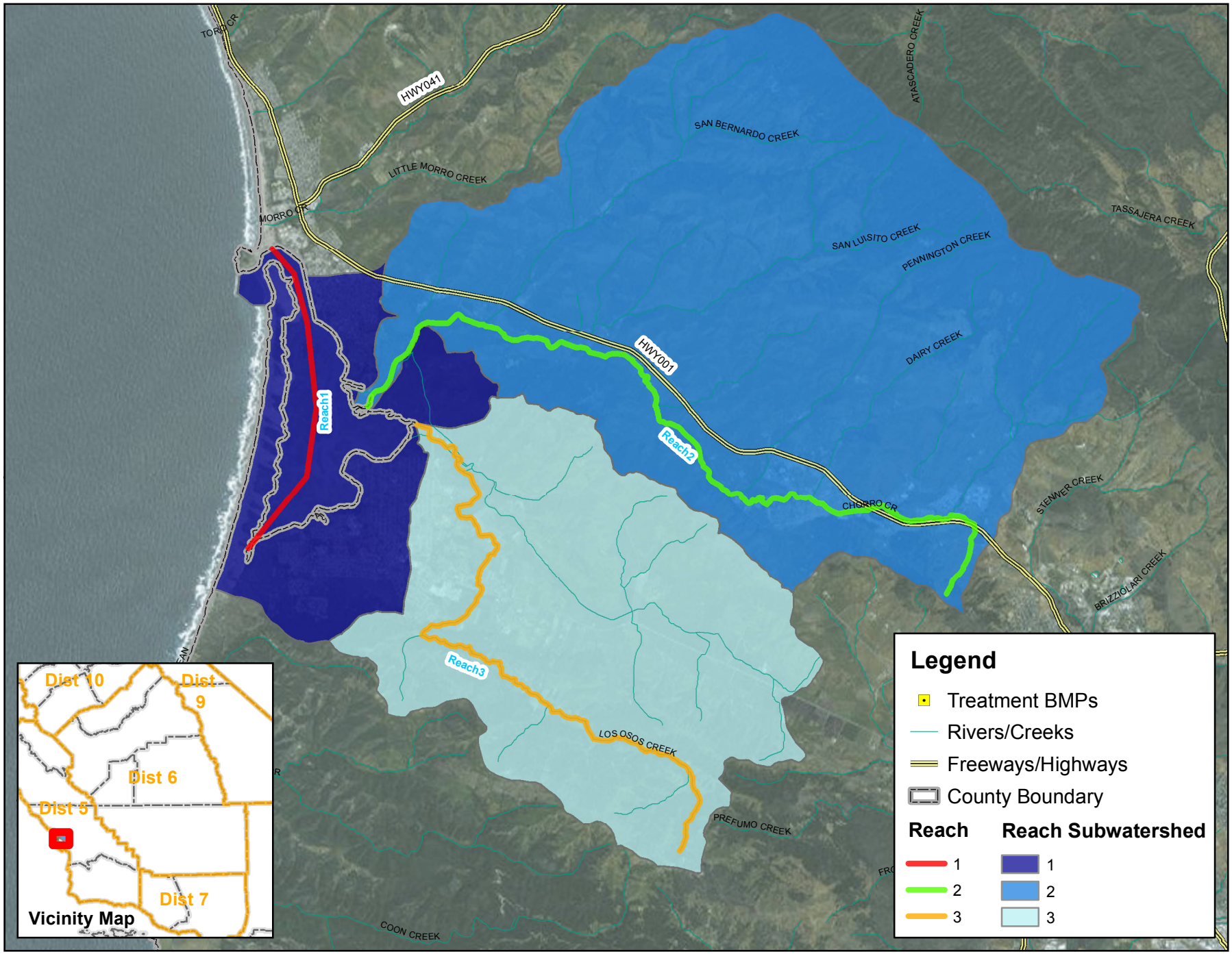
0 2.5 5 10 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Middle Fork Eel River

Temperature and Sediment TMDL



Caltrans

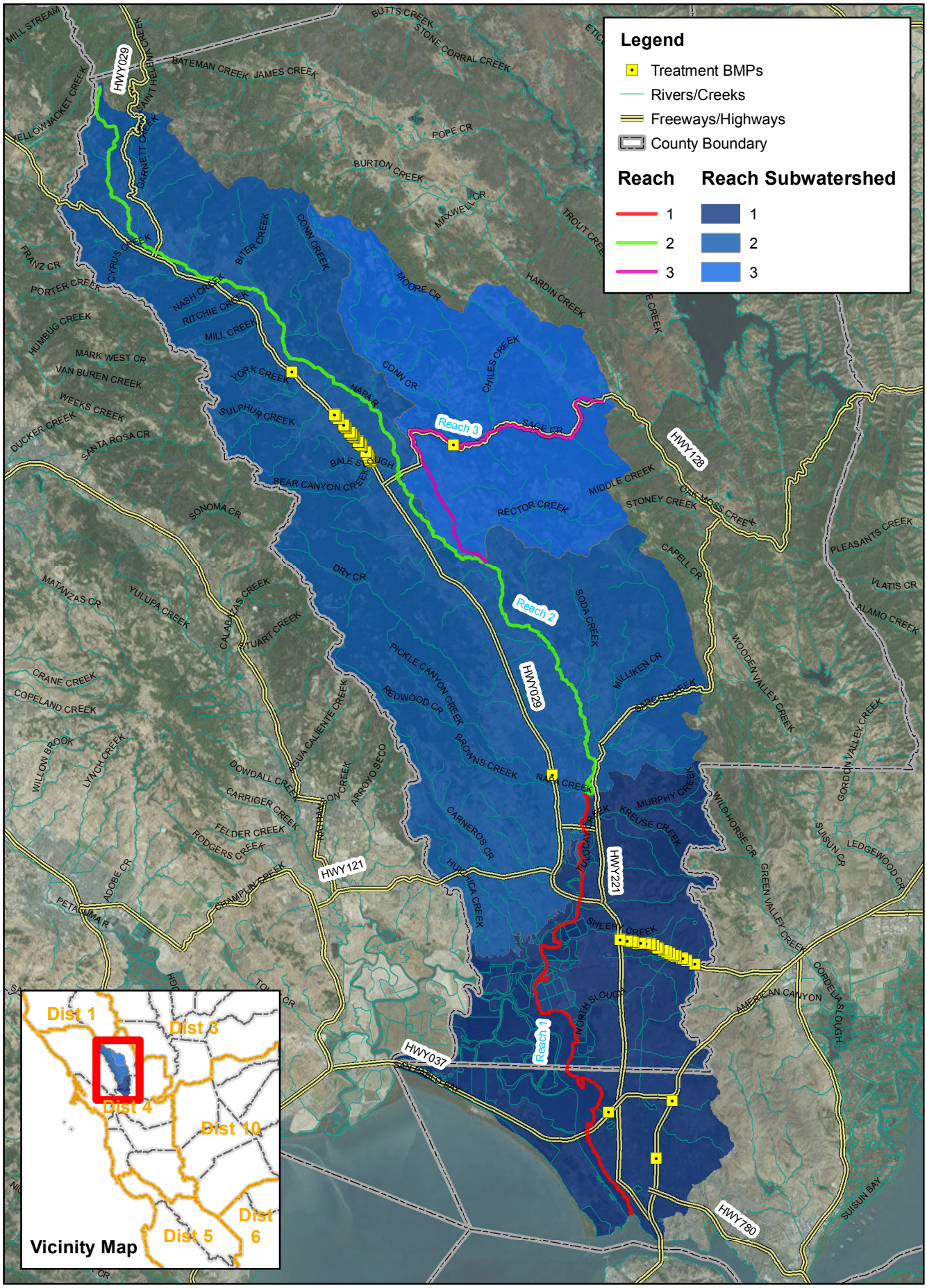
0 1 2 4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Morro Bay (includes Chorro Creek, Los Osos Creek and the Morro Bay Estuary)

Sediment TMDL

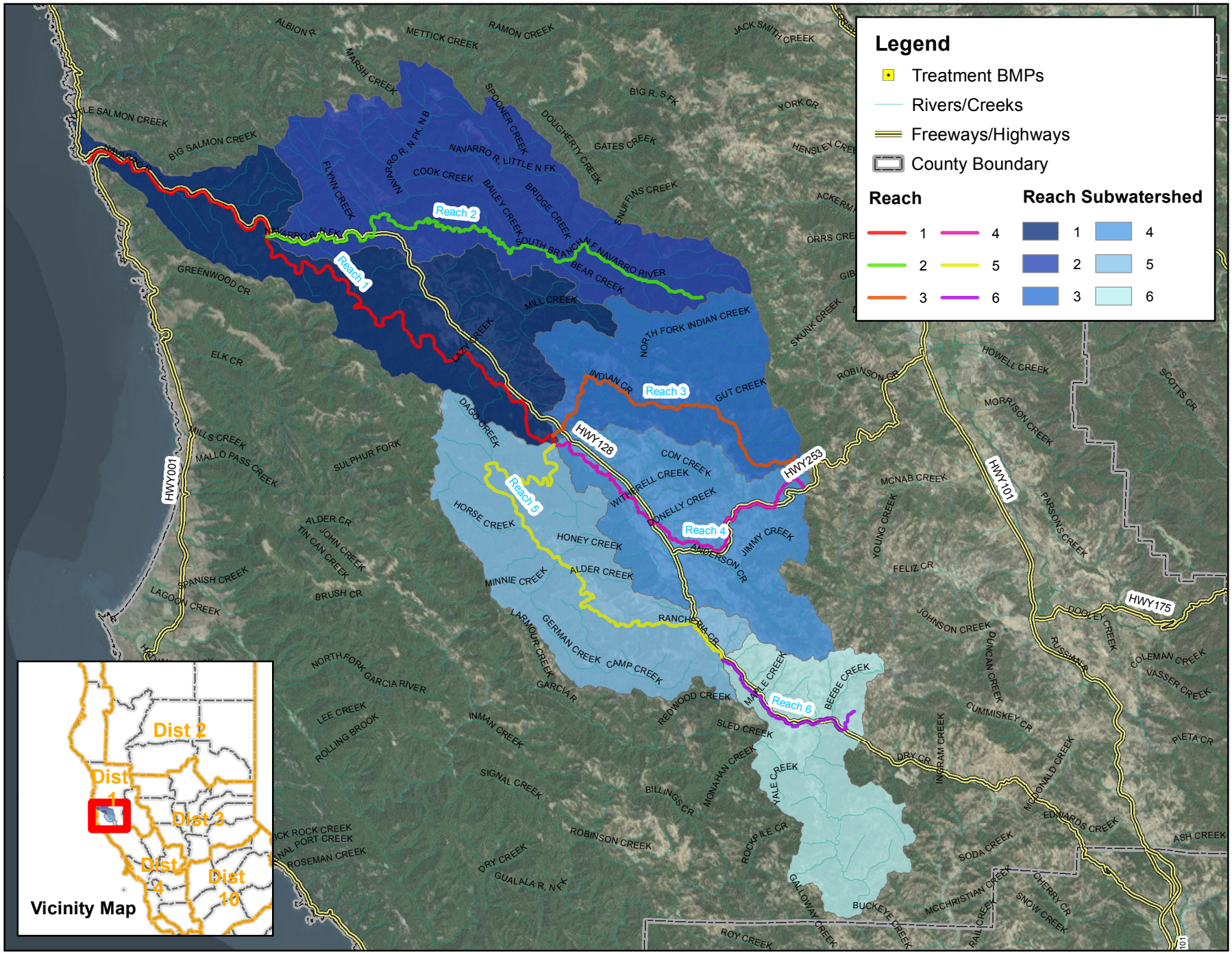


Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Napa River

Sediment TMDL



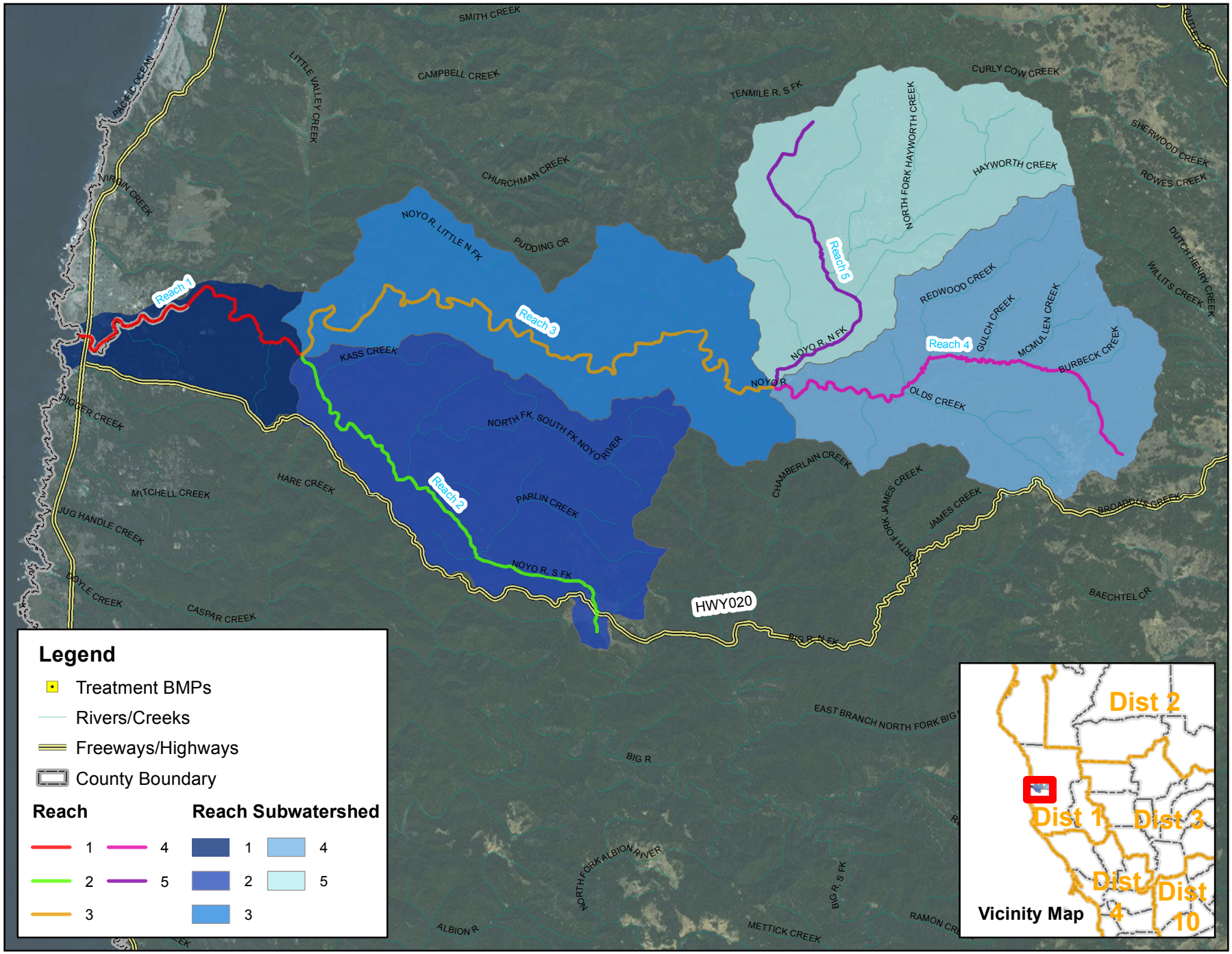
0 2 4 8 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Navarro River

Temperature and Sediment TMDL

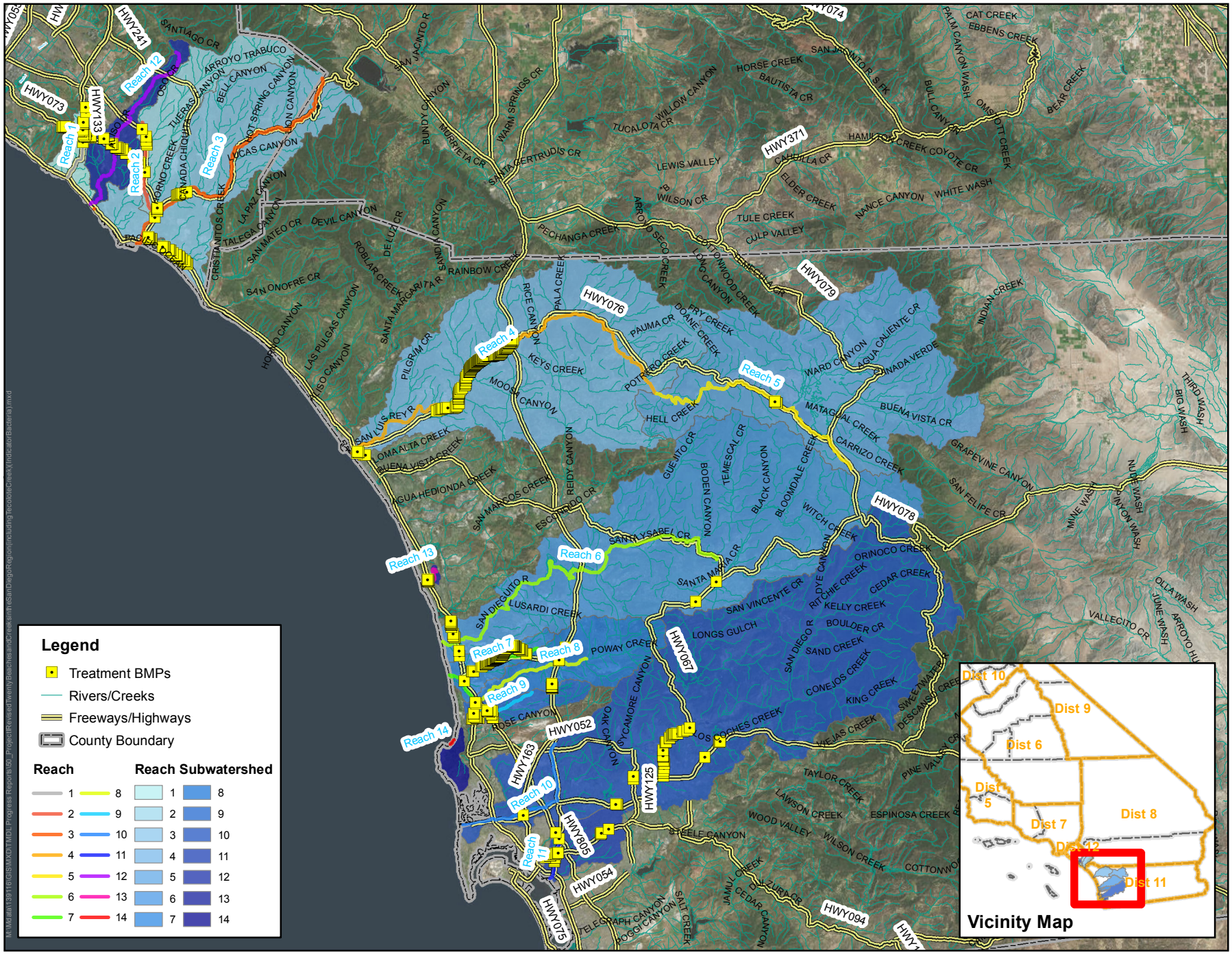


Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Noyo River

Sediment TMDL



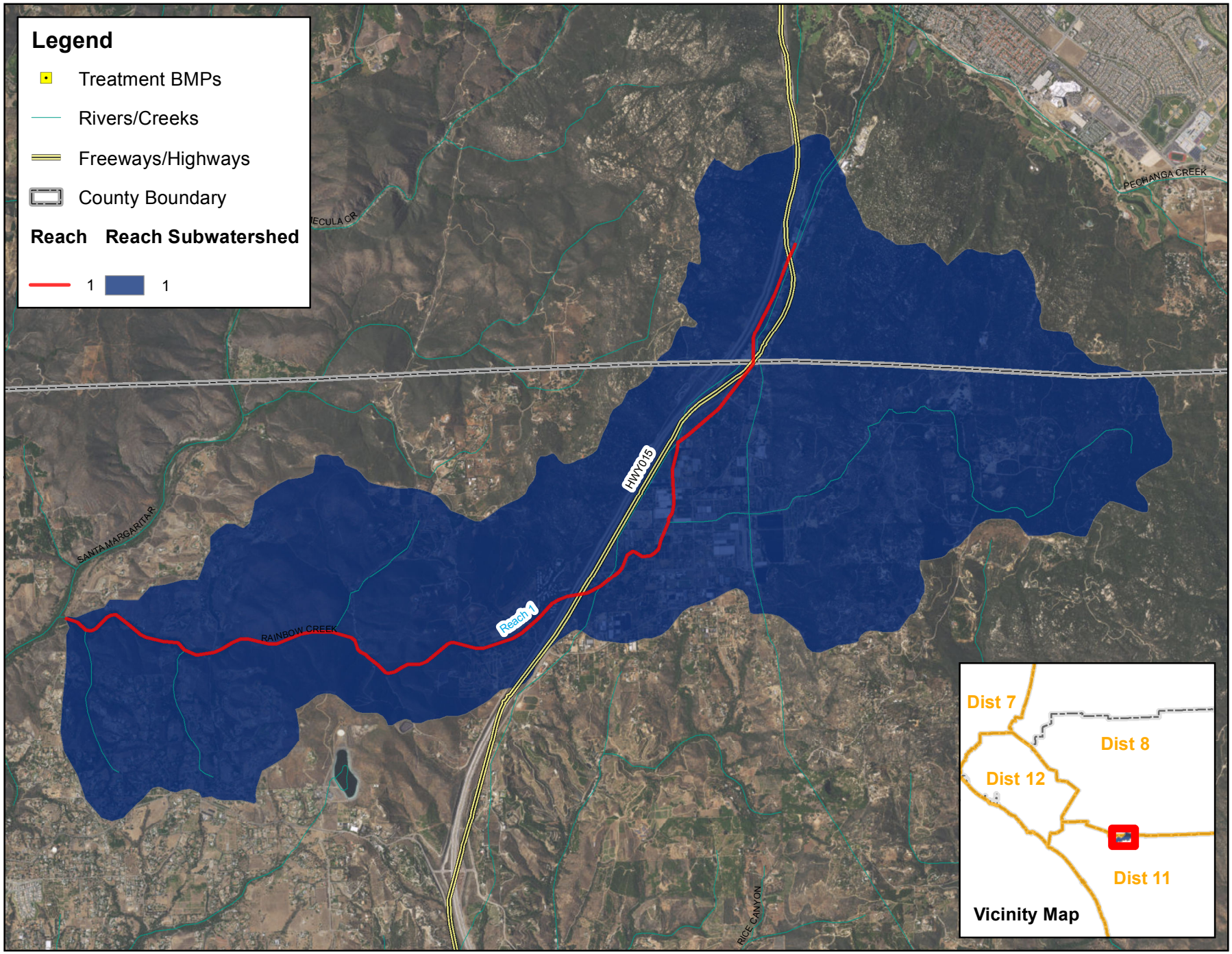
0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Project I - Revised Twenty Beaches and Creeks in the San Diego Region (including Tecolote Creek)

Indicator Bacteria TMDL



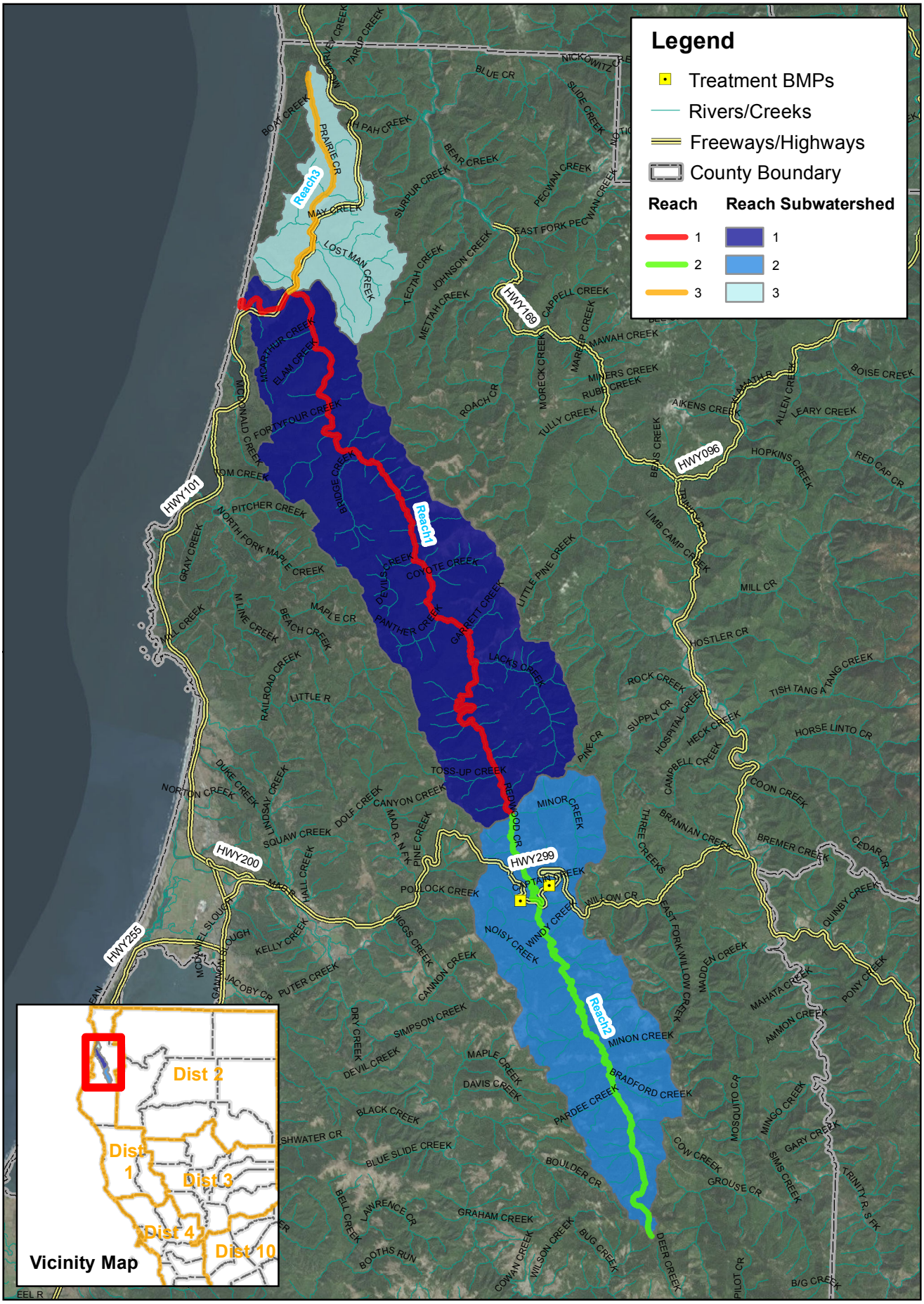
0 0.25 0.5 1 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Rainbow Creek

Total Nitrogen and Total Phosphorus TMDL



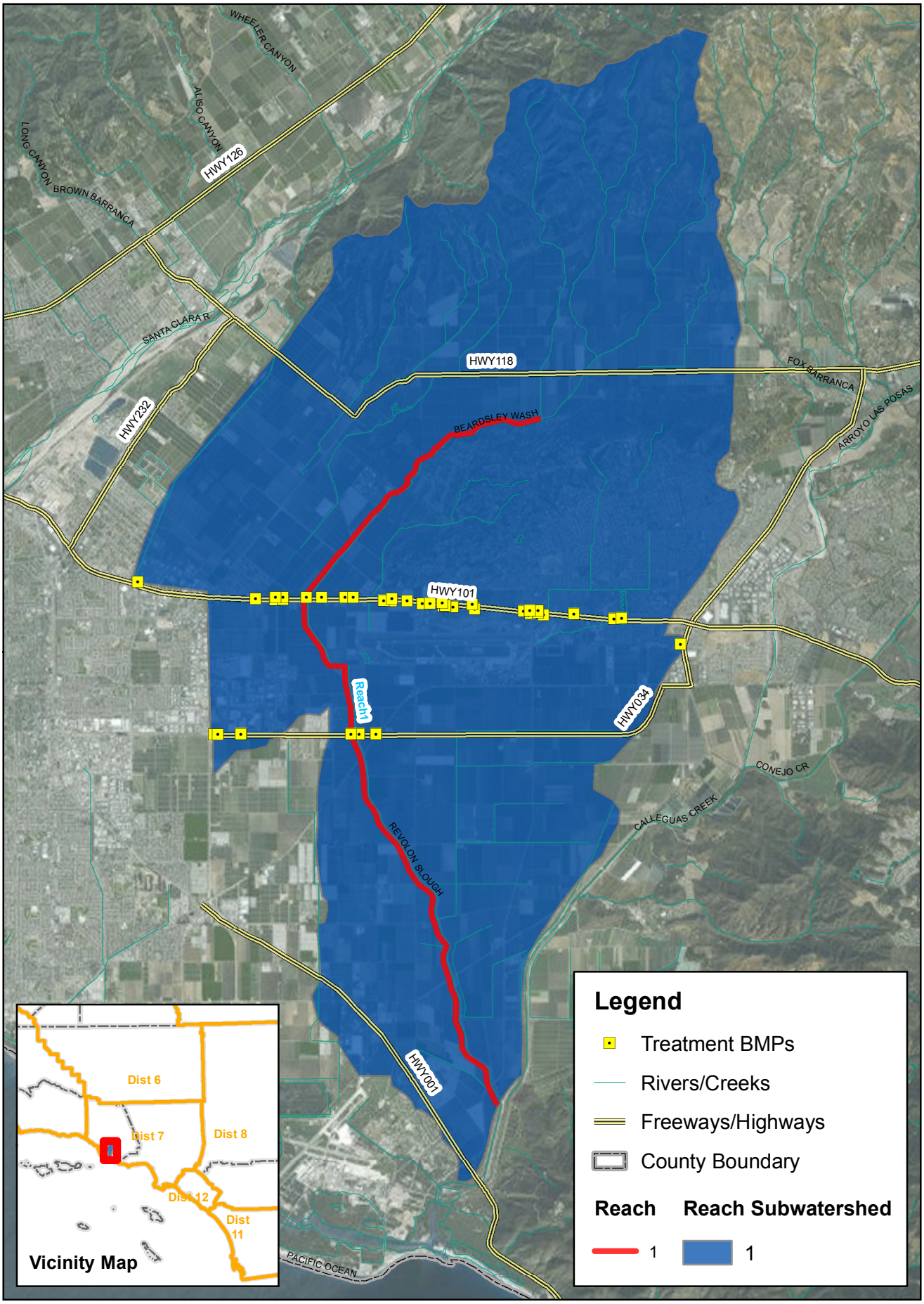
TMDL PROGRESS REPORT

0 2 4 8 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Redwood Creek

Sediment TMDL



0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Revolon Slough and Beardsley Wash

Trash TMDL

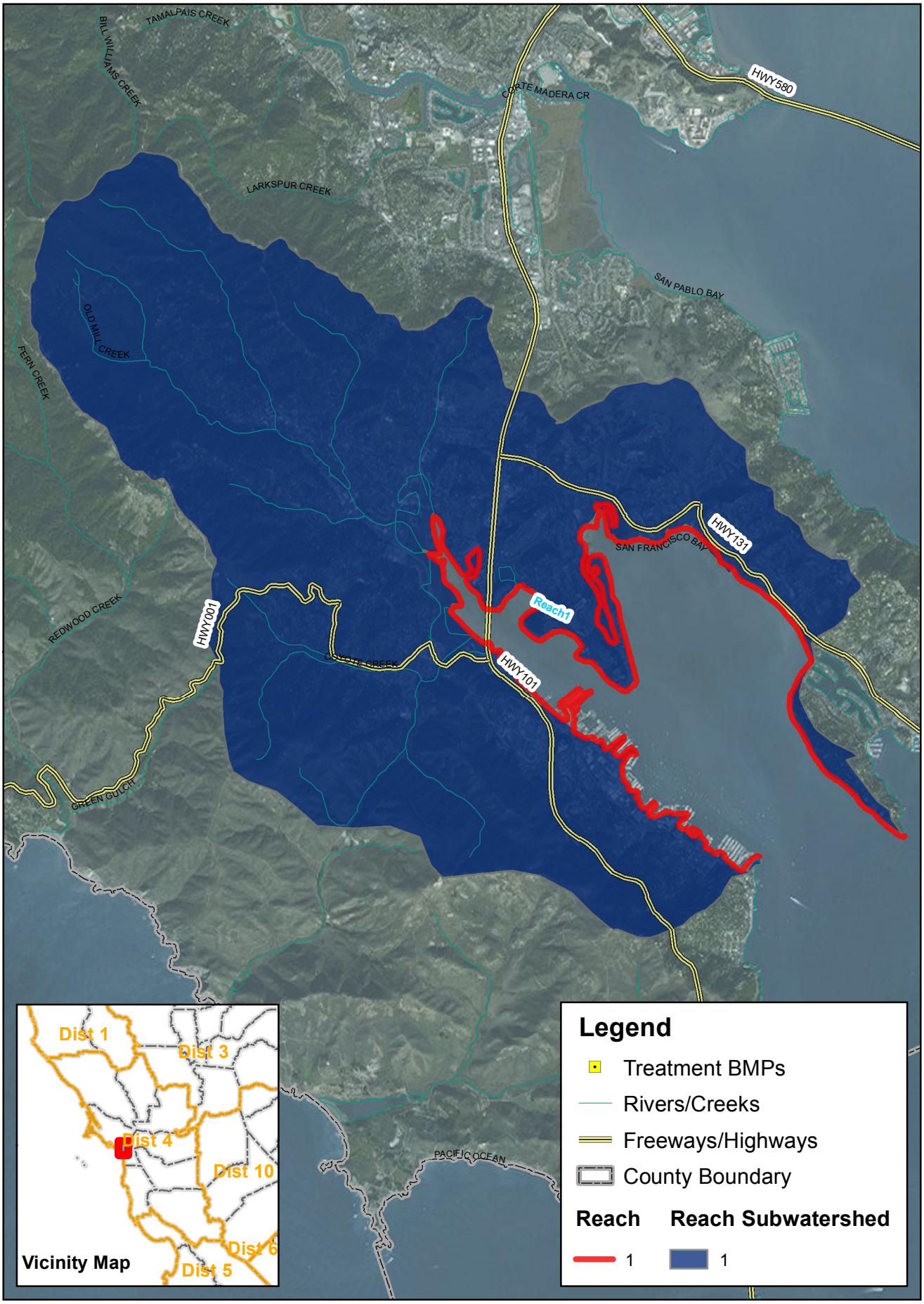
0 0.05 0.1 0.2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Rhine Channel Area of the Lower Newport Bay

Chromium and Mercury TMDL



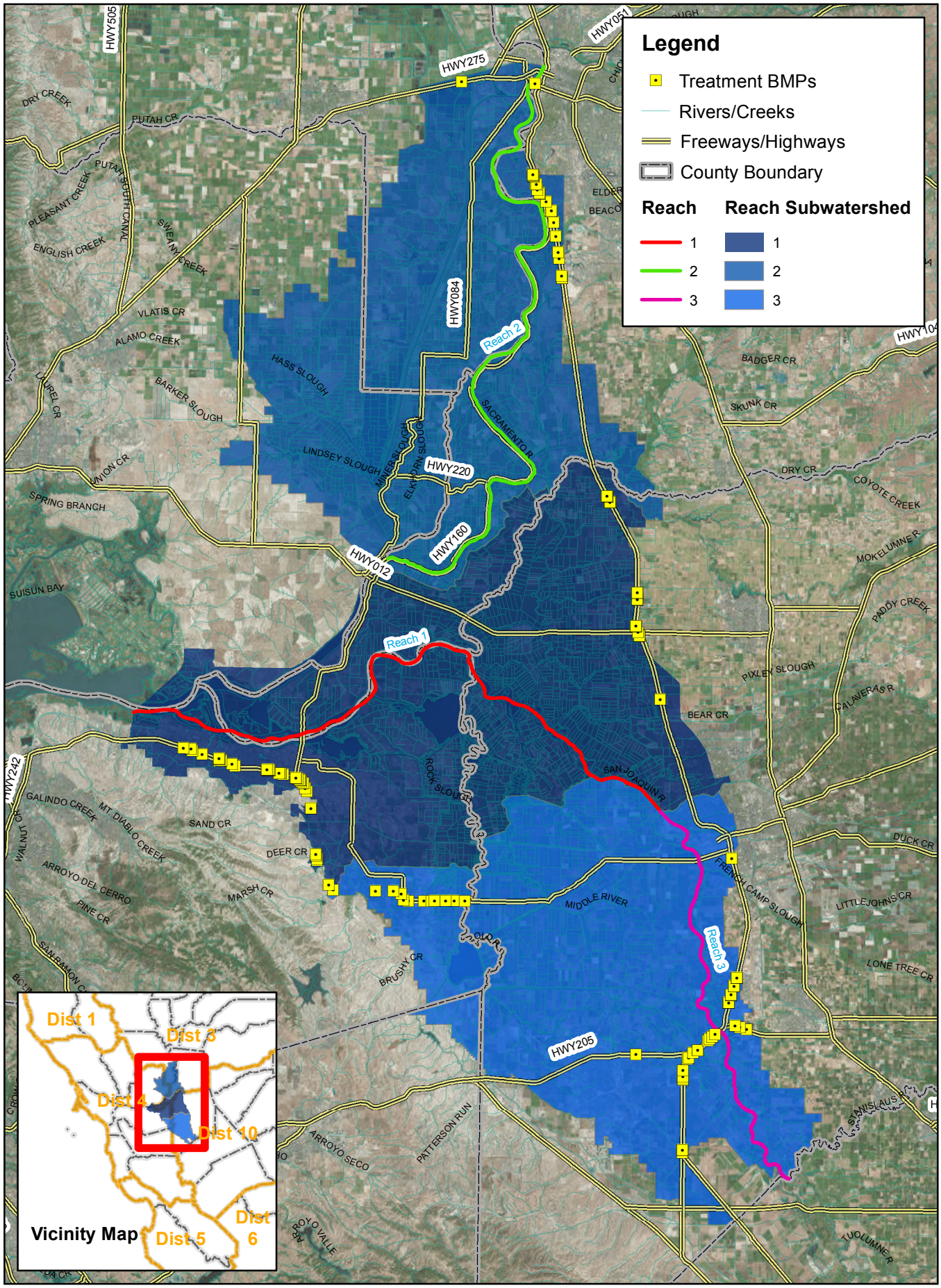
0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Richardson Bay

Pathogens TMDL



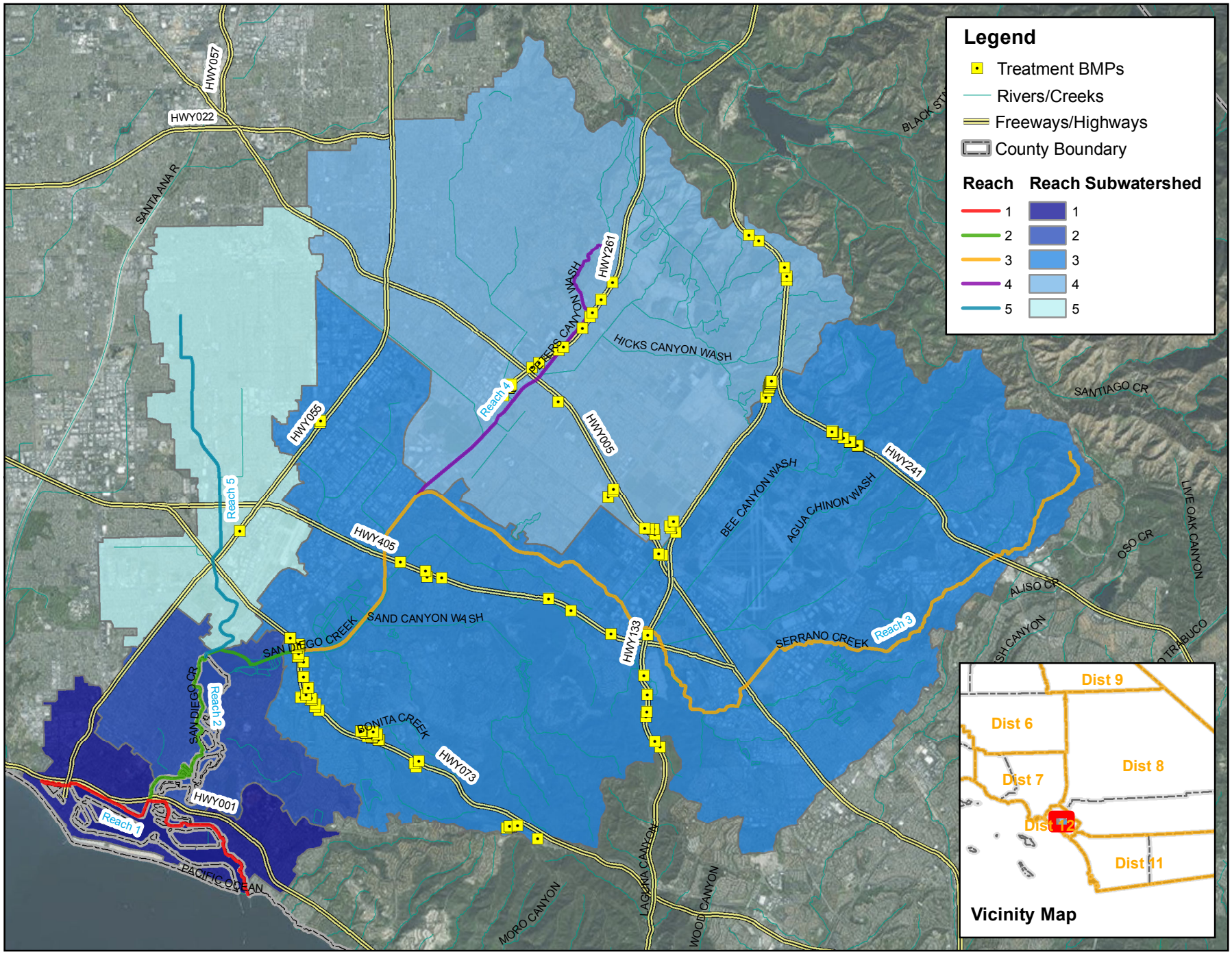
0 2 4 8 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Sacramento - San Joaquin River Delta Estuary

Methyl mercury TMDL



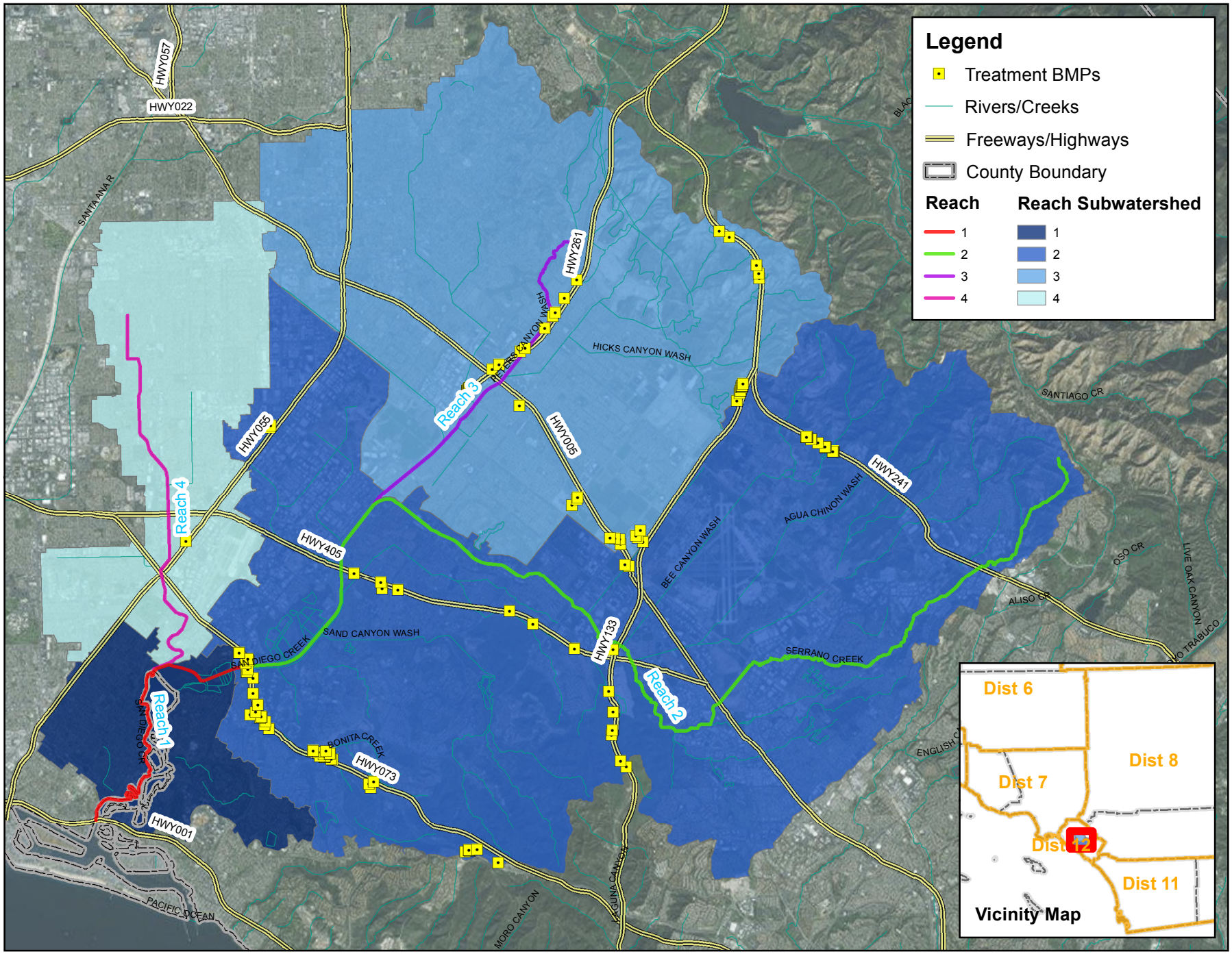
0 1 2 4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

San Diego Creek and Newport Bay, including Rhine Channel

Metals (Cu, Pb, and Zn) TMDL



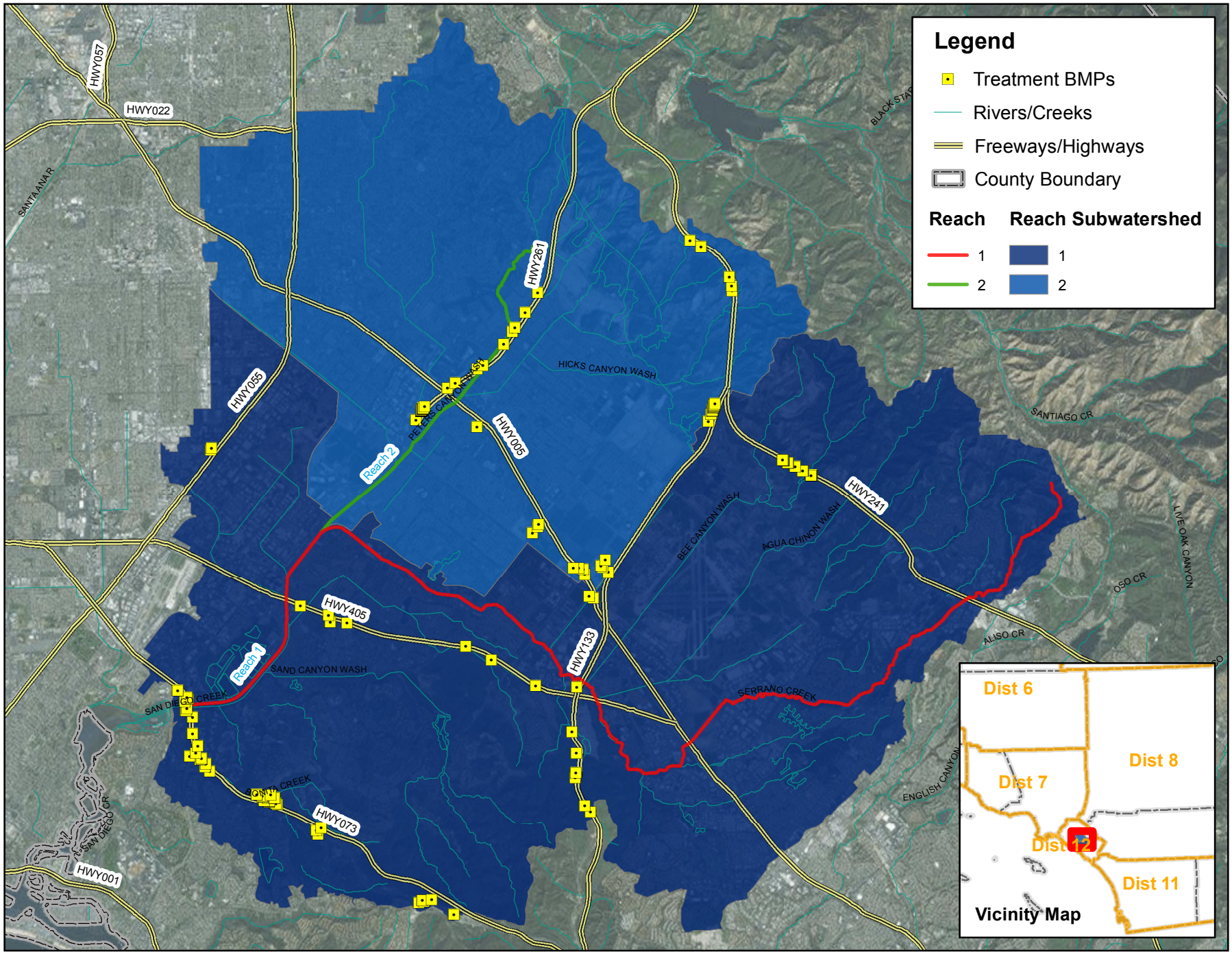
0 1 2 4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

San Diego Creek and Upper Newport Bay

Cadmium TMDL



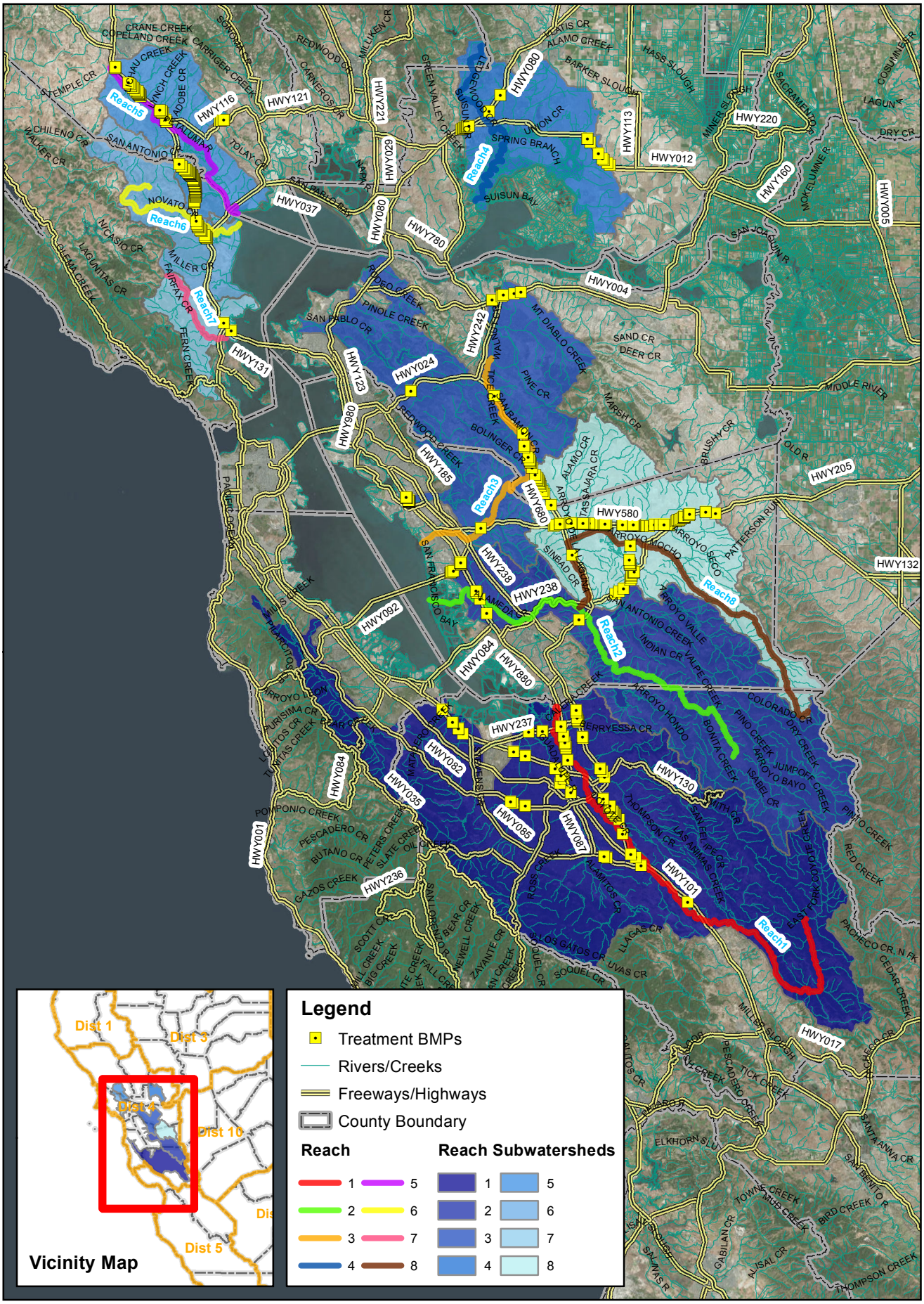
0 1 2 4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

San Diego Creek

Organochlorine Compounds (DDT, Chlordane, PCBs, and Toxaphene) TMDL



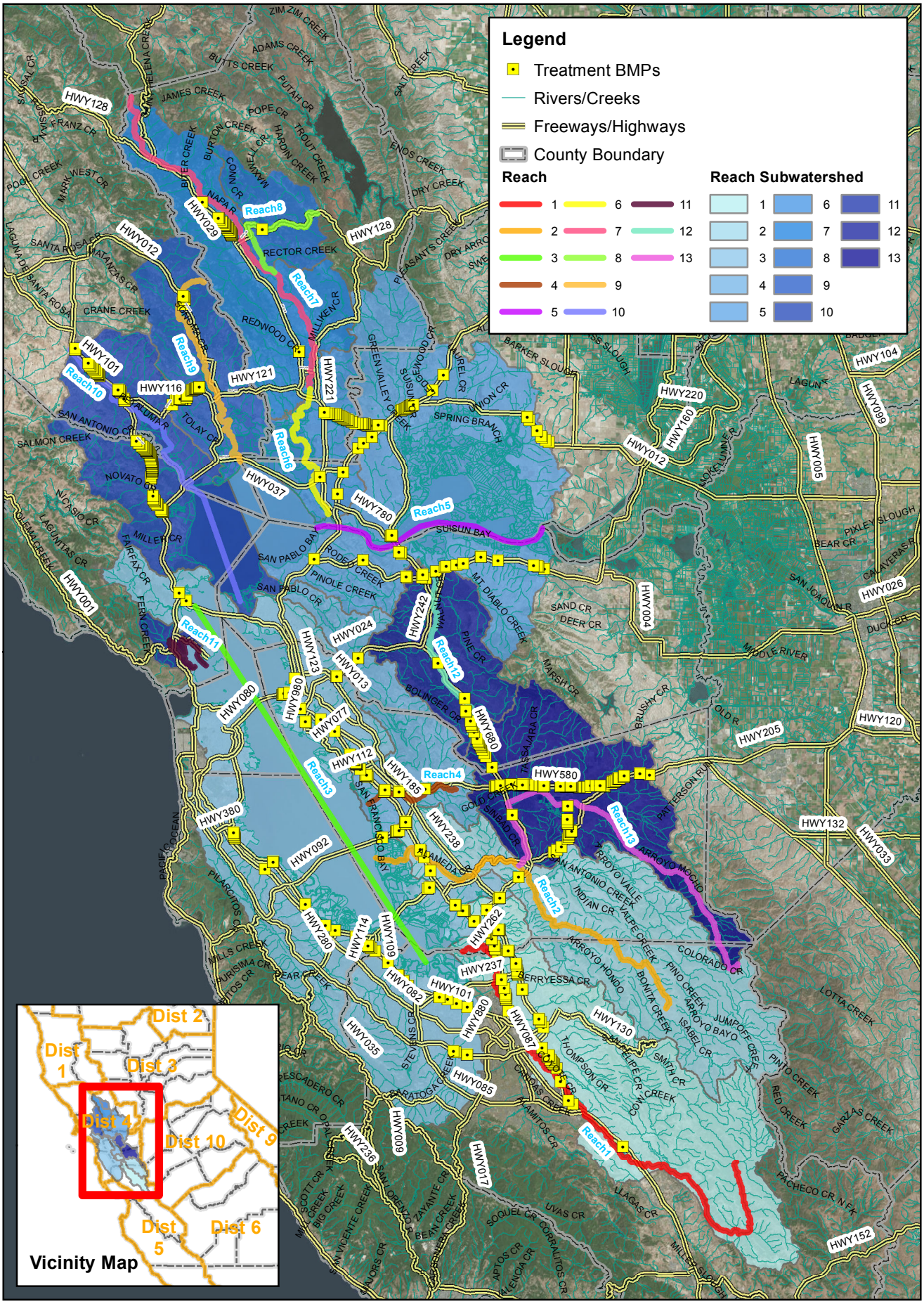
TMDL PROGRESS REPORT

0 4.25 8.5 17 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

San Francisco Bay and Urban Creeks

Diazinon and Pesticide Toxicity TMDL



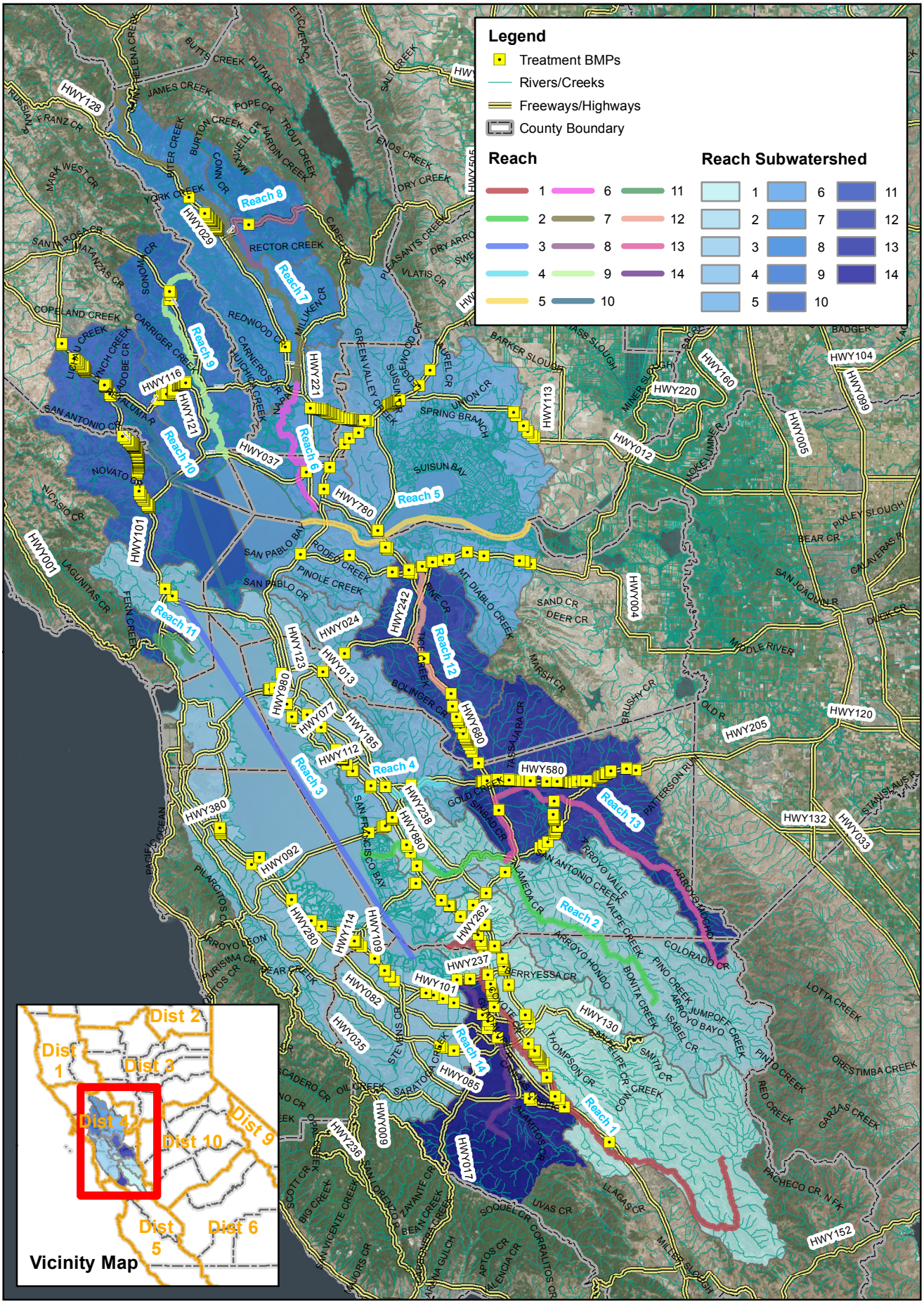
TMDL PROGRESS REPORT

0 5 10 20 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

San Francisco Bay

Mercury TMDL



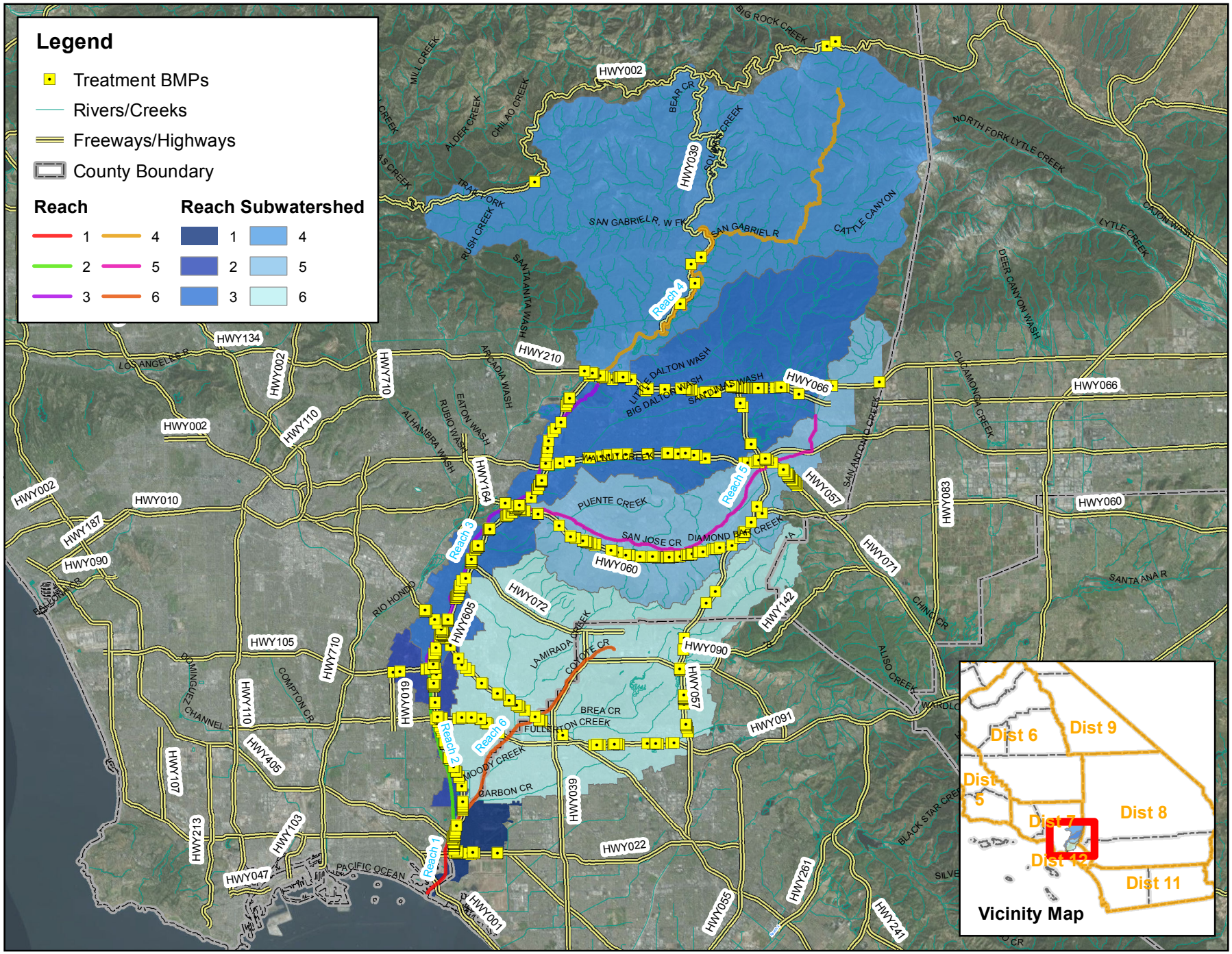
TMDL PROGRESS REPORT

0 5 10 20 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

San Francisco Bay

PCBs TMDL



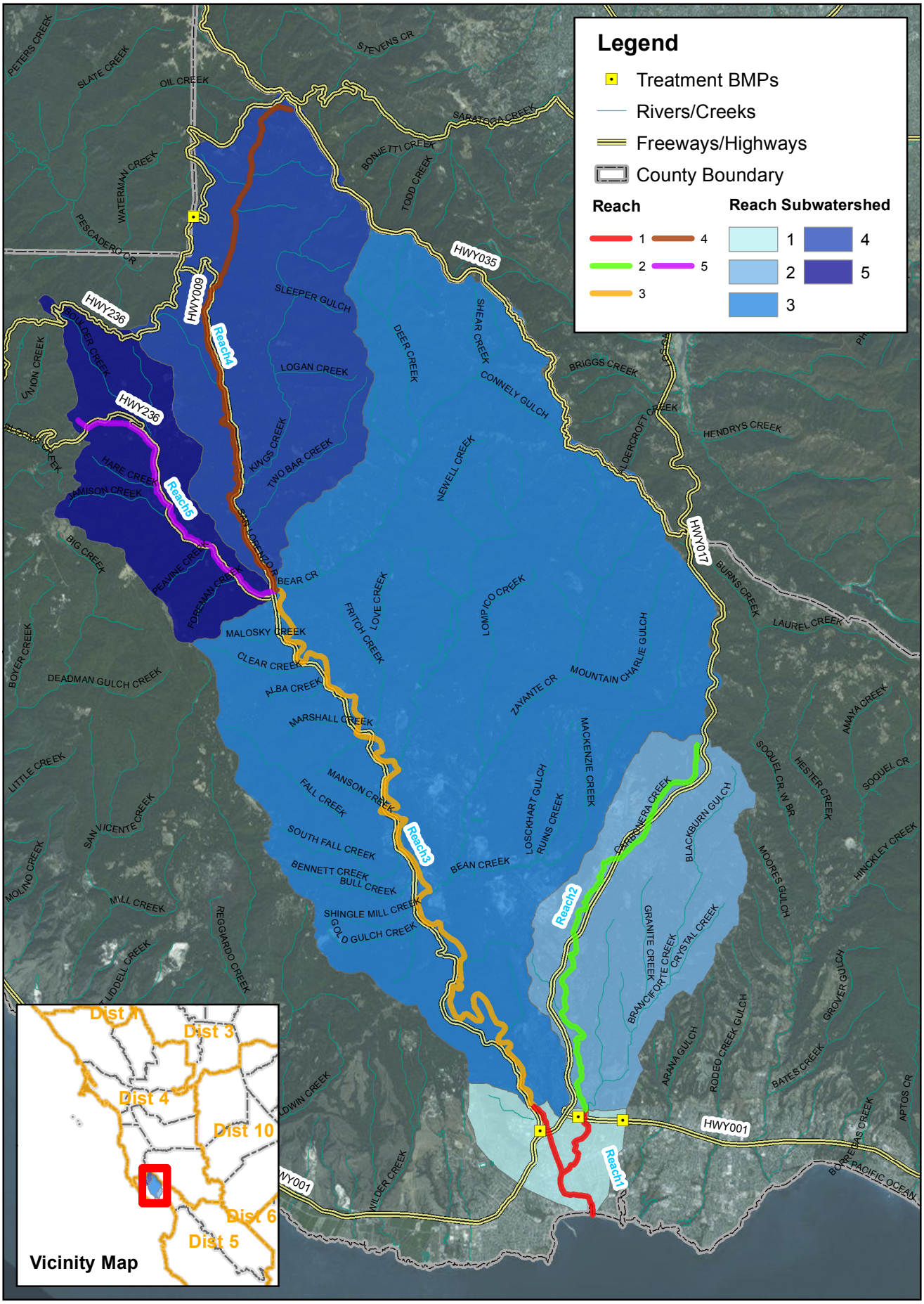
0 2.5 5 10 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

San Gabriel River

Metals (Cu, Pb, Zn) and Selenium TMDL



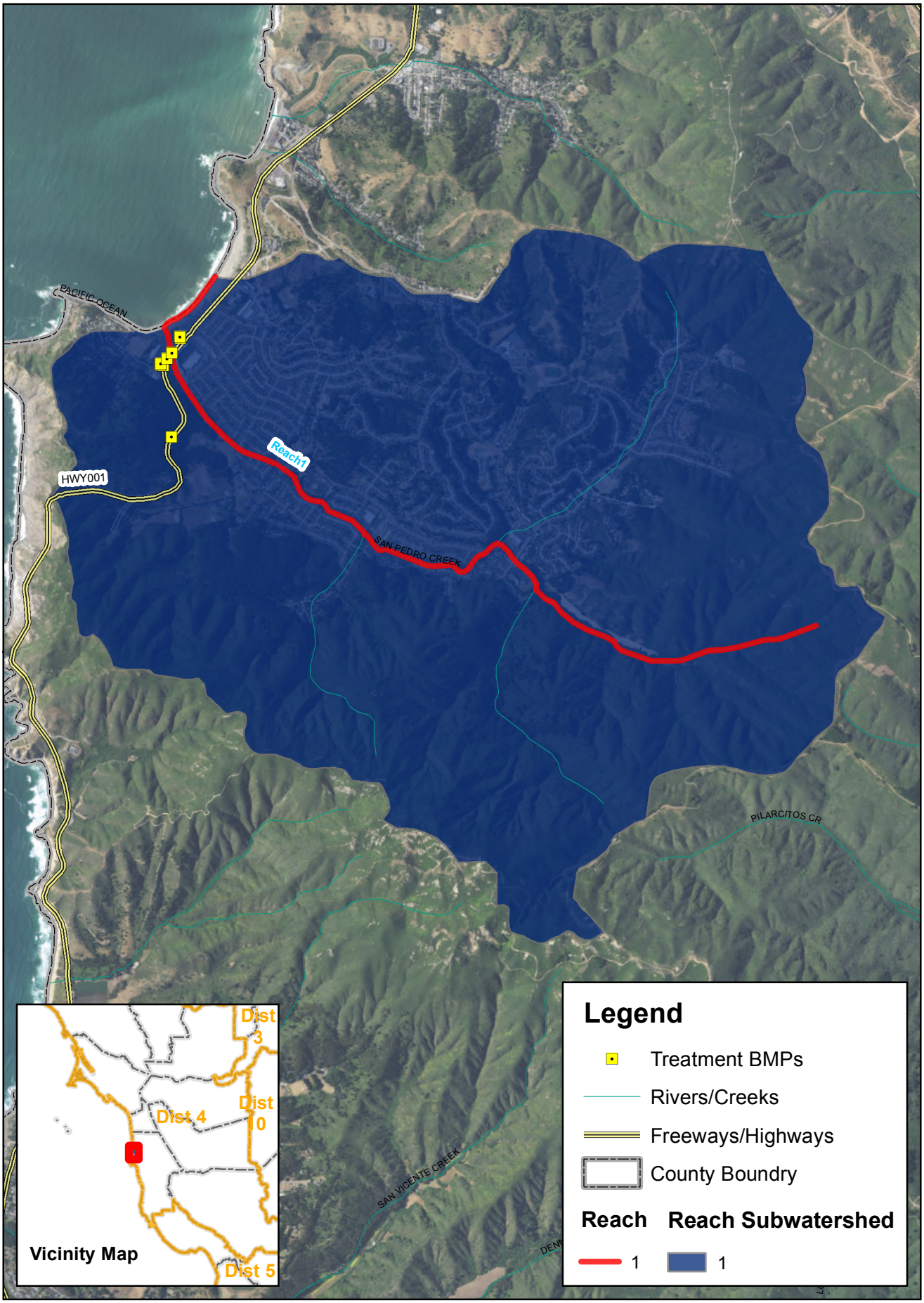
0 1 2 4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

San Lorenzo River (includes Carbonera, Lompico, and Shingle Mill Creeks)

Sediment TMDL



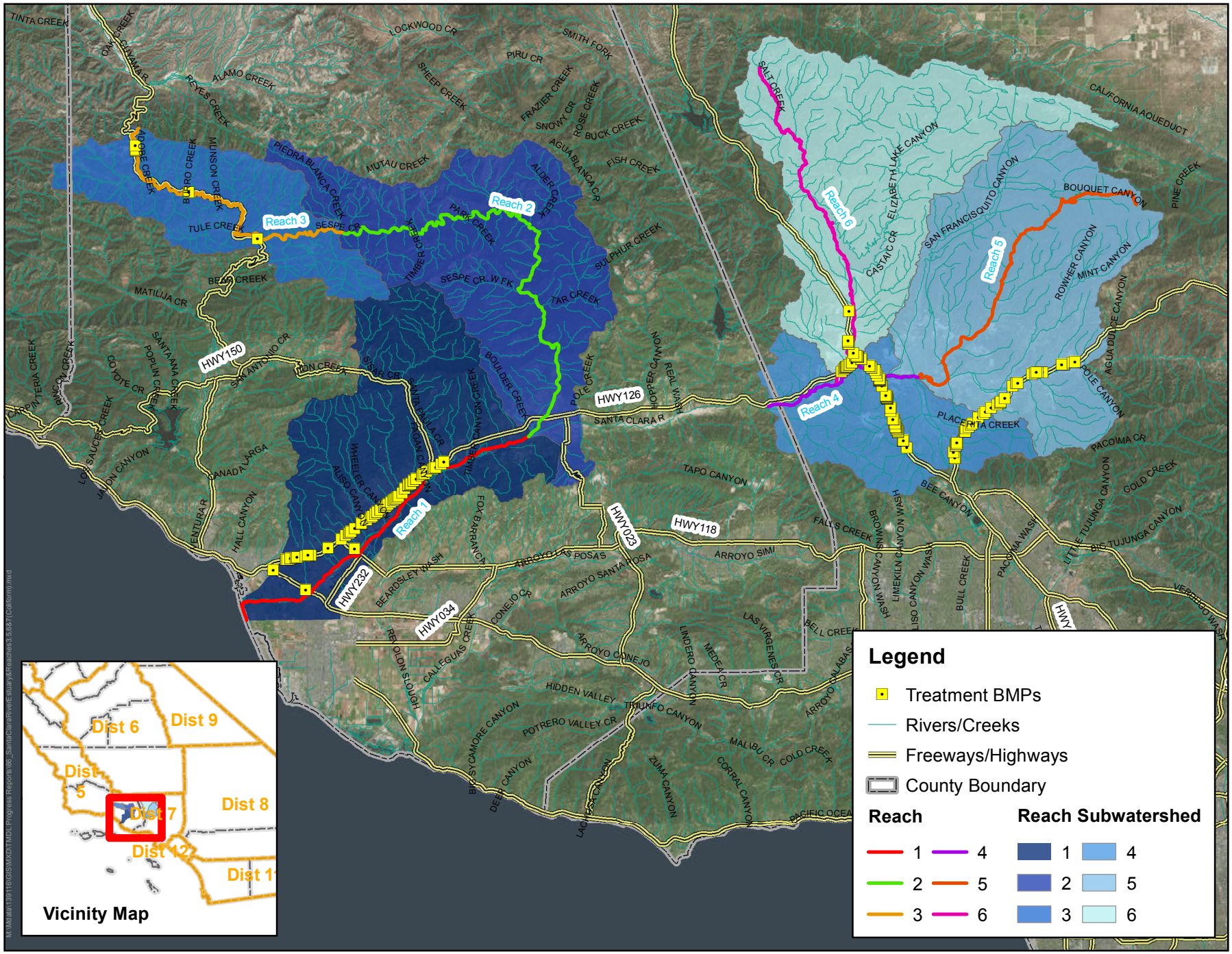
TMDL PROGRESS REPORT

0 0.25 0.5 1 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

San Pedro and Pacifica State Beach

Bacteria TMDL



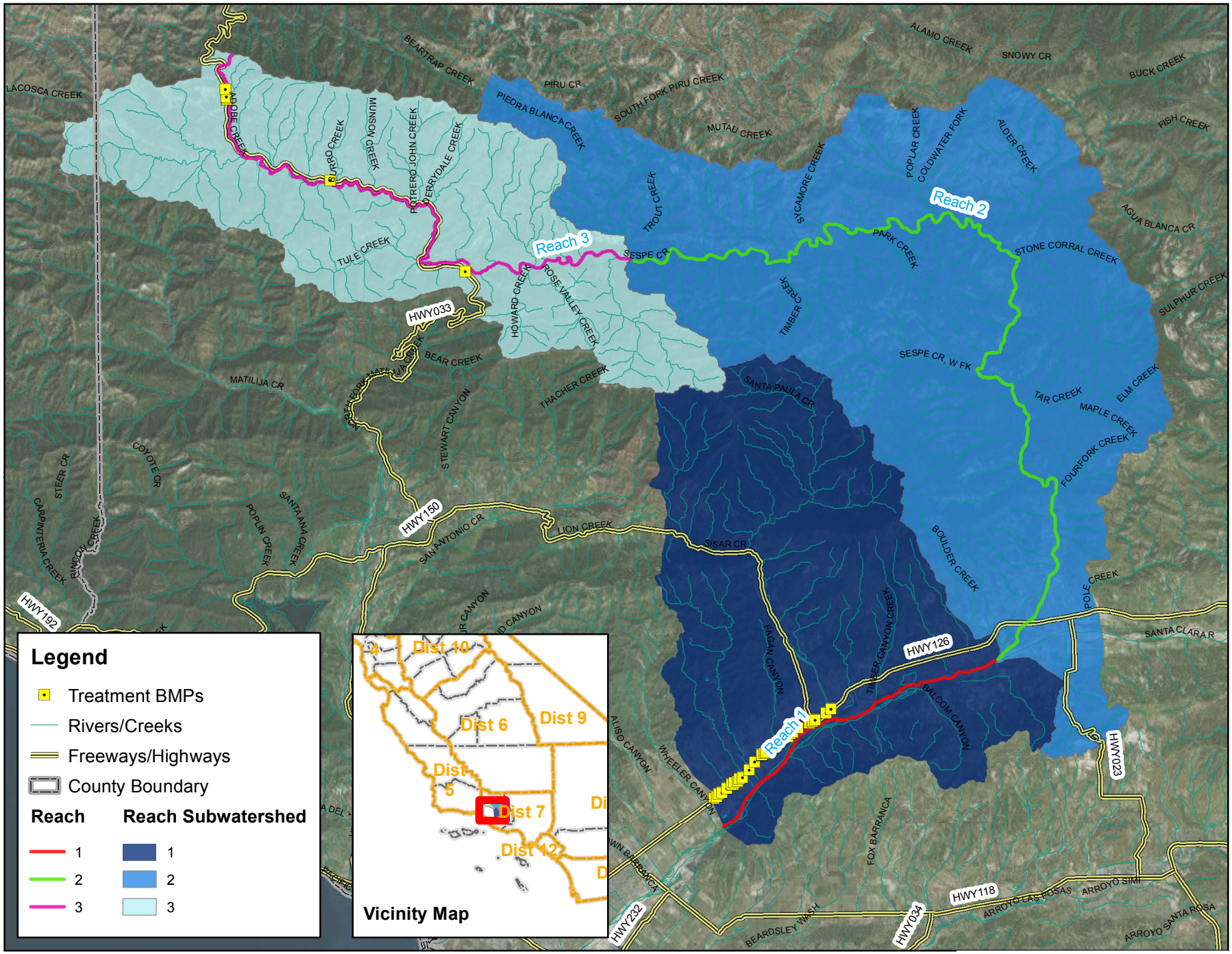
0 2.5 5 10 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Santa Clara River Estuary and Reaches 3,5,6 & 7

Coliform TMDL



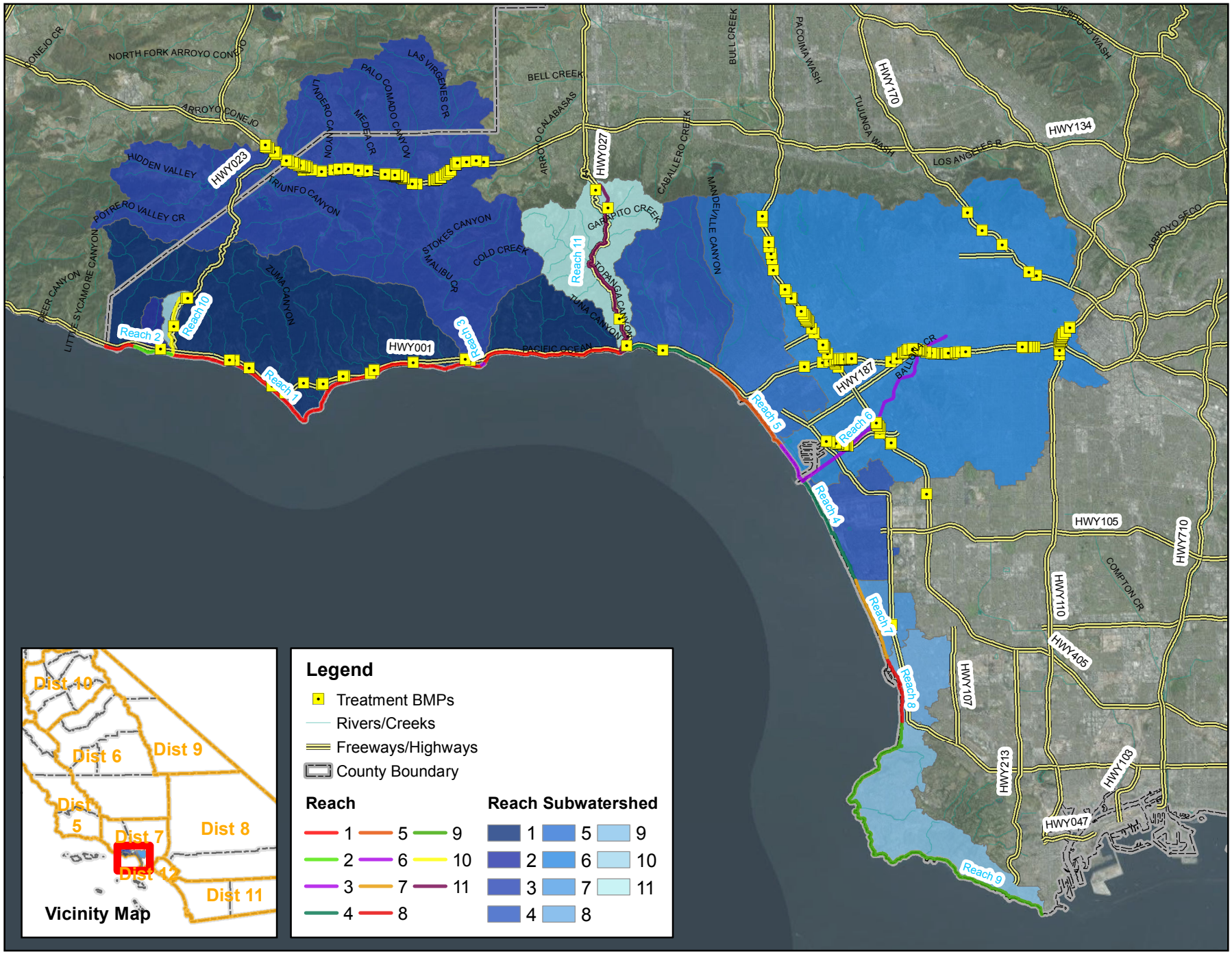
0 1.5 3 6 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Santa Clara River Reach 3

Chloride TMDL

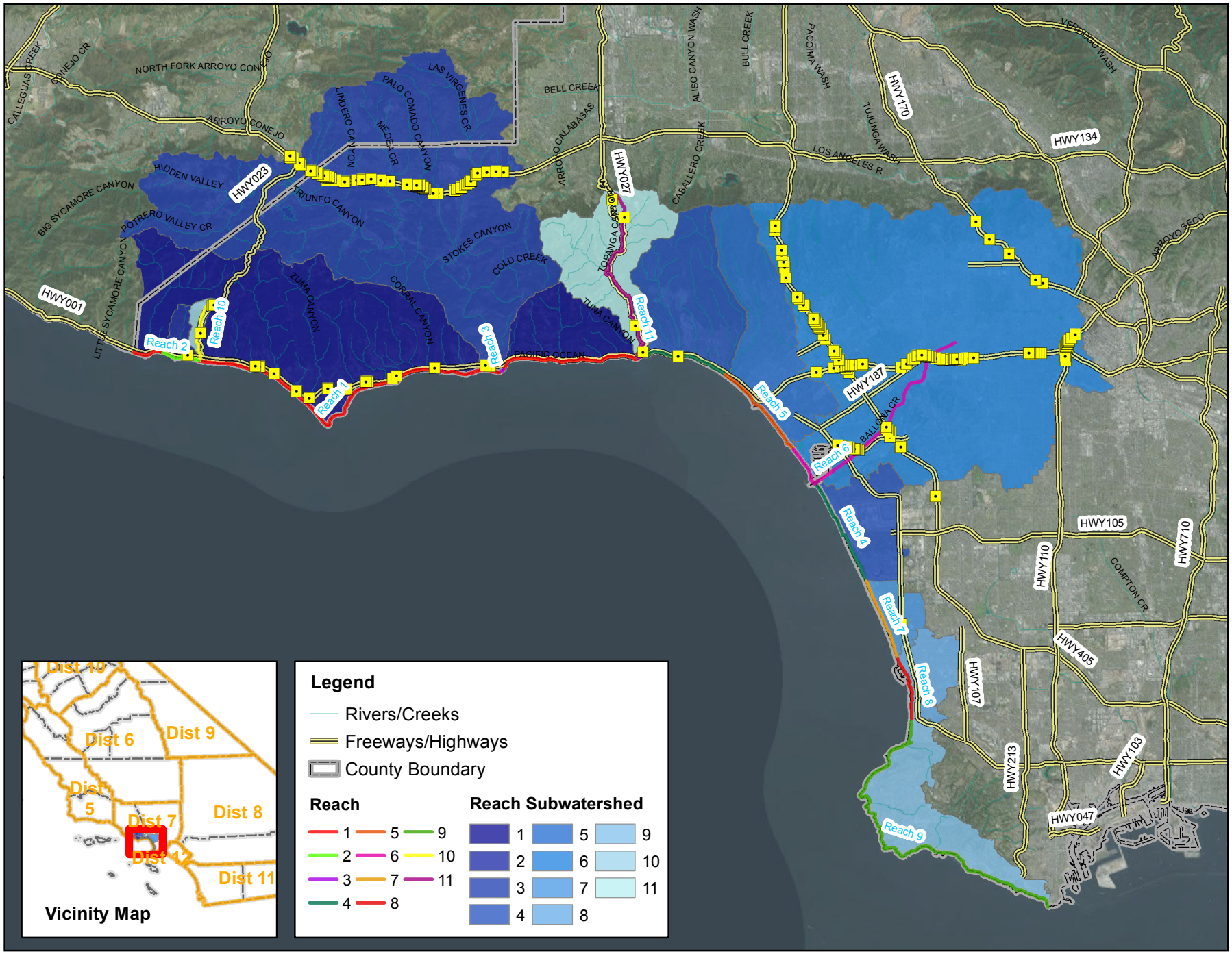


Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Santa Monica Bay

DDTs and PCBs TMDL

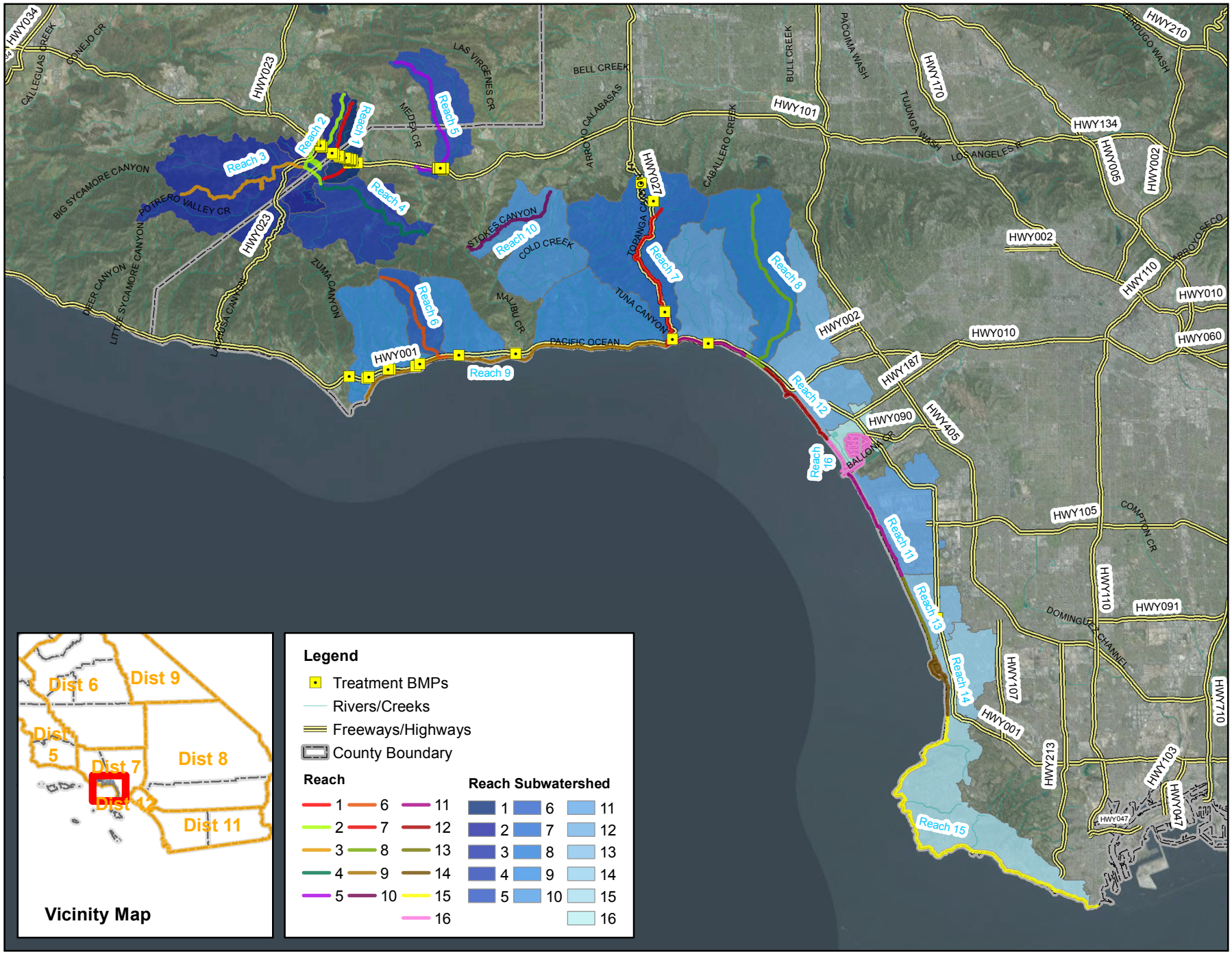


Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Santa Monica Bay Beaches

Bacteria TMDL



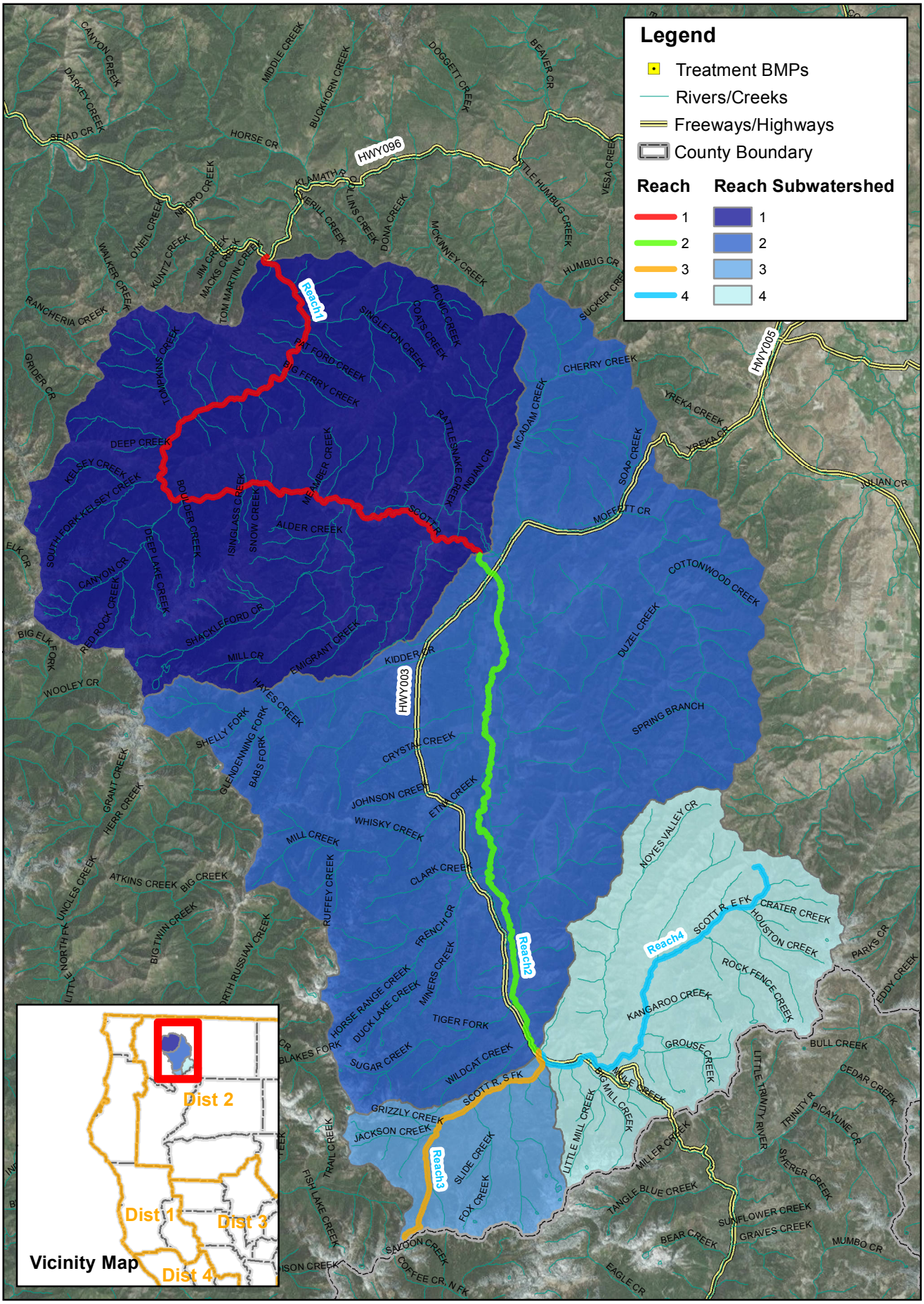
0 2 4 8 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Santa Monica Bay Nearshore & Offshore

Debris (Trash & Plastic Pellets) TMDL



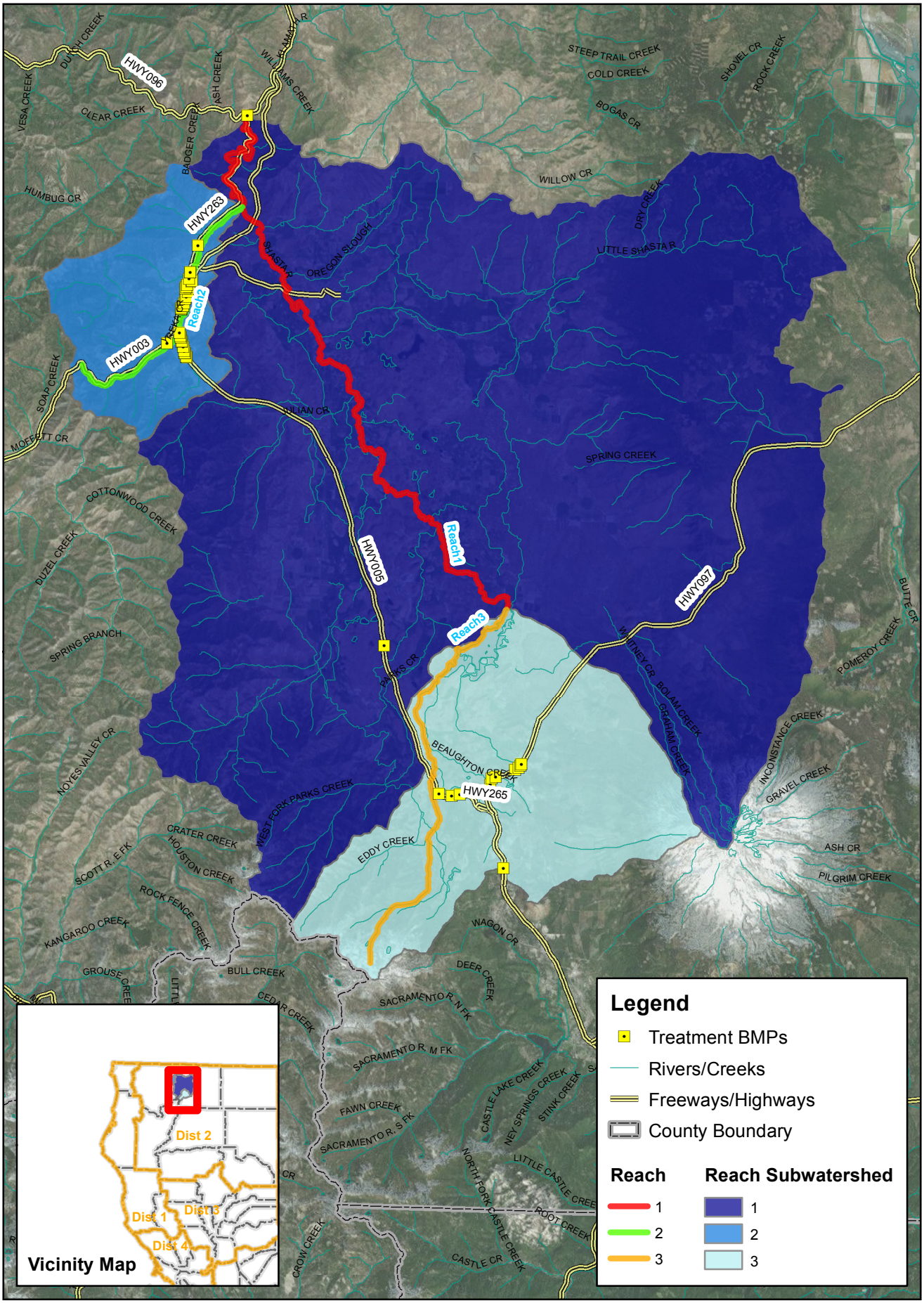
TMDL PROGRESS REPORT

Scott River

Sediment and Temperature TMDL

0 1.5 3 6 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



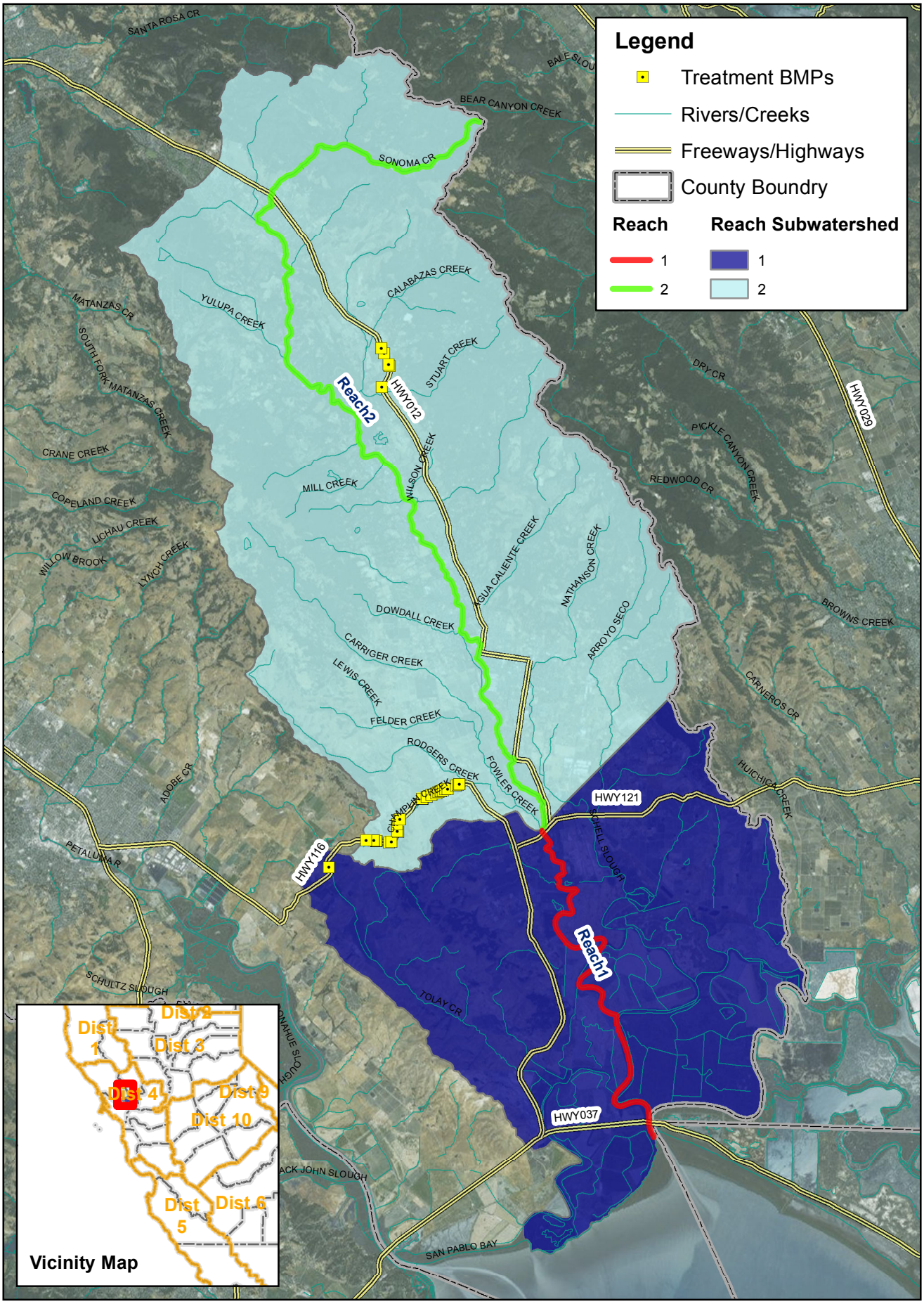
TMDL PROGRESS REPORT

0 2 4 8 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Shasta River

Dissolved Oxygen and Temperature TMDL

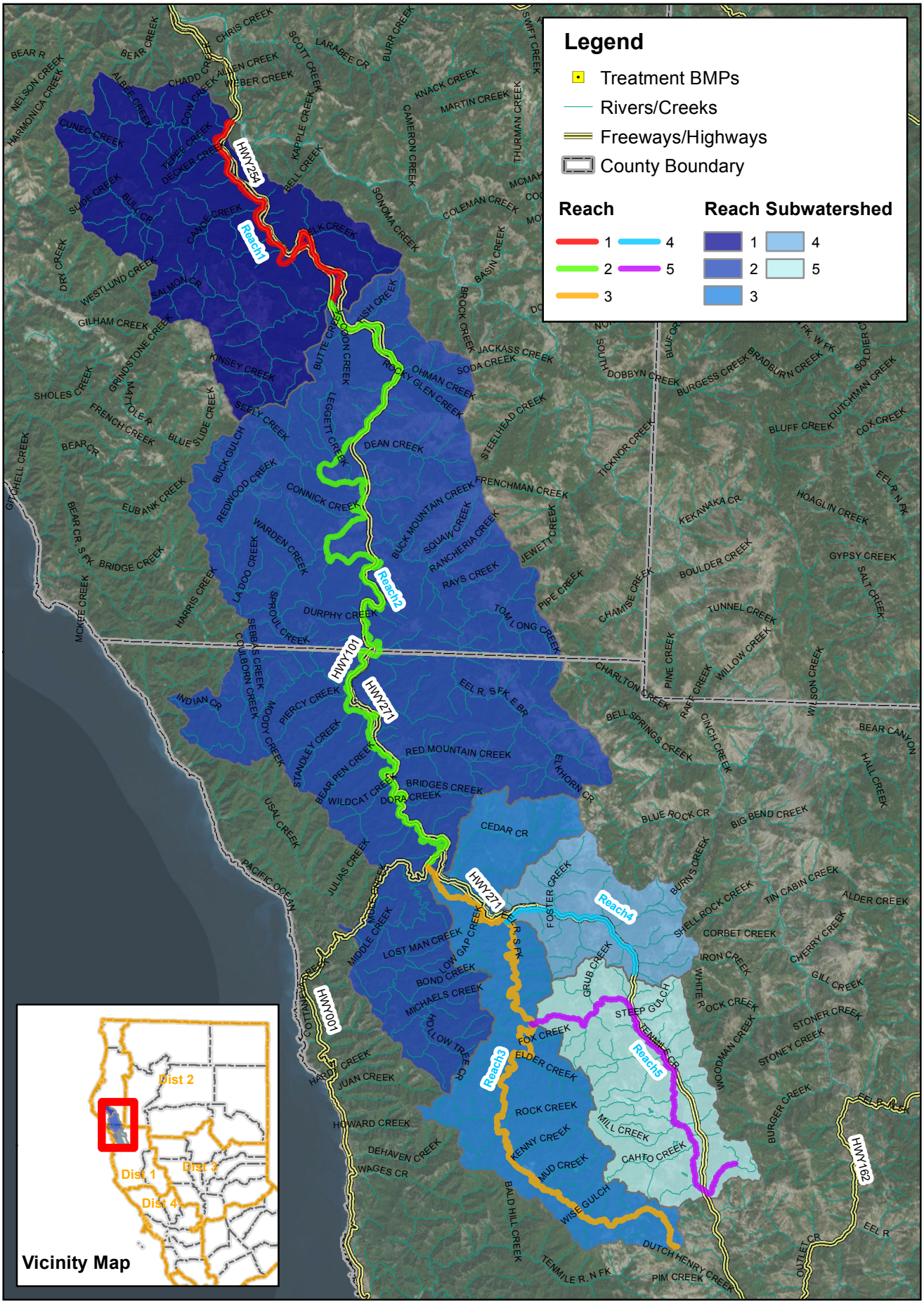


Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Sonoma Creek

Sediment TMDL



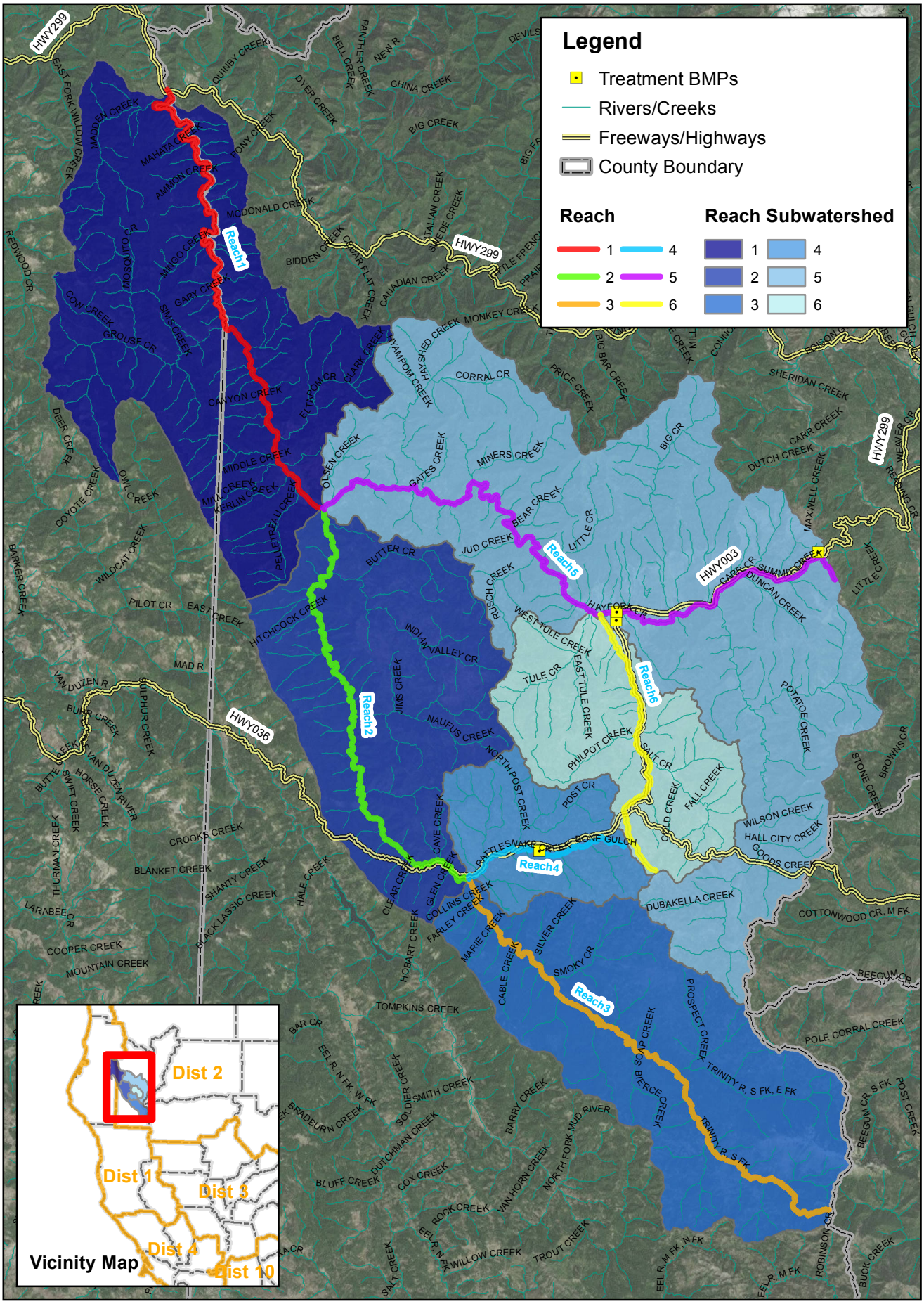
TMDL PROGRESS REPORT

0 2 4 8 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

South Fork Eel River

Temperature and Sediment TMDL



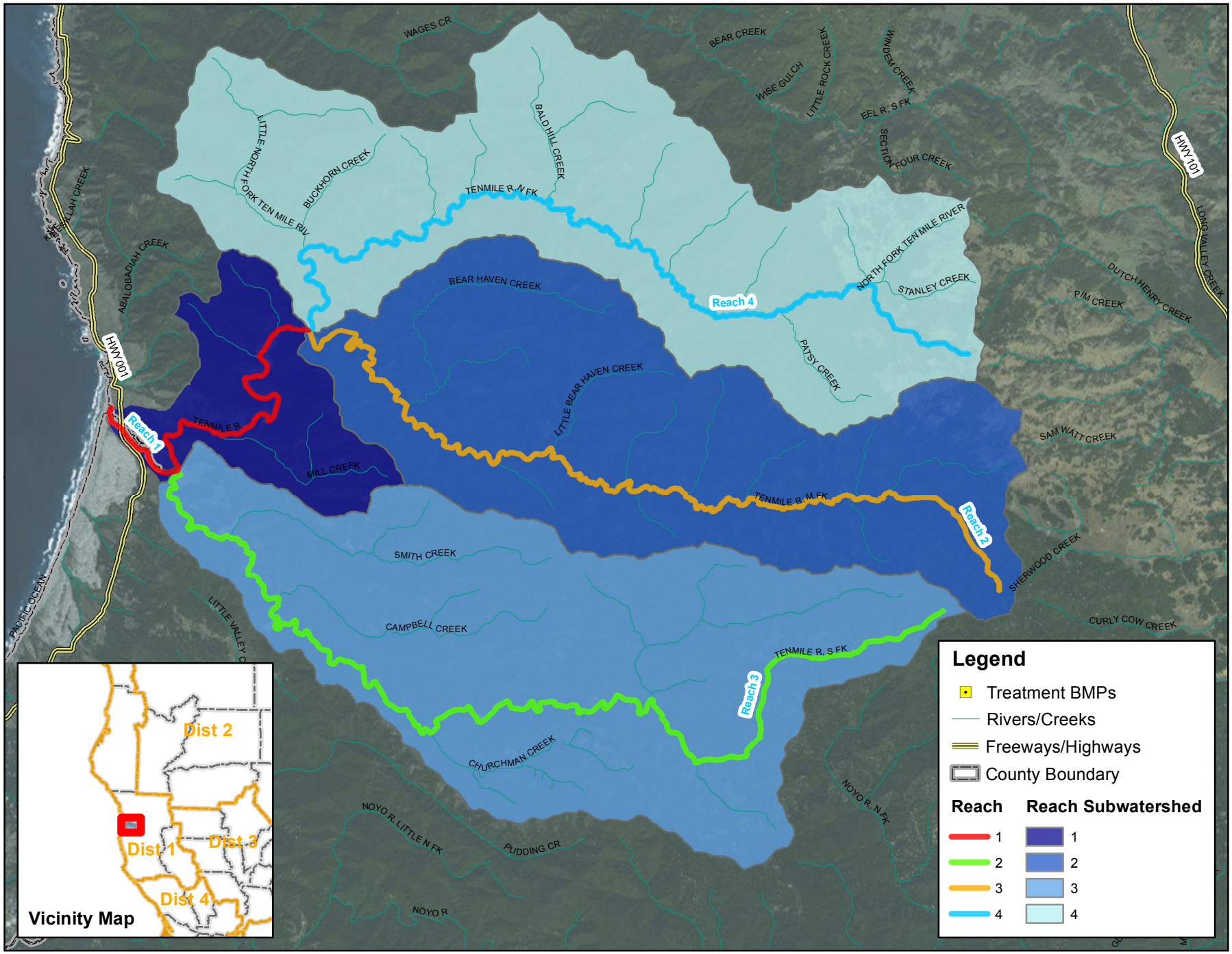
TMDL PROGRESS REPORT

0 1.5 3 6 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

South Fork Trinity River and Hayfork Creek

Sediment TMDL



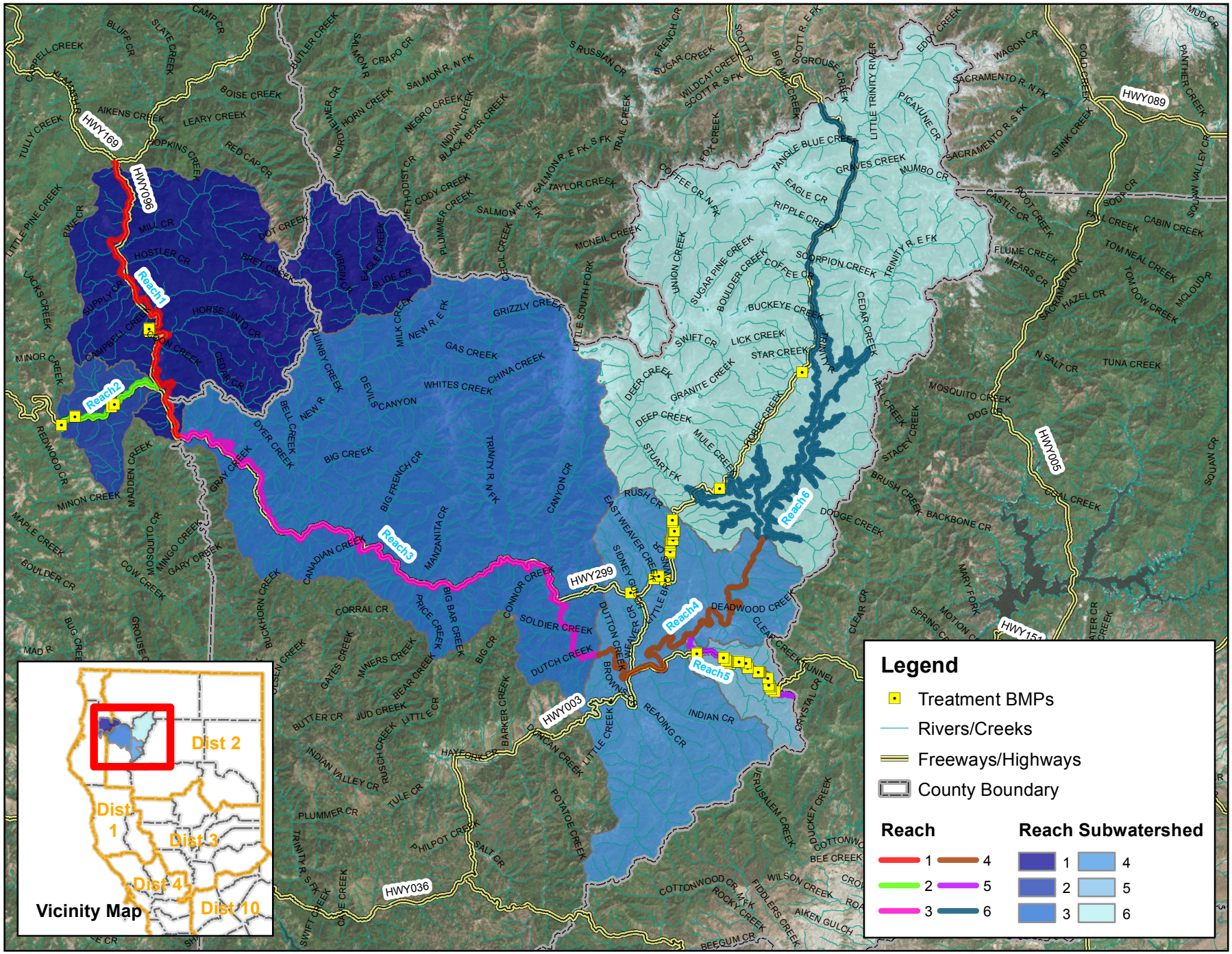
0 1 2 4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Ten Mile River

Sediment TMDL



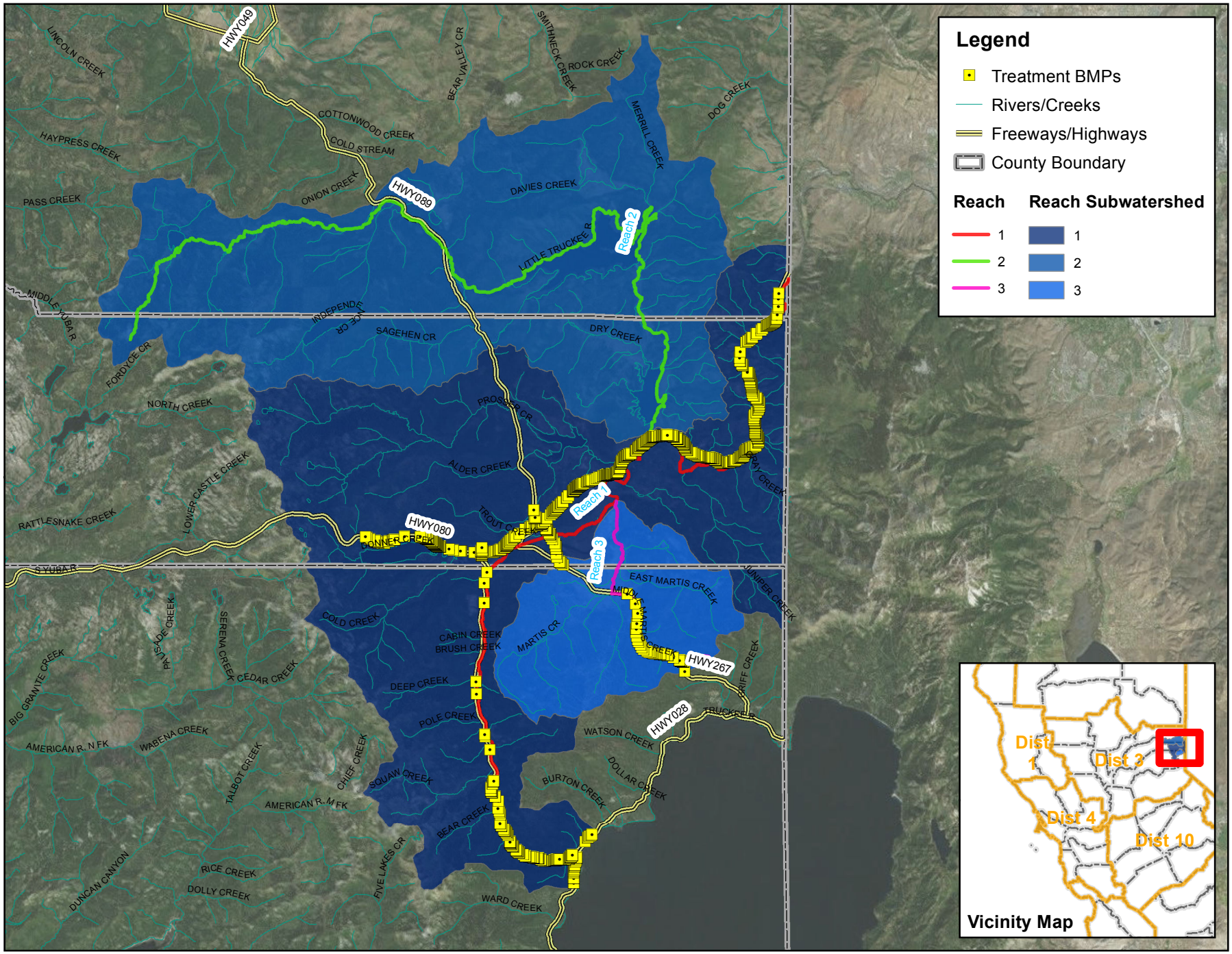
0 3 6 12 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Trinity River

Sediment TMDL



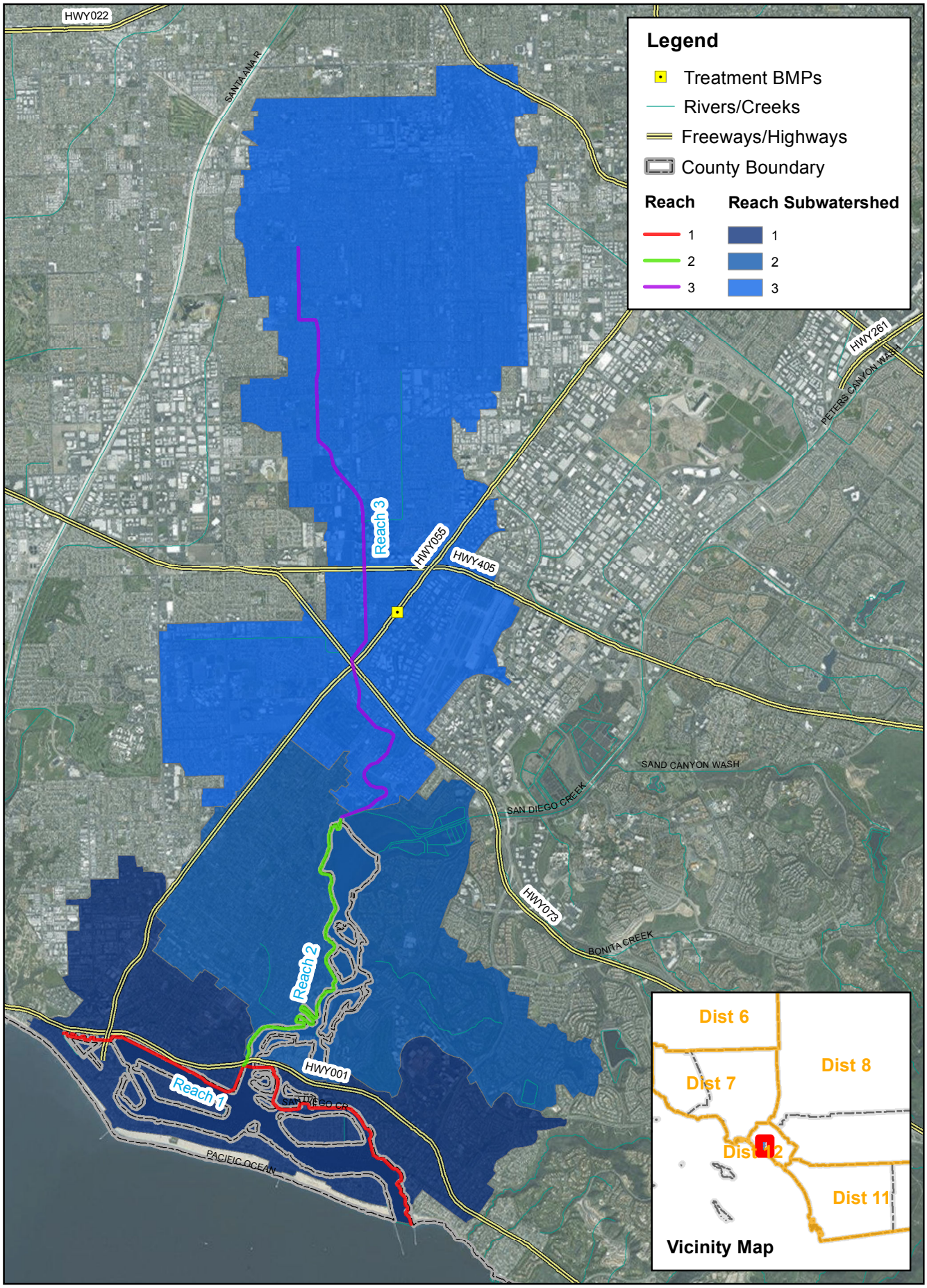
0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Truckee River

Sediment TMDL



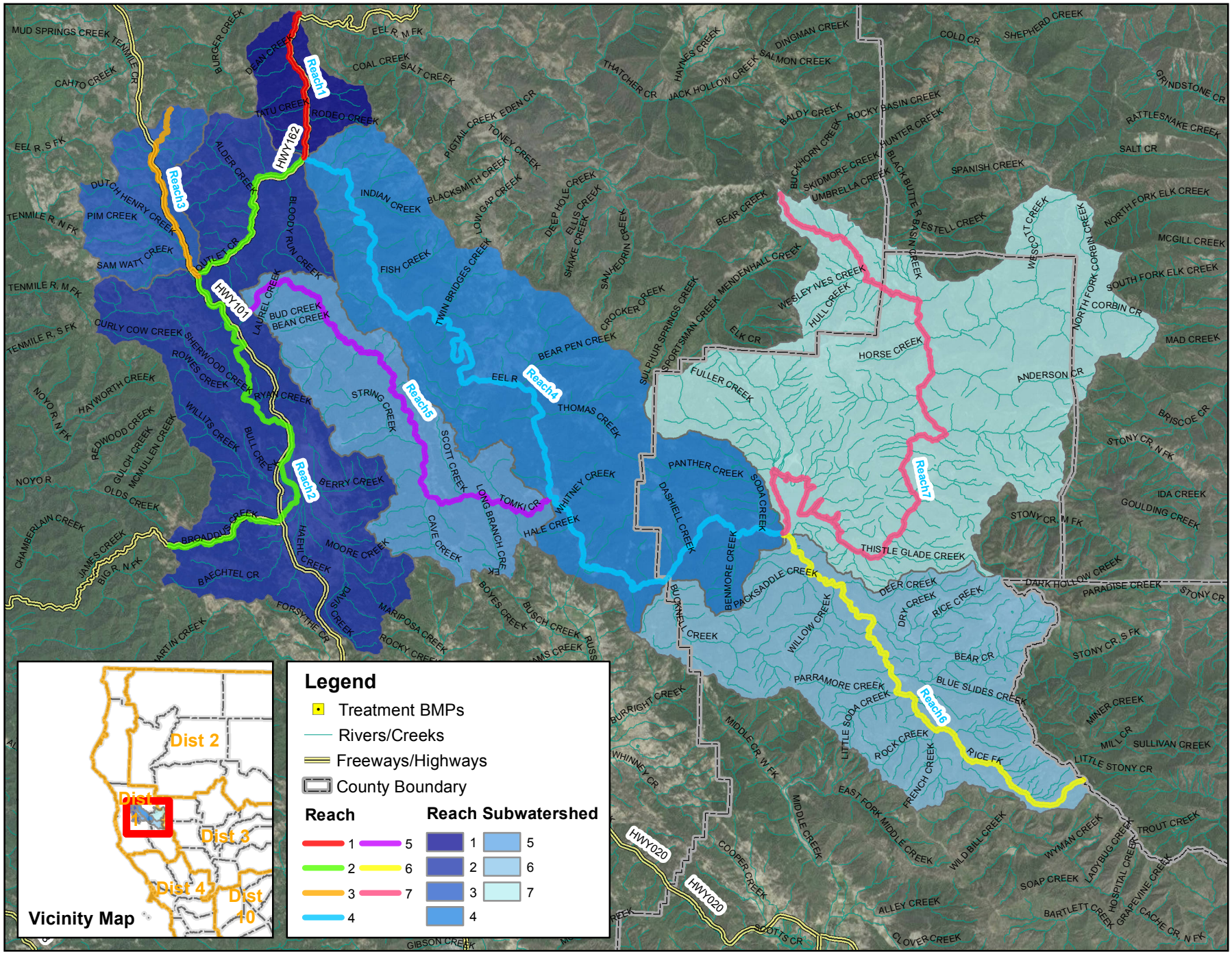
0 0.5 1 2 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Upper and Lower Newport Bay

Organochlorine Compounds (DDT, Chlordane, & PCBs) TMDL



Caltrans

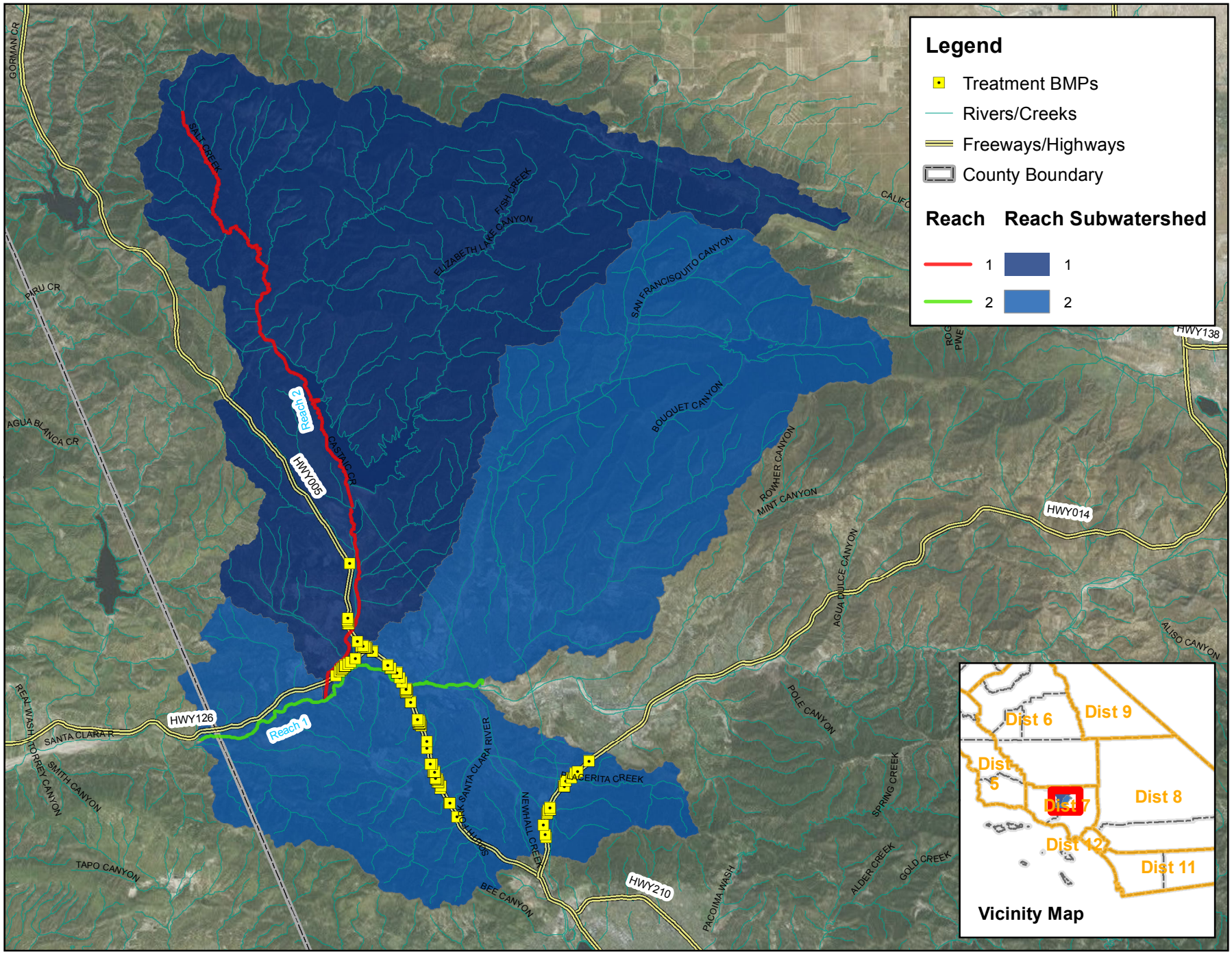
0 2 4 8 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Upper Main Eel River and Tributaries (including Tomki Creek, Outlet Creek and Lake Pillsbury)

Temperature and Sediment TMDL



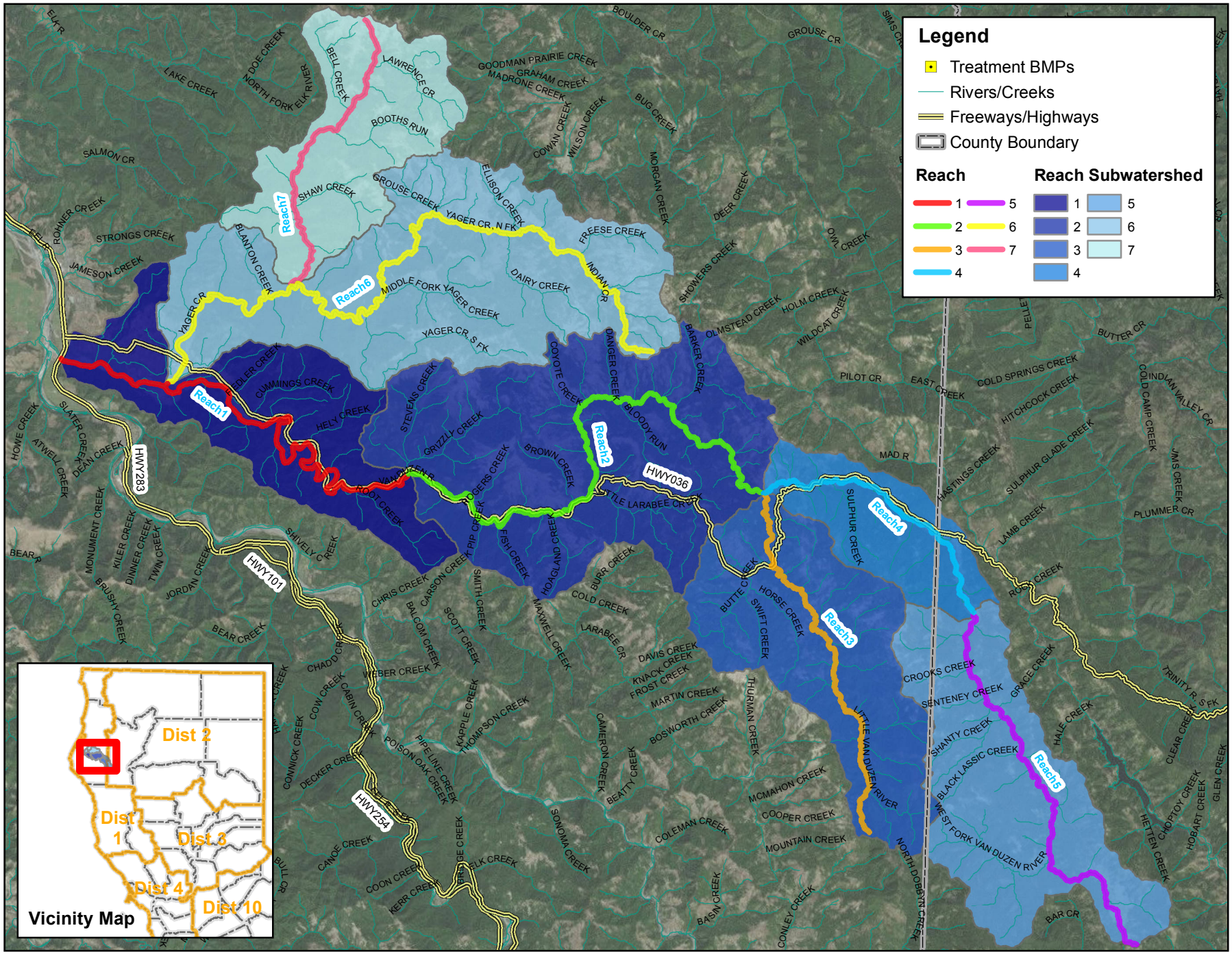
0 1.5 3 6 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Upper Santa Clara River

Chloride TMDL



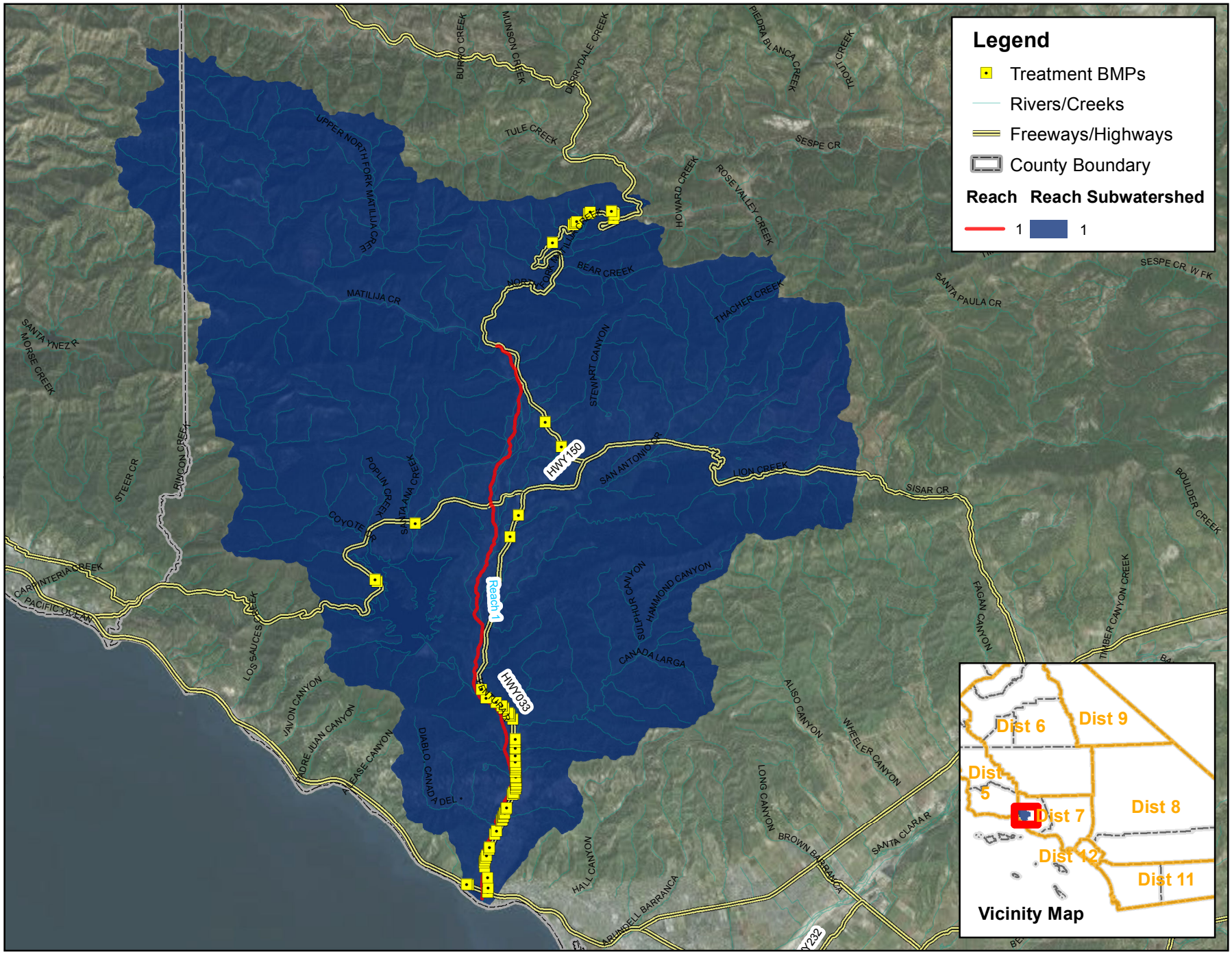
0 1.5 3 6 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Van Duzen River and Yager Creek

Sediment TMDL



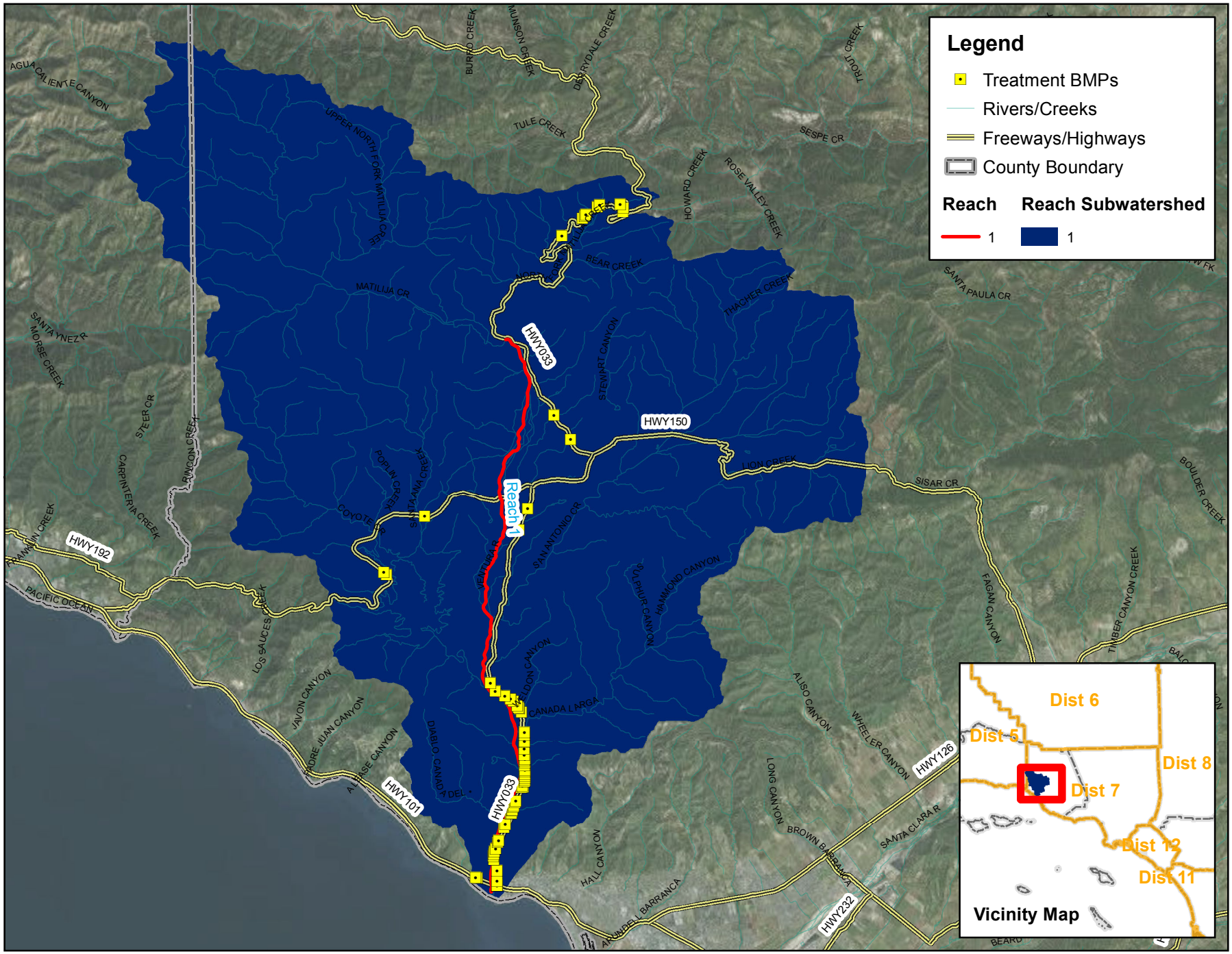
0 1 2 4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Ventura River and its Tributaries

Algae, Eurtophic Conditions, and Nutrients TMDL



0 1 2 4 Miles

Source: Caltrans, Michael Baker International, RWQCB, SWRCB, ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

TMDL PROGRESS REPORT

Ventura River Estuary

Trash TMDL

Appendix C – BMPs within TMDL Watersheds

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Treatment BMP List - Albion River Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Ballona Creek Metals (Ag, Cd, Cu, Pb, and Zn) and Selenium TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	90	W	1.25	1.25	33.983221	-118.437026	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	90	W	1.49	1.49	33.982422	-118.432768	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	90	W	1.58	1.58	33.982146	-118.431119	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	90	W	1.59	1.59	33.982127	-118.431032	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	8.83	8.83	34.036227	-118.378136	8.26	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	10.43	10.43	34.033493	-118.350948	3.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	10.43	10.43	34.033527	-118.349765	3.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	13.46	13.46	34.036521	-118.298852	2.75	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	90	W	2.49	2.49	33.987967	-118.401718	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	101	S	4.28	4.28	34.078743	-118.289877	3.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	101	S	4.60	4.60	34.080772	-118.295137	3.13	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	101	S	8.19	8.19	34.116432	-118.337401	4.11	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	110	N	21.01	21.01	34.032127	-118.274423	1.57	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	M	8.83	8.83	34.037092	-118.377816	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	M	9.14	9.14	34.035845	-118.372933	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	W	14.80	14.80	34.038641	-118.274641	0.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	W	21.60	21.60	34.040404	-118.272845	0.22	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	21.20	21.20	34.040918	-118.274191	1.278	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	N	21.20	21.20	34.034728	-118.274483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	21.20	21.20	34.034728	-118.274483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110		21.52	21.52	34.039722	-118.273772	0.24	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	2	110		21.78	21.78	34.043337	-118.272417	1.21	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	22.24	22.24	34.047723	-118.267091	1.22	0.50	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	22.70	22.70	33.952125	-118.369618	6.30	3.30	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	M	4.25	4.25	34.027760	-118.454150	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	5.28	5.28	34.030858	-118.436556	0.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	29.20	29.20	34.027173	-118.430301	8.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405		29.50	29.50	34.030821	-118.433196	7.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	29.90	29.90	34.035029	-118.437699	4.00	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	30.20	30.20	34.039118	-118.439915	3.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	30.20	30.20	34.039118	-118.439915	5.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	30.90	30.90	34.047379	-118.447025	6.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	31.70	31.70	34.057417	-118.453517	7.75	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	32.60	32.60	34.068156	-118.462616	2.81	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	32.60	32.60	34.068156	-118.462616	3.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	N	32.90	32.90	34.071688	-118.465717	8.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	N	34.40	34.40	34.091039	-118.475644	6.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	34.90	34.90	34.098069	-118.477819	3.05	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	35.10	35.10	34.101011	-118.477751	7.24	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	36.20	36.20	34.116000	-118.481895	3.84	unknown	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	10	N	11.00	11.00	34.034743	-118.340552	unknown	2.60	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	101	N	6.14	6.14	34.096903	-118.313620	unknown	2.10	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	10	S	5.00	6.00	34.030170	-118.441362	unknown	38.53	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.10	1.10	33.983848	-118.439626	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.50	1.50	33.982391	-118.432608	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.80	1.80	33.981375	-118.427482	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	W	1.80	1.80	33.981375	-118.427482	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.84	1.84	33.981260	-118.426874	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	7.80	7.80	34.029694	-118.393216	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.06	8.06	34.031647	-118.389066	6.70	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.38	8.38	34.034437	-118.384856	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.40	8.40	34.034606	-118.384571	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.50	8.50	34.035175	-118.382911	1.70	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.60	8.60	34.036261	-118.381722	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.65	8.65	34.036572	-118.380951	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.66	8.66	34.036213	-118.380777	4.30	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.80	8.80	34.036411	-118.379415	9.60	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.00	9.00	34.036441	-118.375045	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	9.00	9.00	34.036441	-118.375045	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.10	9.10	34.036073	-118.373328	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	9.20	9.20	34.035705	-118.371611	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.40	9.40	34.034979	-118.368206	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.60	9.60	34.034266	-118.364833	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.70	9.70	34.033982	-118.363142	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.75	9.75	34.033893	-118.362281	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.80	9.80	34.033838	-118.361418	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.00	10.00	34.033922	-118.357942	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.10	10.10	34.033981	-118.356206	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.19	10.19	34.034063	-118.354641	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.21	10.21	34.034082	-118.354293	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.30	10.30	34.034163	-118.352727	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.60	10.60	34.034418	-118.347496	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.70	10.70	34.034501	-118.345752	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.80	10.80	34.034574	-118.344014	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	13.30	13.30	34.037070	-118.300639	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.30	13.30	34.037070	-118.300639	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.32	13.32	34.037067	-118.300291	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.34	13.34	34.037062	-118.299942	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.50	13.50	34.037019	-118.297151	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.60	13.60	34.036993	-118.295406	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.70	13.70	34.036971	-118.293662	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.80	13.80	34.036950	-118.291917	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	90	E	1.90	1.90	33.981083	-118.425989	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	90	E	2.00	2.00	33.980813	-118.424523	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	101	E	7.21	7.21	34.105655	-118.327695	3.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	21.60	21.60	34.040470	-118.273662	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	21.65	21.65	34.041300	-118.273927	unknown	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	2	110	N	21.70	21.70	34.041871	-118.273281	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.73	21.73	34.042209	-118.272737	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.78	21.78	34.043336	-118.272419	1.21	0.33	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.90	21.90	34.043983	-118.271590	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.90	21.90	34.044405	-118.271681	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	22.01	22.01	34.045428	-118.270057	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	22.24	22.24	34.047732	-118.267075	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	25.46	25.46	33.981759	-118.394392	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	25.46	25.46	33.982129	-118.393969	1.62	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	26.20	26.20	33.990823	-118.401534	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.30	26.30	33.992039	-118.402490	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.30	26.30	33.992209	-118.403220	2.4	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.47	26.47	33.993485	-118.404174	1.04	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.47	26.47	33.994094	-118.404123	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.50	5.50	34.031391	-118.432775	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.59	5.59	34.031374	-118.430901	1.70	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.60	5.60	34.031105	-118.429599	1.00	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.60	5.60	34.031600	-118.431040	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.68	5.68	34.031391	-118.427932	3.40	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.70	5.70	34.031734	-118.429293	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.80	5.80	34.031754	-118.427581	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.85	5.85	34.031464	-118.426307	3.30	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.90	5.90	34.031755	-118.425842	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.98	5.98	34.031429	-118.423940	2.90	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	6.10	6.10	34.031771	-118.422376	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	6.17	6.17	34.031535	-118.420768	0.70	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	W	6.18	6.18	34.032073	-118.420698	0.80	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	W	6.20	6.20	34.031775	-118.420647	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	29.41	29.41	34.028917	-118.432109	3.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	29.41	29.41	34.029747	-118.432342	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	30.14	30.14	34.038302	-118.439353	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	30.31	30.31	34.040401	-118.441006	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	31.38	31.38	34.053735	-118.450408	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	31.40	31.40	34.053971	-118.450597	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	31.48	31.48	34.054892	-118.451391	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	31.57	31.57	34.055929	-118.452285	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	31.63	31.63	34.056632	-118.452882	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	31.79	31.79	34.058585	-118.454431	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	31.90	31.90	34.059930	-118.455486	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	32.52	32.52	34.067224	-118.461787	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	33.02	33.02	34.073093	-118.466836	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	33.96	33.96	34.084731	-118.474761	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	34.60	34.60	34.094112	-118.476079	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	35.99	35.99	34.112917	-118.482112	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	36.15	36.15	34.115288	-118.481945	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	110	N	21.53	21.53	34.039863	-118.273632	4.43	1.4	unknown	unknown
Infiltration Basin	7	LA	4	3	405	N	30.20	30.20	34.039118	-118.439915	4.40	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	405	S	31.10	31.10	34.049820	-118.448736	14.23	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	405	S	31.54	31.54	34.054552	-118.452126	14.23	unknown	unknown	unknown
Infiltration Trench	7	LA	4	2	110	N	21.66	21.66	34.041750	-118.273223	1.45	0.39	unknown	unknown

Treatment BMP List - Ballona Creek Trash TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	90	W	1.25	1.25	33.983221	-118.437026	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	90	W	1.49	1.49	33.982422	-118.432768	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	90	W	1.58	1.58	33.982146	-118.431119	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	90	W	1.59	1.59	33.982127	-118.431032	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	8.83	8.83	34.036227	-118.378136	8.26	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	10.43	10.43	34.033493	-118.350948	3.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	10.43	10.43	34.033527	-118.349765	3.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	13.46	13.46	34.036521	-118.298852	2.75	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	90	W	2.49	2.49	33.987967	-118.401718	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	101	S	4.28	4.28	34.078743	-118.289877	3.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	101	S	4.60	4.60	34.080772	-118.295137	3.13	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	101	S	8.19	8.19	34.116432	-118.337401	4.11	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	110	N	21.01	21.01	34.032127	-118.274423	1.57	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	M	4.25	4.25	34.027760	-118.454150	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	W	5.28	5.28	34.030858	-118.436556	0.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	M	8.83	8.83	34.037092	-118.377816	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	M	9.14	9.14	34.035845	-118.372933	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	W	14.80	14.80	34.038641	-118.274641	0.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	W	21.60	21.60	34.040404	-118.272845	0.22	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	21.20	21.20	34.040918	-118.274191	1.278	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	N	21.20	21.20	34.034728	-118.274483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	21.20	21.20	34.034728	-118.274483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110		21.52	21.52	34.039722	-118.273772	0.24	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	2	110		21.78	21.78	34.043337	-118.272417	1.21	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	22.24	22.24	34.047723	-118.267091	1.22	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	22.70	22.70	33.952125	-118.369618	6.3	3.3	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	29.20	29.20	34.027173	-118.430301	8.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		29.50	29.50	34.030821	-118.433196	7.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	29.90	29.90	34.035029	-118.437699	4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	30.20	30.20	34.039118	-118.439915	3.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	30.20	30.20	34.039118	-118.439915	5.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	30.90	30.90	34.047379	-118.447025	6.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	31.70	31.70	34.057417	-118.453517	7.75	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	32.60	32.60	34.068156	-118.462616	2.81	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	32.60	32.60	34.068156	-118.462616	3.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	N	32.90	32.90	34.071688	-118.465717	8.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	N	34.40	34.40	34.091039	-118.475644	6.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	34.90	34.90	34.098069	-118.477819	3.05	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	35.10	35.10	34.101011	-118.477751	7.24	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	36.20	36.20	34.116000	-118.481895	3.84	unknown	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	10	S	5.00	6.00	34.030170	-118.441362	unknown	38.53	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	10	N	11.00	11.00	34.034743	-118.340552	unknown	2.6	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	101	N	6.14	6.14	34.096903	-118.313620	unknown	2.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.10	1.10	33.983848	-118.439626	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.50	1.50	33.982391	-118.432608	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.80	1.80	33.981375	-118.427482	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	W	1.80	1.80	33.981375	-118.427482	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.84	1.84	33.981260	-118.426874	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.50	5.50	34.031391	-118.432775	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.59	5.59	34.031374	-118.430901	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.60	5.60	34.031105	-118.429599	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.60	5.60	34.031600	-118.431040	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.68	5.68	34.031391	-118.427932	3.4	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.70	5.70	34.031734	-118.429293	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.80	5.80	34.031754	-118.427581	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.85	5.85	34.031464	-118.426307	3.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.90	5.90	34.031755	-118.425842	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.98	5.98	34.031429	-118.423940	2.9	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	6.10	6.10	34.031771	-118.422376	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	6.17	6.17	34.031535	-118.420768	0.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	6.18	6.18	34.032073	-118.420698	0.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	6.20	6.20	34.031775	-118.420647	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	7.80	7.80	34.029694	-118.393216	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.06	8.06	34.031647	-118.389066	6.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.38	8.38	34.034437	-118.384856	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.40	8.40	34.034606	-118.384571	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.50	8.50	34.035175	-118.382911	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.60	8.60	34.036261	-118.381722	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.65	8.65	34.036572	-118.380951	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.66	8.66	34.036213	-118.380777	4.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.80	8.80	34.036411	-118.379415	9.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.00	9.00	34.036441	-118.375045	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	9.00	9.00	34.036441	-118.375045	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.10	9.10	34.036073	-118.373328	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	9.20	9.20	34.035705	-118.371611	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.40	9.40	34.034979	-118.368206	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.60	9.60	34.034266	-118.364833	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.70	9.70	34.033982	-118.363142	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.75	9.75	34.033893	-118.362281	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.80	9.80	34.033838	-118.361418	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.00	10.00	34.033922	-118.357942	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.10	10.10	34.033981	-118.356206	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.19	10.19	34.034063	-118.354641	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.21	10.21	34.034082	-118.354293	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.30	10.30	34.034163	-118.352727	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.60	10.60	34.034418	-118.347496	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.70	10.70	34.034501	-118.345752	unknown	unknown	unknown	unknown

Treatment BMP List - Ballona Creek Trash TMDL

Gross Solids Removal Device	7	LA	4	2	10	E	10.80	10.80	34.034574	-118.344014	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	13.30	13.30	34.037070	-118.300639	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.30	13.30	34.037070	-118.300639	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.32	13.32	34.037067	-118.300291	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.34	13.34	34.037062	-118.299942	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.50	13.50	34.037019	-118.297151	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.60	13.60	34.036993	-118.295406	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.70	13.70	34.036971	-118.293662	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.80	13.80	34.036950	-118.291917	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	90	E	1.90	1.90	33.981083	-118.425989	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	90	E	2.00	2.00	33.980813	-118.424523	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	101	E	7.21	7.21	34.105655	-118.327695	3.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	21.60	21.60	34.040470	-118.273662	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	21.65	21.65	34.041300	-118.273927	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.70	21.70	34.041871	-118.273281	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.73	21.73	34.042209	-118.272737	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.78	21.78	34.043336	-118.272419	1.21	0.33	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.90	21.90	34.043983	-118.271590	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.90	21.90	34.044405	-118.271681	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	22.01	22.01	34.045428	-118.270057	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	22.24	22.24	34.047732	-118.267075	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	25.46	25.46	33.981759	-118.394392	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	25.46	25.46	33.982129	-118.393969	1.62	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	26.20	26.20	33.990823	-118.401534	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.30	26.30	33.992039	-118.402490	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.30	26.30	33.992209	-118.403220	2.4	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.47	26.47	33.993485	-118.404174	1.04	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.47	26.47	33.994094	-118.404123	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	29.41	29.41	34.028917	-118.432109	3.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	29.41	29.41	34.029747	-118.432342	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	30.14	30.14	34.038302	-118.439353	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	30.31	30.31	34.040401	-118.441006	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	31.38	31.38	34.053735	-118.450408	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	31.40	31.40	34.053971	-118.450597	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	31.48	31.48	34.054892	-118.451391	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	31.57	31.57	34.055929	-118.452285	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	31.63	31.63	34.056632	-118.452882	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	31.79	31.79	34.058585	-118.454431	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	31.90	31.90	34.059930	-118.455486	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	32.52	32.52	34.067224	-118.461787	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	33.02	33.02	34.073093	-118.466836	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	33.96	33.96	34.084731	-118.474761	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	34.60	34.60	34.094112	-118.476079	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	35.99	35.99	34.112917	-118.482112	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	36.15	36.15	34.115288	-118.481945	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	110	N	21.53	21.53	34.039863	-118.273632	4.43	1.4	unknown	unknown
Infiltration Basin	7	LA	4	2	405	N	30.20	30.20	34.039118	-118.439915	4.4	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	405	S	31.10	31.10	34.049820	-118.448736	14.23	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	405	S	31.54	31.54	34.054552	-118.452126	14.23	unknown	unknown	unknown
Infiltration Trench	7	LA	4	2	110	N	21.66	21.66	34.041750	-118.273223	1.45	0.39	unknown	unknown

Treatment BMP List - Ballona Creek Estuary Toxic Pollutants (Ag, Cd, Cu, Pb, Zn, Chlordane, DDTs, Total PCBs and Total PAHs) TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	90	W	1.25	1.25	33.983221	-118.437026	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	90	W	1.49	1.49	33.982422	-118.432768	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	90	W	1.58	1.58	33.982146	-118.431119	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	90	W	1.59	1.59	33.982127	-118.431032	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	8.83	8.83	34.036227	-118.378136	8.26	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	10.43	10.43	34.033493	-118.350948	3.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	10.43	10.43	34.033527	-118.349765	3.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	13.46	13.46	34.036521	-118.298852	2.75	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	90	W	2.49	2.49	33.987967	-118.401718	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	101	S	4.28	4.28	34.078743	-118.289877	3.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	101	S	4.60	4.60	34.080772	-118.295137	3.13	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	101	S	8.19	8.19	34.116432	-118.337401	4.11	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	110	N	21.01	21.01	34.032127	-118.274423	1.57	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	M	4.25	4.25	34.027760	-118.454150	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	W	5.28	5.28	34.030858	-118.436556	0.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	M	8.83	8.83	34.037092	-118.377816	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	M	9.14	9.14	34.035845	-118.372933	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	W	14.80	14.80	34.038641	-118.274641	0.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	W	21.60	21.60	34.040404	-118.272845	0.22	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	21.20	21.20	34.040918	-118.274191	1.278	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	N	21.20	21.20	34.034728	-118.274483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	21.20	21.20	34.034728	-118.274483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110		21.52	21.52	34.039722	-118.273772	0.24	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	2	110		21.78	21.78	34.043337	-118.272417	1.21	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	22.24	22.24	34.047723	-118.267091	1.22	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	22.70	22.70	33.952125	-118.369618	6.3	3.3	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	29.20	29.20	34.027173	-118.430301	8.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		29.50	29.50	34.030821	-118.433196	7.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	29.90	29.90	34.035029	-118.437699	4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	30.20	30.20	34.039118	-118.439915	3.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	30.20	30.20	34.039118	-118.439915	5.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	30.90	30.90	34.047379	-118.447025	6.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	31.70	31.70	34.057417	-118.453517	7.75	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	32.60	32.60	34.068156	-118.462616	2.81	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	32.60	32.60	34.068156	-118.462616	3.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	N	32.90	32.90	34.071688	-118.465717	8.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	N	34.40	34.40	34.091039	-118.475644	6.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	34.90	34.90	34.098069	-118.477819	3.05	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	35.10	35.10	34.101011	-118.477751	7.24	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	36.20	36.20	34.116000	-118.481895	3.84	unknown	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	10	S	5.00	6.00	34.030170	-118.441362	unknown	38.53	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	10	N	11.00	11.00	34.034743	-118.340552	unknown	2.6	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	101	N	6.14	6.14	34.096903	-118.313620	unknown	2.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.10	1.10	33.983848	-118.439626	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.50	1.50	33.982391	-118.432608	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.80	1.80	33.981375	-118.427482	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	W	1.80	1.80	33.981375	-118.427482	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.84	1.84	33.981260	-118.426874	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.50	5.50	34.031391	-118.432775	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.59	5.59	34.031374	-118.430901	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.60	5.60	34.031105	-118.429599	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.60	5.60	34.031600	-118.431040	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.68	5.68	34.031391	-118.427932	3.4	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.70	5.70	34.031734	-118.429293	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.80	5.80	34.031754	-118.427581	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.85	5.85	34.031464	-118.426307	3.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.90	5.90	34.031755	-118.425842	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.98	5.98	34.031429	-118.423940	2.9	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	6.10	6.10	34.031771	-118.422376	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	6.17	6.17	34.031535	-118.420768	0.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	6.18	6.18	34.032073	-118.420698	0.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	6.20	6.20	34.031775	-118.420647	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	7.80	7.80	34.029694	-118.393216	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.06	8.06	34.031647	-118.389066	6.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.38	8.38	34.034437	-118.384856	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.40	8.40	34.034606	-118.384571	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.50	8.50	34.035175	-118.382911	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.60	8.60	34.036261	-118.381722	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.65	8.65	34.036572	-118.380951	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.66	8.66	34.036213	-118.380777	4.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.80	8.80	34.036411	-118.379415	9.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.00	9.00	34.036441	-118.375045	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	9.00	9.00	34.036441	-118.375045	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.10	9.10	34.036073	-118.373328	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	9.20	9.20	34.035705	-118.371611	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.40	9.40	34.034979	-118.368206	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.60	9.60	34.034266	-118.364833	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.70	9.70	34.033982	-118.363142	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.75	9.75	34.033893	-118.362281	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.80	9.80	34.033838	-118.361418	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.00	10.00	34.033922	-118.357942	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.10	10.10	34.033981	-118.356206	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.19	10.19	34.034063	-118.354641	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.21	10.21	34.034082	-118.354293	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.30	10.30	34.034163	-118.352727	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.60	10.60	34.034418	-118.347496	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.70	10.70	34.034501	-118.345752	unknown	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	2	10	E	10.80	10.80	34.034574	-118.344014	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	13.30	13.30	34.037070	-118.300639	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.30	13.30	34.037070	-118.300639	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.32	13.32	34.037067	-118.300291	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.34	13.34	34.037062	-118.299942	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.50	13.50	34.037019	-118.297151	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.60	13.60	34.036993	-118.295406	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.70	13.70	34.036971	-118.293662	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.80	13.80	34.036950	-118.291917	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	90	E	1.90	1.90	33.981083	-118.425989	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	90	E	2.00	2.00	33.980813	-118.424523	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	101	E	7.21	7.21	34.105655	-118.327695	3.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	21.60	21.60	34.040470	-118.273662	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	21.65	21.65	34.041300	-118.273927	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.70	21.70	34.041871	-118.273281	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.73	21.73	34.042209	-118.272737	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.78	21.78	34.043336	-118.272419	1.21	0.33	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.90	21.90	34.043983	-118.271590	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.90	21.90	34.044405	-118.271681	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	22.01	22.01	34.045428	-118.270057	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	22.24	22.24	34.047732	-118.267075	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	25.46	25.46	33.981759	-118.394392	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	25.46	25.46	33.982129	-118.393969	1.62	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	26.20	26.20	33.990823	-118.401534	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.30	26.30	33.992039	-118.402490	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.30	26.30	33.992209	-118.403220	2.4	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.47	26.47	33.993485	-118.404174	1.04	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.47	26.47	33.994094	-118.404123	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	29.41	29.41	34.028917	-118.432109	3.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	29.41	29.41	34.029747	-118.432342	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	30.14	30.14	34.038302	-118.439353	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	30.31	30.31	34.040401	-118.441006	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	31.38	31.38	34.053735	-118.450408	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	31.40	31.40	34.053971	-118.450597	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	31.48	31.48	34.054892	-118.451391	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	31.57	31.57	34.055929	-118.452285	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	31.63	31.63	34.056632	-118.452882	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	31.79	31.79	34.058585	-118.454431	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	31.90	31.90	34.059930	-118.455486	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	32.52	32.52	34.067224	-118.461787	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	33.02	33.02	34.073093	-118.466836	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	33.96	33.96	34.084731	-118.474761	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	34.60	34.60	34.094112	-118.476079	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	35.99	35.99	34.112917	-118.482112	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	36.15	36.15	34.115288	-118.481945	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	110	N	21.53	21.53	34.039863	-118.273632	4.43	1.4	unknown	unknown
Infiltration Basin	7	LA	4	2	405	N	30.20	30.20	34.039118	-118.439915	4.4	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	405	S	31.10	31.10	34.049820	-118.448736	14.23	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	405	S	31.54	31.54	34.054552	-118.452126	14.23	unknown	unknown	unknown
Infiltration Trench	7	LA	4	2	110	N	21.66	21.66	34.041750	-118.273223	1.45	0.39	unknown	unknown

Treatment BMP List - Ballona Creek Wetlands Sediment and Invasive Exotic Vegetation TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	90	W	1.25	1.25	33.983221	-118.437026	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	90	W	1.49	1.49	33.982422	-118.432768	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	90	W	1.58	1.58	33.982146	-118.431119	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	90	W	1.59	1.59	33.982127	-118.431032	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	8.83	8.83	34.036227	-118.378136	8.26	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	10.43	10.43	34.033493	-118.350948	3.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	10.43	10.43	34.033527	-118.349765	3.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	13.46	13.46	34.036521	-118.298852	2.75	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	90	W	2.49	2.49	33.987967	-118.401718	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	101	S	4.28	4.28	34.078743	-118.289877	3.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	101	S	4.60	4.60	34.080772	-118.295137	3.13	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	101	S	8.19	8.19	34.116432	-118.337401	4.11	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	110	N	21.01	21.01	34.032127	-118.274423	1.57	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	M	4.25	4.25	34.027760	-118.454150	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	W	5.28	5.28	34.030858	-118.436556	0.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	M	8.83	8.83	34.037092	-118.377816	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	M	9.14	9.14	34.035845	-118.372933	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	W	14.80	14.80	34.038641	-118.274641	0.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	W	21.60	21.60	34.040404	-118.272845	0.22	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	21.20	21.20	34.040918	-118.274191	1.278	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	N	21.20	21.20	34.034728	-118.274483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	21.20	21.20	34.034728	-118.274483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110		21.52	21.52	34.039722	-118.273772	0.24	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	2	110		21.78	21.78	34.043337	-118.272417	1.21	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	22.24	22.24	34.047723	-118.267091	1.22	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	22.70	22.70	33.952125	-118.369618	6.3	3.3	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	29.20	29.20	34.027173	-118.430301	8.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		29.50	29.50	34.030821	-118.433196	7.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	29.90	29.90	34.035029	-118.437699	4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	30.20	30.20	34.039118	-118.439915	3.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	30.20	30.20	34.039118	-118.439915	5.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	30.90	30.90	34.047379	-118.447025	6.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	31.70	31.70	34.057417	-118.453517	7.75	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	32.60	32.60	34.068156	-118.462616	2.81	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	32.60	32.60	34.068156	-118.462616	3.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	N	32.90	32.90	34.071688	-118.465717	8.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	N	34.40	34.40	34.091039	-118.475644	6.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	34.90	34.90	34.098069	-118.477819	3.05	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	35.10	35.10	34.101011	-118.477751	7.24	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	36.20	36.20	34.116000	-118.481895	3.84	unknown	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	10	S	5.00	6.00	34.030170	-118.441362	unknown	38.53	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	10	N	11.00	11.00	34.034743	-118.340552	unknown	2.6	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	101	N	6.14	6.14	34.096903	-118.313620	unknown	2.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.10	1.10	33.983848	-118.439626	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.50	1.50	33.982391	-118.432608	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.80	1.80	33.981375	-118.427482	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	W	1.80	1.80	33.981375	-118.427482	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.84	1.84	33.981260	-118.426874	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.50	5.50	34.031391	-118.432775	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.59	5.59	34.031374	-118.430901	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.60	5.60	34.031105	-118.429599	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.60	5.60	34.031600	-118.431040	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.68	5.68	34.031391	-118.427932	3.4	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.70	5.70	34.031734	-118.429293	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.80	5.80	34.031754	-118.427581	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.85	5.85	34.031464	-118.426307	3.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.90	5.90	34.031755	-118.425842	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	5.98	5.98	34.031429	-118.423940	2.9	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	6.10	6.10	34.031771	-118.422376	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	6.17	6.17	34.031535	-118.420768	0.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	6.18	6.18	34.032073	-118.420698	0.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	6.20	6.20	34.031775	-118.420647	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	7.80	7.80	34.029694	-118.393216	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.06	8.06	34.031647	-118.389066	6.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.38	8.38	34.034437	-118.384856	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.40	8.40	34.034606	-118.384571	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.50	8.50	34.035175	-118.382911	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.60	8.60	34.036261	-118.381722	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.65	8.65	34.036572	-118.380951	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.66	8.66	34.036213	-118.380777	4.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.80	8.80	34.036411	-118.379415	9.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.00	9.00	34.036441	-118.375045	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	9.00	9.00	34.036441	-118.375045	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.10	9.10	34.036073	-118.373328	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	9.20	9.20	34.035705	-118.371611	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.40	9.40	34.034979	-118.368206	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.60	9.60	34.034266	-118.364833	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.70	9.70	34.033982	-118.363142	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.75	9.75	34.033893	-118.362281	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.80	9.80	34.033838	-118.361418	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.00	10.00	34.033922	-118.357942	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.10	10.10	34.033981	-118.356206	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.19	10.19	34.034063	-118.354641	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.21	10.21	34.034082	-118.354293	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.30	10.30	34.034163	-118.352727	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.60	10.60	34.034418	-118.347496	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.70	10.70	34.034501	-118.345752	unknown	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	2	10	E	10.80	10.80	34.034574	-118.344014	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	13.30	13.30	34.037070	-118.300639	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.30	13.30	34.037070	-118.300639	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.32	13.32	34.037067	-118.300291	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.34	13.34	34.037062	-118.299942	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.50	13.50	34.037019	-118.297151	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.60	13.60	34.036993	-118.295406	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.70	13.70	34.036971	-118.293662	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.80	13.80	34.036950	-118.291917	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	90	E	1.90	1.90	33.981083	-118.425989	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	90	E	2.00	2.00	33.980813	-118.424523	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	101	E	7.21	7.21	34.105655	-118.327695	3.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	21.60	21.60	34.040470	-118.273662	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	21.65	21.65	34.041300	-118.273927	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.70	21.70	34.041871	-118.273281	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.73	21.73	34.042209	-118.272737	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.78	21.78	34.043336	-118.272419	1.21	0.33	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.90	21.90	34.043983	-118.271590	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.90	21.90	34.044405	-118.271681	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	22.01	22.01	34.045428	-118.270057	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	22.24	22.24	34.047732	-118.267075	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	25.46	25.46	33.981759	-118.394392	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	25.46	25.46	33.982129	-118.393969	1.62	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	26.20	26.20	33.990823	-118.401534	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.30	26.30	33.992039	-118.402490	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.30	26.30	33.992209	-118.403220	2.4	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.47	26.47	33.993485	-118.404174	1.04	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.47	26.47	33.994094	-118.404123	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	29.41	29.41	34.028917	-118.432109	3.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	29.41	29.41	34.029747	-118.432342	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	30.14	30.14	34.038302	-118.439353	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	30.31	30.31	34.040401	-118.441006	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	31.38	31.38	34.053735	-118.450408	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	31.40	31.40	34.053971	-118.450597	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	31.48	31.48	34.054892	-118.451391	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	31.57	31.57	34.055929	-118.452285	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	31.63	31.63	34.056632	-118.452882	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	31.79	31.79	34.058585	-118.454431	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	31.90	31.90	34.059930	-118.455486	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	32.52	32.52	34.067224	-118.461787	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	33.02	33.02	34.073093	-118.466836	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	33.96	33.96	34.084731	-118.474761	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	34.60	34.60	34.094112	-118.476079	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	35.99	35.99	34.112917	-118.482112	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	36.15	36.15	34.115288	-118.481945	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	110	N	21.53	21.53	34.039863	-118.273632	4.43	1.4	unknown	unknown
Infiltration Basin	7	LA	4	2	405	N	30.20	30.20	34.039118	-118.439915	4.4	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	405	S	31.10	31.10	34.049820	-118.448736	14.23	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	405	S	31.54	31.54	34.054552	-118.452126	14.23	unknown	unknown	unknown
Infiltration Trench	7	LA	4	2	110	N	21.66	21.66	34.041750	-118.273223	1.45	0.39	unknown	unknown

Treatment BMP List - Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	90	W	1.25	1.25	33.983221	-118.437026	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	90	W	1.49	1.49	33.982422	-118.432768	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	90	W	1.58	1.58	33.982146	-118.431119	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	90	W	1.59	1.59	33.982127	-118.431032	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	8.83	8.83	34.036227	-118.378136	8.26	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	10.43	10.43	34.033493	-118.350948	3.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	10.43	10.43	34.033527	-118.349765	3.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	10	E	13.46	13.46	34.036521	-118.298852	2.75	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	90	W	2.49	2.49	33.987967	-118.401718	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	101	S	4.28	4.28	34.078743	-118.289877	3.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	101	S	4.60	4.60	34.080772	-118.295137	3.13	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	101	S	8.19	8.19	34.116432	-118.337401	4.11	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	110	N	21.01	21.01	34.032127	-118.274423	1.57	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	M	8.83	8.83	34.037092	-118.377816	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	M	9.14	9.14	34.035845	-118.372933	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	W	14.80	14.80	34.038641	-118.274641	0.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	10	W	21.60	21.60	34.040404	-118.272845	0.22	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	21.20	21.20	34.040918	-118.274191	1.278	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	N	21.20	21.20	34.034728	-118.274483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	21.20	21.20	34.034728	-118.274483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110		21.52	21.52	34.039722	-118.273772	0.24	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	2	110		21.78	21.78	34.043337	-118.272417	1.21	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	22.24	22.24	34.047723	-118.267091	1.22	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	22.70	22.70	33.952125	-118.369618	6.3	3.3	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	M	4.25	4.25	34.027760	-118.454150	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	5.28	5.28	34.030858	-118.436556	0.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	29.20	29.20	34.027173	-118.430301	8.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405		29.50	29.50	34.030821	-118.433196	7.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	29.90	29.90	34.035029	-118.437699	4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	30.20	30.20	34.039118	-118.439915	3.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	30.20	30.20	34.039118	-118.439915	5.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	30.90	30.90	34.047379	-118.447025	6.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	31.70	31.70	34.057417	-118.453517	7.75	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	32.60	32.60	34.068156	-118.462616	2.81	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	32.60	32.60	34.068156	-118.462616	3.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	N	32.90	32.90	34.071688	-118.465717	8.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	N	34.40	34.40	34.091039	-118.475644	6.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	34.90	34.90	34.098069	-118.477819	3.05	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	35.10	35.10	34.101011	-118.477751	7.24	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	36.20	36.20	34.116000	-118.481895	3.84	unknown	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	10	N	11.00	11.00	34.034743	-118.340552	unknown	2.6	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	101	N	6.14	6.14	34.096903	-118.313620	unknown	2.1	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	10	S	5.00	6.00	34.030170	-118.441362	unknown	38.53	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.10	1.10	33.983848	-118.439626	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.50	1.50	33.982391	-118.432608	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.80	1.80	33.981375	-118.427482	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	W	1.80	1.80	33.981375	-118.427482	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	90	E	1.84	1.84	33.981260	-118.426874	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	7.80	7.80	34.029694	-118.393216	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.06	8.06	34.031647	-118.389066	6.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.38	8.38	34.034437	-118.384856	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.40	8.40	34.034606	-118.384571	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.50	8.50	34.035175	-118.382911	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.60	8.60	34.036261	-118.381722	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.65	8.65	34.036572	-118.380951	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.66	8.66	34.036213	-118.380777	4.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	8.80	8.80	34.036411	-118.379415	9.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.00	9.00	34.036441	-118.375045	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	9.00	9.00	34.036441	-118.375045	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.10	9.10	34.036073	-118.373328	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	9.20	9.20	34.035705	-118.371611	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.40	9.40	34.034979	-118.368206	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.60	9.60	34.034266	-118.364833	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.70	9.70	34.033982	-118.363142	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.75	9.75	34.033893	-118.362281	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	9.80	9.80	34.033838	-118.361418	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.00	10.00	34.033922	-118.357942	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.10	10.10	34.033981	-118.356206	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.19	10.19	34.034063	-118.354641	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.21	10.21	34.034082	-118.354293	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.30	10.30	34.034163	-118.352727	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.60	10.60	34.034418	-118.347496	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.70	10.70	34.034501	-118.345752	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	10.80	10.80	34.034574	-118.344014	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	W	13.30	13.30	34.037070	-118.300639	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.30	13.30	34.037070	-118.300639	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.32	13.32	34.037067	-118.300291	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.34	13.34	34.037062	-118.299942	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.50	13.50	34.037019	-118.297151	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.60	13.60	34.036993	-118.295406	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.70	13.70	34.036971	-118.293662	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	10	E	13.80	13.80	34.036950	-118.291917	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	90	E	1.90	1.90	33.981083	-118.425989	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	90	E	2.00	2.00	33.980813	-118.424523	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	101	E	7.21	7.21	34.105655	-118.327695	3.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	21.60	21.60	34.040470	-118.273662	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	21.65	21.65	34.041300	-118.273927	unknown	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	2	110	N	21.70	21.70	34.041871	-118.273281	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.73	21.73	34.042209	-118.272737	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.78	21.78	34.043336	-118.272419	1.21	0.33	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.90	21.90	34.043983	-118.271590	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	21.90	21.90	34.044405	-118.271681	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	N	22.01	22.01	34.045428	-118.270057	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	22.24	22.24	34.047732	-118.267075	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	25.46	25.46	33.981759	-118.394392	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	25.46	25.46	33.982129	-118.393969	1.62	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	N	26.20	26.20	33.990823	-118.401534	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.30	26.30	33.992039	-118.402490	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.30	26.30	33.992209	-118.403220	2.4	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.47	26.47	33.993485	-118.404174	1.04	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	405	S	26.47	26.47	33.994094	-118.404123	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.50	5.50	34.031391	-118.432775	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.59	5.59	34.031374	-118.430901	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.60	5.60	34.031105	-118.429599	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.60	5.60	34.031600	-118.431040	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.68	5.68	34.031391	-118.427932	3.4	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.70	5.70	34.031734	-118.429293	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.80	5.80	34.031754	-118.427581	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.85	5.85	34.031464	-118.426307	3.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.90	5.90	34.031755	-118.425842	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	5.98	5.98	34.031429	-118.423940	2.9	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	6.10	6.10	34.031771	-118.422376	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	6.17	6.17	34.031535	-118.420768	0.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	W	6.18	6.18	34.032073	-118.420698	0.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	W	6.20	6.20	34.031775	-118.420647	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	29.41	29.41	34.028917	-118.432109	3.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	29.41	29.41	34.029747	-118.432342	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	30.14	30.14	34.038302	-118.439353	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	30.31	30.31	34.040401	-118.441006	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	31.38	31.38	34.053735	-118.450408	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	31.40	31.40	34.053971	-118.450597	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	31.48	31.48	34.054892	-118.451391	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	31.57	31.57	34.055929	-118.452285	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	31.63	31.63	34.056632	-118.452882	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	31.79	31.79	34.058585	-118.454431	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	31.90	31.90	34.059930	-118.455486	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	32.52	32.52	34.067224	-118.461787	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	33.02	33.02	34.073093	-118.466836	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	N	33.96	33.96	34.084731	-118.474761	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	34.60	34.60	34.094112	-118.476079	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	35.99	35.99	34.112917	-118.482112	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	405	S	36.15	36.15	34.115288	-118.481945	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	110	N	21.53	21.53	34.039863	-118.273632	4.43	1.4	unknown	unknown
Infiltration Basin	7	LA	4	3	405	N	30.20	30.20	34.039118	-118.439915	4.4	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	405	S	31.10	31.10	34.049820	-118.448736	14.23	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	405	S	31.54	31.54	34.054552	-118.452126	14.23	unknown	unknown	unknown
Infiltration Trench	7	LA	4	2	110	N	21.66	21.66	34.041750	-118.273223	1.45	0.39	unknown	unknown

Treatment BMP List - Big Bear Lake Nutrients for Dry Hydrological Conditionsa TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	8	SBD	8	1	38	W	51.90	51.90	34.262411	-116.885528	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	18	S	44.48	44.48	34.242023	-116.975703	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	18	S	44.48	44.48	34.242161	-116.975368	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	18	S	44.53	44.53	34.242207	-116.974977	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	18	N	44.53	44.53	34.242174	-116.974902	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	18	S	44.60	44.60	34.241502	-116.974231	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	18	S	44.60	44.60	34.241503	-116.974200	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	18	N	44.75	44.75	34.240780	-116.972354	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	18	N	44.76	44.76	34.240774	-116.972192	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	18	S	44.80	44.80	34.240571	-116.971608	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	38	W	59.29	59.29	34.243549	-116.976315	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	38	E	59.29	59.29	34.243542	-116.976331	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	38	W	59.29	59.29	34.243514	-116.976373	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	38	W	59.35	59.35	34.242956	-116.977145	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	38	E	59.35	59.35	34.242946	-116.977160	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	38	W	59.37	59.37	34.242737	-116.977406	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	38	W	59.39	59.39	34.242542	-116.977603	unknown	unknown	unknown	unknown
Traction Sand Trap	8	SBD	8	1	38	E	59.39	59.39	34.242529	-116.977616	unknown	unknown	unknown	unknown

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Treatment BMP List - Big River - Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Ctrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Cache Creek, Bear Creek, Sulphur Creek, and Harley Gulch Mercury TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	1	LAK	5	8	20	E	8.10	8.10	39.164609	-122.924655	1.3	unknown	unknown	unknown
Biofiltration Strip	1	LAK	5	8	29	S	52.38	52.38	39.161244	-122.920952	0.05	unknown	unknown	unknown
Biofiltration Strip	1	LAK	5	8	29	S	52.44	52.44	39.162061	-122.920907	0.17	unknown	unknown	unknown
Biofiltration Swale	3	YOL	5	1	5	M	6.83	6.83	38.680966	-121.748394	4.09	unknown	unknown	unknown
Infiltration Basin	3	YOL	5	1	5	S	8.21	8.21	38.696308	-121.764223	unknown	unknown	unknown	unknown
Infiltration Basin	3	YOL	5	1	5	N	9.16	9.16	38.700357	-121.780606	unknown	unknown	unknown	unknown
Infiltration Basin	3	YOL	5	1	5	N	9.17	9.17	38.700443	-121.780754	unknown	unknown	unknown	unknown
Infiltration Basin	3	YOL	5	1	5	N	9.24	9.24	38.701116	-121.781733	unknown	unknown	unknown	unknown
Infiltration Basin	3	YOL	5	1	5	N	9.26	9.26	38.701329	-121.781999	unknown	unknown	unknown	unknown
Infiltration Basin	3	YOL	5	1	5	S	9.26	9.26	38.701329	-121.781999	unknown	unknown	unknown	unknown
Infiltration Basin	3	COL	5	2	20	E	0.00	0.00	39.011352	-122.409318	unknown	unknown	unknown	unknown
Infiltration Basin	3	COL	5	2	20	E	0.00	0.00	39.011351	-122.409301	unknown	unknown	unknown	unknown
Traction Sand Trap	3	YOL	5	1	5	N	6.42	6.42	38.675986	-121.744149	unknown	unknown	unknown	unknown
Traction Sand Trap	3	YOL	5	1	5	N	6.43	6.43	38.676091	-121.744298	unknown	unknown	unknown	unknown
Traction Sand Trap	3	YOL	5	1	5	N	6.84	6.84	38.681130	-121.748514	unknown	unknown	unknown	unknown
Traction Sand Trap	3	YOL	5	1	5	N	6.86	6.86	38.681374	-121.748695	unknown	unknown	unknown	unknown
Traction Sand Trap	3	YOL	5	1	5	N	7.14	7.14	38.684943	-121.751329	unknown	unknown	unknown	unknown
Traction Sand Trap	3	YOL	5	1	5	N	7.97	7.97	38.694690	-121.760376	unknown	unknown	unknown	unknown
Traction Sand Trap	3	YOL	5	1	5	N	8.02	8.02	38.695096	-121.761143	unknown	unknown	unknown	unknown
Traction Sand Trap	3	YOL	5	1	113	S	10.33	10.33	38.678670	-121.750994	unknown	unknown	unknown	unknown
Traction Sand Trap	3	COL	5	2	20	W	2.10	2.10	39.013089	-122.382919	unknown	unknown	unknown	unknown

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Treatment BMP List - Calleguas Creeks, its Tributaries and Mugu Lagoon Metals and Selenium TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	VEN	4	3	101	S	15.90	15.90	34.218874	-119.070024	1	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	3	101	S	15.99	15.99	34.219285	-119.071541	unknown	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	23	N	3.10	3.10	34.176375	-118.859581	4.91	4.13	unknown	unknown
Austin Sand Filter	7	VEN	4	6	23	S	3.74	3.74	34.181824	-118.860866	2.2	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	23	S	8.89	8.89	34.251594	-118.840358	4.8	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	23	N	10.19	10.19	34.267081	-118.851041	2.8	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	2.30	2.30	34.171854	-118.847156	1.6	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	2.30	2.30	34.171874	-118.847188	1.6	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	3.01	3.01	34.175988	-118.858027	1.48	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	3.10	3.10	34.175725	-118.859626	1.48	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	N	3.10	3.10	34.176863	-118.861700	4.13	4.99	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	4.40	4.40	34.178493	-118.881950	1.33	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	4.40	4.40	34.178476	-118.881924	1.33	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	8.30	8.30	34.192446	-118.945863	1.81	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	8.30	8.30	34.192446	-118.945856	1.81	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	8.70	8.70	34.196107	-118.951616	1.78	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	8.70	8.70	34.196106	-118.951590	1.78	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	10.80	10.80	34.205119	-118.984466	2.02	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	10.80	10.80	34.205125	-118.984468	2.02	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	2	101	N	13.30	13.30	34.216069	-119.024834	3.16	1.3	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	15.20	15.20	34.218666	-119.060185	1.89	0.22	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	15.70	15.70	34.219343	-119.068260	1.24	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	15.90	15.90	34.219473	-119.070068	1.6	1.34	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	16.60	16.60	34.219796	-119.082528	1.65	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	16.60	16.60	34.221015	-119.089752	1	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	S	16.63	16.63	34.220397	-119.089588	1.7	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	S	16.63	16.63	34.220635	-119.083059	1	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	S	16.90	16.90	34.220301	-119.087337	6.02	1.92	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	S	17.00	17.00	34.220474	-119.089061	1.74	0.2	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	S	17.00	17.00	34.220492	-119.089045	0.91	0.41	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	S	17.30	17.30	34.220893	-119.094244	1.19	0.72	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	S	17.70	17.70	34.221437	-119.101200	1.89	0.48	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	18.30	18.30	34.222201	-119.111629	1.84	0.66	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	18.30	18.30	34.222204	-119.111599	1.01	0.62	unknown	unknown
Biofiltration Strip	7	VEN	4	6	23	M	3.70	3.70	34.182077	-118.860539	24.71	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	N	5.00	5.00	34.183441	-118.890739	1	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	N	6.10	6.10	34.184573	-118.909667	2.2	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	N	7.15	7.15	34.185299	-118.927896	2.4	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	S	7.31	7.31	34.185728	-118.930462	1.6	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	S	7.40	7.40	34.186335	-118.931993	2.31	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	N	7.79	7.79	34.189503	-118.937707	2.44	1.6	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	N	9.60	9.60	34.201132	-118.965367	3	2.3	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	N	9.60	9.60	34.201133	-118.965354	3	2.3	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	N	11.20	11.20	34.206618	-118.990589	2	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	S	11.51	11.51	34.209279	-118.995020	5	2.7	unknown	unknown
Biofiltration Swale	7	VEN	4	2	34	E	12.80	12.80	34.205889	-119.034441	1	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	34	E	12.80	12.80	34.209321	-119.035153	1	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	34	E	13.20	13.20	34.210322	-119.035479	1	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	34	E	13.20	13.20	34.211533	-119.035744	3.9	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	N	12.90	12.90	34.216041	-119.017882	2.6	3.4	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	13.70	13.70	34.215922	-119.031835	6.33	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	13.90	13.90	34.216770	-119.035183	1	0.6	unknown	unknown
Biofiltration Swale	7	VEN	4	3	34	W	6.70	6.70	34.196846	-119.135364	0.93	2.46	unknown	unknown
Biofiltration Swale	7	VEN	4	3	34	E	8.10	8.10	34.196678	-119.110559	0.49	1.33	unknown	unknown
Biofiltration Swale	7	VEN	4	3	34	E	8.20	8.20	34.196662	-119.108763	0.29	0.48	unknown	unknown
Biofiltration Swale	7	VEN	4	3	34	W	8.20	8.20	34.196662	-119.108763	0.29	0.06	unknown	unknown
Biofiltration Swale	7	VEN	4	3	34	E	8.40	8.40	34.196617	-119.104981	0.34	0.3	unknown	unknown
Biofiltration Swale	7	VEN	4	3	34	W	8.40	8.40	34.196617	-119.104981	0.27	0.06	unknown	unknown
Biofiltration Swale	7	VEN	4	3	34	E	13.30	13.30	34.212836	-119.036286	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	14.80	14.80	34.217838	-119.049546	1.21	0.67	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	14.84	14.84	34.217682	-119.051193	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	15.70	15.70	34.218610	-119.067044	2.68	0.19	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	15.80	15.80	34.219027	-119.068274	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	17.20	17.20	34.220959	-119.092490	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	17.50	17.50	34.221399	-119.097686	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	17.70	17.70	34.221918	-119.101129	0.66	0.45	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	17.80	17.80	34.221574	-119.102887	0.8	0.4	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	18.20	18.20	34.222206	-119.109846	1.12	0.66	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	18.60	18.60	34.222235	-119.116851	1.08	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	18.80	18.80	34.222257	-119.120332	0.83	0.77	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	19.10	19.10	34.221880	-119.125607	0.76	0.65	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	19.10	19.10	34.222283	-119.125583	0.9	0.67	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	19.20	19.20	34.221855	-119.127356	0.47	0.66	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	19.20	19.20	34.222103	-119.131739	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	19.20	19.20	34.222103	-119.131739	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	19.20	19.20	34.222303	-119.127321	0.44	0.52	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	21.00	21.00	34.225446	-119.158222	1.05	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	23	S	10.87	10.87	34.274837	-118.858171	2.5	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	23	N	11.35	11.35	34.281046	-118.861972	1.4	1.8	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	W	26.30	26.30	34.282592	-118.735432	5.33	2.57	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	E	27.17	27.17	34.282051	-118.720399	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	W	27.41	27.41	34.282644	-118.716144	1.66	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	W	27.43	27.43	34.282141	-118.714440	6.5	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	E	27.47	27.47	34.281179	-118.715022	3.31	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	E	27.47	27.47	34.281668	-118.715118	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	W	27.83	27.83	34.282017	-118.707924	6.6	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	E	28.10	28.10	34.281249	-118.702520	1.55	unknown	unknown	unknown

Biofiltration Swale	7	VEN	4	5	118	W	28.10	28.10	34.282010	-118.702413	1.55	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	W	28.30	28.30	34.281640	-118.700639	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	W	28.30	28.30	34.282006	-118.698709	4.25	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	E	28.80	28.80	34.280385	-118.692331	3.76	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	E	28.81	28.81	34.281625	-118.691661	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	W	28.90	28.90	34.282040	-118.689694	2.32	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	E	29.00	29.00	34.281211	-118.687237	3.19	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	3.70	3.70	34.181124	-118.860414	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	3.87	3.87	34.183501	-118.861304	1.5	0.5	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	3.90	3.90	34.183916	-118.861432	2.1	0.9	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	3.91	3.91	34.184221	-118.860576	2.3	0.6	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	4.49	4.49	34.192436	-118.861775	4	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	4.61	4.61	34.194102	-118.861044	2.4	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	4.73	4.73	34.195726	-118.860211	1.9	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	4.78	4.78	34.196107	-118.859090	1.6	0.9	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	4.86	4.86	34.197361	-118.859200	1.5	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	4.97	4.97	34.198789	-118.858405	1.6	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	5.13	5.13	34.200932	-118.856963	0.7	1.4	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	5.14	5.14	34.200668	-118.856021	4.6	0.3	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	5.44	5.44	34.203731	-118.852819	0.5	1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	5.80	5.80	34.208234	-118.849871	2.5	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	5.84	5.84	34.208759	-118.849699	3.4	0.9	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	6.34	6.34	34.215980	-118.849175	2	2.5	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	6.81	6.81	34.222859	-118.849582	0.9	3.2	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	8.13	8.13	34.240769	-118.841062	0.9	3.2	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	8.17	8.17	34.240804	-118.839615	0.7	1.1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	8.27	8.27	34.242479	-118.840211	2.5	0.2	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	8.48	8.48	34.245467	-118.839321	2.7	0.7	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	8.54	8.54	34.246408	-118.840349	5.5	0.9	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	9.76	9.76	34.262164	-118.846538	1.2	0.8	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	9.82	9.82	34.262823	-118.847063	1.7	0.9	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	9.83	9.83	34.262441	-118.847827	8.3	3.6	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	10.12	10.12	34.266979	-118.850281	0.4	0.5	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	10.50	10.50	34.269127	-118.853874	3.6	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	2.36	2.36	34.172989	-118.847458	5.95	0.74	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	3.57	3.57	34.177020	-118.867724	1.99	0.6	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	4.01	4.01	34.177693	-118.875333	2.48	1.33	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	4.20	4.20	34.177934	-118.878569	3.1	1.5	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	S	4.30	4.30	34.177839	-118.880332	2.68	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	4.38	4.38	34.178745	-118.881354	1.63	0.23	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	S	5.50	5.50	34.184273	-118.899203	3.65	3.95	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	S	5.70	5.70	34.184195	-118.902697	1.21	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	5.90	5.90	34.184642	-118.906182	1.9	0.3	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	S	6.30	6.30	34.184089	-118.913145	1.9	2	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	6.30	6.30	34.184877	-118.913211	3.68	0.9	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	S	6.31	6.31	34.183696	-118.913252	3.6	1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	6.90	6.90	34.184561	-118.923642	2	1.2	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	S	7.84	7.84	34.189085	-118.938506	3.14	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	7.84	7.84	34.191313	-118.941865	2.21	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	7.84	7.84	34.191577	-118.942618	3.43	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	9.61	9.61	34.201008	-118.965363	2.33	3	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	S	11.20	11.20	34.206453	-118.990771	2	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	12.40	12.40	34.214672	-119.009263	2.28	1.4	unknown	unknown
Detention Basin	7	VEN	4	2	101	N	13.80	13.80	34.216611	-119.033373	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	6	23	S	3.58	3.58	34.179585	-118.860908	1.8	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	6	23	N	3.59	3.59	34.179483	-118.860194	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	6	23	N	4.32	4.32	34.189939	-118.861834	1.9	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	6	23	S	8.17	8.17	34.241062	-118.840576	2	unknown	unknown	unknown
Infiltration Basin	7	VEN	4	6	23	S	10.25	10.25	34.267256	-118.852760	2.8	unknown	unknown	unknown
Infiltration Trench	7	VEN	4	2	34	W	12.80	12.80	34.205689	-119.034955	0.98	unknown	unknown	unknown
Infiltration Trench	7	VEN	4	3	34		6.33	6.33	34.196843	-119.141307	0.52	unknown	unknown	unknown
Infiltration Trench	7	VEN	4	3	34		6.38	6.38	34.196854	-119.140488	1.35	unknown	unknown	unknown
Infiltration Trench	7	VEN	4	3	34		6.70	6.70	34.196844	-119.135243	1	unknown	unknown	unknown

Treatment BMP List - Calleguas Creeks, its Tributaries and Mugu Lagoon Organochlorine Pesticides, Polychlorinated Biphenyls, and Siltation TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	VEN	4	3	101	S	15.90	15.90	34.218874	-119.070024	1	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	3	101	S	15.99	15.99	34.219285	-119.071541	unknown	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	23	N	3.1	3.1	34.176375	-118.859581	4.91	4.13	unknown	unknown
Austin Sand Filter	7	VEN	4	6	23	S	3.74	3.74	34.181824	-118.860866	2.2	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	23	S	8.89	8.89	34.2515936	-118.840358	4.8	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	23	N	10.19	10.19	34.2670814	-118.851041	2.8	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	2.3	2.3	34.1718535	-118.847156	1.6	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	2.3	2.3	34.171874	-118.847188	1.6	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	3.01	3.01	34.175988	-118.858027	1.48	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	3.1	3.1	34.1757248	-118.859626	1.48	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	N	3.1	3.1	34.1768635	-118.8617	4.13	4.99	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	4.4	4.4	34.1784927	-118.88195	1.33	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	4.403	4.403	34.1784761	-118.881924	1.33	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	8.3	8.3	34.1924465	-118.945863	1.81	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	8.301	8.301	34.1924459	-118.945856	1.81	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	8.7	8.7	34.1961075	-118.951616	1.78	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	8.704	8.704	34.1961056	-118.95159	1.78	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	10.798	10.798	34.2051186	-118.984466	2.02	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	6	101	S	10.8	10.8	34.2051249	-118.984468	2.02	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	2	101	N	13.304	13.304	34.216069	-119.024834	3.16	1.3	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	15.2	15.2	34.2186662	-119.060185	1.89	0.22	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	15.7	15.7	34.2193433	-119.06826	1.24	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	15.9	15.9	34.2194729	-119.070068	1.6	1.34	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	16.6	16.6	34.219796	-119.082528	1.65	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	16.6	16.6	34.221015	-119.089752	1	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	S	16.63	16.63	34.220397	-119.089588	1.7	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	S	16.63	16.63	34.220635	-119.083059	1	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	S	16.9	16.9	34.2203006	-119.087337	6.02	1.92	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	S	17	17	34.2204741	-119.089061	1.74	0.2	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	S	17	17	34.2204918	-119.089045	0.91	0.41	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	S	17.302	17.302	34.2208932	-119.094244	1.19	0.72	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	S	17.704	17.704	34.2214372	-119.1012	1.89	0.48	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	18.3	18.3	34.222201	-119.111629	1.84	0.66	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	18.3	18.3	34.2222037	-119.111599	1.01	0.62	unknown	unknown
Biofiltration Strip	7	VEN	4	6	23	M	3.7	3.7	34.182077	-118.860539	24.71	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	N	5.002	5.002	34.1834408	-118.890739	1	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	N	6.101	6.101	34.1845735	-118.909667	2.2	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	N	7.154	7.154	34.1852992	-118.927896	2.4	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	S	7.306	7.306	34.1857278	-118.930462	1.6	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	S	7.404	7.404	34.1863349	-118.931993	2.31	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	N	7.794	7.794	34.1895028	-118.937707	2.44	1.6	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	N	9.6	9.6	34.2011318	-118.965367	3	2.3	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	N	9.604	9.604	34.2011325	-118.965354	3	2.3	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	N	11.198	11.198	34.2066184	-118.990589	2	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	6	101	S	11.506	11.506	34.2092794	-118.99502	5	2.7	unknown	unknown
Biofiltration Swale	7	VEN	4	2	34	E	12.8	12.8	34.205889	-119.034441	1	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	34	E	12.8	12.8	34.209321	-119.035153	1	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	34	E	13.2	13.2	34.210322	-119.035479	1	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	34	E	13.2	13.2	34.211533	-119.035744	3.9	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	N	12.903	12.903	34.2160406	-119.017882	2.6	3.4	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	13.7	13.7	34.2159223	-119.031835	6.33	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	13.9	13.9	34.2167705	-119.035183	1	0.6	unknown	unknown
Biofiltration Swale	7	VEN	4	3	34	W	6.7	6.7	34.196846	-119.135364	0.93	2.46	unknown	unknown
Biofiltration Swale	7	VEN	4	3	34	E	8.1	8.1	34.196678	-119.110559	0.49	1.33	unknown	unknown
Biofiltration Swale	7	VEN	4	3	34	E	8.2	8.2	34.196662	-119.108763	0.29	0.48	unknown	unknown
Biofiltration Swale	7	VEN	4	3	34	W	8.2	8.2	34.196662	-119.108763	0.29	0.06	unknown	unknown
Biofiltration Swale	7	VEN	4	3	34	E	8.4	8.4	34.196617	-119.104981	0.34	0.3	unknown	unknown
Biofiltration Swale	7	VEN	4	3	34	W	8.4	8.4	34.196617	-119.104981	0.27	0.06	unknown	unknown
Biofiltration Swale	7	VEN	4	3	34	E	13.3	13.3	34.212836	-119.036286	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	14.8	14.8	34.2178383	-119.049546	1.21	0.67	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	14.84	14.84	34.217682	-119.051193	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	15.7	15.7	34.2186098	-119.067044	2.68	0.19	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	15.8	15.8	34.219027	-119.068274	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	17.2	17.2	34.220959	-119.09249	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	17.5	17.5	34.221399	-119.097686	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	17.7	17.7	34.2219176	-119.101129	0.66	0.45	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	17.801	17.801	34.2215744	-119.102887	0.8	0.4	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	18.2	18.2	34.222206	-119.109846	1.12	0.66	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	18.601	18.601	34.2222354	-119.116851	1.08	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	18.8	18.8	34.2222566	-119.120332	0.83	0.77	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	19.1	19.1	34.2218801	-119.125607	0.76	0.65	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	19.1	19.1	34.2222826	-119.125583	0.9	0.67	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	19.2	19.2	34.2218547	-119.127356	0.47	0.66	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	19.2	19.2	34.222103	-119.131739	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	19.2	19.2	34.222103	-119.131739	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	19.2	19.2	34.2223033	-119.127321	0.44	0.52	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	21.001	21.001	34.2254465	-119.158222	1.05	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	23	S	10.87	10.87	34.2748366	-118.858171	2.5	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	23	N	11.35	11.35	34.2810458	-118.861972	1.4	1.8	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	W	26.3	26.3	34.2825923	-118.735432	5.33	2.57	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	E	27.17	27.17	34.282051	-118.720399	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	W	27.41	27.41	34.282644	-118.716144	1.66	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	W	27.43	27.43	34.282141	-118.71444	6.5	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	E	27.47	27.47	34.281179	-118.715022	3.31	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	E	27.47	27.47	34.281668	-118.715118	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	W	27.83	27.83	34.282017	-118.707924	6.6	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	E	28.1	28.1	34.281249	-118.70252	1.55	unknown	unknown	unknown

Biofiltration Swale	7	VEN	4	5	118	W	28.1	28.1	34.28201	-118.702413	1.55	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	W	28.3	28.3	34.28164	-118.700639	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	W	28.3	28.3	34.282006	-118.698709	4.25	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	E	28.8	28.8	34.280385	-118.692331	3.76	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	E	28.813	28.813	34.281625	-118.691661	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	W	28.9	28.9	34.28204	-118.689694	2.32	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	5	118	E	29	29	34.281211	-118.687237	3.19	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	3.7	3.7	34.181124	-118.860414	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	3.87	3.87	34.1835011	-118.861304	1.5	0.5	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	3.9	3.9	34.1839163	-118.861432	2.1	0.9	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	3.91	3.91	34.1842214	-118.860576	2.3	0.6	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	4.49	4.49	34.1924355	-118.861775	4	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	4.61	4.61	34.1941019	-118.861044	2.4	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	4.729	4.729	34.1957262	-118.860211	1.9	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	4.78	4.78	34.1961073	-118.85909	1.6	0.9	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	4.86	4.86	34.1973607	-118.8592	1.5	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	4.97	4.97	34.1987891	-118.858405	1.6	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	5.13	5.13	34.2009324	-118.856963	0.7	1.4	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	5.14	5.14	34.200668	-118.856021	4.6	0.3	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	5.44	5.44	34.2037307	-118.852819	0.5	1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	5.8	5.8	34.2082341	-118.849871	2.5	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	5.84	5.84	34.2087595	-118.849699	3.4	0.9	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	6.34	6.34	34.2159798	-118.849175	2	2.5	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	6.809	6.809	34.2228589	-118.849582	0.9	3.2	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	8.13	8.13	34.2407695	-118.841062	0.9	3.2	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	8.17	8.17	34.2408044	-118.839615	0.7	1.1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	8.27	8.27	34.2424793	-118.840211	2.5	0.2	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	8.48	8.48	34.2454673	-118.839321	2.7	0.7	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	8.54	8.54	34.2464078	-118.840349	5.5	0.9	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	9.76	9.76	34.2621645	-118.846538	1.2	0.8	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	9.82	9.82	34.2628233	-118.847063	1.7	0.9	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	9.83	9.83	34.2624405	-118.847827	8.3	3.6	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	N	10.12	10.12	34.2669788	-118.850281	0.4	0.5	unknown	unknown
Biofiltration Swale	7	VEN	4	6	23	S	10.5	10.5	34.2691266	-118.853874	3.6	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	2.36	2.36	34.1729894	-118.847458	5.95	0.74	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	3.57	3.57	34.1770197	-118.867724	1.99	0.6	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	4.01	4.01	34.1776934	-118.875333	2.48	1.33	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	4.201	4.201	34.177934	-118.878569	3.1	1.5	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	S	4.302	4.302	34.1778388	-118.880332	2.68	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	4.38	4.38	34.178745	-118.881354	1.63	0.23	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	S	5.499	5.499	34.1842735	-118.899203	3.65	3.95	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	S	5.699	5.699	34.1841945	-118.902697	1.21	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	5.901	5.901	34.1846416	-118.906182	1.9	0.3	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	S	6.299	6.299	34.1840892	-118.913145	1.9	2	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	6.304	6.304	34.1848774	-118.913211	3.68	0.9	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	S	6.306	6.306	34.1836964	-118.913252	3.6	1	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	6.901	6.901	34.1845615	-118.923642	2	1.2	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	S	7.84	7.84	34.1890845	-118.938506	3.14	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	7.84	7.84	34.191313	-118.941865	2.21	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	7.84	7.84	34.1915772	-118.942618	3.43	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	9.606	9.606	34.2010077	-118.965363	2.33	3	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	S	11.202	11.202	34.206453	-118.990771	2	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	6	101	N	12.4	12.4	34.2146717	-119.009263	2.28	1.4	unknown	unknown
Detention Basin	7	VEN	4	2	101	N	13.8	13.8	34.216611	-119.033373	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	6	23	S	3.58	3.58	34.1795853	-118.860908	1.8	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	6	23	N	3.59	3.59	34.1794825	-118.860194	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	6	23	N	4.32	4.32	34.1899387	-118.861834	1.9	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	6	23	S	8.17	8.17	34.2410624	-118.840576	2	unknown	unknown	unknown
Infiltration Basin	7	VEN	4	6	23	S	10.25	10.25	34.2672555	-118.85276	2.8	unknown	unknown	unknown
Infiltration Trench	7	VEN	4	2	34	W	12.8	12.8	34.205689	-119.034955	0.98	unknown	unknown	unknown
Infiltration Trench	7	VEN	4	3	34		6.33	6.33	34.196843	-119.141307	0.52	unknown	unknown	unknown
Infiltration Trench	7	VEN	4	3	34		6.38	6.38	34.196854	-119.140488	1.35	unknown	unknown	unknown
Infiltration Trench	7	VEN	4	3	34		6.7	6.7	34.196844	-119.135243	1	unknown	unknown	unknown

Treatment BMP List - Chollas Creek Diazinon TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	11	SD	9	1	94	E	3.00	3.00	32.716731	-117.118481	2.11	unknown	unknown	unknown
Biofiltration Strip	11	SD	9	2	94	E	8.20	8.20	32.744143	-117.042055	1.04	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	1	94	W	2.20	2.20	32.713858	-117.133204	0.55	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	1	94	E	2.25	2.25	32.712445	-117.133323	0.74	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	1	94	E	2.85	2.85	32.715558	-117.123325	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	1	94	M	2.90	2.90	32.716056	-117.120796	8.69	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	2	94	E	7.50	7.50	32.738207	-117.054268	3.1	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	2	94	E	7.50	7.50	32.738988	-117.053543	0.7	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	2	94	E	7.50	7.50	32.739603	-117.052886	2.21	unknown	unknown	unknown
Infiltration Basin	11	SD	9	1	15	S	1.56	1.56	32.707448	-117.120625	unknown	unknown	unknown	unknown
Infiltration Basin	11	SD	9	1	15	S	1.79	1.79	32.710784	-117.119746	unknown	unknown	unknown	unknown
Infiltration Trench	11	SD	9	1	15	S	1.60	1.60	32.708053	-117.120572	3.09	unknown	unknown	unknown
Infiltration Trench	11	SD	9	1	15	S	1.80	1.80	32.711258	-117.119831	2.57	unknown	unknown	unknown
Infiltration Trench	11	SD	9	1	15	S	1.82	1.82	32.711242	-117.119059	unknown	unknown	unknown	unknown
Infiltration Trench	11	SD	9	1	15	S	2.10	2.10	32.715615	-117.118134	1.67	unknown	unknown	unknown
Infiltration Trench	11	SD	9	1	15	S	3.10	3.10	32.715619	-117.118134	2.6	unknown	unknown	unknown
Infiltration Trench	11	SD	9	1	94	E	2.60	2.60	32.714010	-117.125639	2.53	unknown	unknown	unknown
Infiltration Trench	11	SD	9	1	94	E	2.65	2.65	32.714523	-117.126653	unknown	unknown	unknown	unknown
Infiltration Trench	11	SD	9	1	94	M	3.30	3.30	32.717097	-117.115853	3.2	unknown	unknown	unknown
Infiltration Trench	11	SD	9	1	94	M	3.30	3.30	32.717378	-117.114571	7.2	unknown	unknown	unknown
Infiltration Trench	11	SD	9	1	805	M	14.80	14.80	32.734388	-117.112672	28	unknown	unknown	unknown
Infiltration Trench	11	SD	9	1	805	S	15.40	15.40	32.741883	-117.117466	17	unknown	unknown	unknown

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Treatment BMP List - Chollas Creek Dissolved Copper, Lead, and Zinc TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	11	SD	9	1	94	E	3.00	3.00	32.716731	-117.118481	2.11	0	0	0
Biofiltration Strip	11	SD	9	2	94	E	8.20	8.20	32.744143	-117.042055	1.04	0	0	0
Biofiltration Swale	11	SD	9	1	94	W	2.20	2.20	32.713858	-117.133204	0.55	0	0	0
Biofiltration Swale	11	SD	9	1	94	E	2.25	2.25	32.712445	-117.133323	0.74	0	0	0
Biofiltration Swale	11	SD	9	1	94	E	2.85	2.85	32.715558	-117.123325	0	0	0	0
Biofiltration Swale	11	SD	9	1	94	M	2.90	2.90	32.716056	-117.120796	8.69	0	0	0
Biofiltration Swale	11	SD	9	2	94	E	7.50	7.50	32.738207	-117.054268	3.1	0	0	0
Biofiltration Swale	11	SD	9	2	94	E	7.50	7.50	32.738988	-117.053543	0.7	0	0	0
Biofiltration Swale	11	SD	9	2	94	E	7.50	7.50	32.739603	-117.052886	2.21	0	0	0
Infiltration Basin	11	SD	9	1	15	S	1.56	1.56	32.707448	-117.120625	0	0	0	0
Infiltration Basin	11	SD	9	1	15	S	1.79	1.79	32.710784	-117.119746	0	0	0	0
Infiltration Trench	11	SD	9	1	15	S	1.60	1.60	32.708053	-117.120572	3.09	0	0	0
Infiltration Trench	11	SD	9	1	15	S	1.80	1.80	32.711258	-117.119831	2.57	0	0	0
Infiltration Trench	11	SD	9	1	15	S	1.82	1.82	32.711242	-117.119059	0	0	0	0
Infiltration Trench	11	SD	9	1	15	S	2.10	2.10	32.715615	-117.118134	1.67	0	0	0
Infiltration Trench	11	SD	9	1	15	S	3.10	3.10	32.715619	-117.118134	2.6	0	0	0
Infiltration Trench	11	SD	9	1	94	E	2.60	2.60	32.714010	-117.125639	2.53	0	0	0
Infiltration Trench	11	SD	9	1	94	E	2.65	2.65	32.714523	-117.126653	0	0	0	0
Infiltration Trench	11	SD	9	1	94	M	3.30	3.30	32.717097	-117.115853	3.2	0	0	0
Infiltration Trench	11	SD	9	1	94	M	3.30	3.30	32.717378	-117.114571	7.2	0	0	0
Infiltration Trench	11	SD	9	1	805	M	14.80	14.80	32.734388	-117.112672	28	0	0	0
Infiltration Trench	11	SD	9	1	805	S	15.40	15.40	32.741883	-117.117466	17	0	0	0

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Treatment BMP List - Clear Lake Nutrients TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	1	LAK	5	3	29	S	52.38	52.38	39.161244	-122.920952	0.05	unknown	unknown	unknown
Biofiltration Strip	1	LAK	5	3	29	S	52.44	52.44	39.162061	-122.920907	0.17	unknown	unknown	unknown
Biofiltration Strip	1	LAK	5	3	20	E	8.10	8.10	39.164609	-122.924655	1.3	unknown	unknown	unknown

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Treatment BMP List - Coachella Valley Storm Water Channel Bacterial Indicators TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Infiltration Basin	8	RIV	7	1	10	W	46.90	46.90	33.785964	-116.354566	unknown	unknown	unknown	unknown

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Treatment BMP List - Colorado Lagoon Organochlorine Pesticides, PCBs, Sediment Toxicity, PAHs, and Metals (Pb & Zn) TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Dominguez Channel Greater Los Angeles Long Beach Harbor Waters Toxic Pollutants: Metals, DDT, PAHs, and PCBs TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	110	S	5.37	5.37	33.809810	-118.288094	3.04	1.19	unknown	unknown
Austin Sand Filter	7	LA	4	2	91		7.56	7.56	33.873454	-118.263923	2.17	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	110		8.48	8.48	33.852769	-118.284932	4.36	2.44	unknown	unknown
Austin Sand Filter	7	LA	4	2	110	N	8.50	8.50	33.853068	-118.284595	2.7	1.66	unknown	unknown
Austin Sand Filter	7	LA	4	2	110		11.65	11.65	33.898617	-118.286609	3.07	0.46	unknown	unknown
Austin Sand Filter	7	LA	4	2	405	N	9.51	9.51	33.826564	-118.240715	8.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	405		10.40	10.40	33.829787	-118.254029	1.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	405		10.49	10.49	33.830971	-118.255190	2.7	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	405		10.59	10.59	33.832113	-118.256315	3.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	405		11.20	11.20	33.838888	-118.262926	2.7	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	405		11.30	11.30	33.840078	-118.264079	4.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	405		12.90	12.90	33.856286	-118.283824	2.38	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	105	W	4.76	4.76	33.925765	-118.325946	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	105		4.76	4.76	33.925231	-118.325888	1.28	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	105	W	4.76	4.76	33.925696	-118.326095	1.28	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	105	W	4.76	4.76	33.925469	-118.325891	2.15	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	405		16.50	16.50	33.871852	-118.341474	4	1.8	unknown	unknown
Austin Sand Filter	7	LA	4	3	405		17.50	17.50	33.883811	-118.351392	8.3	0.8	unknown	unknown
Austin Sand Filter	7	LA	4	3	405		18.20	18.20	33.890446	-118.360630	10.5	1.5	unknown	unknown
Austin Sand Filter	7	LA	4	3	405		19.20	19.20	33.901495	-118.370408	2.6	0.3	unknown	unknown
Austin Sand Filter	7	LA	4	3	405		20.00	20.00	33.913117	-118.370431	8.9	0.9	unknown	unknown
Austin Sand Filter	7	LA	4	3	405		20.30	20.30	33.917450	-118.369979	4.7	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	405		20.50	20.50	33.920298	-118.369351	4.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	405		20.90	20.90	33.926040	-118.368353	0.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	405		21.40	21.40	33.933288	-118.368387	3.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	405		21.50	21.50	33.934730	-118.368376	3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	405		21.60	21.60	33.936172	-118.368373	5.7	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	710	S	3.80	3.80	33.760341	-118.232387	6.1	2.6	unknown	unknown
Biofiltration Strip	7	LA	4	2	91		6.11	6.11	33.872734	-118.289191	3.34	0.98	unknown	unknown
Biofiltration Strip	7	LA	4	2	110	S	6.27	6.27	33.871592	-118.286284	0.5	0.2	unknown	unknown
Biofiltration Strip	7	LA	4	2	110	S	8.80	8.80	33.857853	-118.285108	0.62	1.55	unknown	unknown
Biofiltration Strip	7	LA	4	2	405	S	11.20	11.20	33.839067	-118.264306	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	405	S	11.28	11.28	33.839291	-118.264434	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	105		2.04	2.04	33.930018	-118.369589	21.46	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	105		2.48	2.48	33.931659	-118.362311	2.19	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	105		2.51	2.51	33.931806	-118.361822	4.78	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	105	W	4.86	4.86	33.925337	-118.324371	0.96	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	105		4.86	4.86	33.925345	-118.324168	1.24	0.29	unknown	unknown
Biofiltration Strip	7	LA	4	3	405		15.43	15.43	33.864403	-118.325893	0.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	47	S	0.07	0.07	33.751490	-118.291273	0.44	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	47	S	1.05	1.05	33.750587	-118.291263	0.63	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	47	N	1.23	1.23	33.753198	-118.290832	1.99	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	103	N	0.09	0.09	33.774717	-118.238204	11.91	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	S	1.01	1.01	33.750108	-118.290740	0.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	N	1.43	1.43	33.756056	-118.290393	2.26	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	N	2.65	2.65	33.770828	-118.279754	0.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	S	2.82	2.82	33.772449	-118.280396	0.38	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	N	3.84	3.84	33.787216	-118.280825	0.49	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	N	3.92	3.92	33.788353	-118.280814	0.68	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	S	4.23	4.23	33.792545	-118.283459	3.85	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	N	5.28	5.28	33.808021	-118.287072	3.51	1.85	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	S	5.32	5.32	33.807060	-118.288428	3.59	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	M	4.60	4.60	33.765004	-118.219666	3.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	M	4.60	5.10	33.765004	-118.219666	14.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	S	5.30	5.40	33.767249	-118.208366	0.8	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	5.40	5.40	33.772737	-118.207059	5.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	E	7.05	7.05	33.871814	-118.272107	0.33	0.05	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	E	7.10	7.10	33.872221	-118.271690	0.33	0.55	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	E	7.12	7.12	33.872277	-118.271376	0.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	91		7.50	7.50	33.873386	-118.264960	2.05	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	91		7.67	7.67	33.873514	-118.261998	0.38	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	2	103	N	0.07	0.07	33.778270	-118.241206	11.91	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	103	S	1.10	1.10	33.783772	-118.227231	0.72	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	N	6.40	6.40	33.872326	-118.283930	0.98	0.07	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	N	7.90	7.90	33.844164	-118.285183	1.62	1.26	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	7.90	7.90	33.845565	-118.285769	1.2	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	7.96	7.96	33.845215	-118.285995	1.03	0.57	unknown	unknown
Biofiltration Swale	7	LA	4	2	110	S	8.60	8.60	33.856129	-118.285239	0.48	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	2	110		9.66	9.66	33.869763	-118.284931	0.95	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	110		9.89	9.89	33.873082	-118.284966	1.05	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	8.55	8.55	33.824923	-118.223937	5	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	8.66	8.66	33.825121	-118.225849	4.4	1	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		8.80	8.80	33.825529	-118.228230	4.4	1	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	N	9.52	9.52	33.826377	-118.240781	4.16	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	N	9.70	9.70	33.826121	-118.243702	1.72	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		9.80	9.80	33.825839	-118.245401	1.3	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	10.10	10.10	33.826210	-118.250294	3.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		10.30	10.30	33.828601	-118.252865	7.3	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		10.81	10.81	33.834365	-118.258522	8.1	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		11.10	11.10	33.837759	-118.261822	3.5	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		11.81	11.81	33.845968	-118.270080	8.1	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		12.10	12.10	33.848772	-118.273899	3.1	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	N	12.10	12.10	33.849022	-118.273690	3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		12.50	12.50	33.852311	-118.279030	4	3.5	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	N	12.50	12.50	33.853728	-118.280393	3.9	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	12.70	12.70	33.854563	-118.282713	1.3	1.2	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		13.31	13.31	33.859186	-118.289752	6.3	0.2	unknown	unknown

Biofiltration Swale	7	LA	4	2	405		13.61	13.61	33.859821	-118.294928	13.8	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		15.10	15.10	33.862785	-118.320489	4.8	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		15.10	15.10	33.862785	-118.320489	5.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		15.20	15.20	33.863276	-118.322131	4.8	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	2	405		15.20	15.20	33.863276	-118.322131	5.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	N	15.30	15.30	33.864053	-118.323333	0.007	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	47	S	3.73	3.73	33.761365	-118.238194	1.45	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	47	N	3.75	3.75	33.761394	-118.239246	1.32	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	47	S	3.77	3.77	33.762066	-118.239316	0.89	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	105	E	4.34	4.34	33.924594	-118.333160	0.51	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	105	W	4.37	4.37	33.925077	-118.332605	0.68	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	105	E	4.49	4.49	33.924653	-118.330571	0.51	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	105	E	4.50	4.50	33.924001	-118.330556	0.56	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	3	105	E	4.51	4.51	33.924632	-118.330295	0.68	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	105	E	4.55	4.55	33.924050	-118.330155	0.8	0.04	unknown	unknown
Biofiltration Swale	7	LA	4	3	105		4.61	4.61	33.925304	-118.328486	2.15	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	105		4.61	4.61	33.925106	-118.328471	0.71	0.04	unknown	unknown
Biofiltration Swale	7	LA	4	3	105	W	4.61	4.61	33.925452	-118.328541	0.67	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	105		4.83	4.83	33.925323	-118.324683	0.5	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	3	105		4.83	4.83	33.925545	-118.324686	2.15	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	105	W	4.83	4.83	33.925652	-118.324940	0.44	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	105		6.61	6.61	33.928636	-118.294183	0.72	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	3	105	W	6.61	6.61	33.929050	-118.294332	0.69	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	110		12.69	12.69	33.913845	-118.286537	1.48	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	3.70	3.70	33.761205	-118.239803	2.94	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405		14.90	14.90	33.861801	-118.317212	9.6	1.6	unknown	unknown
Biofiltration Swale	7	LA	4	3	405		14.90	14.90	33.861801	-118.317212	9.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405		15.50	15.50	33.864751	-118.327028	4.2	1.8	unknown	unknown
Biofiltration Swale	7	LA	4	3	405		15.50	15.50	33.864751	-118.327028	2.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405		16.01	16.01	33.867144	-118.335004	2.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	N	16.50	16.50	33.873219	-118.341832	0.44	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405		16.80	16.80	33.875668	-118.344173	3.6	3	unknown	unknown
Biofiltration Swale	7	LA	4	3	405		17.00	17.00	33.878155	-118.345951	5	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	3	405		17.60	17.60	33.884740	-118.352687	3.7	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	17.90	17.90	33.887659	-118.357384	1.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	18.67	18.67	33.894964	-118.367653	3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405	S	19.22	19.22	33.901455	-118.370907	19.22	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	405		19.30	19.30	33.902951	-118.370408	10.3	2.7	unknown	unknown
Biofiltration Swale	7	LA	4	3	405		21.80	21.80	33.939046	-118.368372	4	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	3	405		22.20	22.20	33.944802	-118.368363	7.4	0.8	unknown	unknown
Biofiltration Swale	7	LA	4	3	405		22.30	22.30	33.946271	-118.368353	6.8	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	4.00	4.30	33.761422	-118.229180	7.3	0.2	unknown	unknown
Detention Basin	7	LA	4	2	110		9.83	9.83	33.872213	-118.284962	9.97	3.25	unknown	unknown
Detention Basin	7	LA	4	3	105	E	5.60	5.60	33.925446	-118.311449	unknown	unknown	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	1	110	S	2.82	2.82	33.772528	-118.280399	unknown	0.44	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	91	E	7.00	7.00	33.872670	-118.273586	unknown	1.42	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	91	E	8.24	8.24	33.873628	-118.252055	unknown	1.34	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	110	S	6.26	6.26	33.871639	-118.286498	unknown	0.4	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	110	N	6.41	6.41	33.872203	-118.283820	unknown	0.11	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	110	N	7.89	7.89	33.844109	-118.285248	unknown	0.25	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	405	N	18.28	18.28	33.891203	-118.361693	unknown	4.47	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	3.84	3.84	33.787173	-118.280844	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	3.92	3.92	33.788318	-118.280827	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	3.94	3.94	33.790308	-118.282539	2.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	3.98	3.98	33.790783	-118.281686	0.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	4.23	4.23	33.792522	-118.283445	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	4.57	4.57	33.798040	-118.287649	1.14	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	4.59	4.59	33.798697	-118.287163	0.98	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	4.70	4.70	33.800064	-118.288173	4.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	5.23	5.23	33.807061	-118.287254	1.05	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	5.32	5.32	33.807048	-118.288431	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	7.90	7.90	33.845500	-118.285785	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	110	S	8.80	8.80	33.857889	-118.285118	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	105	E	4.32	4.32	33.924616	-118.333543	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	105	E	4.44	4.44	33.924562	-118.331412	1.72	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	105	E	4.47	4.47	33.924636	-118.330973	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	105	E	4.83	4.83	33.924952	-118.324882	1.72	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	47	N	9.34	9.34	33.787016	-118.242217	4.41	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	91		7.71	7.71	33.873530	-118.261301	5.79	1.78	unknown	unknown
Infiltration Trench	7	LA	4	1	710	N	5.20	5.20	33.766883	-118.209795	0.5	unknown	unknown	unknown
Infiltration Trench	7	LA	4	1	710	S	5.30	5.30	33.767249	-118.208366	2.4	0.3	unknown	unknown
Other	7	LA	4	3	47		1.90	1.90	33.748873	-118.267394	unknown	unknown	unknown	unknown
Other	7	LA	4	3	105		1.85	1.85	33.929999	-118.372950	unknown	unknown	unknown	unknown

Treatment BMP List - Garcia River Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Gualala River Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Klamath River in California Temperature, Dissolved Oxygen, Nutrients, and Microcystin TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	1	HUM	1	2	96	E	6.20	6.20	41.002045	-123.648374	0.27	unknown	unknown	unknown
Biofiltration Strip	1	HUM	1	2	96	E	6.33	6.33	41.003839	-123.649310	0.14	unknown	unknown	unknown
Biofiltration Strip	1	HUM	1	2	96	E	6.38	6.38	41.004633	-123.649211	0.26	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	19	3	S	48.00	48.00	41.714048	-122.640901	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	19	3	S	48.01	48.01	41.714180	-122.640850	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	19	3	S	48.05	48.05	41.714717	-122.640654	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	19	3	S	48.90	48.90	41.726716	-122.637858	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	19	3	S	48.95	48.95	41.727371	-122.637434	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	19	3	S	49.06	49.06	41.728860	-122.636654	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	19	3	S	49.30	49.30	41.732211	-122.635500	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	19	3	S	49.57	49.57	41.736036	-122.634445	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	19	3	S	49.58	49.58	41.736175	-122.634409	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	19	5	N	44.30	44.30	41.685486	-122.635414	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	19	5	N	44.34	44.34	41.685970	-122.635784	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	19	5	N	44.48	44.48	41.687767	-122.636859	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	19	5	N	46.80	46.80	41.720250	-122.637719	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	19	263	N	49.85	49.85	41.752207	-122.629045	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	20	97	N	0.70	0.70	41.431727	-122.388514	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	20	97	N	1.04	1.04	41.436424	-122.387100	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	20	97	N	1.30	1.30	41.440191	-122.386117	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	20	97	N	1.48	1.48	41.441310	-122.383024	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	20	97	N	2.30	2.30	41.445842	-122.368058	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	20	97	N	2.50	2.50	41.447186	-122.365315	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	20	97	N	2.63	2.63	41.448481	-122.363794	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	20	97	N	2.70	2.70	41.449314	-122.363124	unknown	unknown	unknown	unknown
Biofiltration Strip	2	SIS	1	21	96	W	60.17	60.17	41.842597	-123.197354	0.01	unknown	unknown	unknown
Biofiltration Swale	1	HUM	1	2	96	E	6.33	6.33	41.003836	-123.649297	0.19	3.9	unknown	unknown
Biofiltration Swale	1	HUM	1	2	96	E	6.38	6.38	41.004637	-123.649230	0.74	4.4	unknown	unknown
Biofiltration Swale	1	HUM	1	3	299	E	30.62	30.62	40.906213	-123.750374	0.68	11	unknown	unknown
Biofiltration Swale	2	TRI	1	8	3	N	6.60	6.60	40.551363	-123.191133	unknown	unknown	unknown	unknown
Biofiltration Swale	2	TRI	1	12	299	W	69.62	69.62	40.654697	-122.762295	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	44.50	44.50	41.688041	-122.636984	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	44.60	44.60	41.689431	-122.637542	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	44.78	44.78	41.691949	-122.638511	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	44.98	44.98	41.694747	-122.639592	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	45.00	45.00	41.695025	-122.639700	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	45.16	45.16	41.697259	-122.640559	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	45.20	45.20	41.697820	-122.640776	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	45.35	45.35	41.699920	-122.641589	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	46.49	46.49	41.715988	-122.639597	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	46.50	46.50	41.716124	-122.639536	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	46.61	46.61	41.717629	-122.638869	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	46.90	46.90	41.721629	-122.637114	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	47.10	47.10	41.724395	-122.635898	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	47.25	47.25	41.726467	-122.634980	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	47.30	47.30	41.727156	-122.634673	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	47.56	47.56	41.730733	-122.633068	unknown	unknown	unknown	unknown
Biofiltration Swale	2	SIS	1	19	5	N	47.60	47.60	41.731296	-122.632819	unknown	unknown	unknown	unknown
Detention Basin	2	TRI	1	7	36	W	21.90	21.90	40.389793	-123.251575	unknown	unknown	unknown	unknown
Detention Basin	2	TRI	1	8	3	S	18.10	18.10	40.595395	-123.015967	unknown	unknown	unknown	unknown
Detention Basin	2	SIS	1	20	5	S	21.20	21.20	41.430393	-122.411038	unknown	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	2	SIS	1	21	96	E	52.43	52.43	41.861652	-123.309812	0.02	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	2	SIS	1	21	96	E	88.25	88.25	41.870006	-122.817576	0.06	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	2	SIS	1	21	96	E	88.31	88.31	41.870228	-122.816324	0.06	unknown	unknown	unknown
Infiltration Basin	2	SIS	1	18	263	N	57.00	57.00	41.830235	-122.592784	unknown	unknown	unknown	unknown
Infiltration Basin	2	SIS	1	22	5		58.60	58.60	41.860872	-122.567975	unknown	unknown	unknown	unknown
Infiltration Basin	2	SIS	1	25	161	W	14.90	14.90	41.998979	-121.605919	unknown	unknown	unknown	unknown
Infiltration Basin	2	MOD	1	26	139	S	26.50	26.50	41.653200	-121.243964	unknown	unknown	unknown	unknown
Other	2	TRI	1	11	3	N	32.85	32.85	40.752189	-122.915187	unknown	0.36	unknown	unknown
Other	2	TRI	1	11	3	N	33.43	33.43	40.755284	-122.908471	unknown	11.75	unknown	unknown
Other	2	TRI	1	11	3	S	34.12	34.12	40.751454	-122.898853	unknown	0.22	unknown	unknown
Other	2	TRI	1	11	3	S	36.84	36.84	40.781039	-122.893063	unknown	0.04	unknown	unknown
Other	2	TRI	1	11	3	S	36.93	36.93	40.782507	-122.893010	unknown	18.38	unknown	unknown
Other	2	TRI	1	11	3	S	37.37	37.37	40.789252	-122.893216	unknown	0.72	unknown	unknown
Other	2	TRI	1	11	3	N	37.55	37.55	40.791941	-122.893482	unknown	0.37	unknown	unknown
Other	2	TRI	1	11	3	N	37.76	37.76	40.794762	-122.892637	unknown	0.61	unknown	unknown
Other	2	TRI	1	11	3	S	37.81	37.81	40.795030	-122.891882	unknown	15.11	unknown	unknown
Other	2	TRI	1	11	3	S	37.99	37.99	40.795213	-122.889129	unknown	7.63	unknown	unknown
Other	2	TRI	1	11	3	N	38.42	38.42	40.801397	-122.889903	unknown	0.2	unknown	unknown
Other	2	TRI	1	11	3	N	38.58	38.58	40.803846	-122.890396	unknown	0.04	unknown	unknown
Other	2	TRI	1	11	3	S	38.76	38.76	40.804727	-122.888290	unknown	0.04	unknown	unknown
Other	2	TRI	1	11	3	S	38.82	38.82	40.805356	-122.887804	unknown	0.04	unknown	unknown
Other	2	TRI	1	11	3	S	39.55	39.55	40.814714	-122.891250	unknown	1.96	unknown	unknown
Other	2	TRI	1	11	3	S	39.72	39.72	40.817319	-122.891792	unknown	7.28	unknown	unknown
Traction Sand Trap	1	HUM	1	3	299		29.09	29.09	40.896543	-123.769694	unknown	unknown	unknown	unknown
Traction Sand Trap	1	HUM	1	3	299	E	34.08	34.08	40.918562	-123.699223	unknown	unknown	unknown	unknown
Traction Sand Trap	1	HUM	1	3	299	E	34.41	34.41	40.921741	-123.695169	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	8	3		6.20	6.20	40.545649	-123.191158	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	11	299	W	51.02	51.02	40.736159	-122.948015	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	E	64.16	64.16	40.672531	-122.850962	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	66.48	66.48	40.668647	-122.812117	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	66.71	66.71	40.665959	-122.808965	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	66.77	66.77	40.665251	-122.808129	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	66.85	66.85	40.664307	-122.807014	unknown	unknown	unknown	unknown

Traction Sand Trap	2	TRI	1	12	299	W	67.10	67.10	40.662451	-122.803046	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	67.70	67.70	40.664749	-122.792074	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	67.81	67.81	40.665136	-122.790000	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	68.38	68.38	40.663683	-122.780224	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	68.73	68.73	40.658814	-122.777313	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	69.70	69.70	40.654289	-122.760878	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	69.71	69.71	40.654238	-122.760701	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	69.80	69.80	40.653931	-122.759082	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	70.67	70.67	40.648515	-122.748447	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	71.22	71.22	40.640515	-122.746933	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	71.35	71.35	40.638813	-122.745680	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	71.58	71.58	40.635814	-122.743445	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	71.90	71.90	40.633734	-122.739077	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	12	299	W	71.97	71.97	40.633756	-122.737939	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	13	3	S	46.90	46.90	40.852390	-122.825427	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	13	3		59.60	59.60	40.981402	-122.712120	unknown	unknown	unknown	unknown
Traction Sand Trap	2	SIS	1	18	5	N	28.70	28.70	41.517417	-122.473612	unknown	unknown	unknown	unknown
Traction Sand Trap	2	SIS	1	19	3	S	46.50	46.50	41.693577	-122.651449	unknown	unknown	unknown	unknown
Traction Sand Trap	2	SIS	1	20	5	S	16.70	16.70	41.387116	-122.375314	unknown	unknown	unknown	unknown
Traction Sand Trap	2	SIS	1	20	5	N	21.56	21.56	41.429383	-122.417277	unknown	unknown	unknown	unknown
Traction Sand Trap	2	SIS	1	20	5	N	22.16	22.16	41.430518	-122.427401	unknown	unknown	unknown	unknown
Traction Sand Trap	2	SIS	1	21	96		60.80	60.80	41.837662	-123.187503	unknown	unknown	unknown	unknown
Traction Sand Trap	2	MOD	1	26	139		44.90	44.90	41.885457	-121.375011	unknown	unknown	unknown	unknown

Treatment BMP List - Lake Elsinore and Canyon Lake Nutrients TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	8	RIV	8	2	60	W	18.90	18.90	33.939267	-117.182257	unknown	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	60	W	19.10	19.10	33.939280	-117.178791	unknown	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	60	E	19.10	19.10	33.939280	-117.178791	unknown	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	60	W	19.12	19.12	33.939281	-117.178443	unknown	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	60	W	19.20	19.20	33.939276	-117.177050	unknown	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	60	W	19.30	19.30	33.939273	-117.175312	unknown	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	60	E	19.30	19.30	33.939273	-117.175312	unknown	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	60	W	19.50	19.50	33.939266	-117.171839	unknown	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	60	W	21.10	21.10	33.939304	-117.144004	unknown	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	74	E	35.82	35.82	33.743851	-117.052051	unknown	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	N	15.02	15.02	33.642256	-117.170685	1.95	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	N	16.87	16.87	33.655179	-117.170984	1.05	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	S	17.07	17.07	33.668169	-117.171259	2.97	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	N	17.30	17.30	33.676947	-117.170660	2.86	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	N	17.77	17.77	33.684064	-117.170685	1.46	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	N	19.17	19.17	33.693561	-117.176152	0.76	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	N	19.69	19.69	33.700155	-117.180610	2	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	N	19.69	19.69	33.700155	-117.180610	2	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	S	20.15	20.15	33.710075	-117.187971	1.49	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	N	20.21	20.21	33.716069	-117.188504	1.04	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	S	20.42	20.42	33.714103	-117.189520	1.93	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	S	20.54	20.54	33.715975	-117.189670	1.37	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	N	20.75	20.75	33.724231	-117.188905	2.32	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	S	21.03	21.03	33.723387	-117.189481	2.35	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	N	21.43	21.43	33.734448	-117.188984	0.46	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	S	21.74	21.74	33.734286	-117.189619	0.54	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	S	22.90	22.90	33.752018	-117.189575	0.82	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	N	25.68	25.68	33.784689	-117.216800	0.66	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	N	26.18	26.18	33.788706	-117.223202	0.42	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	S	26.46	26.46	33.788518	-117.223450	0.8	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	N	26.66	26.66	33.792968	-117.229093	0.43	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	N	26.88	26.88	33.795945	-117.230603	0.53	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	S	27.55	27.55	33.801356	-117.233283	0.97	unknown	unknown	unknown
Biofiltration Strip	8	RIV	8	2	215	S	27.57	27.57	33.801733	-117.232911	0.61	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	1	15	S	18.57	18.57	33.661795	-117.298605	1.3	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	1	15	S	18.75	18.75	33.658474	-117.295547	3.38	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	1	15	S	19.00	19.00	33.661926	-117.299215	2.35	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	1	15	S	19.05	19.05	33.660923	-117.297756	1.34	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	1	15	N	19.10	19.10	33.661269	-117.297248	3.34	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	1	15	N	19.66	19.66	33.667934	-117.305021	1.08	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	1	15	N	19.97	19.97	33.670392	-117.309052	0.92	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	1	15	N	20.15	20.15	33.672599	-117.313355	1.54	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	1	74	W	23.60	23.60	33.758376	-117.271045	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	1	74	W	23.63	23.63	33.758677	-117.270774	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	E	14.80	14.80	33.940948	-117.253404	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	E	15.00	15.00	33.940999	-117.249909	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	E	15.00	15.00	33.941000	-117.249919	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	E	15.70	15.70	33.941123	-117.237743	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	W	16.78	16.78	33.939226	-117.219247	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	E	16.78	16.78	33.939226	-117.219247	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	W	16.80	16.80	33.939225	-117.218898	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	W	17.00	17.00	33.939219	-117.215399	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	E	17.00	17.00	33.939219	-117.215399	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	W	17.49	17.49	33.939231	-117.206838	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	W	17.80	17.80	33.939250	-117.201417	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	E	18.35	18.35	33.939257	-117.191804	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	W	18.35	18.35	33.939257	-117.191804	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	W	18.50	18.50	33.939245	-117.189196	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	W	19.05	19.05	33.939278	-117.179657	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	60	E	19.05	19.05	33.939278	-117.179657	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	74	E	35.80	35.80	33.743851	-117.052399	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	79	S	35.63	35.63	33.735482	-117.055233	8.6	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	79	N	35.71	35.71	33.734308	-117.053915	8.6	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	15.17	15.17	33.644554	-117.170841	0.09	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	15.37	15.37	33.642171	-117.171663	1.53	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	15.39	15.39	33.647903	-117.170993	0.66	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	15.73	15.73	33.647616	-117.171463	2.37	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	15.92	15.92	33.656025	-117.170973	0.36	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	16.12	16.12	33.658994	-117.170885	0.05	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	16.22	16.22	33.660467	-117.170823	0.2	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	16.28	16.28	33.656002	-117.171466	2.72	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	16.70	16.70	33.662503	-117.171280	1.99	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	17.75	17.75	33.683811	-117.170468	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	17.79	17.79	33.684567	-117.170446	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	17.87	17.87	33.685633	-117.171175	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	17.88	17.88	33.680417	-117.171218	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	17.89	17.89	33.685966	-117.171275	1.05	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	17.96	17.96	33.686795	-117.171785	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	18.12	18.12	33.682543	-117.171582	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	18.14	18.14	33.684360	-117.171713	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	18.15	18.15	33.682663	-117.170599	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	18.15	18.15	33.682482	-117.171535	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	18.24	18.24	33.685611	-117.172419	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	18.26	18.26	33.686010	-117.172273	2.21	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	18.28	18.28	33.686043	-117.172899	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	18.28	18.28	33.685856	-117.173387	unknown	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	18.61	18.61	33.695077	-117.177170	0.25	unknown	unknown	unknown

Biofiltration Swale	8	RIV	8	2	215	S	18.78	18.78	33.692697	-117.176268	0.13	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	18.82	18.82	33.693325	-117.176685	0.13	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	18.98	18.98	33.695364	-117.177960	0.11	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	19.07	19.07	33.696422	-117.178743	0.1	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	19.07	19.07	33.701078	-117.180991	0.06	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	19.32	19.32	33.699696	-117.180855	0.15	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	19.45	19.45	33.701362	-117.181952	0.12	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	19.49	19.49	33.706289	-117.184576	1.72	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	19.85	19.85	33.706309	-117.185511	1.25	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	19.86	19.86	33.710946	-117.187592	3.51	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	20.05	20.05	33.713649	-117.188373	2.7	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	20.11	20.11	33.705192	-117.184602	1.9	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	21.15	21.15	33.730317	-117.188962	0.65	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	N	22.82	22.82	33.755604	-117.188779	1.18	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	23.17	23.17	33.756185	-117.190188	2.45	unknown	unknown	unknown
Biofiltration Swale	8	RIV	8	2	215	S	25.93	25.93	33.784015	-117.216759	1.01	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	28.69	28.72	33.744314	-117.172843	0.14	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	28.69	28.72	33.744314	-117.172843	0.14	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	29.11	29.14	33.742952	-117.166151	0.24	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	29.22	29.28	33.742976	-117.164181	0.49	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	30.03	30.05	33.743132	-117.150089	0.19	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	30.05	30.11	33.743138	-117.149741	0.51	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	30.11	30.18	33.743142	-117.148699	0.62	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	30.19	30.22	33.743143	-117.147317	0.4	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	30.24	30.36	33.743144	-117.146451	1.08	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	30.38	30.50	33.743148	-117.144026	1.02	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	30.50	30.73	33.743149	-117.141948	1.91	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	30.75	30.78	33.743155	-117.137614	0.77	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	W	30.96	31.15	33.743164	-117.133905	0.34	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	32.50	32.50	33.743384	-117.106974	0.17	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	32.52	32.54	33.743378	-117.106628	0.19	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	32.54	32.58	33.743363	-117.106284	0.38	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	33.47	33.54	33.738748	-117.091355	0.21	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	33.55	33.60	33.738774	-117.089977	0.2	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	33.60	33.61	33.738790	-117.089115	0.09	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	34.14	34.18	33.739005	-117.079762	0.17	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	34.26	34.28	33.739062	-117.077719	0.12	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	35.05	35.11	33.741596	-117.064532	0.61	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	35.11	35.36	33.742231	-117.063755	2.65	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	35.36	35.64	33.743854	-117.059996	1.43	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	E	35.66	35.74	33.743853	-117.054791	0.43	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	8	RIV	8	2	74	W	37.29	37.38	33.743868	-117.026506	0.37	unknown	unknown	unknown
Detention Basin	8	RIV	8	1	74	E	21.70	21.70	33.734773	-117.286307	unknown	unknown	unknown	unknown
Detention Basin	8	RIV	8	1	74	W	22.90	22.90	33.749557	-117.275875	unknown	unknown	unknown	unknown
Detention Basin	8	RIV	8	1	74	E	23.20	23.20	33.753909	-117.274622	unknown	unknown	unknown	unknown
Detention Basin	8	RIV	8	1	74	E	23.80	23.80	33.760208	-117.268459	unknown	unknown	unknown	unknown
Detention Basin	8	RIV	8	1	74	E	23.81	23.81	33.760380	-117.268342	unknown	unknown	unknown	unknown
Detention Basin	8	RIV	8	2	60	W	17.50	17.50	33.939232	-117.206663	unknown	unknown	unknown	unknown
Detention Basin	8	RIV	8	2	74	W	25.00	25.00	33.770786	-117.252566	unknown	unknown	unknown	unknown
Detention Basin	8	RIV	8	2	74	E	25.30	25.30	33.773636	-117.248798	unknown	unknown	unknown	unknown
Detention Basin	8	RIV	8	2	74	E	25.69	25.69	33.778280	-117.245270	unknown	unknown	unknown	unknown
Infiltration Basin	8	RIV	8	2	79		15.59	15.59	33.692234	-117.076441	9.9	1	unknown	unknown
Infiltration Basin	8	RIV	8	2	79		15.80	15.80	33.694899	-117.066973	11.33	1	unknown	unknown
Infiltration Basin	8	RIV	8	2	79		15.98	15.98	33.697403	-117.068673	1.08	0.2	unknown	unknown
Infiltration Basin	8	RIV	8	2	79		16.20	16.20	33.700688	-117.068030	12.72	2.5	unknown	unknown
Infiltration Basin	8	RIV	8	2	79		17.54	17.54	33.708044	-117.066913	6.25	1	unknown	unknown
Infiltration Basin	8	RIV	8	2	79		17.62	17.62	33.715173	-117.068019	2.89	0.25	unknown	unknown
Infiltration Basin	8	RIV	8	2	79		17.66	17.66	33.716576	-117.068157	10.54	2	unknown	unknown
Infiltration Basin	8	RIV	8	2	79		17.98	17.98	33.722136	-117.067749	20.6	4	unknown	unknown
Infiltration Basin	8	RIV	8	2	79	S	26.40	26.40	33.799137	-117.005936	6.04	1.5	unknown	unknown
Infiltration Basin	8	RIV	8	2	79	S	32.27	32.27	33.789044	-117.025500	14.2	3.5	unknown	unknown
Infiltration Basin	8	RIV	8	2	79	S	32.27	32.27	33.817223	-117.004225	35.96	8	unknown	unknown
Infiltration Basin	8	RIV	8	2	79		32.72	32.72	33.830032	-117.005087	5.78	1.3	unknown	unknown
Infiltration Basin	8	RIV	8	2	79		36.24	36.24	33.742492	-117.044764	8.51	1.6	unknown	unknown
Infiltration Basin	8	RIV	8	2	79	N	36.47	36.47	33.750386	-117.040764	24.43	6	unknown	unknown
Infiltration Basin	8	RIV	8	2	79	N	36.80	36.80	33.767980	-117.035135	19.37	4	unknown	unknown
Infiltration Basin	8	RIV	8	2	79	S	37.04	37.04	33.779449	-117.030886	7.07	1.5	unknown	unknown

Infiltration Basin	8	RIV	8	2	79		38.18	38.18	33.785692	-117.025907	19.32	4.5	unknown	unknown

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Treatment BMP List - Lake Tahoe Sediment and Nutrients TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	3	PLA	6	1	28	S	6.87	6.87	39.259000	-120.069300	unknown	unknown	unknown	unknown
Austin Sand Filter	3	PLA	6	1	28	S	6.93	6.93	39.258500	-120.068300	unknown	unknown	unknown	unknown
Austin Sand Filter	3	PLA	6	1	28	S	7.04	7.04	39.258300	-120.066400	unknown	unknown	unknown	unknown
Biofiltration Swale	3	PLA	6	1	28	S	2.09	2.09	39.187864	-120.118655	unknown	unknown	unknown	unknown
Biofiltration Swale	3	PLA	6	1	28	S	2.20	2.20	39.188590	-120.116977	unknown	unknown	unknown	unknown
Biofiltration Swale	3	PLA	6	1	28	N	2.30	2.30	39.189146	-120.115345	unknown	unknown	unknown	unknown
Biofiltration Swale	3	PLA	6	1	28	S	2.40	2.40	39.189878	-120.113777	unknown	unknown	unknown	unknown
Biofiltration Swale	3	PLA	6	1	28	M	2.48	2.48	39.189967	-120.112486	unknown	unknown	unknown	unknown
Biofiltration Swale	3	PLA	6	1	28	M	2.50	2.50	39.189994	-120.112165	unknown	unknown	unknown	unknown
Biofiltration Swale	3	PLA	6	1	28	M	2.59	2.59	39.190078	-120.110667	unknown	unknown	unknown	unknown
Biofiltration Swale	3	PLA	6	1	28	N	2.95	2.95	39.191887	-120.105140	unknown	unknown	unknown	unknown
Biofiltration Swale	3	PLA	6	1	28	M	3.47	3.47	39.197232	-120.099342	unknown	unknown	unknown	unknown
Biofiltration Swale	3	PLA	6	1	28	M	6.52	6.52	39.227954	-120.071573	unknown	unknown	unknown	unknown
Biofiltration Swale	3	PLA	6	1	28	M	8.18	8.18	39.240043	-120.051403	unknown	unknown	unknown	unknown
Biofiltration Swale	3	PLA	6	1	28	M	8.79	8.79	39.238924	-120.041010	unknown	unknown	unknown	unknown
Biofiltration Swale	3	PLA	6	1	28	E	10.24	10.24	39.233700	-120.016300	unknown	unknown	unknown	unknown
Biofiltration Swale	3	PLA	6	1	28	E	10.75	10.75	39.227600	-120.010400	unknown	unknown	unknown	unknown
Biofiltration Swale	3	ED	6	1	89	N	20.74	20.74	38.992251	-120.109193	unknown	unknown	unknown	unknown
Biofiltration Swale	3	ED	6	1	89	N	24.88	24.88	39.035469	-120.125294	0.44	unknown	unknown	unknown
Biofiltration Swale	3	ED	6	2	89	N	3.21	3.21	38.793453	-119.996489	0.29	unknown	unknown	unknown
Biofiltration Swale	3	ED	6	2	89	N	3.22	3.22	38.793356	-119.996669	0.31	unknown	unknown	unknown
Biofiltration Swale	3	ED	6	2	89	N	6.01	6.01	38.815400	-120.016497	0.14	unknown	unknown	unknown
Biofiltration Swale	3	ED	6	2	89	S	6.11	6.11	38.816528	-120.017589	0.22	unknown	unknown	unknown
Biofiltration Swale	3	ED	6	2	89	S	6.35	6.35	38.820000	-120.018767	0.38	unknown	unknown	unknown
Biofiltration Swale	3	ED	6	2	89	S	6.72	6.72	38.825369	-120.018200	0.36	unknown	unknown	unknown
Biofiltration Swale	3	ED	6	2	89	N	7.99	7.99	38.843989	-120.018414	0.51	unknown	unknown	unknown
Detention Basin	3	PLA	6	1	28	W	3.20	3.20	39.194486	-120.101259	unknown	unknown	unknown	unknown
Detention Basin	3	NEV	6	1	89	W	1.02	1.02	39.204400	-120.102900	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	1	89	N	14.61	14.61	38.948422	-120.082211	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	1	89	N	14.70	14.70	38.949331	-120.083381	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	1	89	N	14.71	14.71	38.949331	-120.083478	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	1	89	N	14.80	14.80	38.949967	-120.084731	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	1	89	N	19.31	19.31	38.975460	-120.100368	unknown	unknown	unknown	unknown
Detention Basin	3	PLA	6	1	267	S	7.86	7.86	39.257800	-120.051900	unknown	unknown	unknown	unknown
Detention Basin	3	PLA	6	1	267	S	8.06	8.06	39.257400	-120.048400	unknown	unknown	unknown	unknown
Detention Basin	3	PLA	6	1	267	S	9.15	9.15	39.238300	-120.034900	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	2	50	E	70.22	70.22	38.847410	-120.028241	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	2	50	E	72.96	72.96	38.879800	-120.004100	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	2	50	E	73.04	73.04	38.881200	-120.003600	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	2	50	E	73.22	73.22	38.883600	-120.002500	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	2	50	E	73.37	73.37	38.885500	-120.001700	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	2	50	E	73.45	73.45	38.886600	-120.001200	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	2	50	E	73.51	73.51	38.887500	-120.000900	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	2	50	E	73.59	73.59	38.888800	-120.000200	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	2	50	E	76.73	76.73	38.925338	-119.986228	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	2	50	E	76.74	76.74	38.925357	-119.986200	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	2	50	E	76.74	76.74	38.925366	-119.986187	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	2	89		8.20	8.20	38.846908	-120.019299	unknown	unknown	unknown	unknown
Detention Basin	3	ED	6	2	89		8.20	8.20	38.846908	-120.019299	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	N	2.66	2.66	39.190068	-120.109494	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	M	2.74	2.74	39.190273	-120.108194	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	E	3.17	3.17	39.194343	-120.101702	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	S	3.24	3.24	39.194585	-120.101350	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	M	3.29	3.29	39.194757	-120.100492	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	M	3.47	3.47	39.197232	-120.099342	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	M	3.53	3.53	39.198049	-120.098823	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	M	3.58	3.58	39.198323	-120.098055	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	M	3.66	3.66	39.198647	-120.096793	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	M	6.49	6.49	39.227709	-120.072021	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	S	6.72	6.72	39.230800	-120.070000	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	S	6.78	6.78	39.231800	-120.070100	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	S	6.89	6.89	39.233700	-120.070400	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	S	7.00	7.00	39.235500	-120.070300	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	S	7.01	7.01	39.235700	-120.070300	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	28	S	7.16	7.16	39.236700	-120.068000	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	S	18.11	18.11	38.960404	-120.103130	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	N	18.11	18.11	38.960404	-120.103130	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	N	19.34	19.34	38.975773	-120.100591	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	S	19.35	19.35	38.975950	-120.100736	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	S	19.40	19.40	38.976472	-120.101196	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	S	19.45	19.45	38.976920	-120.101792	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	S	19.50	19.50	38.977365	-120.102502	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	N	19.50	19.50	38.977387	-120.102539	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	S	19.55	19.55	38.977779	-120.103149	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	N	19.59	19.59	38.978155	-120.103599	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	S	19.75	19.75	38.980611	-120.104206	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	S	20.23	20.23	38.986182	-120.107842	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	N	20.39	20.39	38.988358	-120.108631	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	N	20.48	20.48	38.989140	-120.109808	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	N	20.76	20.76	38.992463	-120.108969	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	1	89	N	23.06	23.06	39.017979	-120.126335	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	N	6.83	6.83	39.259849	-120.070587	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	N	6.86	6.86	39.259505	-120.070069	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	N	7.05	7.05	39.258290	-120.066981	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	N	7.06	7.06	39.258300	-120.066782	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	N	7.11	7.11	39.258404	-120.065917	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	N	7.24	7.24	39.258589	-120.063441	unknown	unknown	unknown	unknown

Infiltration Basin	3	PLA	6	1	267	N	7.35	7.35	39.258498	-120.061443	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	N	7.36	7.36	39.258484	-120.061296	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	N	7.37	7.37	39.258471	-120.061167	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	N	7.38	7.38	39.258452	-120.060965	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	S	7.51	7.51	39.258000	-120.058300	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	S	7.63	7.63	39.257900	-120.056400	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	S	7.75	7.75	39.257800	-120.054100	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	N	7.86	7.86	39.258064	-120.052232	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	S	8.04	8.04	39.257691	-120.049034	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	S	8.21	8.21	39.257000	-120.045896	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	S	8.45	8.45	39.254533	-120.042513	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	N	8.55	8.55	39.253845	-120.040791	unknown	unknown	unknown	unknown
Infiltration Basin	3	PLA	6	1	267	N	8.80	8.80	39.252122	-120.036625	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	W	69.38	69.38	38.842371	-120.040450	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	70.23	70.23	38.847419	-120.028232	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	70.37	70.37	38.849127	-120.026217	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	W	70.63	70.63	38.851058	-120.022238	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	W	70.68	70.68	38.851449	-120.021441	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	W	70.73	70.73	38.851815	-120.020659	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	70.73	70.73	38.851839	-120.020609	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	W	70.76	70.76	38.852041	-120.020186	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	70.76	70.76	38.852057	-120.020152	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	70.84	70.84	38.852668	-120.018836	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	W	70.85	70.85	38.852802	-120.018555	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	W	70.91	70.91	38.853293	-120.017749	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	70.95	70.95	38.853614	-120.017095	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	W	71.00	71.00	38.853934	-120.016186	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	71.03	71.03	38.854105	-120.015794	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	W	71.06	71.06	38.854313	-120.015332	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	71.07	71.07	38.854402	-120.015139	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	71.13	71.13	38.854812	-120.014298	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	71.15	71.15	38.854960	-120.014059	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	W	71.16	71.16	38.855022	-120.013964	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	72.63	72.63	38.874783	-120.005513	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	73.00	73.00	38.879755	-120.004475	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	73.09	73.09	38.880980	-120.003928	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	73.23	73.23	38.882729	-120.003142	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	73.35	73.35	38.884314	-120.002440	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	W	73.47	73.47	38.885883	-120.001748	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	73.48	73.48	38.885982	-120.001705	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	73.56	73.56	38.886881	-120.001298	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	W	74.90	74.90	38.906138	-120.000246	unknown	unknown	unknown	unknown
Infiltration Basin	3	ED	6	2	50	E	76.74	76.74	38.925348	-119.986214	unknown	unknown	unknown	unknown
Infiltration Trench	3	PLA	6	1	89	N	0.02	0.02	39.067695	-120.128608	unknown	unknown	unknown	unknown
Infiltration Trench	3	PLA	6	1	89	N	0.32	0.32	39.068483	-120.133926	unknown	unknown	unknown	unknown
Infiltration Trench	3	PLA	6	1	89	N	0.42	0.42	39.068670	-120.135562	unknown	unknown	unknown	unknown
Infiltration Trench	3	PLA	6	1	89	N	2.12	2.12	39.083148	-120.158889	unknown	unknown	unknown	unknown
Infiltration Trench	3	PLA	6	1	89	S	2.58	2.58	39.089336	-120.162116	unknown	unknown	unknown	unknown
Infiltration Trench	3	PLA	6	1	89	N	2.63	2.63	39.090112	-120.162230	unknown	unknown	unknown	unknown
Infiltration Trench	3	PLA	6	1	89	N	2.71	2.71	39.091215	-120.162710	unknown	unknown	unknown	unknown
Infiltration Trench	3	PLA	6	1	89	N	2.72	2.72	39.091337	-120.162812	unknown	unknown	unknown	unknown
Infiltration Trench	3	PLA	6	1	89	N	5.37	5.37	39.127307	-120.162035	unknown	unknown	unknown	unknown
Infiltration Trench	3	PLA	6	1	89	S	5.53	5.53	39.129412	-120.160848	unknown	unknown	unknown	unknown
Infiltration Trench	3	PLA	6	1	89	N	5.59	5.59	39.130088	-120.160153	unknown	unknown	unknown	unknown
Infiltration Trench	3	ED	6	1	89	N	22.80	22.80	39.016065	-120.123696	unknown	unknown	unknown	unknown
Infiltration Trench	3	ED	6	2	50	E	70.23	70.23	38.847428	-120.028222	unknown	unknown	unknown	unknown
Infiltration Trench	3	ED	6	2	50	W	70.64	70.64	38.851146	-120.022085	unknown	unknown	unknown	unknown
Infiltration Trench	3	ED	6	2	50	E	70.79	70.79	38.852282	-120.019679	unknown	unknown	unknown	unknown
Infiltration Trench	3	ED	6	2	50	E	73.03	73.03	38.880109	-120.004314	unknown	unknown	unknown	unknown
Infiltration Trench	3	ED	6	2	50	E	73.16	73.16	38.881826	-120.003541	unknown	unknown	unknown	unknown
Infiltration Trench	3	ED	6	2	50	W	73.25	73.25	38.883051	-120.002999	unknown	unknown	unknown	unknown
Infiltration Trench	3	ED	6	2	50	W	73.55	73.55	38.886857	-120.001309	unknown	unknown	unknown	unknown
Infiltration Trench	3	ED	6	2	50	W	73.59	73.59	38.887319	-120.001097	unknown	unknown	unknown	unknown
Infiltration Trench	3	ED	6	2	50	W	73.68	73.68	38.888401	-120.000619	unknown	unknown	unknown	unknown
Other	3	NEV	6	1	89	W	1.02	1.02	39.204400	-120.102800	unknown	unknown	unknown	unknown
Other	3	ED	6	1	89	S	9.04	9.04	38.920253	-120.014905	unknown	unknown	unknown	unknown
Other	3	ED	6	1	89	N	9.06	9.06	38.920865	-120.017036	unknown	unknown	unknown	unknown
Other	3	ED	6	1	89	S	9.33	9.33	38.920470	-120.015959	unknown	unknown	unknown	unknown
Other	3	ED	6	1	89	S	9.39	9.39	38.920693	-120.017078	unknown	unknown	unknown	unknown
Other	3	ED	6	1	89	N	9.39	9.39	38.921268	-120.019058	unknown	unknown	unknown	unknown
Other	3	ED	6	1	89	S	9.49	9.49	38.921034	-120.018749	unknown	unknown	unknown	unknown
Other	3	ED	6	1	89	N	9.51	9.51	38.921460	-120.020007	unknown	unknown	unknown	unknown
Other	3	ED	6	1	89	S	9.55	9.55	38.921256	-120.019813	unknown	unknown	unknown	unknown
Other	3	ED	6	1	89	N	9.56	9.56	38.921557	-120.020467	unknown	unknown	unknown	unknown
Other	3	ED	6	1	89	N	9.58	9.58	38.923184	-120.025756	unknown	unknown	unknown	unknown
Other	3	ED	6	2	89		8.20	8.20	38.846908	-120.019299	unknown	unknown	unknown	unknown
Other	3	ED	6	2	89	S	8.77	8.77	38.915896	-120.007630	unknown	unknown	unknown	unknown
Other	3	ED	6	2	89	N	8.77	8.77	38.916032	-120.007495	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	1.22	1.22	39.179525	-120.130433	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	1.36	1.36	39.181353	-120.129000	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	1.48	1.48	39.182570	-120.127340	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	1.65	1.65	39.183608	-120.124581	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	1.77	1.77	39.184506	-120.122897	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	1.97	1.97	39.186561	-120.120344	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	2.55	2.55	39.189936	-120.111378	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	2.86	2.86	39.191153	-120.106378	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	3.17	3.17	39.194317	-120.101781	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	3.17	3.17	39.194333	-120.101733	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	3.22	3.22	39.194326	-120.101566	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	3.31	3.31	39.195253	-120.099771	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	3.31	3.31	39.195264	-120.099762	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	3.36	3.36	39.195561	-120.099658	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	3.38	3.38	39.196204	-120.099330	unknown	unknown	unknown	unknown

Traction Sand Trap	3	PLA	6	1	28	W	3.39	3.39	39.196353	-120.099327	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	3.45	3.45	39.197339	-120.099329	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	3.46	3.46	39.197435	-120.099307	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	3.49	3.49	39.197506	-120.099169	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	3.50	3.50	39.197886	-120.099283	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	3.60	3.60	39.198233	-120.097775	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	3.65	3.65	39.198397	-120.096939	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	3.78	3.78	39.200372	-120.096223	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	4.06	4.06	39.204844	-120.095228	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	4.17	4.17	39.206584	-120.094598	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	4.24	4.24	39.207339	-120.093686	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	4.25	4.25	39.207348	-120.093780	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	4.53	4.53	39.209443	-120.089620	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	4.72	4.72	39.211921	-120.088932	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	4.76	4.76	39.212747	-120.088678	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	4.77	4.77	39.212651	-120.088604	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	5.14	5.14	39.218403	-120.087304	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	5.47	5.47	39.223208	-120.086981	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	5.59	5.59	39.224587	-120.085740	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	5.60	5.60	39.224656	-120.085814	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	5.75	5.75	39.225729	-120.083622	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	5.89	5.89	39.226848	-120.081227	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	5.94	5.94	39.226871	-120.080380	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	5.95	5.95	39.226875	-120.080218	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	6.01	6.01	39.226878	-120.079199	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	6.03	6.03	39.226878	-120.078856	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	6.10	6.10	39.226844	-120.077636	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	6.34	6.34	39.226344	-120.074139	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	S	6.77	6.77	39.231600	-120.070100	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	6.86	6.86	39.233114	-120.070278	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	6.88	6.88	39.233463	-120.070381	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	6.98	6.98	39.140800	-120.041300	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	6.99	6.99	39.140800	-120.041400	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	6.99	6.99	39.140800	-120.041300	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	6.99	6.99	39.235419	-120.070299	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	7.00	7.00	39.235188	-120.070452	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	7.12	7.12	39.236522	-120.068764	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	7.25	7.25	39.236753	-120.066444	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	S	7.28	7.28	39.236700	-120.066000	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	7.49	7.49	39.237504	-120.062576	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	7.80	7.80	39.240306	-120.058150	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	7.82	7.82	39.240654	-120.057769	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	7.82	7.82	39.240654	-120.057769	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	7.83	7.83	39.240714	-120.057598	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	7.84	7.84	39.240632	-120.057495	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	7.85	7.85	39.240797	-120.057238	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	7.90	7.90	39.240767	-120.056322	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	7.95	7.95	39.240567	-120.055553	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	7.96	7.96	39.240607	-120.055215	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	7.97	7.97	39.240580	-120.055031	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	8.00	8.00	39.240501	-120.054478	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	8.01	8.01	39.240474	-120.054294	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	8.02	8.02	39.240447	-120.054109	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	8.03	8.03	39.240421	-120.053925	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	8.04	8.04	39.240394	-120.053740	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	8.04	8.04	39.240391	-120.053722	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	8.07	8.07	39.240314	-120.053187	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	8.20	8.20	39.239900	-120.051142	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	8.32	8.32	39.239637	-120.048554	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	8.45	8.45	39.239410	-120.046298	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	8.54	8.54	39.238560	-120.045230	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	8.60	8.60	39.238110	-120.044225	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	8.60	8.60	39.238110	-120.044225	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	8.80	8.80	39.238683	-120.041493	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	8.84	8.84	39.239214	-120.039986	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	8.85	8.85	39.239356	-120.040008	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	8.90	8.90	39.239519	-120.038964	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	9.10	9.10	39.238600	-120.035722	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	9.17	9.17	39.238212	-120.035052	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	9.30	9.30	39.238011	-120.032192	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	9.36	9.36	39.237892	-120.031111	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	9.38	9.38	39.237853	-120.030751	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	9.40	9.40	39.237813	-120.030391	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	9.42	9.42	39.237762	-120.030023	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	9.50	9.50	39.237550	-120.028556	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	9.81	9.81	39.236221	-120.023225	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	9.81	9.81	39.236216	-120.023208	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	9.88	9.88	39.235873	-120.022079	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	9.90	9.90	39.235783	-120.021742	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	10.03	10.03	39.235088	-120.019419	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	10.03	10.03	39.235082	-120.019401	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	10.10	10.10	39.234639	-120.018158	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	10.23	10.23	39.233399	-120.015954	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	10.25	10.25	39.232860	-120.015510	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	10.28	10.28	39.232365	-120.015214	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	10.29	10.29	39.233100	-120.015700	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	10.35	10.35	39.231539	-120.014761	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	E	10.37	10.37	39.231900	-120.015000	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	10.44	10.44	39.230556	-120.014219	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	10.47	10.47	39.230400	-120.014100	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	10.54	10.54	39.229400	-120.013400	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	10.66	10.66	39.228200	-120.011800	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	S	10.77	10.77	39.227500	-120.010000	unknown	unknown	unknown	unknown

Traction Sand Trap	3	PLA	6	1	28	E	10.85	10.85	39.227181	-120.008849	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	10.86	10.86	39.227100	-120.008500	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	28	W	10.92	10.92	39.226977	-120.007595	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	77.70	77.70	38.936956	-119.977287	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	77.72	77.72	38.937237	-119.977278	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	77.79	77.79	38.938222	-119.977264	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	77.81	77.81	38.938474	-119.977261	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	77.81	77.81	38.938502	-119.977261	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	77.85	77.85	38.939062	-119.977256	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	78.15	78.15	38.943437	-119.976927	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	78.19	78.19	38.943931	-119.976561	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	78.20	78.20	38.944049	-119.976454	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	78.20	78.20	38.944049	-119.976454	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	78.21	78.21	38.944166	-119.976344	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	78.22	78.22	38.944281	-119.976210	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	78.28	78.28	38.944810	-119.975299	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	78.28	78.28	38.944844	-119.975220	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	78.29	78.29	38.944875	-119.975136	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	78.37	78.37	38.945238	-119.973734	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	78.41	78.41	38.945390	-119.973018	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	78.42	78.42	38.945428	-119.972839	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	78.66	78.66	38.945620	-119.968581	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	78.87	78.87	38.946039	-119.964787	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.19	79.19	38.947804	-119.959283	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	79.19	79.19	38.947804	-119.959283	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.19	79.19	38.947811	-119.959266	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.22	79.22	38.948060	-119.958709	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	79.22	79.22	38.948060	-119.958709	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	79.23	79.23	38.948133	-119.958545	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	79.25	79.25	38.948280	-119.958217	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.25	79.25	38.948280	-119.958217	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	79.29	79.29	38.948565	-119.957559	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.29	79.29	38.948565	-119.957559	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	79.29	79.29	38.948572	-119.957544	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.29	79.29	38.948572	-119.957544	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	79.31	79.31	38.948708	-119.957243	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.31	79.31	38.948708	-119.957243	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.32	79.32	38.948779	-119.957085	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.33	79.33	38.948857	-119.956911	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	79.33	79.33	38.948857	-119.956911	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.34	79.34	38.948921	-119.956769	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.35	79.35	38.948992	-119.956611	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.37	79.37	38.949135	-119.956295	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.45	79.45	38.949718	-119.954998	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	79.45	79.45	38.949718	-119.954998	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.52	79.52	38.950202	-119.953924	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	79.52	79.52	38.950209	-119.953908	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	E	79.55	79.55	38.950416	-119.953449	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.55	79.55	38.950416	-119.953449	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.59	79.59	38.950700	-119.952817	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.59	79.59	38.950729	-119.952754	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.61	79.61	38.950843	-119.952501	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	50	W	79.65	79.65	38.951127	-119.951869	unknown	unknown	unknown	unknown
Traction Sand Trap	3	NEV	6	1	80	W	20.20	20.20	39.220200	-120.065600	unknown	unknown	unknown	unknown
Traction Sand Trap	3	NEV	6	1	80	E	20.20	20.20	39.220200	-120.065500	unknown	unknown	unknown	unknown
Traction Sand Trap	3	NEV	6	1	80	E	20.20	20.20	39.220300	-120.065500	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	0.00	0.00	39.067406	-120.128403	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	0.05	0.05	39.067936	-120.129138	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	0.05	0.05	39.067936	-120.129138	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	0.21	0.21	39.068431	-120.131906	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	0.31	0.31	39.068424	-120.133683	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	0.34	0.34	39.068421	-120.134216	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	0.34	0.34	39.068421	-120.134216	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	0.40	0.40	39.068537	-120.135284	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	0.44	0.44	39.068702	-120.135977	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	0.44	0.44	39.068702	-120.135977	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	0.74	0.74	39.070683	-120.140910	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	0.82	0.82	39.071140	-120.142178	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	0.84	0.84	39.071278	-120.142485	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	0.84	0.84	39.071323	-120.142519	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	0.89	0.89	39.071770	-120.143172	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	0.89	0.89	39.071782	-120.143185	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	0.94	0.94	39.072392	-120.143749	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	1.21	1.21	39.074797	-120.147359	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	1.26	1.26	39.074718	-120.148395	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	1.39	1.39	39.075110	-120.150574	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	1.47	1.47	39.075969	-120.151659	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	1.50	1.50	39.076275	-120.152102	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	1.53	1.53	39.076598	-120.152482	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	1.58	1.58	39.077040	-120.153338	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	1.69	1.69	39.077780	-120.154992	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	1.91	1.91	39.080263	-120.157402	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	1.92	1.92	39.080397	-120.157481	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	1.94	1.94	39.080709	-120.157621	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	1.98	1.98	39.081222	-120.157901	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	2.04	2.04	39.082033	-120.158392	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	2.13	2.13	39.083234	-120.159039	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	2.13	2.13	39.083234	-120.159039	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.14	2.14	39.083372	-120.159072	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	2.14	2.14	39.083368	-120.159111	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.14	2.14	39.083381	-120.159118	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.16	2.16	39.083646	-120.159201	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.26	2.26	39.085012	-120.159831	unknown	unknown	unknown	unknown

Traction Sand Trap	3	PLA	6	1	89	S	2.27	2.27	39.085108	-120.160036	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	2.31	2.31	39.085666	-120.160229	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.31	2.31	39.085666	-120.160229	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.34	2.34	39.086063	-120.160422	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.37	2.37	39.086480	-120.160535	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.37	2.37	39.086469	-120.160614	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.53	2.53	39.088681	-120.161669	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.54	2.54	39.088819	-120.161736	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	2.57	2.57	39.089248	-120.161936	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	2.57	2.57	39.089238	-120.161988	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.63	2.63	39.090077	-120.162309	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.63	2.63	39.090098	-120.162278	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.69	2.69	39.090900	-120.162681	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.71	2.71	39.091175	-120.162804	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.72	2.72	39.091312	-120.162866	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	2.73	2.73	39.091449	-120.162928	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	2.73	2.73	39.091449	-120.162928	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	2.74	2.74	39.091587	-120.162989	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	3.07	3.07	39.096086	-120.164058	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	3.08	3.08	39.096233	-120.164063	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	3.08	3.08	39.096247	-120.164063	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	3.14	3.14	39.097102	-120.164103	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	3.26	3.26	39.098810	-120.163859	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	3.26	3.26	39.098810	-120.163859	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	3.34	3.34	39.099932	-120.163538	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	3.34	3.34	39.099932	-120.163538	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	3.34	3.34	39.099932	-120.163538	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	3.34	3.34	39.099946	-120.163536	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	3.34	3.34	39.099961	-120.163534	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	3.39	3.39	39.100637	-120.163455	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	3.42	3.42	39.101049	-120.163435	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	3.69	3.69	39.104921	-120.162549	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	3.96	3.96	39.108801	-120.161074	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	4.30	4.30	39.112893	-120.158258	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	4.32	4.32	39.113150	-120.158134	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	4.32	4.32	39.113163	-120.158127	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	4.32	4.32	39.113176	-120.158121	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	4.33	4.33	39.113284	-120.158073	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	4.41	4.41	39.114418	-120.158153	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	4.43	4.43	39.114695	-120.158244	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	4.43	4.43	39.114695	-120.158244	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	4.55	4.55	39.116462	-120.158449	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	4.56	4.56	39.116615	-120.158428	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	4.62	4.62	39.117503	-120.158528	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	4.73	4.73	39.118395	-120.159940	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	4.73	4.73	39.118395	-120.159940	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	4.75	4.75	39.118585	-120.160180	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	4.76	4.76	39.118694	-120.160288	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	4.78	4.78	39.118937	-120.160485	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	4.78	4.78	39.118937	-120.160485	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	4.81	4.81	39.119325	-120.160726	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	4.91	4.91	39.120750	-120.161316	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	4.94	4.94	39.121187	-120.161437	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	4.98	4.98	39.121790	-120.161572	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	5.00	5.00	39.122090	-120.161630	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	5.03	5.03	39.122538	-120.161702	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	5.05	5.05	39.122845	-120.161761	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	5.07	5.07	39.123141	-120.161848	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	5.09	5.09	39.123435	-120.161940	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	5.10	5.10	39.123583	-120.161986	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	5.13	5.13	39.123983	-120.162200	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	5.13	5.13	39.123997	-120.162206	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	5.40	5.40	39.127680	-120.161899	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	5.41	5.41	39.127817	-120.161837	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	5.55	5.55	39.129658	-120.160648	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	5.59	5.59	39.130101	-120.160177	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	5.59	5.59	39.130101	-120.160177	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	5.84	5.84	39.132861	-120.157322	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	5.89	5.89	39.133444	-120.156805	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	5.90	5.90	39.133567	-120.156714	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	5.95	5.95	39.134188	-120.156266	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.00	6.00	39.134814	-120.155846	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.01	6.01	39.134941	-120.155770	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.10	6.10	39.136105	-120.155096	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.11	6.11	39.136225	-120.155020	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.21	6.21	39.137582	-120.154408	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.22	6.22	39.137714	-120.154362	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.22	6.22	39.137727	-120.154358	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.24	6.24	39.137984	-120.154283	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.36	6.36	39.139722	-120.154272	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	6.36	6.36	39.139722	-120.154272	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.36	6.36	39.139722	-120.154272	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.36	6.36	39.139754	-120.154281	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.38	6.38	39.140351	-120.154472	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	6.46	6.46	39.141099	-120.154723	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	6.46	6.46	39.141109	-120.154726	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.46	6.46	39.141109	-120.154726	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	6.51	6.51	39.141960	-120.154843	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	6.51	6.51	39.141977	-120.154842	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.55	6.55	39.142617	-120.154808	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.55	6.55	39.142617	-120.154808	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.55	6.55	39.142633	-120.154805	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	6.56	6.56	39.142777	-120.154774	unknown	unknown	unknown	unknown

Traction Sand Trap	3	PLA	6	1	89	N	6.56	6.56	39.142829	-120.154754	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	6.57	6.57	39.142842	-120.154749	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	N	6.57	6.57	39.142855	-120.154744	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.76	6.76	39.145162	-120.153105	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	6.81	6.81	39.145425	-120.152711	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	7.06	7.06	39.146855	-120.148710	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	89	S	7.12	7.12	39.147249	-120.147739	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	9.27	9.27	38.920189	-120.014440	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	9.30	9.30	38.920271	-120.014902	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	9.30	9.30	38.920332	-120.014944	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	9.36	9.36	38.920457	-120.015985	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	9.42	9.42	38.920692	-120.017075	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	9.42	9.42	38.920859	-120.017015	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	9.51	9.51	38.921026	-120.018758	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	9.53	9.53	38.921275	-120.019062	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	9.57	9.57	38.921261	-120.019802	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	9.59	9.59	38.921476	-120.020017	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	9.61	9.61	38.921559	-120.020356	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	9.62	9.62	38.921442	-120.020688	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	9.63	9.63	38.921637	-120.020765	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	9.99	9.99	38.923508	-120.026282	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	10.13	10.13	38.924702	-120.028189	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	10.80	10.80	38.932823	-120.034031	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	11.13	11.13	38.933853	-120.039858	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	11.15	11.15	38.933961	-120.040113	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	11.16	11.16	38.934077	-120.040504	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	11.17	11.17	38.934102	-120.040581	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	12.48	12.48	38.933725	-120.063867	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	12.51	12.51	38.933776	-120.064408	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	12.68	12.68	38.934969	-120.067126	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	12.77	12.77	38.934387	-120.068620	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	12.94	12.94	38.933978	-120.071645	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	13.07	13.07	38.933585	-120.073934	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	13.16	13.16	38.933586	-120.075544	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	13.21	13.21	38.933501	-120.076443	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	13.37	13.37	38.934714	-120.078379	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	13.77	13.77	38.940596	-120.079051	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	13.85	13.85	38.941800	-120.079272	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	13.85	13.85	38.941791	-120.079161	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	14.41	14.41	38.949416	-120.079014	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	14.49	14.49	38.948672	-120.079956	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	14.58	14.58	38.948157	-120.081196	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	14.60	14.60	38.948364	-120.082006	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	14.60	14.60	38.948372	-120.082003	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	14.80	14.80	38.949447	-120.084204	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	14.81	14.81	38.949964	-120.085003	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	14.81	14.81	38.949969	-120.085011	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	14.82	14.82	38.949579	-120.084489	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	15.30	15.30	38.951258	-120.084292	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	15.30	15.30	38.951271	-120.084279	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	15.44	15.44	38.951175	-120.085686	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	15.57	15.57	38.950969	-120.087975	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	15.57	15.57	38.950975	-120.087975	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	16.05	16.05	38.946982	-120.095946	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	16.46	16.46	38.946389	-120.099758	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	16.46	16.46	38.946386	-120.099794	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	16.61	16.61	38.945928	-120.101944	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	16.61	16.61	38.945908	-120.102006	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	16.67	16.67	38.945633	-120.102964	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	16.67	16.67	38.945800	-120.103000	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	16.67	16.67	38.945633	-120.103011	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	16.69	16.69	38.945900	-120.103300	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	16.71	16.71	38.946100	-120.103500	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	16.82	16.82	38.947318	-120.106840	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.00	17.00	38.948567	-120.109116	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.16	17.16	38.949322	-120.109689	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.17	17.17	38.950343	-120.110850	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.17	17.17	38.950354	-120.110859	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.20	17.20	38.950644	-120.111103	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.23	17.23	38.950978	-120.111382	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.23	17.23	38.950989	-120.111391	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.25	17.25	38.951184	-120.111553	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.25	17.25	38.951195	-120.111562	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.30	17.30	38.951792	-120.111970	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.31	17.31	38.951061	-120.111397	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.31	17.31	38.951075	-120.111406	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.35	17.35	38.953097	-120.112117	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.36	17.36	38.951544	-120.112008	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.39	17.39	38.952164	-120.112350	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.40	17.40	38.954152	-120.111307	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.41	17.41	38.954289	-120.111080	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.42	17.42	38.954425	-120.110844	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.43	17.43	38.954534	-120.110655	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.43	17.43	38.954547	-120.110631	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.43	17.43	38.954561	-120.110608	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.43	17.43	38.954561	-120.110608	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.43	17.43	38.954629	-120.110489	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.44	17.44	38.954708	-120.110384	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.44	17.44	38.953061	-120.112094	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.45	17.45	38.953092	-120.112092	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.45	17.45	38.954904	-120.110196	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	17.45	17.45	38.954993	-120.110122	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.46	17.46	38.955058	-120.110077	unknown	unknown	unknown	unknown

Traction Sand Trap	3	ED	6	1	89	S	17.47	17.47	38.955188	-120.109986	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.61	17.61	38.956967	-120.108553	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.71	17.71	38.957536	-120.107821	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.75	17.75	38.957605	-120.107709	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.83	17.83	38.958006	-120.106596	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.85	17.85	38.958101	-120.106306	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.87	17.87	38.958207	-120.106024	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.89	17.89	38.958327	-120.105749	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	17.91	17.91	38.958466	-120.105479	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	18.63	18.63	38.965848	-120.097560	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	18.70	18.70	38.966898	-120.097463	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	18.71	18.71	38.967050	-120.097471	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	19.14	19.14	38.973325	-120.098842	0.17	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	19.15	19.15	38.973622	-120.098844	0.16	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	19.34	19.34	38.975834	-120.100638	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	19.36	19.36	38.976066	-120.100833	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	19.41	19.41	38.976615	-120.101350	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	19.46	19.46	38.977044	-120.101988	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	19.51	19.51	38.977444	-120.102629	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	19.54	19.54	38.977687	-120.103006	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	19.56	19.56	38.977872	-120.103279	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	19.59	19.59	38.978056	-120.103708	0.25	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	19.63	19.63	38.978713	-120.103945	0.22	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	19.64	19.64	38.978945	-120.103896	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	19.65	19.65	38.979038	-120.103905	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	19.65	19.65	38.979069	-120.103907	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	19.66	19.66	38.979228	-120.103918	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	19.67	19.67	38.979375	-120.104103	0.1	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	19.67	19.67	38.979417	-120.103867	0.06	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	19.68	19.68	38.979467	-120.103878	0.06	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	19.72	19.72	38.980158	-120.104206	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	19.74	19.74	38.980471	-120.104143	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	19.77	19.77	38.980875	-120.104247	0.2	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	19.82	19.82	38.981509	-120.104834	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	19.82	19.82	38.981542	-120.104867	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	19.86	19.86	38.981918	-120.105327	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	19.86	19.86	38.981945	-120.105366	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	19.92	19.92	38.982421	-120.106115	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	19.98	19.98	38.983089	-120.106775	0.02	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	19.99	19.99	38.982914	-120.107083	0.17	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.00	20.00	38.983140	-120.107153	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.01	20.01	38.983183	-120.107389	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.04	20.04	38.983524	-120.107658	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.05	20.05	38.983620	-120.107783	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.05	20.05	38.983620	-120.107783	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.10	20.10	38.984187	-120.108319	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.11	20.11	38.984334	-120.108375	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.15	20.15	38.984986	-120.108269	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.18	20.18	38.985432	-120.108166	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.24	20.24	38.986253	-120.107963	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.24	20.24	38.986183	-120.107688	0.06	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.24	20.24	38.986303	-120.107942	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.25	20.25	38.986297	-120.107642	0.06	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.26	20.26	38.986575	-120.107757	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.29	20.29	38.987041	-120.107792	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.30	20.30	38.987116	-120.107811	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.30	20.30	38.987192	-120.108003	0.11	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.35	20.35	38.987838	-120.108165	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.35	20.35	38.987889	-120.108204	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.44	20.44	38.988805	-120.109278	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.48	20.48	38.989200	-120.109686	0.04	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.48	20.48	38.989111	-120.109928	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.54	20.54	38.989797	-120.110500	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.54	20.54	38.989820	-120.110452	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.58	20.58	38.990386	-120.110492	0.18	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.58	20.58	38.990444	-120.110442	0.18	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.59	20.59	38.990541	-120.110658	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.59	20.59	38.990556	-120.110658	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.67	20.67	38.991783	-120.110322	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.68	20.68	38.991750	-120.110008	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.68	20.68	38.991871	-120.110040	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.73	20.73	38.992224	-120.109422	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.80	20.80	38.992891	-120.108570	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.81	20.81	38.993061	-120.108703	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.86	20.86	38.993735	-120.108310	0.1	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.86	20.86	38.993767	-120.108303	0.1	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	20.91	20.91	38.994582	-120.108514	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	20.98	20.98	38.995686	-120.108794	0.02	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	21.23	21.23	38.998905	-120.110773	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	21.24	21.24	38.999047	-120.110849	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	21.39	21.39	39.000889	-120.112314	0.09	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	21.39	21.39	39.000903	-120.112335	0.09	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	21.41	21.41	39.001265	-120.112267	0.09	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	21.41	21.41	39.001278	-120.112278	0.09	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	21.51	21.51	39.002725	-120.112911	0.06	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	21.51	21.51	39.002742	-120.112908	0.06	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	21.52	21.52	39.002756	-120.113173	0.12	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	21.52	21.52	39.002764	-120.113244	0.12	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	21.83	21.83	39.006214	-120.116457	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	21.83	21.83	39.006225	-120.116469	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	21.89	21.89	39.006832	-120.117155	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	21.93	21.93	39.007467	-120.117378	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	21.95	21.95	39.007745	-120.117011	unknown	unknown	unknown	unknown

Traction Sand Trap	3	ED	6	1	89	S	21.95	21.95	39.007745	-120.117011	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	21.95	21.95	39.007769	-120.116991	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	21.99	21.99	39.008235	-120.116627	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	22.03	22.03	39.008800	-120.116497	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	22.09	22.09	39.009734	-120.116370	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	22.18	22.18	39.011020	-120.116803	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	22.23	22.23	39.011658	-120.117150	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	22.42	22.42	39.013797	-120.118815	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	22.54	22.54	39.014447	-120.120303	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	22.70	22.70	39.014638	-120.122882	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	22.73	22.73	39.014838	-120.123363	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	22.73	22.73	39.014919	-120.123417	0.23	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	22.75	22.75	39.015036	-120.123590	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	22.79	22.79	39.015878	-120.123672	0.1	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	22.79	22.79	39.015914	-120.123753	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	22.80	22.80	39.016040	-120.123705	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	22.92	22.92	39.016961	-120.125262	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	22.94	22.94	39.016990	-120.125518	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	22.98	22.98	39.017092	-120.126097	0.11	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	22.99	22.99	39.017123	-120.126307	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	23.06	23.06	39.017956	-120.126356	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	23.06	23.06	39.017967	-120.126345	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	23.09	23.09	39.018321	-120.125867	0.56	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	23.11	23.11	39.018525	-120.125722	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	23.11	23.11	39.018672	-120.125808	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	23.12	23.12	39.018689	-120.125789	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	23.13	23.13	39.018756	-120.125553	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	23.14	23.14	39.018859	-120.125443	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	23.20	23.20	39.019497	-120.124786	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	23.21	23.21	39.019614	-120.124690	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	23.22	23.22	39.019800	-120.124633	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	23.29	23.29	39.020431	-120.123764	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	23.41	23.41	39.021913	-120.122860	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	23.41	23.41	39.021905	-120.122728	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	23.56	23.56	39.024047	-120.122331	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	23.56	23.56	39.024063	-120.122340	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	23.56	23.56	39.024071	-120.122134	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	23.57	23.57	39.024379	-120.121963	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	23.58	23.58	39.024391	-120.122055	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	23.60	23.60	39.024737	-120.121921	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	23.63	23.63	39.025261	-120.121765	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	23.72	23.72	39.026825	-120.121297	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	23.73	23.73	39.026825	-120.121297	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	24.03	24.03	39.030914	-120.117500	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	24.09	24.09	39.030914	-120.117500	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	24.25	24.25	39.032847	-120.117289	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	24.30	24.30	39.032792	-120.117586	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	24.32	24.32	39.032964	-120.117653	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	24.33	24.33	39.033100	-120.117781	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	24.34	24.34	39.033160	-120.118074	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	24.34	24.34	39.033169	-120.118086	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	24.35	24.35	39.033169	-120.118086	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	24.35	24.35	39.033303	-120.118038	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	24.56	24.56	39.035022	-120.120453	0.33	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	24.57	24.57	39.035022	-120.120453	0.33	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	24.74	24.74	39.034511	-120.123500	0.24	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	24.87	24.87	39.035358	-120.125497	0.06	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	24.87	24.87	39.035358	-120.125497	0.06	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	24.96	24.96	39.036686	-120.125934	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	24.99	24.99	39.037130	-120.125991	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	25.01	25.01	39.037424	-120.125930	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	25.06	25.06	39.037936	-120.125405	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	25.39	25.39	39.042377	-120.121662	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	25.59	25.59	39.045395	-120.119985	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	25.63	25.63	39.045739	-120.119626	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	25.66	25.66	39.045983	-120.119344	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	25.88	25.88	39.048278	-120.118121	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	25.97	25.97	39.049390	-120.118146	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	25.97	25.97	39.049390	-120.118146	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	26.00	26.00	39.049804	-120.118147	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	26.13	26.13	39.051785	-120.117890	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	N	26.16	26.16	39.052214	-120.117695	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	26.68	26.68	39.059123	-120.121040	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	27.09	27.09	39.063912	-120.124375	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	1	89	S	27.12	27.12	39.064176	-120.124716	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	6.74	6.74	39.260966	-120.071647	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	6.75	6.75	39.260863	-120.071590	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	6.81	6.81	39.260012	-120.070818	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	6.82	6.82	39.259981	-120.070775	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	6.82	6.82	39.259909	-120.070676	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	6.83	6.83	39.259798	-120.070511	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	6.84	6.84	39.259788	-120.070496	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	6.85	6.85	39.259636	-120.070267	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	6.87	6.87	39.259434	-120.069962	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	6.87	6.87	39.259424	-120.069947	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	6.87	6.87	39.259424	-120.069947	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	6.87	6.87	39.259394	-120.069901	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	6.88	6.88	39.259333	-120.069809	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	E	6.90	6.90	39.259131	-120.069504	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	6.96	6.96	39.258613	-120.068637	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	6.96	6.96	39.258584	-120.068567	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	6.96	6.96	39.258577	-120.068549	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	6.96	6.96	39.258569	-120.068532	unknown	unknown	unknown	unknown

Traction Sand Trap	3	PLA	6	1	267	S	6.97	6.97	39.258515	-120.068393	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	E	7.00	7.00	39.258368	-120.067861	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	7.06	7.06	39.258295	-120.066872	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	7.06	7.06	39.258297	-120.066836	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	7.06	7.06	39.258299	-120.066800	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	7.12	7.12	39.258443	-120.065646	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	7.13	7.13	39.258458	-120.065538	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	7.13	7.13	39.258460	-120.065519	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	7.20	7.20	39.258562	-120.064318	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	7.20	7.20	39.258567	-120.064210	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	7.20	7.20	39.258568	-120.064174	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	7.23	7.23	39.258584	-120.063699	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	7.35	7.35	39.258509	-120.061553	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	7.35	7.35	39.258505	-120.061516	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	7.35	7.35	39.258505	-120.061516	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	7.35	7.35	39.258502	-120.061479	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	7.35	7.35	39.258498	-120.061443	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	7.36	7.36	39.258494	-120.061406	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	E	7.39	7.39	39.258432	-120.060780	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	7.50	7.50	39.258241	-120.058853	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	7.50	7.50	39.258237	-120.058817	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	7.60	7.60	39.258060	-120.056978	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	7.60	7.60	39.258057	-120.056942	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	7.72	7.72	39.257939	-120.054766	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	7.73	7.73	39.257942	-120.054676	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	7.83	7.83	39.258039	-120.052704	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	7.84	7.84	39.258045	-120.052595	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	E	8.08	8.08	39.257544	-120.048282	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	8.13	8.13	39.257375	-120.047392	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	8.30	8.30	39.256077	-120.044654	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	8.30	8.30	39.256065	-120.044641	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	8.43	8.43	39.254634	-120.042727	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	8.44	8.44	39.254562	-120.042579	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	8.54	8.54	39.253898	-120.040926	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	8.55	8.55	39.253818	-120.040725	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	8.69	8.69	39.238500	-120.042700	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	8.71	8.71	39.238500	-120.042400	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	8.80	8.80	39.252156	-120.036684	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	8.81	8.81	39.239000	-120.040700	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	8.93	8.93	39.239600	-120.038600	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	9.06	9.06	39.239000	-120.036400	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	9.09	9.09	39.238700	-120.035900	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	9.13	9.13	39.238400	-120.035300	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	9.17	9.17	39.238300	-120.034600	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	9.18	9.18	39.238200	-120.034400	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	9.25	9.25	39.238100	-120.033100	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	E	9.31	9.31	39.246594	-120.030858	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	9.32	9.32	39.246506	-120.030785	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	9.32	9.32	39.246471	-120.030756	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	S	9.40	9.40	39.245060	-120.030356	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	E	9.87	9.87	39.238317	-120.031507	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	N	9.88	9.88	39.238173	-120.031514	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	W	9.88	9.88	39.238173	-120.031514	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	W	9.89	9.89	39.238028	-120.031521	unknown	unknown	unknown	unknown
Traction Sand Trap	3	PLA	6	1	267	W	9.90	9.90	39.237913	-120.031526	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	67.91	67.91	38.829014	-120.031500	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	67.99	67.99	38.830238	-120.031836	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	68.00	68.00	38.830387	-120.031895	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	70.24	70.24	38.847545	-120.028100	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	70.62	70.62	38.851011	-120.022324	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	70.66	70.66	38.851310	-120.021742	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	70.74	70.74	38.851920	-120.020440	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	70.76	70.76	38.852049	-120.020169	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	70.78	70.78	38.852250	-120.019747	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	71.29	71.29	38.856725	-120.012630	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	71.47	71.47	38.859385	-120.012138	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	72.06	72.06	38.866970	-120.008550	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	72.57	72.57	38.874299	-120.005586	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	72.62	72.62	38.874739	-120.005519	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	72.69	72.69	38.875490	-120.005410	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	72.71	72.71	38.875706	-120.005380	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	73.00	73.00	38.879755	-120.004475	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	73.06	73.06	38.880561	-120.004121	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	73.21	73.21	38.882509	-120.003239	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	73.39	73.39	38.884829	-120.002212	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	73.42	73.42	38.885203	-120.002046	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	73.46	73.46	38.885698	-120.001830	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	73.48	73.48	38.885945	-120.001721	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	73.50	73.50	38.886192	-120.001613	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	73.54	73.54	38.886684	-120.001392	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	73.56	73.56	38.886930	-120.001275	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	73.56	73.56	38.886942	-120.001270	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	73.63	73.63	38.887781	-120.000886	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	73.63	73.63	38.887781	-120.000886	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	73.67	73.67	38.888277	-120.000672	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	73.82	73.82	38.891323	-119.999705	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	73.99	73.99	38.893700	-119.999844	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	73.99	73.99	38.893700	-119.999844	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	74.00	74.00	38.893770	-119.999848	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	74.00	74.00	38.893840	-119.999851	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	74.01	74.01	38.893979	-119.999858	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	74.17	74.17	38.896247	-119.999858	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	74.18	74.18	38.896388	-119.999836	unknown	unknown	unknown	unknown

Traction Sand Trap	3	ED	6	2	50	E	74.25	74.25	38.897365	-119.999557	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	74.26	74.26	38.897497	-119.999507	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	74.27	74.27	38.897630	-119.999457	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	74.28	74.28	38.897777	-119.999407	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	74.29	74.29	38.897909	-119.999350	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	74.31	74.31	38.898184	-119.999229	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	74.33	74.33	38.898531	-119.999096	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	75.02	75.02	38.907751	-120.001284	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	75.03	75.03	38.907817	-120.001326	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	75.08	75.08	38.908543	-120.001785	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	75.10	75.10	38.908807	-120.001951	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	75.12	75.12	38.909073	-120.002113	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	75.24	75.24	38.910605	-120.003079	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	75.34	75.34	38.911980	-120.003819	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	75.57	75.57	38.914379	-120.002721	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	76.11	76.11	38.919501	-119.995025	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	76.12	76.12	38.919593	-119.994886	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	W	76.30	76.30	38.921273	-119.992356	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	76.40	76.40	38.922209	-119.990936	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	76.43	76.43	38.922488	-119.990512	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	77.29	77.29	38.931202	-119.979315	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	77.68	77.68	38.936676	-119.977305	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	50	E	77.68	77.68	38.936690	-119.977305	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	0.05	0.05	38.788303	-119.946672	0.19	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	0.18	0.18	38.789967	-119.948746	0.17	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	0.40	0.40	38.792012	-119.952067	0.31	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	0.75	0.75	38.794190	-119.957732	0.48	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	0.83	0.83	38.794524	-119.959084	0.23	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	1.03	1.03	38.795366	-119.962367	0.12	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	1.11	1.11	38.795753	-119.963669	0.16	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	1.21	1.21	38.796418	-119.965296	0.23	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	1.50	1.50	38.797401	-119.970132	0.45	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	1.70	1.70	38.796749	-119.973644	0.05	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	1.73	1.73	38.796697	-119.974057	0.43	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	1.93	1.93	38.796660	-119.977484	0.26	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.13	2.13	38.796879	-119.980949	0.13	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.13	2.13	38.796864	-119.980984	0.23	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.19	2.19	38.796759	-119.981956	0.07	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.19	2.19	38.796757	-119.981979	0.2	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.26	2.26	38.796771	-119.983057	0.29	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	2.35	2.35	38.796669	-119.984585	0.51	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	2.35	2.35	38.796706	-119.984599	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.35	2.35	38.796706	-119.984599	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	2.39	2.39	38.796489	-119.985268	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.39	2.39	38.796489	-119.985268	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.39	2.39	38.796496	-119.985431	0.12	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	2.44	2.44	38.796075	-119.986048	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.44	2.44	38.796075	-119.986048	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	2.47	2.47	38.795775	-119.986597	0.08	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.47	2.47	38.795890	-119.986652	0.23	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.52	2.52	38.795665	-119.987418	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	2.52	2.52	38.795665	-119.987418	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.53	2.53	38.795650	-119.987581	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.56	2.56	38.795695	-119.988111	0.31	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.58	2.58	38.795640	-119.988452	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.59	2.59	38.795636	-119.988630	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.64	2.64	38.795650	-119.989441	0.12	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	2.64	2.64	38.795566	-119.989539	0.22	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.67	2.67	38.795513	-119.990002	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	2.72	2.72	38.795274	-119.990751	0.24	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.72	2.72	38.795365	-119.990857	0.08	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.81	2.81	38.794800	-119.992335	0.24	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	2.81	2.81	38.794703	-119.992310	0.18	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.85	2.85	38.794638	-119.992941	0.18	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.90	2.90	38.794470	-119.993834	0.13	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	2.93	2.93	38.794257	-119.994212	0.11	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	2.98	2.98	38.794085	-119.995174	0.09	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	2.99	2.99	38.793904	-119.995279	0.22	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	3.05	3.05	38.793594	-119.996235	0.14	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	3.07	3.07	38.793328	-119.996427	0.28	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	3.14	3.14	38.792529	-119.997411	0.31	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	3.24	3.24	38.791261	-119.998417	0.48	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	3.30	3.30	38.790317	-119.998938	0.04	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	3.41	3.41	38.788639	-119.999841	0.44	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	3.41	3.41	38.788639	-119.999841	0.44	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	3.46	3.46	38.787909	-120.000376	0.04	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	3.59	3.59	38.786680	-120.002182	0.01	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	3.59	3.59	38.786728	-120.002309	0.35	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	3.65	3.65	38.786427	-120.003346	0.21	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	3.67	3.67	38.786261	-120.003533	0.06	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	3.71	3.71	38.786074	-120.004318	0.02	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	3.79	3.79	38.786147	-120.005540	0.49	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	3.86	3.86	38.786357	-120.006826	0.32	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	3.95	3.95	38.787009	-120.008136	0.36	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.00	4.00	38.786200	-120.006400	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.01	4.01	38.787783	-120.008879	0.25	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.12	4.12	38.789537	-120.009704	0.43	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	4.13	4.13	38.789584	-120.009878	0.16	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.20	4.20	38.790738	-120.010287	0.16	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	4.21	4.21	38.790743	-120.010391	0.18	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.24	4.24	38.791215	-120.010486	0.07	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	4.24	4.24	38.791214	-120.010597	0.06	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.38	4.38	38.793207	-120.010908	0.36	unknown	unknown	unknown

Traction Sand Trap	3	ED	6	2	89	N	4.45	4.45	38.794100	-120.010752	0.24	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.50	4.50	38.794827	-120.010462	0.2	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	4.56	4.56	38.795560	-120.010259	0.11	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.56	4.56	38.795591	-120.010126	0.11	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.59	4.59	38.796003	-120.009920	0.01	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.69	4.69	38.797508	-120.009564	0.08	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	4.69	4.69	38.797555	-120.009649	0.16	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.73	4.73	38.798059	-120.009440	0.07	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	4.76	4.76	38.798530	-120.009442	0.12	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.76	4.76	38.798540	-120.009356	0.06	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	4.78	4.78	38.798910	-120.009377	0.05	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.79	4.79	38.798927	-120.009259	0.06	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.85	4.85	38.799850	-120.009066	0.13	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	4.85	4.85	38.799862	-120.009163	0.15	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	4.90	4.90	38.800590	-120.009017	0.12	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.90	4.90	38.800594	-120.008886	0.08	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	4.93	4.93	38.801163	-120.008970	0.18	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	4.93	4.93	38.801183	-120.008984	0.02	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	4.96	4.96	38.801652	-120.008873	0.03	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.00	5.00	38.802215	-120.009031	0.06	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.05	5.05	38.802931	-120.009347	0.29	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.12	5.12	38.803908	-120.009725	0.27	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.19	5.19	38.804956	-120.009893	0.07	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.23	5.23	38.805594	-120.009978	0.2	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	5.23	5.23	38.805599	-120.010096	0.18	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.29	5.29	38.806449	-120.010137	0.2	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	5.29	5.29	38.806448	-120.010235	0.11	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	5.32	5.32	38.806862	-120.010415	0.06	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	5.34	5.34	38.807092	-120.010517	0.08	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.36	5.36	38.807465	-120.010583	0.09	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	5.36	5.36	38.807445	-120.010684	0.1	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	5.39	5.39	38.807731	-120.010917	0.19	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.40	5.40	38.807940	-120.010898	0.04	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.44	5.44	38.808499	-120.011359	0.07	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.48	5.48	38.808953	-120.011748	0.07	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.52	5.52	38.809377	-120.012135	0.06	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.55	5.55	38.809713	-120.012437	0.38	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	5.61	5.61	38.810357	-120.013221	0.16	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	5.63	5.63	38.810596	-120.013345	0.05	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.64	5.64	38.810725	-120.013341	0.12	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.70	5.70	38.811431	-120.013956	0.09	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	5.75	5.75	38.811984	-120.014618	0.43	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.83	5.83	38.813076	-120.015247	0.13	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.83	5.83	38.813081	-120.015246	0.05	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.84	5.84	38.813113	-120.015272	0.38	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.90	5.90	38.813995	-120.015797	0.14	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	5.92	5.92	38.814168	-120.016030	0.14	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	5.99	5.99	38.815193	-120.016508	0.25	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	6.17	6.17	38.817485	-120.017866	0.48	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	6.29	6.29	38.819207	-120.018430	0.14	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	6.37	6.37	38.820341	-120.018411	0.29	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	7.50	7.50	38.836902	-120.017249	0.43	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	7.81	7.81	38.841389	-120.017945	0.18	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89		8.20	8.20	38.846908	-120.019299	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	8.52	8.52	38.850663	-120.022034	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	8.54	8.54	38.850966	-120.022084	0.32	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	8.54	8.54	38.850970	-120.022082	0.28	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	8.61	8.61	38.914117	-120.005192	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	8.65	8.65	38.914455	-120.005748	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	8.67	8.67	38.914722	-120.006005	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	8.69	8.69	38.915045	-120.006080	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	8.69	8.69	38.915125	-120.006174	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	8.70	8.70	38.915010	-120.006362	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	8.70	8.70	38.915014	-120.006375	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	8.70	8.70	38.915024	-120.006381	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	8.71	8.71	38.915282	-120.006383	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	8.74	8.74	38.915560	-120.006745	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	8.74	8.74	38.915658	-120.006732	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	8.79	8.79	38.916026	-120.007475	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	8.79	8.79	38.915897	-120.007609	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	8.87	8.87	38.916570	-120.008820	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	8.89	8.89	38.916896	-120.009037	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	8.91	8.91	38.916868	-120.009371	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	8.92	8.92	38.917136	-120.009470	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	8.95	8.95	38.917353	-120.009870	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	8.95	8.95	38.917266	-120.009956	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	8.96	8.96	38.917347	-120.010108	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	8.96	8.96	38.917347	-120.010108	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	8.97	8.97	38.917337	-120.010274	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	8.97	8.97	38.917428	-120.010259	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	8.99	8.99	38.917676	-120.010472	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	9.04	9.04	38.918069	-120.011224	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	9.07	9.07	38.918149	-120.011666	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	9.09	9.09	38.918479	-120.011777	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	N	9.10	9.10	38.918623	-120.011978	unknown	unknown	unknown	unknown
Traction Sand Trap	3	ED	6	2	89	S	9.22	9.22	38.919752	-120.013623	unknown	unknown	unknown	unknown

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Treatment BMP List - Legg Lake Trash TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	7	LA	4	1	60	W	9.61	9.61	34.041507	-118.062463	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	60	E	9.66	9.66	34.040975	-118.061684	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	60	W	9.94	9.94	34.040893	-118.056792	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	60	E	10.09	10.09	34.039943	-118.054401	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	60	W	10.22	10.22	34.040055	-118.052002	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	60	W	10.32	10.32	34.039798	-118.050333	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	W	9.61	9.61	34.041501	-118.062522	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	9.66	9.66	34.041127	-118.061670	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	9.87	9.87	34.040838	-118.058067	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	9.87	9.87	34.040679	-118.058166	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	9.87	9.87	34.040606	-118.058215	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	9.87	9.87	34.040621	-118.058152	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	9.87	9.87	34.040626	-118.058173	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	9.87	9.87	34.040691	-118.058115	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	W	9.95	9.95	34.040631	-118.056868	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.08	10.08	34.040192	-118.054309	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.13	10.13	34.039729	-118.053776	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	W	10.21	10.21	34.039967	-118.052033	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.30	10.30	34.039422	-118.050778	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	W	10.32	10.32	34.039738	-118.050269	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	W	10.39	10.39	34.039469	-118.049126	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	W	10.39	10.39	34.039552	-118.049176	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038445	-118.045720	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038438	-118.045704	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038526	-118.045656	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038535	-118.045654	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038539	-118.045654	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038434	-118.045674	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038536	-118.045644	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038435	-118.045696	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	164	N	3.00	3.00	34.036284	-118.064207	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	164	N	3.10	3.10	34.037768	-118.064156	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	164	N	3.20	3.20	34.039229	-118.064089	unknown	unknown	unknown	unknown

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Treatment BMP List - Long Beach City Beaches and Los Angeles River Estuary Indicator Bacteria TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	2	710	N	7.01	7.01	33.792141	-118.207052	7.67	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	5.03	5.03	33.813959	-118.170209	0.89	0.48	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	5.12	5.12	33.813861	-118.171700	25.8	3.2	unknown	unknown
Biofiltration Swale	7	LA	4	2	405	S	5.41	5.41	33.813951	-118.176736	14	1.6	unknown	unknown
Biofiltration Swale	7	LA	4	2	710	S	5.30	5.40	33.767249	-118.208366	0.8	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	2	710	S	7.24	7.24	33.795030	-118.206981	3.57	2.62	unknown	unknown
Detention Basin	7	LA	4	2	405	S	5.43	5.43	33.813758	-118.177008	12.4	1.6	unknown	unknown
Infiltration Trench	7	LA	4	2	710	S	5.30	5.30	33.767249	-118.208366	2.4	0.3	unknown	unknown

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Treatment BMP List - Los Angeles Area (Echo Park Lake) Nitrogen, Phosphorus, Chlordane, Dieldrin, PCBs, and Trash TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Los Angeles Area (Lake Sherwood) Mercury TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Los Angeles Area (North, Center, and Legg Lakes) Nitrogen Phosphorus TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	7	LA	4	1	60	W	9.61	9.61	34.041507	-118.062463	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	60	E	9.66	9.66	34.040975	-118.061684	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	60	W	9.94	9.94	34.040893	-118.056792	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	60	E	10.09	10.09	34.039943	-118.054401	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	60	W	10.22	10.22	34.040055	-118.052002	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	60	W	10.32	10.32	34.039798	-118.050333	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	W	9.61	9.61	34.041501	-118.062522	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	9.66	9.66	34.041127	-118.061670	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	9.87	9.87	34.040838	-118.058067	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	9.87	9.87	34.040679	-118.058166	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	9.87	9.87	34.040606	-118.058215	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	9.87	9.87	34.040621	-118.058152	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	9.87	9.87	34.040626	-118.058173	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	9.87	9.87	34.040691	-118.058115	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	W	9.95	9.95	34.040631	-118.056868	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.08	10.08	34.040192	-118.054309	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.13	10.13	34.039729	-118.053776	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	W	10.21	10.21	34.039967	-118.052033	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.30	10.30	34.039422	-118.050778	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	W	10.32	10.32	34.039738	-118.050269	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	W	10.39	10.39	34.039469	-118.049126	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	W	10.39	10.39	34.039552	-118.049176	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038445	-118.045720	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038438	-118.045704	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038526	-118.045656	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038535	-118.045654	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038539	-118.045654	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038434	-118.045674	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038536	-118.045644	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	60	E	10.60	10.60	34.038435	-118.045696	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	164	N	3.00	3.00	34.036284	-118.064207	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	164	N	3.10	3.10	34.037768	-118.064156	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	164	N	3.20	3.20	34.039229	-118.064089	unknown	unknown	unknown	unknown

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Treatment BMP List - Los Angeles Area (Peck Road Park Lake) Nitrogen, Phosphorus, Chlordane, DDT, Dieldrin, PCBs, and Trash TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	210	E	33.73	33.73	34.135116	-118.003933	1.62	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	210	W	34.66	34.66	34.135739	-117.987776	0.83	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	210		34.67	34.67	34.137857	-117.988057	1.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	210		34.90	34.90	34.135455	-117.983750	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	210	W	35.29	35.29	34.135829	-117.974872	3.36	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	210	W	35.71	35.71	34.135680	-117.969595	3.57	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	210	E	31.94	31.94	34.147334	-118.030944	1.84	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	210	W	31.94	31.94	34.148199	-118.030068	0.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	210	E	35.71	35.71	34.135379	-117.969605	0.86	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	1	210	E	35.71	35.71	34.135403	-117.969604	0.81	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	1	210	E	35.71	35.71	34.135410	-117.969590	1.54	0.19	unknown	unknown
Biofiltration Swale	7	LA	4	1	210	W	35.71	35.71	34.135825	-117.969671	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	605	S	24.62	24.62	34.117126	-117.975119	6.4	6.99	unknown	unknown
Biofiltration Swale	7	LA	4	1	605	S	24.79	24.79	34.117391	-117.974684	4.85	6.53	unknown	unknown
Biofiltration Swale	7	LA	4	2	210	W	31.80	31.80	34.148104	-118.033236	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	210	W	32.01	32.01	34.139628	-118.015446	2.07	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	210	E	32.83	32.83	34.140843	-118.016205	0.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	210	W	32.91	32.91	34.140316	-118.016672	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	210	W	33.27	33.27	34.137172	-118.011731	2.36	0.06	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	1	605	N	24.58	24.58	34.117023	-117.975287	7.41	3.05	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	210	E	34.94	34.94	34.135324	-117.983016	1.27	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	605	S	24.20	24.20	34.115746	-117.977037	0.59	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	605	S	24.20	24.20	34.115746	-117.977037	3.07	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	605	S	24.20	24.20	34.115746	-117.977037	0.96	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	605	S	24.20	24.20	34.115746	-117.977037	0.61	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	210	W	32.49	32.49	34.143939	-118.022675	1.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	210	W	33.01	33.01	34.139212	-118.015380	1.8	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	210	E	32.85	32.85	34.140714	-118.017764	4.59	unknown	unknown	unknown
Infiltration Trench	7	LA	4	1	210	W	35.05	35.05	34.135840	-117.978886	0.93	unknown	unknown	unknown

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Treatment BMP List - Los Angeles Area (Puddingstone Reservoir) Nitrogen, Phosphorus, Chlordane, DDT, PCBs, Hg, Dieldrin TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Swale	7	LA	4	1	66	E	1.23	1.23	34.114816	-117.769918	0.72	0.01	unknown	unknown
Biofiltration Swale	7	LA	4	1	210	W	0.19	0.19	34.120083	-117.787005	0.68	0.85	unknown	unknown
Biofiltration Swale	7	LA	4	1	210	E	46.70	46.70	34.120105	-117.785932	0.61	0.87	unknown	unknown
Biofiltration Swale	7	LA	4	1	210	W	46.75	46.75	34.120096	-117.785040	0.05	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	1	210	E	46.85	46.85	34.120026	-117.783246	1.26	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	210	E	49.00	49.00	34.120320	-117.749786	4.27	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	210	E	49.03	49.03	34.120562	-117.745533	2.56	0.96	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	1	210	E	48.87	48.87	34.120102	-117.747915	2.73	0.39	unknown	unknown
Multi-Chambered Treatment Train	7	LA	4	1	57		8.73	8.73	34.078143	-117.814179	unknown	unknown	unknown	unknown
Other	7	LA	4	1	57	S	8.74	8.74	34.077959	-117.814848	1.1	unknown	unknown	unknown
Other	7	LA	4	1	210	E	46.40	46.40	34.119839	-117.790983	unknown	unknown	unknown	unknown

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Treatment BMP List - Los Angeles River Trash TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	405	S	7.54	7.54	33.825962	-118.206592	1.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	710	N	7.01	7.01	33.792141	-118.207052	7.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	710	S	11.934	11.934	33.861923	-118.200211	6	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	710	N	17.039	17.039	33.931474	-118.177981	3.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	5	S	15.72	15.72	34.0247	-118.204512	1.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	5	S	18.32	18.32	34.05337	-118.214404	1.49	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	10	S	17.259	17.259	34.053859	-118.232872	1.57	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	10	W	21.07	21.07	34.061911	-118.170412	6.77	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		0.498	0.498	34.05377	-118.234398	2.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		0.602	0.602	34.053787	-118.235752	3.64	0.34	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		2.602	2.602	34.070251	-118.262764	4.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	710	N	22.533	22.533	34.005715	-118.172269	1.35	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	N	20.84	20.84	34.084413	-118.230051	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	N	20.87	20.87	34.084697	-118.230448	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	S	22.33	22.33	34.099851	-118.248231	3.64	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	N	25.89	25.89	34.141745	-118.277393	1.91	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	N	27.4	28.1	34.165591	-118.296711	4.61	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	N	27.86	27.86	34.16555	-118.296696	4.61	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	S	36.16	36.16	34.231996	-118.406609	1.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	101		10.898	10.898	34.144356	-118.36789	8.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	101		10.898	10.898	34.144356	-118.36789	4.7	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	101	S	12.014	12.014	34.154172	-118.381547	1.88	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	170	S	15.7	15.7	34.169466	-118.385258	1.73	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	170	N	16.307	16.307	34.175035	-118.392232	2.79	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	5	N	42.044	42.044	34.296781	-118.472643	5.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		14	14	34.15674	-118.415758	5.4	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	N	17.5	17.5	34.164088	-118.47308	1.6	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	S	17.561	17.561	34.164406	-118.474115	1.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		17.697	17.697	34.165348	-118.476447	2.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	S	17.808	17.808	34.165157	-118.478424	4.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		18.101	18.101	34.165281	-118.483392	3.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		21.9	21.9	34.173454	-118.547113	1.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	118		1.82	1.82	34.277662	-118.604444	4.37	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	118		8.447	8.447	34.274024	-118.492426	3.67	0.14	unknown	unknown
Austin Sand Filter	7	LA	4	5	210	W	0.405	0.405	34.319112	-118.4854	1.21	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	405	S	39.6	39.6	34.163448	-118.469922	5.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	91	W	9.91	9.91	33.873975	-118.22307	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	91	W	10.07	10.07	33.87407	-118.219656	1.34	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	91	E	10.18	10.18	33.873196	-118.2181	2.09	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	91	W	10.429	10.429	33.873489	-118.214032	6.91	1.07	0.63	unknown
Austin Sand Filter	7	LA	4	6	105	W	10.1	10.1	33.928342	-118.233802	4.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	105	E	11.49	11.49	33.925005	-118.211109	1.63	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	N	15.38	15.38	33.95126	-118.280103	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	N	15.78	15.78	33.958728	-118.280114	1.99	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	S	15.81	15.81	33.959178	-118.281427	1.6	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	S	15.97	15.97	33.96146	-118.281556	1.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	S	17.81	17.81	33.988043	-118.281168	1.18	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	N	19.31	19.31	34.009828	-118.280503	1.36	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	N	19.83	19.83	34.016665	-118.279933	5.06	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	5	N	9.6	9.6	33.97312	-118.12348	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	5	N	9.891	9.891	33.976887	-118.125789	2.37	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	60	E	4.394	4.394	34.034785	-118.15114	1.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	27	27	34.152712	-118.120703	3.32	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	27.49	27.49	34.152819	-118.112412	3.62	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	27.73	27.73	34.152931	-118.107173	3.49	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	27.94	27.94	34.152994	-118.103312	5.37	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	E	28.53	28.53	34.151928	-118.093424	2.34	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	E	28.79	28.79	34.150501	-118.089941	2.57	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	E	29.69	29.69	34.148026	-118.069929	4.04	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	E	31.94	31.94	34.147334	-118.030944	1.84	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	E	33.73	33.73	34.135116	-118.003933	1.62	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	34.66	34.66	34.135739	-117.987776	0.83	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210		34.675	34.675	34.137857	-117.988057	1.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210		34.9	34.9	34.135455	-117.98375	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	35.29	35.29	34.135829	-117.974872	3.36	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	35.71	35.71	34.13568	-117.969595	3.57	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	8	5	N	20.3	20.3	34.081718	-118.222817	3.91	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	8	5	N	20.84	20.84	34.081702	-118.222765	16.88	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	9	134	W	8.9	8.9	34.14715	-118.225171	3.6	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	9	134	E	11.6	11.6	34.141938	-118.184489	8.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	9	210		10.536	10.536	34.266309	-118.336147	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	10	5	N	28.45	28.45	34.170981	-118.304235	6.49	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	10	5	S	28.98	28.98	34.176585	-118.308361	4.24	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	10	5	N	31.348	31.348	34.200449	-118.338188	5.12	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	10	5	N	31.579	31.579	34.203158	-118.340409	3.13	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	10	210		14.107	14.107	34.234989	-118.292357	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	36.36	36.36	34.233141	-118.409758	2.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	37.5	37.5	34.245628	-118.423364	3.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	N	38.54	38.54	34.256832	-118.435219	2.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	39.21	39.21	34.264712	-118.442074	5.4	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	40.303	40.303	34.277002	-118.453926	3.41	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	40.53	40.53	34.280462	-118.456505	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	40.601	40.601	34.280868	-118.456739	15.23	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	101	N	13.103	13.103	34.155565	-118.40049	1.73	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	118		10.11	10.11	34.265945	-118.466844	2.05	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	170	N	19.774	19.774	34.222296	-118.409679	2.15	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	170	N	19.89	19.89	34.223859	-118.410387	2.18	unknown	unknown	unknown

Austin Sand Filter	7	LA	4	11	210	W	3.074	3.074	34.3188	-118.442346	1.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	210	W	3.544	3.544	34.314169	-118.436336	1.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	210	E	5.179	5.179	34.296599	-118.417012	3.32	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	210	W	5.263	5.263	34.296114	-118.415564	2.11	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	210		6.048	6.048	34.286832	-118.407706	1.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	405	N	46.8	46.8	34.265269	-118.472164	3.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	405	N	47.6	47.6	34.276707	-118.470538	2.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	14	101		26.1	26.1	34.166385	-118.617447	1.1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	710	S	8.13	8.13	33.807704	-118.207258	4.99	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	5	S	18.4	18.4	34.054468	-118.214368	1.95	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	18.962	18.962	34.054135	-118.204585	1.75	0.65	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	M	19.014	19.014	34.054127	-118.203781	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	E	21.269	21.269	34.061308	-118.16689	0.83	0.94	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	21.32	21.32	34.061518	-118.166106	1.49	1.22	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	21.35	21.35	34.061191	-118.16564	0.41	0.86	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	E	21.419	21.419	34.061087	-118.164507	1.2	0.97	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	E	23.309	23.309	34.071233	-118.134852	0.83	0.64	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	23.311	23.311	34.071901	-118.13483	0.5	0.41	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	23.36	23.36	34.071947	-118.133994	0.76	0.55	unknown	unknown
Biofiltration Strip	7	LA	4	3	60	W	2.555	2.555	34.033012	-118.181989	0.15	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	N	17.239	17.239	34.053975	-118.233198	1.9	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	110	S	23.14	23.14	34.056755	-118.256198	1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	710	S	22.54	22.54	34.005724	-118.172678	0.45	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	710	N	25.578	25.578	34.049061	-118.166662	0.77	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	5		43.004	43.004	34.307164	-118.483321	0.96	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	5		43.3	43.3	34.307164	-118.483321	2.41	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	5	S	44.02	44.02	34.315982	-118.491447	0.71	0.27	unknown	unknown
Biofiltration Strip	7	LA	4	5	5	S	44.4	44.4	34.320712	-118.495791	0.96	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	5	S	45.2	45.2	34.328414	-118.505263	0.25	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	5	N	45.718	45.718	34.334963	-118.509746	1.12	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	14	N	25.215	25.215	34.339462	-118.506409	0.34	0.48	unknown	unknown
Biofiltration Strip	7	LA	4	5	101	S	12.392	12.392	34.170165	-118.606393	0.7	0.4	unknown	unknown
Biofiltration Strip	7	LA	4	5	101	N	12.501	12.501	34.171705	-118.60648	0.4	0.6	unknown	unknown
Biofiltration Strip	7	LA	4	5	101	N	17.529	17.529	34.165435	-118.473631	0.3	0.9	unknown	unknown
Biofiltration Strip	7	LA	4	5	101	N	19.934	19.934	34.171385	-118.513292	0.3	0.4	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		20	20	34.171182	-118.514437	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	6	91	W	8.79	8.79	33.873529	-118.242515	4.37	0.78	unknown	unknown
Biofiltration Strip	7	LA	4	6	91	W	9.49	9.49	33.87387	-118.230353	4.97	0.5	0.01	unknown
Biofiltration Strip	7	LA	4	7	0	W	26.88	26.88	34.072537	-118.072626	1.12	0.71	unknown	unknown
Biofiltration Strip	7	LA	4	7	0	E	26.89	26.89	34.071947	-118.072434	1.79	1.33	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	23.98	23.98	34.071248	-118.123156	0.64	0.48	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	W	23.98	23.98	34.072019	-118.123174	1.34	1.07	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	24.009	24.009	34.071912	-118.122673	0.71	0.56	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	W	24.819	24.819	34.072146	-118.108544	0.8	0.6	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	24.858	24.858	34.072223	-118.107863	0.62	0.48	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	24.86	24.86	34.071622	-118.107823	1.03	0.91	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	25.32	25.32	34.071465	-118.099807	1.38	1.16	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	W	25.359	25.359	34.072237	-118.09912	1.16	0.99	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	25.55	25.55	34.071675	-118.095792	2.05	0.8	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	25.83	25.83	34.071762	-118.090919	1.07	0.74	unknown	unknown
Biofiltration Strip	7	LA	4	7	10		25.83	25.83	34.072287	-118.09092	1.25	0.89	unknown	unknown
Biofiltration Strip	7	LA	4	7	10		25.87	25.87	34.07177	-118.090214	0.86	0.64	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	W	25.87	25.87	34.072294	-118.090223	0.99	0.69	unknown	unknown
Biofiltration Strip	7	LA	4	7	10		26.329	26.329	34.072507	-118.082225	0.83	0.64	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	26.33	26.33	34.071837	-118.0822	1.11	0.89	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	26.83	26.83	34.071951	-118.073486	0.91	0.62	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	W	29.38	29.38	34.068249	-118.030156	0.46	0.08	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	E	4.56	4.56	34.034114	-118.148636	0.49	0.16	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	E	7.79	7.79	34.035864	-118.092489	0.3	0.21	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	E	8.1	8.1	34.037074	-118.087312	2.76	0.61	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	9.29	9.29	34.041576	-118.068104	3.14	0.76	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	9.48	9.48	34.041588	-118.064803	0.44	0.14	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	9.54	9.54	34.041568	-118.06373	0.32	0.33	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	9.61	9.61	34.041507	-118.062463	0.37	0.25	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	E	9.66	9.66	34.040975	-118.061684	1.85	0.39	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	9.94	9.94	34.040893	-118.056792	0.79	0.26	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	E	10.09	10.09	34.039943	-118.054401	0.86	0.22	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	10.22	10.22	34.040055	-118.052002	0.43	0.18	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	10.316	10.316	34.039798	-118.050333	1.24	0.37	unknown	unknown
Biofiltration Strip	7	LA	4	7	210	W	29.83	29.83	34.149121	-118.067204	0.32	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	7	210	W	30.94	30.94	34.149229	-118.048709	0.36	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	7	210	W	31.94	31.94	34.148199	-118.030068	0.37	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	8	210	N	20.343	20.343	34.20365	-118.193013	0.45	0.93	unknown	unknown
Biofiltration Strip	7	LA	4	8	210	S	22.552	22.552	34.181251	-118.167885	1.7	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	9	210	E	18.7	18.7	34.208659	-118.220277	1.15	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	10	210		11.033	11.033	34.260528	-118.330598	2.9	2.58	unknown	unknown
Biofiltration Strip	7	LA	4	10	210		12.277	12.277	34.244718	-118.319565	1.68	0.53	unknown	unknown
Biofiltration Strip	7	LA	4	10	210		14.305	14.305	34.234691	-118.288973	0.87	0.34	unknown	unknown
Biofiltration Strip	7	LA	4	10	210		14.305	14.305	34.234691	-118.288973	1.44	0.07	unknown	unknown
Biofiltration Strip	7	LA	4	11	5	N	38.54	38.54	34.256832	-118.435219	2.8	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	12	118		3.348	3.348	34.27346	-118.578683	0.4	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	14	101		26.801	26.801	34.162627	-118.628755	1.1	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	27.314	27.314	34.159805	-118.636974	0.8	0.2	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	28.052	28.052	34.155175	-118.648548	1.3	0.4	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	28.125	28.125	34.154744	-118.649707	1.2	0.2	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	28.187	28.187	34.154383	-118.650701	0.8	0.2	unknown	unknown
Biofiltration Strip	7	LA	4	14	101		28.199	28.199	34.153945	-118.650747	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	14	101		28.299	28.299	34.15328	-118.652297	0.4	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	14	101		28.601	28.601	34.151703	-118.657221	0.5	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	28.795	28.795	34.151038	-118.660514	2.2	0.5	unknown	unknown
Biofiltration Strip	7	LA	4	14	101		28.8	28.8	34.150758	-118.660536	0.5	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	29.112	29.112	34.149898	-118.665811	0.6	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	6.085	6.085	33.815069	-118.185271	12.18	0.28	unknown	unknown

Biofiltration Swale	7	LA	4	1	405	S	6.637	6.637	33.820001	-118.193041	3.6	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	6.809	6.809	33.82129	-118.195562	5.8	1.1	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	N	7.16	7.16	33.824854	-118.200483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	7.374	7.374	33.825474	-118.203899	11.4	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	N	7.678	7.678	33.8269	-118.208913	3.6	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	7.909	7.909	33.825773	-118.212793	5.2	2	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	N	7.93	7.93	33.826076	-118.21327	6.9	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	8.202	8.202	33.824968	-118.217848	3.2	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	S	7.241	7.241	33.79503	-118.206981	3.57	2.62	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	S	8.13	8.13	33.807878	-118.207008	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.14	9.14	33.822634	-118.206412	1.26	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.44	9.44	33.826978	-118.207166	0.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.57	9.57	33.829165	-118.207862	0.62	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.69	9.69	33.830957	-118.208414	2.01	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.82	9.82	33.832296	-118.208384	1.41	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	S	9.83	9.83	33.832076	-118.209219	1.99	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.95	9.95	33.83423	-118.208411	2.21	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	10.409	10.409	33.840536	-118.206719	1.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	E	11	11	33.871995	-118.203445	0.43	0.9	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	E	11.032	11.032	33.87275	-118.203699	0.6	1.66	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	11.161	11.161	33.872671	-118.201482	0.67	0.53	0.25	0.3
Biofiltration Swale	7	LA	4	2	91	W	11.635	11.635	33.875116	-118.193933	0.78	0.48	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	13.62	13.62	33.875783	-118.159795	0.52	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	13.626	13.626	33.876646	-118.159824	0.66	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	13.66	13.66	33.876246	-118.159179	0.39	0.23	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	13.661	13.661	33.876247	-118.159167	0.56	0.45	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	12.42	12.42	33.919413	-118.196517	1.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	E	12.46	12.46	33.91851	-118.196307	0.77	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	12.53	12.53	33.918623	-118.194531	9.34	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	E	12.54	12.54	33.917782	-118.194928	7.26	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	12.62	12.62	33.917998	-118.193377	2.13	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	12.75	12.75	33.91717	-118.191393	1.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	13.16	13.16	33.914881	-118.184843	1.03	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	710	N	13.05	13.05	33.876466	-118.19248	1.24	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	710	N	13.23	13.23	33.879108	-118.191645	2.08	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	710	N	15.76	15.76	33.91364	-118.179572	1.07	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	710	S	17.007	17.007	33.93127	-118.179171	0.84	0.35	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	15.775	15.775	34.025214	-118.205152	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	15.88	15.88	34.026263	-118.20868	0.87	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	15.95	15.95	34.026766	-118.208373	1.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	16.021	16.021	34.026689	-118.20903	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	16.077	16.077	34.02677	-118.210032	0.44	0.75	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	17.351	17.351	34.040274	-118.218968	5.82	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	18.42	18.42	34.054461	-118.214431	2.13	0.37	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	18.52	18.52	34.056221	-118.214521	1.18	0.26	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	19.37	19.37	34.068646	-118.215707	0.43	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	17.654	17.654	34.027679	-118.230735	0.89	0.57	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	19.332	19.332	34.055102	-118.198371	5.62	1.64	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	20.8	20.8	34.059704	-118.174258	0.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	21.235	21.235	34.061177	-118.167476	1.77	0.94	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	21.27	21.27	34.060732	-118.167024	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	21.27	21.27	34.061308	-118.16689	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	21.283	21.283	34.060838	-118.166749	1.57	1.05	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	21.38	21.38	34.061047	-118.165214	0.63	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	23.279	23.279	34.071779	-118.135376	0.87	0.31	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	23.36	23.36	34.071242	-118.133979	0.96	0.64	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	23.369	23.369	34.071756	-118.133833	0.69	0.55	unknown	unknown
Biofiltration Swale	7	LA	4	3	60	E	2.616	2.616	34.032914	-118.18085	0.1	0.05	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		0.202	0.202	34.053316	-118.230339	6.25	2.65	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	0.463	0.463	34.053372	-118.23355	0.34	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		0.999	0.999	34.056238	-118.241238	7.67	3.21	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	2.355	2.355	34.068591	-118.258929	1.03	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		2.402	2.402	34.069219	-118.259843	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	110	S	23.101	23.101	34.056047	-118.256175	0.63	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	18.35	18.35	33.948437	-118.170853	1.4	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	18.49	18.49	33.950471	-118.170435	0.69	0.36	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	18.49	18.49	33.950471	-118.170435	0.16	0.92	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	18.51	18.51	33.950763	-118.170456	1.31	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	18.739	18.739	33.954125	-118.170609	1.03	0.45	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.63	19.63	33.96671	-118.168109	0.19	0.34	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.63	19.63	33.96671	-118.168109	0.2	0.51	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.66	19.66	33.967128	-118.167979	0.29	0.34	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	19.68	19.68	33.967406	-118.167899	0.47	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.69	19.69	33.967547	-118.167859	0.35	1.53	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	19.71	19.71	33.967833	-118.167795	1.2	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	19.78	19.78	33.968842	-118.167664	0.34	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.8	19.8	33.969134	-118.167652	0.17	0.27	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.83	19.83	33.96957	-118.167646	0.3	1.03	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	21.92	21.92	33.99755	-118.176735	0.23	0.07	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	21.92	21.92	33.99755	-118.176735	0.25	0.72	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	21.93	21.93	33.997692	-118.17668	0.25	0.16	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	21.97	21.97	33.998253	-118.176428	0.12	0.32	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	21.97	21.97	33.998253	-118.176428	0.18	0.16	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	22.52	22.52	34.005436	-118.172744	1.25	0.21	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	23.46	23.46	34.019092	-118.173386	0.32	0.09	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	26.09	26.09	34.055367	-118.164367	1.22	0.52	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	26.538	26.538	34.061799	-118.165357	1.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	26.649	26.649	34.063373	-118.164448	0.91	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	27.416	27.416	34.07398	-118.161581	8.75	4.01	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	21.75	21.75	34.093537	-118.241193	0.37	0.37	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	22.28	22.28	34.099166	-118.247755	0.25	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	22.58	22.58	34.102735	-118.250866	0.57	0.42	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	22.66	22.66	34.103615	-118.251415	unknown	unknown	unknown	unknown

Biofiltration Swale	7	LA	4	4	5	S	22.66	22.66	34.103886	-118.252609	3.47	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	23.01	23.01	34.107357	-118.255797	0.37	0.09	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	23.734	23.734	34.112748	-118.266439	0.26	0.14	0.38	unknown
Biofiltration Swale	7	LA	4	4	5	N	26.51	26.51	34.151518	-118.280213	0.62	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	27.82	27.82	34.164656	-118.297623	0.39	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	35.054	35.054	34.226554	-118.388909	0.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	35.832	35.832	34.231724	-118.40127	0.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	9.304	9.304	34.129547	-118.348038	0.18	0.26	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	9.801	9.801	34.133603	-118.354804	0.34	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	10.302	10.302	34.137122	-118.362283	0.46	0.17	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	11.166	11.166	34.146757	-118.371161	0.19	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	N	12.124	12.124	34.154781	-118.383564	2.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	12.412	12.412	34.154213	-118.388605	1.74	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	W	0.3	0.3	34.15264	-118.370726	3.2	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	E	0.3	0.3	34.153307	-118.370758	2.4	0.8	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	W	2.7	2.72	34.152999	-118.330215	1.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	W	2.7	2.7	34.153119	-118.330688	1.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	E	2.769	2.769	34.153124	-118.328801	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	E	2.9	2.92	34.153433	-118.326673	3.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	134		3.801	3.801	34.154902	-118.31109	3	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	14.8	14.85	34.156963	-118.379198	2.81	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	14.89	14.91	34.158359	-118.379822	0.62	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	14.97	15	34.159757	-118.380437	4.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	15.798	15.798	34.170194	-118.386074	3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	S	16	16.01	34.172262	-118.389097	1.03	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	16.03	16.16	34.173116	-118.390384	4.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	16.25	16.35	34.176353	-118.393647	2.33	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	S	17.21	17.21	34.186135	-118.402179	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	S	17.23	17.26	34.187408	-118.401562	3.44	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	17.36	17.49	34.188825	-118.401772	2.88	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	S	17.55	17.59	34.191665	-118.402147	1.45	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	17.81	17.9	34.195931	-118.40271	2.08	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5		9.126	9.126	34.267195	-118.483692	0.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	42.13	42.13	34.295397	-118.472561	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	42.13	42.13	34.296755	-118.473746	1.55	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5		42.887	42.887	34.305919	-118.482143	0.96	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5		43.762	43.762	34.31378	-118.488671	1.45	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5		44.304	44.304	34.319875	-118.494341	0.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	44.92	44.92	34.324907	-118.50184	1.47	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	N	45.89	45.89	34.336999	-118.511999	0.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	46	46	34.321364	-118.498506	0.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	46.08	46.08	34.337925	-118.515303	0.66	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	46.08	46.08	34.338284	-118.515982	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	46.12	46.12	34.338249	-118.515919	0.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	46.12	46.12	34.338771	-118.516923	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	17.51	17.51	34.164123	-118.473124	3.9	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	17.514	17.514	34.163717	-118.473527	8.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	19.2	19.2	34.170023	-118.500786	0.6	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	19.278	19.278	34.170274	-118.501952	0.6	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	19.52	19.52	34.171024	-118.506056	1	0.05	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		19.6	19.6	34.17118	-118.507449	0.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	20.854	20.854	34.171442	-118.529278	0.9	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		21.201	21.201	34.173074	-118.534964	3.7	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		21.3	21.3	34.173283	-118.536669	1.3	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	23.043	23.043	34.17283	-118.566972	0.8	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	23.155	23.155	34.172423	-118.568857	1.9	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	23.169	23.169	34.172376	-118.569094	0.9	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		23.502	23.502	34.170862	-118.574555	2.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		23.598	23.598	34.170256	-118.576156	3.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		23.802	23.802	34.169047	-118.57936	2.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	24.074	24.074	34.168307	-118.583959	2	0.8	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	24.338	24.338	34.168566	-118.58841	0.2	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		24.499	24.499	34.168501	-118.591265	1.6	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		24.699	24.699	34.169028	-118.594699	1.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		25.101	25.101	34.170083	-118.601551	3.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	25.135	25.135	34.169985	-118.602186	3.4	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	25.156	25.156	34.170454	-118.602505	2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	118		1.579	1.579	34.277683	-118.608589	3.06	0.81	unknown	unknown
Biofiltration Swale	7	LA	4	5	118		2.695	2.695	34.273487	-118.590202	2.49	1.56	unknown	unknown
Biofiltration Swale	7	LA	4	5	118		9.126	9.126	34.267195	-118.483692	3.36	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	210	W	0.163	0.163	34.31787	-118.488112	0.57	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	210	E	0.34	0.34	34.318005	-118.485424	0.69	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	405	S	37.8	37.8	34.136903	-118.471532	21.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	405	S	38.3	38.3	34.144179	-118.47125	10.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	405		42.101	42.101	34.197161	-118.474256	5.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	405		43.4	43.4	34.215959	-118.473245	9.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	405		44.8	44.8	34.236283	-118.473044	4.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	91	E	9.49	9.49	33.87387	-118.230353	2.19	0.32	unknown	unknown
Biofiltration Swale	7	LA	4	6	91	E	10.25	10.25	33.872573	-118.217283	3.68	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	91	W	10.329	10.329	33.873466	-118.2158	0.73	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	6	104	E	9.74	9.74	33.928045	-118.240054	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	8.31	8.31	33.926969	-118.264526	8.04	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	8.46	8.46	33.926999	-118.261894	12.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	9.21	9.21	33.929	-118.249175	1.78	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	9.64	9.64	33.92882	-118.241801	1.01	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	9.7	9.7	33.928079	-118.240767	2.29	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	9.74	9.74	33.927363	-118.240039	1	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	10.07	10.07	33.928362	-118.234325	0.74	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	10.07	10.07	33.928836	-118.234001	0.74	0.07	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	10.12	10.12	33.928337	-118.233476	0.53	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	10.12	10.12	33.928736	-118.233282	0.53	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	10.97	10.97	33.928604	-118.219265	1.01	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.02	11.02	33.928867	-118.218216	1.48	unknown	unknown	unknown

Biofiltration Swale	7	LA	4	6	105	E	11.07	11.07	33.92797	-118.217699	0.65	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.2	11.2	33.92732	-118.214576	1.46	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.25	11.25	33.927246	-118.214411	1.45	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.26	11.26	33.927189	-118.214253	0.51	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.3	11.3	33.92688	-118.213485	0.53	0.36	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.42	11.42	33.926105	-118.211758	2.51	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.56	11.56	33.925156	-118.20974	0.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	11.638	11.638	33.923898	-118.208881	0.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	11.64	11.64	33.923917	-118.208914	1.01	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	11.65	11.65	33.923876	-118.208781	2.16	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.77	11.77	33.923829	-118.206434	1.13	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.83	11.83	33.923342	-118.205611	0.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.9	11.9	33.922843	-118.204549	0.56	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.94	11.94	33.92259	-118.203965	1.77	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	12.07	12.07	33.921262	-118.202481	0.77	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	12.08	12.08	33.92091	-118.202061	7.14	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	12.28	12.28	33.919491	-118.198803	7.78	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	12.29	12.29	33.920234	-118.198607	0.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	12.3	12.3	33.919644	-118.198723	0.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	12.35	12.35	33.919257	-118.19796	0.72	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	110		13.809	13.809	33.928681	-118.280547	3.19	2.14	unknown	unknown
Biofiltration Swale	7	LA	4	7	5	S	8.42	8.42	33.958531	-118.113102	1.44	0.12	unknown	unknown
Biofiltration Swale	7	LA	4	7	5	N	8.53	8.53	33.960012	-118.114333	1.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	5	N	8.89	8.89	33.963752	-118.119215	0.62	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	7	5	N	8.93	8.93	33.964223	-118.119126	1.39	0.54	unknown	unknown
Biofiltration Swale	7	LA	4	7	5	S	8.96	8.96	33.963716	-118.120363	0.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	E	24.009	24.009	34.071385	-118.122651	1.13	0.79	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	W	24.867	24.867	34.072259	-118.107709	0.68	0.48	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	W	25.299	25.299	34.072294	-118.100165	1.62	1.36	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	E	25.36	25.36	34.071664	-118.099111	0.9	0.48	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	E	25.419	25.419	34.071594	-118.098077	1.67	0.69	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	W	25.427	25.427	34.072274	-118.097944	2	0.83	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	E	26.83	26.83	34.071941	-118.073477	1.18	0.37	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	E	26.837	26.837	34.071893	-118.073375	0.07	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	W	27.48	27.48	34.072698	-118.06227	2.05	0.25	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	3.424	3.424	34.042527	-118.063834	0.65	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	4.36	4.36	34.03546	-118.151443	0.33	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	4.51	4.51	34.035003	-118.148832	0.4	1.57	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	7.02	7.02	34.034931	-118.105958	1.95	2.5	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	7.608	7.608	34.035318	-118.095719	2.67	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	7.61	7.61	34.035321	-118.095729	2.67	0.54	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	7.61	7.61	34.035699	-118.095716	2.67	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	7.877	7.877	34.036741	-118.091282	0.69	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	7.88	7.88	34.036466	-118.091141	0.69	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	7.88	7.88	34.036733	-118.091251	0.69	0.47	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	8.49	8.49	34.038765	-118.081438	0.65	1.02	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.17	9.17	34.041049	-118.070153	5.62	4.93	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.53	9.53	34.041021	-118.063904	0.56	0.19	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.531	9.531	34.041128	-118.063907	0.75	0.19	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.539	9.539	34.041444	-118.063759	1.51	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.54	9.54	34.041588	-118.063776	1.18	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.59	9.59	34.041556	-118.062851	1.93	1.08	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.598	9.598	34.041628	-118.062721	3.01	1.08	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.609	9.609	34.041501	-118.062522	0.62	0.25	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.661	9.661	34.041127	-118.06167	2.44	0.59	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.867	9.867	34.040838	-118.058067	0.88	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.869	9.869	34.040679	-118.058166	1.31	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.87	9.87	34.040606	-118.058215	0.55	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.87	9.87	34.040621	-118.058152	1.18	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.87	9.87	34.040626	-118.058173	0.66	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.872	9.872	34.040691	-118.058115	0.79	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.945	9.945	34.040631	-118.056868	1.05	0.26	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.084	10.084	34.040192	-118.054309	1.08	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.13	10.13	34.039729	-118.053776	0.93	1.17	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	10.214	10.214	34.039967	-118.052033	0.61	0.18	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.304	10.304	34.039422	-118.050778	2.1	1.17	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	10.318	10.318	34.039738	-118.050269	1.61	0.37	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	10.388	10.388	34.039469	-118.049126	0.99	0.32	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	10.39	10.39	34.039552	-118.049176	0.67	0.32	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.597	10.597	34.038445	-118.04572	0.87	0.27	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.598	10.598	34.038438	-118.045704	0.88	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.598	10.598	34.038526	-118.045656	1.12	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.598	10.598	34.038535	-118.045654	2.87	0.49	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.598	10.598	34.038539	-118.045654	1.14	0.27	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.599	10.599	34.038434	-118.045674	2.44	0.65	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.599	10.599	34.038536	-118.045644	3.09	0.65	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.6	10.6	34.038435	-118.045696	2.38	0.49	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.97	10.97	34.037303	-118.039397	0.37	0.39	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	S	2.899	2.899	34.034866	-118.064716	1.37	0.41	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	S	2.999	2.999	34.036293	-118.064422	0.4	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	N	3	3	34.036284	-118.064207	0.88	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	N	3.101	3.101	34.037768	-118.064156	0.46	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	S	3.199	3.199	34.039237	-118.064396	1.86	0.49	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	N	3.2	3.2	34.039229	-118.064089	0.64	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	25.31	25.31	34.151433	-118.149928	1.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	29.84	29.84	34.148718	-118.067258	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	30.64	30.64	34.149268	-118.053373	1.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	30.77	30.77	34.149305	-118.051121	1.18	0.57	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	30.94	30.94	34.14923	-118.047477	1.14	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	31.6	31.6	34.148159	-118.037024	1.13	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	31.8	31.8	34.148104	-118.033236	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	32.01	32.01	34.139628	-118.015446	2.07	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	32.83	32.83	34.140843	-118.016205	0.4	unknown	unknown	unknown

Biofiltration Swale	7	LA	4	7	210	W	32.908	32.908	34.140316	-118.016672	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	33.273	33.273	34.137172	-118.011731	2.36	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	35.71	35.71	34.135379	-117.969605	0.86	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	35.71	35.71	34.135403	-117.969604	0.81	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	35.71	35.71	34.13541	-117.96959	1.54	0.19	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	35.71	35.71	34.135825	-117.969671	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	605	S	24.618	24.618	34.117126	-117.975119	6.4	6.99	unknown	unknown
Biofiltration Swale	7	LA	4	7	605	S	24.785	24.785	34.117391	-117.974684	4.85	6.53	unknown	unknown
Biofiltration Swale	7	LA	4	7	710	S	31.681	31.681	34.134519	-118.155478	0.99	0.09	unknown	unknown
Biofiltration Swale	7	LA	4	7	710	N	31.907	31.907	34.137876	-118.154253	208.67	116.08	unknown	unknown
Biofiltration Swale	7	LA	4	8	2	S	44.5	44.5	34.274157	-118.014682	0.27	0.11	unknown	unknown
Biofiltration Swale	7	LA	4	8	2	S	45.82	45.82	34.284966	-117.997289	0.39	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	19.7	19.7	34.20656	-118.203323	0.61	0.87	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	19.75	19.75	34.206143	-118.201361	0.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	19.75	19.75	34.206607	-118.201422	0.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	W	19.75	19.75	34.206931	-118.198446	0.21	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	19.8	19.8	34.206855	-118.201559	0.63	0.46	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	W	19.998	19.998	34.206008	-118.198245	0.23	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	21.265	21.265	34.193811	-118.182567	0.91	0.54	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	21.309	21.309	34.193406	-118.181933	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	2	N	18.76	18.76	34.146396	-118.226359	0.26	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	9	134	W	8.5	8.5	34.15107	-118.234047	2.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	134	E	8.6	8.6	34.149483	-118.233463	0.93	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	210		10.865	10.865	34.262466	-118.332447	1.69	0.04	unknown	unknown
Biofiltration Swale	7	LA	4	9	210		15.649	15.649	34.23114	-118.26592	1.11	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	9	210	E	16.9	16.9	34.222043	-118.247326	0.21	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	S	28.41	28.41	34.169409	-118.304146	0.23	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	N	28.41	28.41	34.170281	-118.303225	0.22	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	N	28.45	28.45	34.169449	-118.304214	0.18	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	S	28.45	28.45	34.17031	-118.305305	0.39	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	N	32.123	32.123	34.209978	-118.345431	2.17	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	S	34.253	34.253	34.225377	-118.375477	1.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	6.62	6.62	34.281305	-118.399885	0.94	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	7.515	7.515	34.27665	-118.38616	1.76	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	7.757	7.757	34.275652	-118.382019	0.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	8.381	8.381	34.27419	-118.371402	3.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	E	8.591	8.591	34.273408	-118.367776	1.05	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	E	9.368	9.368	34.272091	-118.354356	0.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	9.372	9.372	34.272601	-118.354203	0.33	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	E	9.479	9.479	34.271845	-118.352449	0.53	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	9.48	9.48	34.272372	-118.352324	0.32	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210		14.107	14.107	34.234989	-118.292357	2	0.26	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	N	37.4	37.4	34.244546	-118.422219	2.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	N	38.46	38.46	34.255971	-118.434308	0.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	S	38.54	38.54	34.256832	-118.435219	2.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5		40.049	40.049	34.274612	-118.450668	0.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	S	40.05	40.05	34.274612	-118.450668	0.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	S	41	41	34.284367	-118.459172	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	S	41	41	34.284653	-118.45954	2.84	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	S	41.22	41.22	34.285282	-118.459656	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	N	41.22	41.22	34.286656	-118.461886	1.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	101	S	12.534	12.534	34.154179	-118.390739	2.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	101	S	12.635	12.635	34.154273	-118.392506	3.06	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	170	S	19.8	19.8	34.222988	-118.410507	1.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	170	S	19.83	19.83	34.22196	-118.410637	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	0.699	0.699	34.322029	-118.481489	0.22	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	W	0.834	0.834	34.323213	-118.479667	0.56	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	0.958	0.958	34.322863	-118.477415	0.56	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	1.098	1.098	34.322923	-118.474974	1.02	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	W	1.458	1.458	34.323781	-118.46873	1.14	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	1.77	1.77	34.323452	-118.46325	0.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	1.893	1.893	34.323329	-118.461146	0.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	2.421	2.421	34.323385	-118.452052	1.38	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	3.067	3.067	34.318399	-118.442855	0.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	3.247	3.247	34.31661	-118.440566	0.75	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	3.316	3.316	34.315925	-118.439684	0.17	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	3.537	3.537	34.313745	-118.436865	0.86	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	W	4.232	4.232	34.307148	-118.427784	0.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	4.887	4.887	34.299786	-118.420355	0.63	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	W	5.097	5.097	34.297949	-118.41747	0.59	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	5.975	5.975	34.287892	-118.407747	0.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	W	14.211	14.211	34.285726	-118.404511	0.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	405		45.498	45.498	34.246437	-118.472816	3.9	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	405		46.4	46.4	34.259464	-118.472219	5.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	12	118		3.145	3.145	34.273411	-118.582433	1.24	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	12	118		3.328	3.328	34.273453	-118.579032	1.68	0.29	unknown	unknown
Biofiltration Swale	7	LA	4	12	118		3.348	3.348	34.27346	-118.578683	1.05	0.12	unknown	unknown
Biofiltration Swale	7	LA	4	12	118		5.498	5.498	34.274468	-118.541523	1.1	0.39	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	S	25.455	25.455	34.170518	-118.607572	2.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		25.899	25.899	34.167754	-118.614369	0.6	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		26.801	26.801	34.162627	-118.628755	4.9	2.3	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		26.901	26.901	34.16204	-118.630353	0.9	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	N	27.039	27.039	34.161406	-118.632618	2.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	N	27.19	27.19	34.160656	-118.635062	1.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		27.198	27.198	34.160279	-118.635148	1.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	S	27.262	27.262	34.159594	-118.635955	0.2	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	S	27.391	27.391	34.159397	-118.638207	0.6	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	N	27.404	27.404	34.158915	-118.638274	0.8	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	S	27.6	27.6	34.15795	-118.641451	0.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		28.299	28.299	34.15328	-118.652297	2.9	0.9	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		28.401	28.401	34.152677	-118.653911	1.2	0.3	unknown	unknown
Delaware Sand Filter	7	LA	4	2	91	W	11.067	11.067	33.872696	-118.203013	0.72	0.51	unknown	unknown
Delaware Sand Filter	7	LA	4	3	10	W	22.34	22.34	34.068921	-118.150919	1.66	0.61	unknown	unknown

Delaware Sand Filter	7	LA	4	6	91	E	10.067	10.067	33.873719	-118.2203	1.42	2.05	unknown	unknown
Delaware Sand Filter	7	LA	4	6	91	E	10.187	10.187	33.873548	-118.21839	1.94	2.54	unknown	unknown
Delaware Sand Filter	7	LA	4	7	10	E	26.9	26.9	34.071946	-118.072276	1.26	0.42	unknown	unknown
Delaware Sand Filter	7	LA	4	7	60	E	10.95	10.95	34.037365	-118.039688	1.22	unknown	unknown	unknown
Detention Basin	7	LA	4	2	710	S	15.66	15.66	33.912363	-118.180138	unknown	unknown	unknown	unknown
Detention Basin	7	LA	4	2	710	N	17.019	17.019	33.931198	-118.178072	3.54	unknown	unknown	unknown
Detention Basin	7	LA	4	3	710	N	21.9	21.9	33.997335	-118.176803	unknown	unknown	unknown	unknown
Detention Basin	7	LA	4	3	710	N	23.36	23.36	34.018588	-118.172877	2.35	1.54	unknown	unknown
Detention Basin	7	LA	4	4	5	N	27.4	28.1	34.164778	-118.295469	2.85	unknown	unknown	unknown
Detention Basin	7	LA	4	4	5	S	27.82	27.82	34.163784	-118.296387	1.96	unknown	unknown	unknown
Detention Basin	7	LA	4	5	118		2.635	2.635	34.273536	-118.591249	4.94	unknown	unknown	unknown
Detention Basin	7	LA	4	5	118		7.709	7.709	34.278039	-118.503733	2.07	unknown	unknown	unknown
Detention Basin	7	LA	4	6	105	E	10.1	10.1	33.927692	-118.233823	4.59	unknown	unknown	unknown
Detention Basin	7	LA	4	6	110	N	15.939	15.939	33.959569	-118.280499	4.04	0.3	unknown	unknown
Detention Basin	7	LA	4	7	5	S	8.72	8.72	33.961568	-118.116435	1.6	unknown	unknown	unknown
Detention Basin	7	LA	4	7	5	S	9.39	9.39	33.97041	-118.122999	6.67	0.17	unknown	unknown
Detention Basin	7	LA	4	10	5	S	28.41	28.41	34.169422	-118.304093	5.4	unknown	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	1	405	S	6.2	6.2	33.81603	-118.186949	unknown	3.05	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	5	N	16.101	16.101	34.02723	-118.210242	unknown	0.4	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	10	W	18.014	18.014	34.029655	-118.225005	unknown	0.15	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	60	E	0.413	0.413	34.029106	-118.218276	unknown	0.63	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	710	N	23.3	25.6	34.016558	-118.172987	unknown	36.82	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	710	N	24.401	24.401	34.032363	-118.170372	unknown	28.73	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	4	170	N	16.626	16.626	34.179237	-118.395076	unknown	0.32	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	5	118	N	8.992	8.992	34.268306	-118.485444	unknown	0.48	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	6	105	E	7.798	7.798	33.928004	-118.273494	unknown	15	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	7	605	N	24.578	24.578	34.117023	-117.975287	7.41	3.05	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	11.1	11.1	33.872676	-118.202505	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	11.22	11.22	33.873328	-118.2003	5.28	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.1	12.1	33.876798	-118.18613	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.15	12.15	33.876803	-118.18527	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.26	12.26	33.876486	-118.183476	0.95	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.27	12.27	33.876488	-118.183065	3.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.3	12.3	33.87683	-118.182705	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.35	12.35	33.876538	-118.181629	1.67	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.5	12.5	33.87685	-118.17923	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.54	12.54	33.877218	-118.178469	1.34	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.55	12.55	33.876854	-118.178357	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.56	12.56	33.877217	-118.178065	1.34	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.6	12.6	33.876858	-118.177484	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.6	12.6	33.876858	-118.177484	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.61	12.61	33.876554	-118.177208	1.18	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.62	12.62	33.877234	-118.177167	1.18	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.8	12.8	33.876877	-118.173999	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.85	12.85	33.876551	-118.173223	2.76	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.85	12.85	33.876842	-118.173156	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.92	12.92	33.876382	-118.171965	1.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	13.4	13.4	33.876035	-118.163679	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	13.46	13.46	33.87638	-118.162698	1.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	13.8	13.8	33.876786	-118.156796	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.41	12.41	33.919464	-118.196575	1.43	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.44	12.44	33.918478	-118.196426	1.72	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.5	12.5	33.918523	-118.195465	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.5	12.5	33.918523	-118.195465	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.53	12.53	33.918615	-118.194656	1.08	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.54	12.54	33.917876	-118.194989	1.27	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.6	12.6	33.917818	-118.193848	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.6	12.6	33.917818	-118.193848	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.62	12.62	33.918003	-118.19323	1.24	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.63	12.63	33.917215	-118.193496	0.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.65	12.65	33.91748	-118.193096	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.7	12.7	33.917155	-118.192356	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.72	12.72	33.917302	-118.191618	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.76	12.76	33.916347	-118.191577	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	13.1	13.1	33.914842	-118.185948	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	13.15	13.15	33.914156	-118.185049	0.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	13.66	13.66	33.912116	-118.176758	1.22	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	5	S	16.2	16.2	34.027918	-118.211774	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	5	S	18.42	18.42	34.054461	-118.214439	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	W	18.408	18.408	34.055492	-118.21393	1.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	S	18.52	18.52	34.056115	-118.214569	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	20.83	20.83	34.059991	-118.173416	0.52	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	60	E	2.7	2.7	34.033906	-118.179626	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	60	E	4	4	34.036606	-118.157427	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	101	S	2.349	2.349	34.068544	-118.258839	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	101	S	16.346	16.346	34.02825	-118.214439	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	110	N	23	23	34.054656	-118.257308	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	110	N	23.11	23.11	34.055892	-118.255372	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	110	S	23.6	23.6	34.061299	-118.250308	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	110	S	23.61	23.61	34.061704	-118.25044	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	17.97	17.97	33.942877	-118.170991	0.87	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	17.99	17.99	33.943169	-118.170954	1.34	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	17.99	17.99	33.943169	-118.170954	0.49	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	22.49	22.49	34.005011	-118.172854	3.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	22.5	22.5	34.005317	-118.172774	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	22.6	22.6	34.006781	-118.17248	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	22.65	22.65	34.007482	-118.172399	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	23	23	34.012523	-118.172355	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	23.01	23.01	34.012669	-118.172356	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	23.02	23.02	34.012816	-118.172357	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	23.03	23.03	34.012962	-118.172359	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	23.1	23.1	34.013984	-118.172368	unknown	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	3	710	S	23.12	23.12	34.014274	-118.172356	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	23.2	23.2	34.015315	-118.172492	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	23.6	23.6	34.021133	-118.173316	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	23.61	23.61	34.021272	-118.173278	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	23.8	23.8	34.02394	-118.172511	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	25.61	25.61	34.049073	-118.166654	1.22	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	27.454	27.454	34.074542	-118.161669	8.75	4.01	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	E	15.4	15.4	34.106419	-118.249402	0.83	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	W	15.79	15.79	34.111619	-118.247583	0.57	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	N	16.78	16.78	34.11861	-118.23255	1.92	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	E	16.78	16.78	34.119002	-118.232891	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	W	17.02	17.02	34.121826	-118.230019	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	W	17.05	17.05	34.123061	-118.229341	4.11	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	W	17.05	17.05	34.125497	-118.228638	2.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	E	17.78	17.78	34.132389	-118.229087	5.99	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	22.58	22.58	34.102731	-118.250858	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	N	23.15	23.15	34.108261	-118.258021	3.11	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	27.61	27.61	34.162041	-118.29415	2.52	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	27.68	27.68	34.162868	-118.294918	1.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	28.07	28.07	34.166525	-118.299719	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	36.23	36.23	34.232243	-118.407761	0.79	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	101	S	10.5	10.5	34.138943	-118.365384	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	101	N	11.214	11.214	34.14798	-118.371235	4.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	101	S	12.423	12.423	34.154207	-118.388803	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	0.03	0.03	34.153432	-118.37576	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	0.049	0.049	34.153648	-118.375869	0.79	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	0.15	0.15	34.152978	-118.373716	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	0.189	0.189	34.152609	-118.372883	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	0.247	0.247	34.153317	-118.37235	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	0.25	0.25	34.152874	-118.372132	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	0.26	0.26	34.152879	-118.371975	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	0.299	0.299	34.153291	-118.37145	3.16	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	1.3	1.3	34.153011	-118.353908	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	1.36	1.36	34.152839	-118.352884	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	2.591	2.591	34.152828	-118.331842	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	2.6	2.6	34.152563	-118.33164	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	3	3	34.153923	-118.324934	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	3.087	3.087	34.153847	-118.32353	5.14	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	3.12	3.12	34.154334	-118.3229	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	3.219	3.219	34.154375	-118.321364	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	9.45	9.45	34.145057	-118.218351	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	14.865	14.865	34.158002	-118.379309	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	14.87	14.87	34.157961	-118.379649	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.41	15.41	34.165246	-118.382479	2.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.41	15.41	34.165414	-118.382907	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.55	15.55	34.167184	-118.383675	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.55	15.55	34.167484	-118.383281	1.18	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.59	15.59	34.167478	-118.384359	1.01	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.59	15.59	34.167718	-118.383941	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.73	15.73	34.16916	-118.385468	1.63	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.73	15.73	34.169442	-118.385234	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.82	15.82	34.170393	-118.38633	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.82	15.82	34.170768	-118.385894	0.76	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.95	15.95	34.171549	-118.388024	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.95	15.95	34.171903	-118.387989	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.98	15.98	34.171445	-118.388809	1.08	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.98	15.98	34.171813	-118.388421	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.05	16.05	34.172428	-118.389348	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.05	16.05	34.172831	-118.389048	0.79	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.14	16.14	34.173219	-118.39054	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.14	16.14	34.173549	-118.390347	0.66	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.19	16.19	34.173676	-118.3912	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.19	16.19	34.17412	-118.391143	1.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.23	16.23	34.174063	-118.391689	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.43	16.43	34.176436	-118.393695	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.43	16.43	34.17678	-118.393376	2.04	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.66	16.66	34.179642	-118.39529	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.66	16.66	34.179837	-118.394932	1.82	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.73	16.73	34.18054	-118.395884	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.73	16.73	34.180707	-118.395524	1.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.86	16.86	34.182032	-118.397262	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.86	16.86	34.182321	-118.396912	0.95	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.98	16.98	34.18321	-118.398719	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.98	16.98	34.183474	-118.398362	1.43	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.08	17.08	34.184245	-118.399893	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.08	17.08	34.184667	-118.399469	1.96	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.19	17.19	34.185622	-118.400912	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.19	17.19	34.185882	-118.400404	1.75	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.21	17.21	34.185891	-118.401061	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.21	17.21	34.186253	-118.400216	0.31	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.28	17.28	34.186888	-118.401434	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.28	17.28	34.187015	-118.400917	1.29	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.32	17.32	34.187453	-118.401571	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.32	17.32	34.18769	-118.400753	0.88	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.42	17.42	34.188894	-118.401781	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.42	17.42	34.189005	-118.401413	1.27	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.56	17.56	34.190926	-118.402046	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.56	17.56	34.190981	-118.401681	0.94	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	17.57	17.57	34.191071	-118.402066	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	17.57	17.57	34.191254	-118.40253	0.77	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	17.66	17.66	34.192375	-118.402241	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.66	17.66	34.192375	-118.402241	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	17.66	17.66	34.192414	-118.402605	1.2	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	4	170	N	17.66	17.66	34.192505	-118.401882	1.08	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.1	44.1	34.31969	-118.496412	2.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.3	44.3	34.320613	-118.496646	4.35	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.4	44.4	34.320619	-118.496639	2.57	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.43	44.43	34.320975	-118.496204	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.5	44.5	34.321535	-118.497195	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.9	44.9	34.32491	-118.502784	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	45.66	45.66	34.333901	-118.505598	1.68	2.18	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	45.662	45.662	34.334201	-118.50955	1.83	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	N	45.8	45.8	34.336736	-118.511552	0.86	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	N	45.91	45.91	34.337096	-118.512296	1.71	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	N	45.99	45.99	34.337948	-118.513445	1.07	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	N	45.99	45.99	34.338094	-118.51373	1.07	0.4	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.2	14.2	34.156753	-118.419246	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.262	14.262	34.1565	-118.420319	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.4	14.4	34.156595	-118.42272	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.526	14.526	34.155877	-118.424767	3.53	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.7	14.7	34.155637	-118.42772	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.779	14.779	34.155288	-118.429125	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	16.71	16.71	34.159767	-118.461998	2.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	16.9	16.9	34.159309	-118.465292	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	17.5	17.5	34.164088	-118.47308	3.9	0.3	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	18.198	18.198	34.165061	-118.485147	4.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	18.407	18.407	34.165518	-118.488731	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	18.6	18.6	34.165359	-118.492065	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	19.5	19.5	34.17118	-118.505702	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	19.6	19.6	34.17118	-118.507449	0.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	20.574	20.574	34.171414	-118.524416	2.7	0.4	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	20.996	20.996	34.172093	-118.531528	4.5	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	22.6	22.6	34.173633	-118.55925	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	22.671	22.671	34.173858	-118.560526	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	23.138	23.138	34.172505	-118.568573	1.9	0.2	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	23.178	23.178	34.172359	-118.569257	0.9	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	24.081	24.081	34.168309	-118.584079	unknown	0.8	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	24.499	24.499	34.168501	-118.591265	1.6	0.7	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	24.699	24.699	34.169028	-118.594699	1.3	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	118		9.126	9.126	34.267195	-118.483692	3.36	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	405	S	40.285	40.285	34.172143	-118.467654	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	91	E	10.2	10.2	33.873525	-118.21805	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	91	E	10.25	10.25	33.872429	-118.217359	2.45	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	91	E	10.8	10.8	33.873509	-118.207533	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	91	E	10.84	10.84	33.873005	-118.206847	4.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	7	7	33.928224	-118.287533	1.13	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.01	8.01	33.927116	-118.270115	2.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.12	8.12	33.927139	-118.267944	1.19	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.2	8.2	33.927476	-118.26657	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.24	8.24	33.927476	-118.265881	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.25	8.25	33.927052	-118.26573	7.14	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.31	8.31	33.927027	-118.264631	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.43	8.43	33.927064	-118.262524	6.35	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.45	8.45	33.927474	-118.26226	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.47	8.47	33.927474	-118.261916	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.5	8.5	33.927474	-118.261398	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.59	8.59	33.927479	-118.259849	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.6	8.6	33.927483	-118.259677	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.67	8.67	33.927955	-118.258243	4.94	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.7	8.7	33.927591	-118.257985	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.74	8.74	33.928089	-118.257385	0.73	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.75	8.75	33.928153	-118.257054	1.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.84	8.84	33.928494	-118.255377	1.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.93	8.93	33.927812	-118.254077	0.97	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.94	8.94	33.928775	-118.253144	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9	9	33.928248	-118.252898	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.04	9.04	33.928856	-118.252003	2.22	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.08	9.08	33.928923	-118.251267	1.9	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.09	9.09	33.928918	-118.250905	0.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.1	9.1	33.928472	-118.251201	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.15	9.15	33.928584	-118.250353	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.2	9.2	33.928338	-118.248921	8.31	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.2	9.2	33.928682	-118.24946	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.23	9.23	33.928738	-118.248717	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.3	9.3	33.928776	-118.24764	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.34	9.34	33.928344	-118.246633	0.83	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.5	9.5	33.928632	-118.244176	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.5	9.5	33.928632	-118.244176	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.54	9.54	33.928871	-118.241811	9.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.6	9.6	33.928527	-118.242449	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.7	9.7	33.928423	-118.240721	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.7	9.7	33.928799	-118.240808	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.71	9.71	33.92783	-118.24124	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	10.08	10.08	33.928372	-118.233504	19.85	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	10.97	10.97	33.928621	-118.219295	1.01	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.02	11.02	33.928855	-118.21818	1.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	11.07	11.07	33.927967	-118.217681	0.65	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.1	11.1	33.928247	-118.216759	0.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	11.14	11.14	33.927451	-118.216541	0.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.76	11.76	33.923859	-118.206445	2.47	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.8	11.8	33.923281	-118.206264	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.81	11.81	33.923407	-118.205619	1.82	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.85	11.85	33.922953	-118.205514	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.88	11.88	33.922996	-118.204684	0.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.89	11.89	33.922687	-118.204906	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	11.95	11.95	33.922286	-118.203988	unknown	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	6	105	W	11.96	11.96	33.922218	-118.203832	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	11.98	11.98	33.921623	-118.203618	0.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.98	11.98	33.922331	-118.203198	1.07	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12	12	33.921942	-118.203208	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	12	12	33.921942	-118.203208	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.08	12.08	33.920936	-118.201963	1.82	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	12.08	12.08	33.921657	-118.201611	1.65	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	12.25	12.25	33.920241	-118.199359	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	12.25	12.25	33.920478	-118.198927	0.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.28	12.28	33.919601	-118.198881	0.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.3	12.3	33.919898	-118.198575	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	12.3	12.3	33.919898	-118.198575	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.35	12.35	33.919556	-118.197791	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.36	12.36	33.919099	-118.197721	1.03	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.4	12.4	33.919214	-118.197009	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	14.85	14.85	33.943839	-118.279686	2.67	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	S	15.08	15.08	33.947167	-118.279749	4.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	15.189	15.189	33.948786	-118.279346	5.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	150	E	8.46	8.46	33.927068	-118.261846	2.31	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	10	E	27.16	27.16	34.071983	-118.067777	2.04	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	10	W	27.35	27.35	34.072348	-118.064439	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	10	W	29.59	29.59	34.068396	-118.026536	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	10	E	29.94	29.94	34.067191	-118.020654	1.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	4.17	4.17	34.036209	-118.154547	0.76	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	4.4	4.4	34.035501	-118.150677	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	4.8	4.8	34.033089	-118.144379	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	4.9	4.9	34.033008	-118.142634	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	4.91	4.91	34.033009	-118.142459	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.2	5.2	34.033062	-118.137395	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.21	5.21	34.033064	-118.13722	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.3	5.3	34.033072	-118.135644	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.7	5.7	34.03315	-118.128667	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	5.71	5.71	34.033152	-118.128493	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.8	5.8	34.033174	-118.126926	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	5.81	5.81	34.033177	-118.126752	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.82	5.82	34.033179	-118.126578	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	5.83	5.83	34.033182	-118.126404	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.84	5.84	34.033184	-118.12623	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	5.85	5.85	34.033187	-118.126056	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.9	5.9	34.0332	-118.125186	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	5.91	5.91	34.033202	-118.125012	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	6.04	6.04	34.033479	-118.122762	0.93	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	6.05	6.05	34.033001	-118.122586	0.92	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	6.14	6.14	34.033026	-118.121003	1.43	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	6.34	6.34	34.033066	-118.117523	0.9	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	6.6	6.6	34.033348	-118.113019	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	210	W	32.492	32.492	34.143939	-118.022675	1.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	210	W	33.013	33.013	34.139212	-118.01538	1.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	210	E	34.94	34.94	34.135324	-117.983016	1.27	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	605	S	24.196	24.196	34.115746	-117.977037	0.59	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	605	S	24.196	24.196	34.115746	-117.977037	3.07	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	605	S	24.196	24.196	34.115746	-117.977037	0.96	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	605	S	24.196	24.196	34.115746	-117.977037	0.61	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	710	M	19.7	19.7	34.140037	-118.154831	218.5	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	710	N	32.187	32.187	34.1419	-118.154643	208.67	116.08	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.73	22.73	34.178695	-118.166051	0.89	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.73	22.73	34.178969	-118.165899	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.79	22.79	34.178083	-118.165309	1.49	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.79	22.79	34.178405	-118.165111	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.81	22.81	34.178215	-118.164849	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.81	22.81	34.178384	-118.164543	0.38	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.84	22.84	34.177609	-118.164589	0.24	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.84	22.84	34.177928	-118.164456	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.88	22.88	34.177545	-118.163932	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.88	22.88	34.177744	-118.163549	0.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.89	22.89	34.176683	-118.163468	0.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.89	22.89	34.177447	-118.163802	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.92	22.92	34.177156	-118.16341	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.92	22.92	34.177335	-118.163038	0.34	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.93	22.93	34.17625	-118.162933	0.44	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.93	22.93	34.17706	-118.163279	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	23.01	23.01	34.175912	-118.16252	0.79	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	23.01	23.01	34.176297	-118.162226	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	23.46	23.46	34.171048	-118.157944	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	23.46	23.46	34.172304	-118.158859	0.92	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	23.73	23.73	34.167108	-118.158016	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.77	23.77	34.166126	-118.15772	1.02	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.77	23.77	34.166534	-118.158062	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.84	23.84	34.165427	-118.157693	1.01	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.84	23.84	34.165532	-118.15815	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.88	23.88	34.164809	-118.15774	0.34	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.88	23.88	34.16495	-118.158197	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	38.16	38.16	34.167165	-118.158431	0.44	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	E	18.47	18.47	34.141786	-118.227209	2.12	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	W	18.56	18.56	34.143071	-118.227962	0.75	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	E	18.57	18.57	34.143061	-118.226635	1.45	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	E	19.07	19.07	34.150105	-118.224384	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	W	19.21	19.21	34.152638	-118.225438	7.23	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	W	20.48	20.48	34.170249	-118.22351	3.13	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	W	21.46	21.46	34.183759	-118.217884	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	S	21.46	21.46	34.183835	-118.218959	8.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	6.061	6.061	34.153802	-118.273235	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	6.1	6.1	34.154456	-118.272709	unknown	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	9	134	E	6.199	6.199	34.154519	-118.270957	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	W	6.4	6.4	34.155597	-118.267718	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	W	6.475	6.475	34.156279	-118.26652	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	8	8	34.154974	-118.240217	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	8.2	8.2	34.153033	-118.237475	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	W	8.3	8.3	34.152053	-118.236156	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	8.303	8.303	34.151714	-118.236333	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	W	8.449	8.449	34.151002	-118.234086	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	8.5	8.5	34.150225	-118.23363	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	8.573	8.573	34.149329	-118.232631	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	9.2	9.2	34.145722	-118.222665	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	9.25	9.25	34.145547	-118.221803	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	9.34	9.34	34.145287	-118.220259	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	9.43	9.43	34.14509	-118.218696	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	10.1	10.1	34.145507	-118.207047	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	210		10.505	10.505	34.266663	-118.336487	1.55	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	10	5	N	32.137	32.137	34.210117	-118.345598	2.17	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	10	5	N	32.81	32.81	34.216956	-118.353782	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	10	5	S	34.321	34.321	34.226057	-118.376338	3.99	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	10	210	W	8.6	8.6	34.273694	-118.367673	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	10	210	E	9.082	9.082	34.273049	-118.35925	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	S	39.749	39.749	34.270687	-118.448108	2.47	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	S	39.749	39.749	34.270936	-118.447814	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	N	39.805	39.805	34.271862	-118.447996	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	N	39.807	39.807	34.271637	-118.448368	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	S	40.129	40.129	34.275201	-118.451869	2.47	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	S	40.132	40.132	34.275516	-118.451594	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	S	40.358	40.358	34.277306	-118.45485	0.79	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	101	S	12.545	12.545	34.154167	-118.390933	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	101	S	12.6	12.6	34.154443	-118.391891	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	101	S	12.727	12.727	34.154084	-118.394103	0.78	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	170	N	19.88	19.88	34.223683	-118.410695	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	170	N	19.92	19.92	34.224251	-118.410845	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	170	N	19.92	19.92	34.224397	-118.41056	1.71	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	210	E	1.858	1.858	34.323599	-118.461744	2.42	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	210	E	3.536	3.536	34.313767	-118.436865	0.86	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	210	E	6.618	6.618	34.280843	-118.400437	0.94	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	25.402	25.402	34.170801	-118.606691	1	0.6	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	25.402	25.402	34.170801	-118.606691	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	25.402	25.402	34.170801	-118.606691	1	0.6	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	25.899	25.899	34.167754	-118.614369	0.6	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	25.95	25.95	34.167325	-118.615062	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.002	26.002	34.167207	-118.615968	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.036	26.036	34.167027	-118.616502	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.4	26.4	34.164844	-118.622337	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.479	26.479	34.164715	-118.623705	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.801	26.801	34.162627	-118.628755	4.9	2.3	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.901	26.901	34.16204	-118.630353	0.9	0.4	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	27.198	27.198	34.160279	-118.635148	1.3	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	27.398	27.398	34.15911	-118.638329	0.8	0.2	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	27.398	27.398	34.15911	-118.638329	1.1	0.3	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	27.398	27.398	34.15911	-118.638329	1.1	0.3	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	28.001	28.001	34.155292	-118.647665	1	0.2	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	28.299	28.299	34.15328	-118.652297	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	28.601	28.601	34.151703	-118.657221	0.5	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	28.8	28.8	34.150758	-118.660536	2.7	0.5	unknown	unknown
Infiltration Basin	7	LA	4	2	710	N	17.191	17.191	33.933708	-118.177574	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	710	N	22.07	22.07	33.999475	-118.175649	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	710	N	22.073	22.073	33.999273	-118.175223	3.81	unknown	unknown	unknown
Infiltration Basin	7	LA	4	4	5	N	23.813	23.813	34.113581	-118.267351	2.5	unknown	unknown	unknown
Infiltration Basin	7	LA	4	4	101	S	10.5	10.5	34.139067	-118.365454	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	7	5	N	9.14	9.14	33.966988	-118.121088	1.4	unknown	unknown	unknown
Infiltration Basin	7	LA	4	7	5	S	9.18	9.18	33.967163	-118.12192	0.7	unknown	unknown	unknown
Infiltration Basin	7	LA	4	7	10	E	28	28	34.072081	-118.053387	5.01	1.7	unknown	unknown
Infiltration Basin	7	LA	4	7	60	E	4.3	4.3	34.03581	-118.152376	4.06	2.3	unknown	unknown
Infiltration Basin	7	LA	4	7	210	E	32.847	32.847	34.140714	-118.017764	4.59	unknown	unknown	unknown
Infiltration Basin	7	LA	4	9	210	E	15.9	15.9	34.22982	-118.263907	1.44	unknown	unknown	unknown
Infiltration Basin	7	LA	4	11	5	N	37.99	37.99	34.250909	-118.42895	2.1	unknown	unknown	unknown
Infiltration Basin	7	LA	4	11	5	S	38.54	38.54	34.256832	-118.435219	2.8	unknown	unknown	unknown
Infiltration Trench	7	LA	4	7	210	W	35.05	35.05	34.13584	-117.978886	0.93	unknown	unknown	unknown
Infiltration Trench	7	LA	4	8	210		23.147	23.147	34.181155	-118.167768	1.7	unknown	unknown	unknown
Multi-Chambered Treatment Train	7	LA	4	4	5		22.545	22.545	34.102485	-118.249914	unknown	unknown	unknown	unknown
Other	7	LA	4	1	405		8.1	8.1	33.825348	-118.216057	unknown	unknown	unknown	unknown
Other	7	LA	4	3	10		17	17	34.02396	-118.241132	unknown	unknown	unknown	unknown
Other	7	LA	4	3	10	E	17.024	17.024	34.023469	-118.241514	0.8	unknown	unknown	unknown
Other	7	LA	4	3	101	S	0.2	0.2	34.0372	-118.222041	0.66	unknown	unknown	unknown
Other	7	LA	4	4	5	S	22.429	22.429	34.101348	-118.24997	4.6	unknown	unknown	unknown
Other	7	LA	4	4	101		11.2	11.2	34.147585	-118.371265	unknown	unknown	unknown	unknown
Other	7	LA	4	4	134		0.346	0.346	34.15295	-118.370549	unknown	unknown	unknown	unknown
Other	7	LA	4	5	27	N	9.614	9.614	34.140939	-118.605781	0.11	0.03	unknown	unknown
Other	7	LA	4	5	405	S	42.59	42.59	34.204233	-118.47336	unknown	unknown	unknown	unknown
Other	7	LA	4	10	210	W	8.53	8.53	34.27377	-118.368926	unknown	unknown	unknown	unknown
Other	7	LA	4	11	210	W	6.3	6.3	34.284561	-118.403818	unknown	unknown	unknown	unknown

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Treatment BMP List - Los Angeles River and Tributaries Metals TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	405	S	7.54	7.54	33.825962	-118.206592	1.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	710	N	7.01	7.01	33.792141	-118.207052	7.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	710	S	11.93	11.93	33.861923	-118.200211	6	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	710	N	17.04	17.04	33.931474	-118.177981	3.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	5	S	15.72	15.72	34.024700	-118.204512	1.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	5	S	18.32	18.32	34.053370	-118.214404	1.49	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	10	S	17.26	17.26	34.053859	-118.232872	1.57	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	10	W	21.07	21.07	34.061911	-118.170412	6.77	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		0.50	0.50	34.053770	-118.234398	2.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		0.60	0.60	34.053787	-118.235752	3.64	0.34	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		2.60	2.60	34.070251	-118.262764	4.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	710	N	22.53	22.53	34.005715	-118.172269	1.35	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	N	20.84	20.84	34.084413	-118.230051	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	N	20.87	20.87	34.084697	-118.230448	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	S	22.33	22.33	34.099851	-118.248231	3.64	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	N	25.89	25.89	34.141745	-118.277393	1.91	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	N	27.40	28.10	34.165591	-118.296711	4.61	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	N	27.86	27.86	34.165550	-118.296696	4.61	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	S	36.16	36.16	34.231996	-118.406609	1.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	101		10.90	10.90	34.144356	-118.367890	8.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	101		10.90	10.90	34.144356	-118.367890	4.7	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	101	S	12.01	12.01	34.154172	-118.381547	1.88	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	170	S	15.70	15.70	34.169466	-118.385258	1.73	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	170	N	16.31	16.31	34.175035	-118.392232	2.79	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	5	N	42.04	42.04	34.296781	-118.472643	5.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		14.00	14.00	34.156740	-118.415758	5.4	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	N	17.50	17.50	34.164088	-118.473080	1.6	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	S	17.56	17.56	34.164406	-118.474115	1.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		17.70	17.70	34.165348	-118.476447	2.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	S	17.81	17.81	34.165157	-118.478424	4.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		18.10	18.10	34.165281	-118.483392	3.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		21.90	21.90	34.173454	-118.547113	1.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	118		1.82	1.82	34.277662	-118.604444	4.37	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	118		8.45	8.45	34.274024	-118.492426	3.67	0.14	unknown	unknown
Austin Sand Filter	7	LA	4	5	210	W	0.41	0.41	34.319112	-118.485400	1.21	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	405	S	39.60	39.60	34.163448	-118.469922	5.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	91	W	9.91	9.91	33.873975	-118.223070	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	91	W	10.07	10.07	33.874070	-118.219656	1.34	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	91	E	10.18	10.18	33.873196	-118.218100	2.09	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	91	W	10.43	10.43	33.873489	-118.214032	6.91	1.07	0.63	unknown
Austin Sand Filter	7	LA	4	6	105	W	10.10	10.10	33.928342	-118.233802	4.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	105	E	11.49	11.49	33.925005	-118.211109	1.63	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	N	15.38	15.38	33.951260	-118.280103	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	N	15.78	15.78	33.958728	-118.280114	1.99	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	S	15.81	15.81	33.959178	-118.281427	1.6	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	S	15.97	15.97	33.961460	-118.281556	1.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	S	17.81	17.81	33.988043	-118.281168	1.18	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	N	19.31	19.31	34.009828	-118.280503	1.36	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	N	19.83	19.83	34.016665	-118.279933	5.06	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	5	N	9.60	9.60	33.973120	-118.123480	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	5	N	9.89	9.89	33.976887	-118.125789	2.37	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	60	E	4.39	4.39	34.034785	-118.151140	1.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	27.00	27.00	34.152712	-118.120703	3.32	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	27.49	27.49	34.152819	-118.112412	3.62	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	27.73	27.73	34.152931	-118.107173	3.49	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	27.94	27.94	34.152994	-118.103312	5.37	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	E	28.53	28.53	34.151928	-118.093424	2.34	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	E	28.79	28.79	34.150501	-118.089941	2.57	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	E	29.69	29.69	34.148026	-118.069929	4.04	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	E	31.94	31.94	34.147334	-118.030944	1.84	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	E	33.73	33.73	34.135116	-118.003933	1.62	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	34.66	34.66	34.135739	-117.987776	0.83	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210		34.67	34.67	34.137857	-117.988057	1.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210		34.90	34.90	34.135455	-117.983750	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	35.29	35.29	34.135829	-117.974872	3.36	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	35.71	35.71	34.135680	-117.969595	3.57	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	8	5	N	20.30	20.30	34.081718	-118.222817	3.91	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	8	5	N	20.84	20.84	34.081702	-118.222765	16.88	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	9	134	W	8.90	8.90	34.147150	-118.225171	3.6	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	9	134	E	11.60	11.60	34.141938	-118.184489	8.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	9	210		10.54	10.54	34.266309	-118.336147	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	10	5	N	28.45	28.45	34.170981	-118.304235	6.49	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	10	5	S	28.98	28.98	34.176585	-118.308361	4.24	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	10	5	N	31.35	31.35	34.200449	-118.338188	5.12	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	10	5	N	31.58	31.58	34.203158	-118.340409	3.13	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	10	210		14.11	14.11	34.234989	-118.292357	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	36.36	36.36	34.233141	-118.409758	2.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	37.50	37.50	34.245628	-118.423364	3.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	N	38.54	38.54	34.256832	-118.435219	2.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	39.21	39.21	34.264712	-118.442074	5.4	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	40.30	40.30	34.277002	-118.453926	3.41	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	40.53	40.53	34.280462	-118.456505	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	40.60	40.60	34.280868	-118.456739	15.23	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	101	N	13.10	13.10	34.155565	-118.400490	1.73	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	118		10.11	10.11	34.265945	-118.466844	2.05	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	170	N	19.77	19.77	34.222296	-118.409679	2.15	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	170	N	19.89	19.89	34.223859	-118.410387	2.18	unknown	unknown	unknown

Austin Sand Filter	7	LA	4	11	210	W	3.07	3.07	34.318800	-118.442346	1.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	210	W	3.54	3.54	34.314169	-118.436336	1.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	210	E	5.18	5.18	34.296599	-118.417012	3.32	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	210	W	5.26	5.26	34.296114	-118.415564	2.11	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	210		6.05	6.05	34.286832	-118.407706	1.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	405	N	46.80	46.80	34.265269	-118.472164	3.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	405	N	47.60	47.60	34.276707	-118.470538	2.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	14	101		26.10	26.10	34.166385	-118.617447	1.1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	710	S	8.13	8.13	33.807704	-118.207258	4.99	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	5	S	18.40	18.40	34.054468	-118.214368	1.95	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	18.96	18.96	34.054135	-118.204585	1.75	0.65	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	M	19.01	19.01	34.054127	-118.203781	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	E	21.27	21.27	34.061308	-118.166890	0.83	0.94	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	21.32	21.32	34.061518	-118.166106	1.49	1.22	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	21.35	21.35	34.061191	-118.165640	0.41	0.86	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	E	21.42	21.42	34.061087	-118.164507	1.2	0.97	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	E	23.31	23.31	34.071233	-118.134852	0.83	0.64	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	23.31	23.31	34.071901	-118.134830	0.5	0.41	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	23.36	23.36	34.071947	-118.133994	0.76	0.55	unknown	unknown
Biofiltration Strip	7	LA	4	3	60	W	2.56	2.56	34.033012	-118.181989	0.15	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	N	17.24	17.24	34.053975	-118.233198	1.9	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	110	S	23.14	23.14	34.056755	-118.256198	1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	710	S	22.54	22.54	34.005724	-118.172678	0.45	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	710	N	25.58	25.58	34.049061	-118.166662	0.77	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	5		43.00	43.00	34.307164	-118.483321	0.96	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	5		43.30	43.30	34.307164	-118.483321	2.41	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	5	S	44.02	44.02	34.315982	-118.491447	0.71	0.27	unknown	unknown
Biofiltration Strip	7	LA	4	5	5	S	44.40	44.40	34.320712	-118.495791	0.96	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	5	S	45.20	45.20	34.328414	-118.505263	0.25	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	5	N	45.72	45.72	34.334963	-118.509746	1.12	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	14	N	25.22	25.22	34.339462	-118.506409	0.34	0.48	unknown	unknown
Biofiltration Strip	7	LA	4	5	101	S	12.39	12.39	34.170165	-118.606393	0.7	0.4	unknown	unknown
Biofiltration Strip	7	LA	4	5	101	N	12.50	12.50	34.171705	-118.606480	0.4	0.6	unknown	unknown
Biofiltration Strip	7	LA	4	5	101	N	17.53	17.53	34.165435	-118.473631	0.3	0.9	unknown	unknown
Biofiltration Strip	7	LA	4	5	101	N	19.93	19.93	34.171385	-118.513292	0.3	0.4	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		20.00	20.00	34.171182	-118.514437	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	6	91	W	8.79	8.79	33.873529	-118.242515	4.37	0.78	unknown	unknown
Biofiltration Strip	7	LA	4	6	91	W	9.49	9.49	33.873870	-118.230353	4.97	0.5	0.01	unknown
Biofiltration Strip	7	LA	4	7	0	W	26.88	26.88	34.072537	-118.072626	1.12	0.71	unknown	unknown
Biofiltration Strip	7	LA	4	7	0	E	26.89	26.89	34.071947	-118.072434	1.79	1.33	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	23.98	23.98	34.071248	-118.123156	0.64	0.48	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	W	23.98	23.98	34.072019	-118.123174	1.34	1.07	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	24.01	24.01	34.071912	-118.122673	0.71	0.56	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	W	24.82	24.82	34.072146	-118.108544	0.8	0.6	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	24.86	24.86	34.072223	-118.107863	0.62	0.48	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	24.86	24.86	34.071622	-118.107823	1.03	0.91	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	25.32	25.32	34.071465	-118.099807	1.38	1.16	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	W	25.36	25.36	34.072237	-118.099120	1.16	0.99	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	25.55	25.55	34.071675	-118.095792	2.05	0.8	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	25.83	25.83	34.071762	-118.090919	1.07	0.74	unknown	unknown
Biofiltration Strip	7	LA	4	7	10		25.83	25.83	34.072287	-118.090920	1.25	0.89	unknown	unknown
Biofiltration Strip	7	LA	4	7	10		25.87	25.87	34.071770	-118.090214	0.86	0.64	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	W	25.87	25.87	34.072294	-118.090223	0.99	0.69	unknown	unknown
Biofiltration Strip	7	LA	4	7	10		26.33	26.33	34.072507	-118.082225	0.83	0.64	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	26.33	26.33	34.071837	-118.082200	1.11	0.89	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	26.83	26.83	34.071951	-118.073486	0.91	0.62	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	W	29.38	29.38	34.068249	-118.030156	0.46	0.08	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	E	4.56	4.56	34.034114	-118.148636	0.49	0.16	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	E	7.79	7.79	34.035864	-118.092489	0.3	0.21	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	E	8.10	8.10	34.037074	-118.087312	2.76	0.61	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	9.29	9.29	34.041576	-118.068104	3.14	0.76	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	9.48	9.48	34.041588	-118.064803	0.44	0.14	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	9.54	9.54	34.041568	-118.063730	0.32	0.33	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	9.61	9.61	34.041507	-118.062463	0.37	0.25	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	E	9.66	9.66	34.040975	-118.061684	1.85	0.39	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	9.94	9.94	34.040893	-118.056792	0.79	0.26	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	E	10.09	10.09	34.039943	-118.054401	0.86	0.22	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	10.22	10.22	34.040055	-118.052002	0.43	0.18	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	10.32	10.32	34.039798	-118.050333	1.24	0.37	unknown	unknown
Biofiltration Strip	7	LA	4	7	210	W	29.83	29.83	34.149121	-118.067204	0.32	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	7	210	W	30.94	30.94	34.149229	-118.048709	0.36	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	7	210	W	31.94	31.94	34.148199	-118.030068	0.37	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	8	210	N	20.34	20.34	34.203650	-118.193013	0.45	0.93	unknown	unknown
Biofiltration Strip	7	LA	4	8	210	S	22.55	22.55	34.181251	-118.167885	1.7	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	9	210	E	18.70	18.70	34.208659	-118.220277	1.15	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	10	210		11.03	11.03	34.260528	-118.330598	2.9	2.58	unknown	unknown
Biofiltration Strip	7	LA	4	10	210		12.28	12.28	34.244718	-118.319565	1.68	0.53	unknown	unknown
Biofiltration Strip	7	LA	4	10	210		14.31	14.31	34.234691	-118.288973	0.87	0.34	unknown	unknown
Biofiltration Strip	7	LA	4	10	210		14.31	14.31	34.234691	-118.288973	1.44	0.07	unknown	unknown
Biofiltration Strip	7	LA	4	11	5	N	38.54	38.54	34.256832	-118.435219	2.8	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	12	118		3.35	3.35	34.273460	-118.578683	0.4	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	14	101		26.80	26.80	34.162627	-118.628755	1.1	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	27.31	27.31	34.159805	-118.636974	0.8	0.2	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	28.05	28.05	34.155175	-118.648548	1.3	0.4	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	28.13	28.13	34.154744	-118.649707	1.2	0.2	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	28.19	28.19	34.154383	-118.650701	0.8	0.2	unknown	unknown
Biofiltration Strip	7	LA	4	14	101		28.20	28.20	34.153945	-118.650747	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	14	101		28.30	28.30	34.153280	-118.652297	0.4	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	14	101		28.60	28.60	34.151703	-118.657221	0.5	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	28.80	28.80	34.151038	-118.660514	2.2	0.5	unknown	unknown
Biofiltration Strip	7	LA	4	14	101		28.80	28.80	34.150758	-118.660536	0.5	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	29.11	29.11	34.149898	-118.665811	0.6	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	6.09	6.09	33.815069	-118.185271	12.18	0.28	unknown	unknown

Biofiltration Swale	7	LA	4	1	405	S	6.64	6.64	33.820001	-118.193041	3.6	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	6.81	6.81	33.821290	-118.195562	5.8	1.1	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	N	7.16	7.16	33.824854	-118.200483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	7.37	7.37	33.825474	-118.203899	11.4	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	N	7.68	7.68	33.826900	-118.208913	3.6	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	7.91	7.91	33.825773	-118.212793	5.2	2	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	N	7.93	7.93	33.826076	-118.213270	6.9	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	8.20	8.20	33.824968	-118.217848	3.2	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	S	7.24	7.24	33.795030	-118.206981	3.57	2.62	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	S	8.13	8.13	33.807878	-118.207008	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.14	9.14	33.822634	-118.206412	1.26	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.44	9.44	33.826978	-118.207166	0.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.57	9.57	33.829165	-118.207862	0.62	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.69	9.69	33.830957	-118.208414	2.01	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.82	9.82	33.832296	-118.208384	1.41	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	S	9.83	9.83	33.832076	-118.209219	1.99	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.95	9.95	33.834230	-118.208411	2.21	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	10.41	10.41	33.840536	-118.206719	1.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	E	11.00	11.00	33.871995	-118.203445	0.43	0.9	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	E	11.03	11.03	33.872750	-118.203699	0.6	1.66	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	11.16	11.16	33.872671	-118.201482	0.67	0.53	0.25	0.3
Biofiltration Swale	7	LA	4	2	91	W	11.64	11.64	33.875116	-118.193933	0.78	0.48	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	13.62	13.62	33.875783	-118.159795	0.52	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	13.63	13.63	33.876646	-118.159824	0.66	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	13.66	13.66	33.876246	-118.159179	0.39	0.23	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	13.66	13.66	33.876247	-118.159167	0.56	0.45	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	12.42	12.42	33.919413	-118.196517	1.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	E	12.46	12.46	33.918510	-118.196307	0.77	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	12.53	12.53	33.918623	-118.194531	9.34	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	E	12.54	12.54	33.917782	-118.194928	7.26	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	12.62	12.62	33.917998	-118.193377	2.13	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	12.75	12.75	33.917170	-118.191393	1.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	13.16	13.16	33.914881	-118.184843	1.03	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	710	N	13.05	13.05	33.876466	-118.192480	1.24	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	710	N	13.23	13.23	33.879108	-118.191645	2.08	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	710	N	15.76	15.76	33.913640	-118.179572	1.07	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	710	S	17.01	17.01	33.931270	-118.179171	0.84	0.35	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	15.78	15.78	34.025214	-118.205152	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	15.88	15.88	34.026263	-118.208680	0.87	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	15.95	15.95	34.026766	-118.208373	1.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	16.02	16.02	34.026689	-118.209030	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	16.08	16.08	34.026770	-118.210032	0.44	0.75	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	17.35	17.35	34.040274	-118.218968	5.82	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	18.42	18.42	34.054461	-118.214431	2.13	0.37	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	18.52	18.52	34.056221	-118.214521	1.18	0.26	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	19.37	19.37	34.068646	-118.215707	0.43	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	17.65	17.65	34.027679	-118.230735	0.89	0.57	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	19.33	19.33	34.055102	-118.198371	5.62	1.64	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	20.80	20.80	34.059704	-118.174258	0.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	21.23	21.23	34.061177	-118.167476	1.77	0.94	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	21.27	21.27	34.060732	-118.167024	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	21.27	21.27	34.061308	-118.166890	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	21.28	21.28	34.060838	-118.166749	1.57	1.05	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	21.38	21.38	34.061047	-118.165214	0.63	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	23.28	23.28	34.071779	-118.135376	0.87	0.31	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	23.36	23.36	34.071242	-118.133979	0.96	0.64	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	23.37	23.37	34.071756	-118.133833	0.69	0.55	unknown	unknown
Biofiltration Swale	7	LA	4	3	60	E	2.62	2.62	34.032914	-118.180850	0.1	0.05	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		0.20	0.20	34.053316	-118.230339	6.25	2.65	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	0.46	0.46	34.053372	-118.233550	0.34	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		1.00	1.00	34.056238	-118.241238	7.67	3.21	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	2.36	2.36	34.068591	-118.258929	1.03	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		2.40	2.40	34.069219	-118.259843	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	110	S	23.10	23.10	34.056047	-118.256175	0.63	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	18.35	18.35	33.948437	-118.170853	1.4	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	18.49	18.49	33.950471	-118.170435	0.69	0.36	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	18.49	18.49	33.950471	-118.170435	0.16	0.92	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	18.51	18.51	33.950763	-118.170456	1.31	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	18.74	18.74	33.954125	-118.170609	1.03	0.45	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.63	19.63	33.966710	-118.168109	0.19	0.34	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.63	19.63	33.966710	-118.168109	0.2	0.51	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.66	19.66	33.967128	-118.167979	0.29	0.34	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	19.68	19.68	33.967406	-118.167899	0.47	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.69	19.69	33.967547	-118.167859	0.35	1.53	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	19.71	19.71	33.967833	-118.167795	1.2	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	19.78	19.78	33.968842	-118.167664	0.34	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.80	19.80	33.969134	-118.167652	0.17	0.27	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.83	19.83	33.969570	-118.167646	0.3	1.03	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	21.92	21.92	33.997550	-118.176735	0.23	0.07	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	21.92	21.92	33.997550	-118.176735	0.25	0.72	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	21.93	21.93	33.997692	-118.176680	0.25	0.16	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	21.97	21.97	33.998253	-118.176428	0.12	0.32	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	21.97	21.97	33.998253	-118.176428	0.18	0.16	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	22.52	22.52	34.005436	-118.172744	1.25	0.21	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	23.46	23.46	34.019092	-118.173386	0.32	0.09	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	26.09	26.09	34.055367	-118.164367	1.22	0.52	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	26.54	26.54	34.061799	-118.165357	1.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	26.65	26.65	34.063373	-118.164448	0.91	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	27.42	27.42	34.073980	-118.161581	8.75	4.01	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	21.75	21.75	34.093537	-118.241193	0.37	0.37	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	22.28	22.28	34.099166	-118.247755	0.25	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	22.58	22.58	34.102735	-118.250866	0.57	0.42	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	22.66	22.66	34.103615	-118.251415	unknown	unknown	unknown	unknown

Biofiltration Swale	7	LA	4	4	5	S	22.66	22.66	34.103886	-118.252609	3.47	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	23.01	23.01	34.107357	-118.255797	0.37	0.09	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	23.73	23.73	34.112748	-118.266439	0.26	0.14	0.38	unknown
Biofiltration Swale	7	LA	4	4	5	N	26.51	26.51	34.151518	-118.280213	0.62	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	27.82	27.82	34.164656	-118.297623	0.39	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	35.05	35.05	34.226554	-118.388909	0.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	35.83	35.83	34.231724	-118.401270	0.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	9.30	9.30	34.129547	-118.348038	0.18	0.26	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	9.80	9.80	34.133603	-118.354804	0.34	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	10.30	10.30	34.137122	-118.362283	0.46	0.17	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	11.17	11.17	34.146757	-118.371161	0.19	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	N	12.12	12.12	34.154781	-118.383564	2.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	12.41	12.41	34.154213	-118.388605	1.74	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	W	0.30	0.30	34.152640	-118.370726	3.2	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	E	0.30	0.30	34.153307	-118.370758	2.4	0.8	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	W	2.70	2.72	34.152999	-118.330215	1.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	W	2.70	2.70	34.153119	-118.330688	1.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	E	2.77	2.77	34.153124	-118.328801	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	E	2.90	2.92	34.153433	-118.326673	3.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	134		3.80	3.80	34.154902	-118.311090	3	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	14.80	14.85	34.156963	-118.379198	2.81	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	14.89	14.91	34.158359	-118.379822	0.62	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	14.97	15.00	34.159757	-118.380437	4.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	15.80	15.80	34.170194	-118.386074	3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	S	16.00	16.01	34.172262	-118.389097	1.03	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	16.03	16.16	34.173116	-118.390384	4.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	16.25	16.35	34.176353	-118.393647	2.33	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	S	17.21	17.21	34.186135	-118.402179	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	S	17.23	17.26	34.187408	-118.401562	3.44	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	17.36	17.49	34.188825	-118.401772	2.88	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	S	17.55	17.59	34.191665	-118.402147	1.45	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	17.81	17.90	34.195931	-118.402710	2.08	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5		9.13	9.13	34.267195	-118.483692	0.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	42.13	42.13	34.295397	-118.472561	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	42.13	42.13	34.296755	-118.473746	1.55	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5		42.89	42.89	34.305919	-118.482143	0.96	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5		43.76	43.76	34.313780	-118.488671	1.45	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5		44.30	44.30	34.319875	-118.494341	0.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	44.92	44.92	34.324907	-118.501840	1.47	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	N	45.89	45.89	34.336999	-118.511999	0.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	46.00	46.00	34.321364	-118.498506	0.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	46.08	46.08	34.337925	-118.515303	0.66	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	46.08	46.08	34.338284	-118.515982	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	46.12	46.12	34.338249	-118.515919	0.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	46.12	46.12	34.338771	-118.516923	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	17.51	17.51	34.164123	-118.473124	3.9	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	17.51	17.51	34.163717	-118.473527	8.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	19.20	19.20	34.170023	-118.500786	0.6	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	19.28	19.28	34.170274	-118.501952	0.6	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	19.52	19.52	34.171024	-118.506056	1	0.05	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		19.60	19.60	34.171180	-118.507449	0.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	20.85	20.85	34.171442	-118.529278	0.9	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		21.20	21.20	34.173074	-118.534964	3.7	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		21.30	21.30	34.173283	-118.536669	1.3	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	23.04	23.04	34.172830	-118.566972	0.8	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	23.16	23.16	34.172423	-118.568857	1.9	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	23.17	23.17	34.172376	-118.569094	0.9	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		23.50	23.50	34.170862	-118.574555	2.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		23.60	23.60	34.170256	-118.576156	3.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		23.80	23.80	34.169047	-118.579360	2.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	24.07	24.07	34.168307	-118.583959	2	0.8	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	24.34	24.34	34.168566	-118.588410	0.2	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		24.50	24.50	34.168501	-118.591265	1.6	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		24.70	24.70	34.169028	-118.594699	1.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		25.10	25.10	34.170083	-118.601551	3.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	25.14	25.14	34.169985	-118.602186	3.4	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	25.16	25.16	34.170454	-118.602505	2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	118		1.58	1.58	34.277683	-118.608589	3.06	0.81	unknown	unknown
Biofiltration Swale	7	LA	4	5	118		2.70	2.70	34.273487	-118.590202	2.49	1.56	unknown	unknown
Biofiltration Swale	7	LA	4	5	118		9.13	9.13	34.267195	-118.483692	3.36	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	210	W	0.16	0.16	34.317870	-118.488112	0.57	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	210	E	0.34	0.34	34.318005	-118.485424	0.69	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	405	S	37.80	37.80	34.136903	-118.471532	21.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	405	S	38.30	38.30	34.144179	-118.471250	10.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	405		42.10	42.10	34.197161	-118.474256	5.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	405		43.40	43.40	34.215959	-118.473245	9.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	405		44.80	44.80	34.236283	-118.473044	4.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	91	E	9.49	9.49	33.873870	-118.230353	2.19	0.32	unknown	unknown
Biofiltration Swale	7	LA	4	6	91	E	10.25	10.25	33.872573	-118.217283	3.68	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	91	W	10.33	10.33	33.873466	-118.215800	0.73	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	6	104	E	9.74	9.74	33.928045	-118.240054	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	8.31	8.31	33.926969	-118.264526	8.04	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	8.46	8.46	33.926999	-118.261894	12.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	9.21	9.21	33.929000	-118.249175	1.78	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	9.64	9.64	33.928820	-118.241801	1.01	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	9.70	9.70	33.928079	-118.240767	2.29	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	9.74	9.74	33.927363	-118.240039	1	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	10.07	10.07	33.928362	-118.234325	0.74	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	10.07	10.07	33.928836	-118.234001	0.74	0.07	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	10.12	10.12	33.928337	-118.233476	0.53	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	10.12	10.12	33.928736	-118.233282	0.53	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	10.97	10.97	33.928604	-118.219265	1.01	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.02	11.02	33.928867	-118.218216	1.48	unknown	unknown	unknown

Biofiltration Swale	7	LA	4	6	105	E	11.07	11.07	33.927970	-118.217699	0.65	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.20	11.20	33.927320	-118.214576	1.46	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.25	11.25	33.927246	-118.214411	1.45	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.26	11.26	33.927189	-118.214253	0.51	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.30	11.30	33.926880	-118.213485	0.53	0.36	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.42	11.42	33.926105	-118.211758	2.51	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.56	11.56	33.925156	-118.209740	0.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	11.64	11.64	33.923898	-118.208881	0.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	11.64	11.64	33.923917	-118.208914	1.01	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	11.65	11.65	33.923876	-118.208781	2.16	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.77	11.77	33.923829	-118.206434	1.13	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.83	11.83	33.923342	-118.205611	0.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.90	11.90	33.922843	-118.204549	0.56	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.94	11.94	33.922590	-118.203965	1.77	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	12.07	12.07	33.921262	-118.202481	0.77	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	12.08	12.08	33.920910	-118.202061	7.14	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	12.28	12.28	33.919491	-118.198803	7.78	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	12.29	12.29	33.920234	-118.198607	0.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	12.30	12.30	33.919644	-118.198723	0.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	12.35	12.35	33.919257	-118.197960	0.72	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	110		13.81	13.81	33.928681	-118.280547	3.19	2.14	unknown	unknown
Biofiltration Swale	7	LA	4	7	5	S	8.42	8.42	33.958531	-118.113102	1.44	0.12	unknown	unknown
Biofiltration Swale	7	LA	4	7	5	N	8.53	8.53	33.960012	-118.114333	1.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	5	N	8.89	8.89	33.963752	-118.119215	0.62	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	7	5	N	8.93	8.93	33.964223	-118.119126	1.39	0.54	unknown	unknown
Biofiltration Swale	7	LA	4	7	5	S	8.96	8.96	33.963716	-118.120363	0.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	E	24.01	24.01	34.071385	-118.122651	1.13	0.79	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	W	24.87	24.87	34.072259	-118.107709	0.68	0.48	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	W	25.30	25.30	34.072294	-118.100165	1.62	1.36	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	E	25.36	25.36	34.071664	-118.099111	0.9	0.48	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	E	25.42	25.42	34.071594	-118.098077	1.67	0.69	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	W	25.43	25.43	34.072274	-118.097944	2	0.83	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	E	26.83	26.83	34.071941	-118.073477	1.18	0.37	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	E	26.84	26.84	34.071893	-118.073375	0.07	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	W	27.48	27.48	34.072698	-118.062270	2.05	0.25	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	3.42	3.42	34.042527	-118.063834	0.65	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	4.36	4.36	34.035460	-118.151443	0.33	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	4.51	4.51	34.035003	-118.148832	0.4	1.57	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	7.02	7.02	34.034931	-118.105958	1.95	2.5	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	7.61	7.61	34.035318	-118.095719	2.67	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	7.61	7.61	34.035321	-118.095729	2.67	0.54	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	7.61	7.61	34.035699	-118.095716	2.67	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	7.88	7.88	34.036741	-118.091282	0.69	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	7.88	7.88	34.036466	-118.091141	0.69	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	7.88	7.88	34.036733	-118.091251	0.69	0.47	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	8.49	8.49	34.038765	-118.081438	0.65	1.02	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.17	9.17	34.041049	-118.070153	5.62	4.93	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.53	9.53	34.041021	-118.063904	0.56	0.19	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.53	9.53	34.041128	-118.063907	0.75	0.19	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.54	9.54	34.041444	-118.063759	1.51	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.54	9.54	34.041588	-118.063776	1.18	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.59	9.59	34.041556	-118.062851	1.93	1.08	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.60	9.60	34.041628	-118.062721	3.01	1.08	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.61	9.61	34.041501	-118.062522	0.62	0.25	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.66	9.66	34.041127	-118.061670	2.44	0.59	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.87	9.87	34.040838	-118.058067	0.88	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.87	9.87	34.040679	-118.058166	1.31	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.87	9.87	34.040606	-118.058215	0.55	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.87	9.87	34.040621	-118.058152	1.18	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.87	9.87	34.040626	-118.058173	0.66	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.87	9.87	34.040691	-118.058115	0.79	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.95	9.95	34.040631	-118.056868	1.05	0.26	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.08	10.08	34.040192	-118.054309	1.08	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.13	10.13	34.039729	-118.053776	0.93	1.17	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	10.21	10.21	34.039967	-118.052033	0.61	0.18	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.30	10.30	34.039422	-118.050778	2.1	1.17	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	10.32	10.32	34.039738	-118.050269	1.61	0.37	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	10.39	10.39	34.039469	-118.049126	0.99	0.32	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	10.39	10.39	34.039552	-118.049176	0.67	0.32	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.60	10.60	34.038445	-118.045720	0.87	0.27	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.60	10.60	34.038438	-118.045704	0.88	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.60	10.60	34.038526	-118.045656	1.12	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.60	10.60	34.038535	-118.045654	2.87	0.49	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.60	10.60	34.038539	-118.045654	1.14	0.27	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.60	10.60	34.038434	-118.045674	2.44	0.65	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.60	10.60	34.038536	-118.045644	3.09	0.65	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.60	10.60	34.038435	-118.045696	2.38	0.49	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.97	10.97	34.037303	-118.039397	0.37	0.39	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	S	2.90	2.90	34.034866	-118.064716	1.37	0.41	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	S	3.00	3.00	34.036293	-118.064422	0.4	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	N	3.00	3.00	34.036284	-118.064207	0.88	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	N	3.10	3.10	34.037768	-118.064156	0.46	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	S	3.20	3.20	34.039237	-118.064396	1.86	0.49	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	N	3.20	3.20	34.039229	-118.064089	0.64	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	25.31	25.31	34.151433	-118.149928	1.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	29.84	29.84	34.148718	-118.067258	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	30.64	30.64	34.149268	-118.053373	1.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	30.77	30.77	34.149305	-118.051121	1.18	0.57	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	30.94	30.94	34.149230	-118.047477	1.14	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	31.60	31.60	34.148159	-118.037024	1.13	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	31.80	31.80	34.148104	-118.033236	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	32.01	32.01	34.139628	-118.015446	2.07	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	32.83	32.83	34.140843	-118.016205	0.4	unknown	unknown	unknown

Biofiltration Swale	7	LA	4	7	210	W	32.91	32.91	34.140316	-118.016672	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	33.27	33.27	34.137172	-118.011731	2.36	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	35.71	35.71	34.135379	-117.969605	0.86	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	35.71	35.71	34.135403	-117.969604	0.81	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	35.71	35.71	34.135410	-117.969590	1.54	0.19	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	35.71	35.71	34.135825	-117.969671	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	605	S	24.62	24.62	34.117126	-117.975119	6.4	6.99	unknown	unknown
Biofiltration Swale	7	LA	4	7	605	S	24.79	24.79	34.117391	-117.974684	4.85	6.53	unknown	unknown
Biofiltration Swale	7	LA	4	7	710	S	31.68	31.68	34.134519	-118.155478	0.99	0.09	unknown	unknown
Biofiltration Swale	7	LA	4	7	710	N	31.91	31.91	34.137876	-118.154253	208.67	116.08	unknown	unknown
Biofiltration Swale	7	LA	4	8	2	S	44.50	44.50	34.274157	-118.014682	0.27	0.11	unknown	unknown
Biofiltration Swale	7	LA	4	8	2	S	45.82	45.82	34.284966	-117.997289	0.39	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	19.70	19.70	34.206560	-118.203323	0.61	0.87	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	19.75	19.75	34.206143	-118.201361	0.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	19.75	19.75	34.206607	-118.201422	0.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	W	19.75	19.75	34.206931	-118.198446	0.21	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	19.80	19.80	34.206855	-118.201559	0.63	0.46	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	W	20.00	20.00	34.206008	-118.198245	0.23	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	21.27	21.27	34.193811	-118.182567	0.91	0.54	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	21.31	21.31	34.193406	-118.181933	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	2	N	18.76	18.76	34.146396	-118.226359	0.26	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	9	134	W	8.50	8.50	34.151070	-118.234047	2.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	134	E	8.60	8.60	34.149483	-118.233463	0.93	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	210		10.87	10.87	34.262466	-118.332447	1.69	0.04	unknown	unknown
Biofiltration Swale	7	LA	4	9	210		15.65	15.65	34.231140	-118.265920	1.11	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	9	210	E	16.90	16.90	34.222043	-118.247326	0.21	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	S	28.41	28.41	34.169409	-118.304146	0.23	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	N	28.41	28.41	34.170281	-118.303225	0.22	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	N	28.45	28.45	34.169449	-118.304214	0.18	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	S	28.45	28.45	34.170310	-118.305305	0.39	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	N	32.12	32.12	34.209978	-118.345431	2.17	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	S	34.25	34.25	34.225377	-118.375477	1.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	6.62	6.62	34.281305	-118.399885	0.94	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	7.52	7.52	34.276650	-118.386160	1.76	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	7.76	7.76	34.275652	-118.382019	0.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	8.38	8.38	34.274190	-118.371402	3.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	E	8.59	8.59	34.273408	-118.367776	1.05	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	E	9.37	9.37	34.272091	-118.354356	0.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	9.37	9.37	34.272601	-118.354203	0.33	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	E	9.48	9.48	34.271845	-118.352449	0.53	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	9.48	9.48	34.272372	-118.352324	0.32	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210		14.11	14.11	34.234989	-118.292357	2	0.26	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	N	37.40	37.40	34.244546	-118.422219	2.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	N	38.46	38.46	34.255971	-118.434308	0.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	S	38.54	38.54	34.256832	-118.435219	2.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5		40.05	40.05	34.274612	-118.450668	0.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	S	40.05	40.05	34.274612	-118.450668	0.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	S	41.00	41.00	34.284367	-118.459172	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	S	41.00	41.00	34.284653	-118.459540	2.84	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	S	41.22	41.22	34.285282	-118.459656	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	N	41.22	41.22	34.286656	-118.461886	1.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	101	S	12.53	12.53	34.154179	-118.390739	2.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	101	S	12.64	12.64	34.154273	-118.392506	3.06	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	170	S	19.80	19.80	34.222988	-118.410507	1.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	170	S	19.83	19.83	34.221960	-118.410637	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	0.70	0.70	34.322029	-118.481489	0.22	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	W	0.83	0.83	34.323213	-118.479667	0.56	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	0.96	0.96	34.322863	-118.477415	0.56	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	1.10	1.10	34.322923	-118.474974	1.02	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	W	1.46	1.46	34.323781	-118.468730	1.14	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	1.77	1.77	34.323452	-118.463250	0.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	1.89	1.89	34.323329	-118.461146	0.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	2.42	2.42	34.323385	-118.452052	1.38	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	3.07	3.07	34.318399	-118.442855	0.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	3.25	3.25	34.316610	-118.440566	0.75	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	3.32	3.32	34.315925	-118.439684	0.17	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	3.54	3.54	34.313745	-118.436865	0.86	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	W	4.23	4.23	34.307148	-118.427784	0.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	4.89	4.89	34.299786	-118.420355	0.63	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	W	5.10	5.10	34.297949	-118.417470	0.59	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	5.98	5.98	34.287892	-118.407747	0.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	W	14.21	14.21	34.285726	-118.404511	0.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	405		45.50	45.50	34.246437	-118.472816	3.9	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	405		46.40	46.40	34.259464	-118.472219	5.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	12	118		3.15	3.15	34.273411	-118.582433	1.24	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	12	118		3.33	3.33	34.273453	-118.579032	1.68	0.29	unknown	unknown
Biofiltration Swale	7	LA	4	12	118		3.35	3.35	34.273460	-118.578683	1.05	0.12	unknown	unknown
Biofiltration Swale	7	LA	4	12	118		5.50	5.50	34.274468	-118.541523	1.1	0.39	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	S	25.45	25.45	34.170518	-118.607572	2.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		25.90	25.90	34.167754	-118.614369	0.6	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		26.80	26.80	34.162627	-118.628755	4.9	2.3	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		26.90	26.90	34.162040	-118.630353	0.9	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	N	27.04	27.04	34.161406	-118.632618	2.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	N	27.19	27.19	34.160656	-118.635062	1.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		27.20	27.20	34.160279	-118.635148	1.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	S	27.26	27.26	34.159594	-118.635955	0.2	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	S	27.39	27.39	34.159397	-118.638207	0.6	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	N	27.40	27.40	34.158915	-118.638274	0.8	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	S	27.60	27.60	34.157950	-118.641451	0.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		28.30	28.30	34.153280	-118.652297	2.9	0.9	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		28.40	28.40	34.152677	-118.653911	1.2	0.3	unknown	unknown
Delaware Sand Filter	7	LA	4	2	91	W	11.07	11.07	33.872696	-118.203013	0.72	0.51	unknown	unknown
Delaware Sand Filter	7	LA	4	3	10	W	22.34	22.34	34.068921	-118.150919	1.66	0.61	unknown	unknown

Delaware Sand Filter	7	LA	4	6	91	E	10.07	10.07	33.873719	-118.220300	1.42	2.05	unknown	unknown
Delaware Sand Filter	7	LA	4	6	91	E	10.19	10.19	33.873548	-118.218390	1.94	2.54	unknown	unknown
Delaware Sand Filter	7	LA	4	7	10	E	26.90	26.90	34.071946	-118.072276	1.26	0.42	unknown	unknown
Delaware Sand Filter	7	LA	4	7	60	E	10.95	10.95	34.037365	-118.039688	1.22	unknown	unknown	unknown
Detention Basin	7	LA	4	2	710	S	15.66	15.66	33.912363	-118.180138	unknown	unknown	unknown	unknown
Detention Basin	7	LA	4	2	710	N	17.02	17.02	33.931198	-118.178072	3.54	unknown	unknown	unknown
Detention Basin	7	LA	4	3	710	N	21.90	21.90	33.997335	-118.176803	unknown	unknown	unknown	unknown
Detention Basin	7	LA	4	3	710	N	23.36	23.36	34.018588	-118.172877	2.35	1.54	unknown	unknown
Detention Basin	7	LA	4	4	5	N	27.40	28.10	34.164778	-118.295469	2.85	unknown	unknown	unknown
Detention Basin	7	LA	4	4	5	S	27.82	27.82	34.163784	-118.296387	1.96	unknown	unknown	unknown
Detention Basin	7	LA	4	5	118		2.64	2.64	34.273536	-118.591249	4.94	unknown	unknown	unknown
Detention Basin	7	LA	4	5	118		7.71	7.71	34.278039	-118.503733	2.07	unknown	unknown	unknown
Detention Basin	7	LA	4	6	105	E	10.10	10.10	33.927692	-118.233823	4.59	unknown	unknown	unknown
Detention Basin	7	LA	4	6	110	N	15.94	15.94	33.959569	-118.280499	4.04	0.3	unknown	unknown
Detention Basin	7	LA	4	7	5	S	8.72	8.72	33.961568	-118.116435	1.6	unknown	unknown	unknown
Detention Basin	7	LA	4	7	5	S	9.39	9.39	33.970410	-118.122999	6.67	0.17	unknown	unknown
Detention Basin	7	LA	4	10	5	S	28.41	28.41	34.169422	-118.304093	5.4	unknown	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	1	405	S	6.20	6.20	33.816030	-118.186949	unknown	3.05	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	5	N	16.10	16.10	34.027230	-118.210242	unknown	0.4	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	10	W	18.01	18.01	34.029655	-118.225005	unknown	0.15	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	60	E	0.41	0.41	34.029106	-118.218276	unknown	0.63	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	710	N	23.30	25.60	34.016558	-118.172987	unknown	36.82	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	710	N	24.40	24.40	34.032363	-118.170372	unknown	28.73	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	4	170	N	16.63	16.63	34.179237	-118.395076	unknown	0.32	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	5	118	N	8.99	8.99	34.268306	-118.485444	unknown	0.48	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	6	105	E	7.80	7.80	33.928004	-118.273494	unknown	15	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	7	605	N	24.58	24.58	34.117023	-117.975287	7.41	3.05	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	11.10	11.10	33.872676	-118.202505	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	11.22	11.22	33.873328	-118.200300	5.28	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.10	12.10	33.876798	-118.186130	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.15	12.15	33.876803	-118.185270	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.26	12.26	33.876486	-118.183476	0.95	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.27	12.27	33.876488	-118.183065	3.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.30	12.30	33.876830	-118.182705	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.35	12.35	33.876538	-118.181629	1.67	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.50	12.50	33.876850	-118.179230	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.54	12.54	33.877218	-118.178469	1.34	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.55	12.55	33.876854	-118.178357	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.56	12.56	33.877217	-118.178065	1.34	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.60	12.60	33.876858	-118.177484	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.60	12.60	33.876858	-118.177484	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.61	12.61	33.876554	-118.177208	1.18	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.62	12.62	33.877234	-118.177167	1.18	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.80	12.80	33.876877	-118.173999	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.85	12.85	33.876551	-118.173223	2.76	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.85	12.85	33.876842	-118.173156	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.92	12.92	33.876382	-118.171965	1.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	13.40	13.40	33.876035	-118.163679	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	13.46	13.46	33.876380	-118.162698	1.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	13.80	13.80	33.876786	-118.156796	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.41	12.41	33.919464	-118.196575	1.43	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.44	12.44	33.918478	-118.196426	1.72	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.50	12.50	33.918523	-118.195465	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.50	12.50	33.918523	-118.195465	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.53	12.53	33.918615	-118.194656	1.08	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.54	12.54	33.917876	-118.194989	1.27	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.60	12.60	33.917818	-118.193848	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.60	12.60	33.917818	-118.193848	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.62	12.62	33.918003	-118.193230	1.24	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.63	12.63	33.917215	-118.193496	0.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.65	12.65	33.917480	-118.193096	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.70	12.70	33.917155	-118.192356	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.72	12.72	33.917302	-118.191618	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.76	12.76	33.916347	-118.191577	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	13.10	13.10	33.914842	-118.185948	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	13.15	13.15	33.914156	-118.185049	0.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	13.66	13.66	33.912116	-118.176758	1.22	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	5	S	16.20	16.20	34.027918	-118.211774	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	5	S	18.42	18.42	34.054461	-118.214439	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	W	18.41	18.41	34.055492	-118.213930	1.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	S	18.52	18.52	34.056115	-118.214569	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	20.83	20.83	34.059991	-118.173416	0.52	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	60	E	2.70	2.70	34.033906	-118.179626	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	60	E	4.00	4.00	34.036606	-118.157427	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	101	S	2.35	2.35	34.068544	-118.258839	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	101	S	16.35	16.35	34.028250	-118.214439	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	110	N	23.00	23.00	34.054656	-118.257308	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	110	N	23.11	23.11	34.055892	-118.255372	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	110	S	23.60	23.60	34.061299	-118.250308	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	110	S	23.61	23.61	34.061704	-118.250440	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	17.97	17.97	33.942877	-118.170991	0.87	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	17.99	17.99	33.943169	-118.170954	1.34	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	17.99	17.99	33.943169	-118.170954	0.49	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	22.49	22.49	34.005011	-118.172854	3.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	22.50	22.50	34.005317	-118.172774	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	22.60	22.60	34.006781	-118.172480	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	22.65	22.65	34.007482	-118.172399	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	23.00	23.00	34.012523	-118.172355	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	23.01	23.01	34.012669	-118.172356	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	23.02	23.02	34.012816	-118.172357	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	23.03	23.03	34.012962	-118.172359	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	23.10	23.10	34.013984	-118.172368	unknown	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	3	710	S	23.12	23.12	34.014274	-118.172356	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	23.20	23.20	34.015315	-118.172492	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	23.60	23.60	34.021133	-118.173316	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	23.61	23.61	34.021272	-118.173278	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	23.80	23.80	34.023940	-118.172511	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	25.61	25.61	34.049073	-118.166654	1.22	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	27.45	27.45	34.074542	-118.161669	8.75	4.01	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	E	15.40	15.40	34.106419	-118.249402	0.83	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	W	15.79	15.79	34.111619	-118.247583	0.57	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	N	16.78	16.78	34.118610	-118.232550	1.92	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	E	16.78	16.78	34.119002	-118.232891	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	W	17.02	17.02	34.121826	-118.230019	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	W	17.05	17.05	34.123061	-118.229341	4.11	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	W	17.05	17.05	34.125497	-118.228638	2.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	E	17.78	17.78	34.132389	-118.229087	5.99	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	22.58	22.58	34.102731	-118.250858	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	N	23.15	23.15	34.108261	-118.258021	3.11	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	27.61	27.61	34.162041	-118.294150	2.52	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	27.68	27.68	34.162868	-118.294918	1.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	28.07	28.07	34.166525	-118.299719	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	36.23	36.23	34.232243	-118.407761	0.79	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	101	S	10.50	10.50	34.138943	-118.365384	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	101	N	11.21	11.21	34.147980	-118.371235	4.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	101	S	12.42	12.42	34.154207	-118.388803	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	0.03	0.03	34.153432	-118.375760	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	0.05	0.05	34.153648	-118.375869	0.79	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	0.15	0.15	34.152978	-118.373716	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	0.19	0.19	34.152609	-118.372883	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	0.25	0.25	34.153317	-118.372350	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	0.25	0.25	34.152874	-118.372132	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	0.26	0.26	34.152879	-118.371975	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	0.30	0.30	34.153291	-118.371450	3.16	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	1.30	1.30	34.153011	-118.353908	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	1.36	1.36	34.152839	-118.352884	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	2.59	2.59	34.152828	-118.331842	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	2.60	2.60	34.152563	-118.331640	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	3.00	3.00	34.153923	-118.324934	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	3.09	3.09	34.153847	-118.323530	5.14	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	3.12	3.12	34.154334	-118.322900	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	3.22	3.22	34.154375	-118.321364	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	9.45	9.45	34.145057	-118.218351	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	14.87	14.87	34.158002	-118.379309	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	14.87	14.87	34.157961	-118.379649	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.41	15.41	34.165246	-118.382479	2.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.41	15.41	34.165414	-118.382907	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.55	15.55	34.167184	-118.383675	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.55	15.55	34.167484	-118.383281	1.18	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.59	15.59	34.167478	-118.384359	1.01	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.59	15.59	34.167718	-118.383941	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.73	15.73	34.169160	-118.385468	1.63	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.73	15.73	34.169442	-118.385234	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.82	15.82	34.170393	-118.386330	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.82	15.82	34.170768	-118.385894	0.76	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.95	15.95	34.171549	-118.388024	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.95	15.95	34.171903	-118.387989	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.98	15.98	34.171445	-118.388809	1.08	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.98	15.98	34.171813	-118.388421	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.05	16.05	34.172428	-118.389348	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.05	16.05	34.172831	-118.389048	0.79	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.14	16.14	34.173219	-118.390540	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.14	16.14	34.173549	-118.390347	0.66	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.19	16.19	34.173676	-118.391200	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.19	16.19	34.174120	-118.391143	1.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.23	16.23	34.174063	-118.391689	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.43	16.43	34.176436	-118.393695	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.43	16.43	34.176780	-118.393376	2.04	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.66	16.66	34.179642	-118.395290	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.66	16.66	34.179837	-118.394932	1.82	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.73	16.73	34.180540	-118.395884	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.73	16.73	34.180707	-118.395524	1.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.86	16.86	34.182032	-118.397262	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.86	16.86	34.182321	-118.396912	0.95	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.98	16.98	34.183210	-118.398719	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.98	16.98	34.183474	-118.398362	1.43	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.08	17.08	34.184245	-118.399893	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.08	17.08	34.184667	-118.399469	1.96	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.19	17.19	34.185622	-118.400912	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.19	17.19	34.185882	-118.400404	1.75	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.21	17.21	34.185891	-118.401061	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.21	17.21	34.186253	-118.400216	0.31	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.28	17.28	34.186888	-118.401434	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.28	17.28	34.187015	-118.400917	1.29	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.32	17.32	34.187453	-118.401571	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.32	17.32	34.187690	-118.400753	0.88	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.42	17.42	34.188894	-118.401781	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.42	17.42	34.189005	-118.401413	1.27	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.56	17.56	34.190926	-118.402046	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.56	17.56	34.190981	-118.401681	0.94	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	17.57	17.57	34.191071	-118.402066	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	17.57	17.57	34.191254	-118.402530	0.77	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	17.66	17.66	34.192375	-118.402241	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.66	17.66	34.192375	-118.402241	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	17.66	17.66	34.192414	-118.402605	1.2	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	4	170	N	17.66	17.66	34.192505	-118.401882	1.08	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.10	44.10	34.319690	-118.496412	2.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.30	44.30	34.320613	-118.496646	4.35	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.40	44.40	34.320619	-118.496639	2.57	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.43	44.43	34.320975	-118.496204	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.50	44.50	34.321535	-118.497195	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.90	44.90	34.324910	-118.502784	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	45.66	45.66	34.333901	-118.505598	1.68	2.18	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	45.66	45.66	34.334201	-118.509550	1.83	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	N	45.80	45.80	34.336736	-118.511552	0.86	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	N	45.91	45.91	34.337096	-118.512296	1.71	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	N	45.99	45.99	34.337948	-118.513445	1.07	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	N	45.99	45.99	34.338094	-118.513730	1.07	0.4	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.20	14.20	34.156753	-118.419246	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.26	14.26	34.156500	-118.420319	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.40	14.40	34.156595	-118.422720	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.53	14.53	34.155877	-118.424767	3.53	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.70	14.70	34.155637	-118.427720	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.78	14.78	34.155288	-118.429125	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	16.71	16.71	34.159767	-118.461998	2.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	16.90	16.90	34.159309	-118.465292	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	17.50	17.50	34.164088	-118.473080	3.9	0.3	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	18.20	18.20	34.165061	-118.485147	4.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	18.41	18.41	34.165518	-118.488731	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	18.60	18.60	34.165359	-118.492065	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	19.50	19.50	34.171180	-118.505702	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	19.60	19.60	34.171180	-118.507449	0.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	20.57	20.57	34.171414	-118.524416	2.7	0.4	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	21.00	21.00	34.172093	-118.531528	4.5	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	22.60	22.60	34.173633	-118.559250	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	22.67	22.67	34.173858	-118.560526	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	23.14	23.14	34.172505	-118.568573	1.9	0.2	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	23.18	23.18	34.172359	-118.569257	0.9	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	24.08	24.08	34.168309	-118.584079	unknown	0.8	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	24.50	24.50	34.168501	-118.591265	1.6	0.7	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	24.70	24.70	34.169028	-118.594699	1.3	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	118		9.13	9.13	34.267195	-118.483692	3.36	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	405	S	40.28	40.28	34.172143	-118.467654	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	91	E	10.20	10.20	33.873525	-118.218050	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	91	E	10.25	10.25	33.872429	-118.217359	2.45	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	91	E	10.80	10.80	33.873509	-118.207533	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	91	E	10.84	10.84	33.873005	-118.206847	4.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	7.00	7.00	33.928224	-118.287533	1.13	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.01	8.01	33.927116	-118.270115	2.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.12	8.12	33.927139	-118.267944	1.19	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.20	8.20	33.927476	-118.266570	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.24	8.24	33.927476	-118.265881	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.25	8.25	33.927052	-118.265730	7.14	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.31	8.31	33.927027	-118.264631	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.43	8.43	33.927064	-118.262524	6.35	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.45	8.45	33.927474	-118.262260	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.47	8.47	33.927474	-118.261916	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.50	8.50	33.927474	-118.261398	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.59	8.59	33.927479	-118.259849	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.60	8.60	33.927483	-118.259677	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.67	8.67	33.927955	-118.258243	4.94	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.70	8.70	33.927591	-118.257985	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.74	8.74	33.928089	-118.257385	0.73	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.75	8.75	33.928153	-118.257054	1.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.84	8.84	33.928494	-118.255377	1.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.93	8.93	33.927812	-118.254077	0.97	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.94	8.94	33.928775	-118.253144	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.00	9.00	33.928248	-118.252898	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.04	9.04	33.928856	-118.252003	2.22	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.08	9.08	33.928923	-118.251267	1.9	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.09	9.09	33.928918	-118.250905	0.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.10	9.10	33.928472	-118.251201	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.15	9.15	33.928584	-118.250353	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.20	9.20	33.928338	-118.248921	8.31	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.20	9.20	33.928682	-118.249460	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.23	9.23	33.928738	-118.248717	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.30	9.30	33.928776	-118.247640	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.34	9.34	33.928344	-118.246633	0.83	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.50	9.50	33.928632	-118.244176	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.50	9.50	33.928632	-118.244176	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.54	9.54	33.928871	-118.241811	9.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.60	9.60	33.928527	-118.242449	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.70	9.70	33.928423	-118.240721	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.70	9.70	33.928799	-118.240808	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.71	9.71	33.927830	-118.241240	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	10.08	10.08	33.928372	-118.233504	19.85	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	10.97	10.97	33.928621	-118.219295	1.01	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.02	11.02	33.928855	-118.218180	1.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	11.07	11.07	33.927967	-118.217681	0.65	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.10	11.10	33.928247	-118.216759	0.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	11.14	11.14	33.927451	-118.216541	0.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.76	11.76	33.923859	-118.206445	2.47	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.80	11.80	33.923281	-118.206264	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.81	11.81	33.923407	-118.205619	1.82	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.85	11.85	33.922953	-118.205514	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.88	11.88	33.922996	-118.204684	0.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.89	11.89	33.922687	-118.204906	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	11.95	11.95	33.922286	-118.203988	unknown	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	6	105	W	11.96	11.96	33.922218	-118.203832	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	11.98	11.98	33.921623	-118.203618	0.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.98	11.98	33.922331	-118.203198	1.07	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.00	12.00	33.921942	-118.203208	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	12.00	12.00	33.921942	-118.203208	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.08	12.08	33.920936	-118.201963	1.82	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	12.08	12.08	33.921657	-118.201611	1.65	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	12.25	12.25	33.920241	-118.199359	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	12.25	12.25	33.920478	-118.198927	0.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.28	12.28	33.919601	-118.198881	0.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.30	12.30	33.919898	-118.198575	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	12.30	12.30	33.919898	-118.198575	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.35	12.35	33.919556	-118.197791	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.36	12.36	33.919099	-118.197721	1.03	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.40	12.40	33.919214	-118.197009	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	14.85	14.85	33.943839	-118.279686	2.67	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	S	15.08	15.08	33.947167	-118.279749	4.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	15.19	15.19	33.948786	-118.279346	5.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	150	E	8.46	8.46	33.927068	-118.261846	2.31	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	10	E	27.16	27.16	34.071983	-118.067777	2.04	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	10	W	27.35	27.35	34.072348	-118.064439	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	10	W	29.59	29.59	34.068396	-118.026536	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	10	E	29.94	29.94	34.067191	-118.020654	1.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	4.17	4.17	34.036209	-118.154547	0.76	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	4.40	4.40	34.035501	-118.150677	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	4.80	4.80	34.033089	-118.144379	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	4.90	4.90	34.033008	-118.142634	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	4.91	4.91	34.033009	-118.142459	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.20	5.20	34.033062	-118.137395	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.21	5.21	34.033064	-118.137220	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.30	5.30	34.033072	-118.135644	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.70	5.70	34.033150	-118.128667	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	5.71	5.71	34.033152	-118.128493	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.80	5.80	34.033174	-118.126926	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	5.81	5.81	34.033177	-118.126752	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.82	5.82	34.033179	-118.126578	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	5.83	5.83	34.033182	-118.126404	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.84	5.84	34.033184	-118.126230	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	5.85	5.85	34.033187	-118.126056	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.90	5.90	34.033200	-118.125186	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	5.91	5.91	34.033202	-118.125012	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	6.04	6.04	34.033479	-118.122762	0.93	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	6.05	6.05	34.033001	-118.122586	0.92	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	6.14	6.14	34.033026	-118.121003	1.43	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	6.34	6.34	34.033066	-118.117523	0.9	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	6.60	6.60	34.033348	-118.113019	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	210	W	32.49	32.49	34.143939	-118.022675	1.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	210	W	33.01	33.01	34.139212	-118.015380	1.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	210	E	34.94	34.94	34.135324	-117.983016	1.27	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	605	S	24.20	24.20	34.115746	-117.977037	0.59	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	605	S	24.20	24.20	34.115746	-117.977037	3.07	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	605	S	24.20	24.20	34.115746	-117.977037	0.96	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	605	S	24.20	24.20	34.115746	-117.977037	0.61	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	710	M	19.70	19.70	34.140037	-118.154831	218.5	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	710	N	32.19	32.19	34.141900	-118.154643	208.67	116.08	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.73	22.73	34.178695	-118.166051	0.89	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.73	22.73	34.178969	-118.165899	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.79	22.79	34.178083	-118.165309	1.49	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.79	22.79	34.178405	-118.165111	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.81	22.81	34.178215	-118.164849	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.81	22.81	34.178384	-118.164543	0.38	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.84	22.84	34.177609	-118.164589	0.24	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.84	22.84	34.177928	-118.164456	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.88	22.88	34.177545	-118.163932	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.88	22.88	34.177744	-118.163549	0.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.89	22.89	34.176683	-118.163468	0.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.89	22.89	34.177447	-118.163802	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.92	22.92	34.177156	-118.163410	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.92	22.92	34.177335	-118.163038	0.34	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.93	22.93	34.176250	-118.162933	0.44	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.93	22.93	34.177060	-118.163279	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	23.01	23.01	34.175912	-118.162520	0.79	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	23.01	23.01	34.176297	-118.162226	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	23.46	23.46	34.171048	-118.157944	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	23.46	23.46	34.172304	-118.158859	0.92	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	23.73	23.73	34.167108	-118.158016	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.77	23.77	34.166126	-118.157720	1.02	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.77	23.77	34.166534	-118.158062	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.84	23.84	34.165427	-118.157693	1.01	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.84	23.84	34.165532	-118.158150	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.88	23.88	34.164809	-118.157740	0.34	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.88	23.88	34.164950	-118.158197	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	38.16	38.16	34.167165	-118.158431	0.44	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	E	18.47	18.47	34.141786	-118.227209	2.12	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	W	18.56	18.56	34.143071	-118.227962	0.75	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	E	18.57	18.57	34.143061	-118.226635	1.45	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	E	19.07	19.07	34.150105	-118.224384	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	W	19.21	19.21	34.152638	-118.225438	7.23	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	W	20.48	20.48	34.170249	-118.223510	3.13	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	W	21.46	21.46	34.183759	-118.217884	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	S	21.46	21.46	34.183835	-118.218959	8.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	6.06	6.06	34.153802	-118.273235	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	6.10	6.10	34.154456	-118.272709	unknown	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	9	134	E	6.20	6.20	34.154519	-118.270957	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	W	6.40	6.40	34.155597	-118.267718	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	W	6.48	6.48	34.156279	-118.266520	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	8.00	8.00	34.154974	-118.240217	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	8.20	8.20	34.153033	-118.237475	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	W	8.30	8.30	34.152053	-118.236156	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	8.30	8.30	34.151714	-118.236333	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	W	8.45	8.45	34.151002	-118.234086	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	8.50	8.50	34.150225	-118.233630	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	8.57	8.57	34.149329	-118.232631	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	9.20	9.20	34.145722	-118.222665	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	9.25	9.25	34.145547	-118.221803	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	9.34	9.34	34.145287	-118.220259	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	9.43	9.43	34.145090	-118.218696	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	10.10	10.10	34.145507	-118.207047	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	210		10.51	10.51	34.266663	-118.336487	1.55	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	10	5	N	32.14	32.14	34.210117	-118.345598	2.17	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	10	5	N	32.81	32.81	34.216956	-118.353782	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	10	5	S	34.32	34.32	34.226057	-118.376338	3.99	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	10	210	W	8.60	8.60	34.273694	-118.367673	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	10	210	E	9.08	9.08	34.273049	-118.359250	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	S	39.75	39.75	34.270687	-118.448108	2.47	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	S	39.75	39.75	34.270936	-118.447814	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	N	39.81	39.81	34.271862	-118.447996	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	N	39.81	39.81	34.271637	-118.448368	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	S	40.13	40.13	34.275201	-118.451869	2.47	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	S	40.13	40.13	34.275516	-118.451594	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	S	40.36	40.36	34.277306	-118.454850	0.79	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	101	S	12.55	12.55	34.154167	-118.390933	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	101	S	12.60	12.60	34.154443	-118.391891	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	101	S	12.73	12.73	34.154084	-118.394103	0.78	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	170	N	19.88	19.88	34.223683	-118.410695	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	170	N	19.92	19.92	34.224251	-118.410845	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	170	N	19.92	19.92	34.224397	-118.410560	1.71	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	210	E	1.86	1.86	34.323599	-118.461744	2.42	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	210	E	3.54	3.54	34.313767	-118.436865	0.86	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	210	E	6.62	6.62	34.280843	-118.400437	0.94	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	25.40	25.40	34.170801	-118.606691	1	0.6	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	25.40	25.40	34.170801	-118.606691	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	25.40	25.40	34.170801	-118.606691	1	0.6	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	25.90	25.90	34.167754	-118.614369	0.6	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	25.95	25.95	34.167325	-118.615062	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.00	26.00	34.167207	-118.615968	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.04	26.04	34.167027	-118.616502	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.40	26.40	34.164844	-118.622337	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.48	26.48	34.164715	-118.623705	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.80	26.80	34.162627	-118.628755	4.9	2.3	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.90	26.90	34.162040	-118.630353	0.9	0.4	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	27.20	27.20	34.160279	-118.635148	1.3	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	27.40	27.40	34.159110	-118.638329	0.8	0.2	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	27.40	27.40	34.159110	-118.638329	1.1	0.3	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	27.40	27.40	34.159110	-118.638329	1.1	0.3	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	28.00	28.00	34.155292	-118.647665	1	0.2	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	28.30	28.30	34.153280	-118.652297	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	28.60	28.60	34.151703	-118.657221	0.5	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	28.80	28.80	34.150758	-118.660536	2.7	0.5	unknown	unknown
Infiltration Basin	7	LA	4	2	710	N	17.19	17.19	33.933708	-118.177574	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	710	N	22.07	22.07	33.999475	-118.175649	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	710	N	22.07	22.07	33.999273	-118.175223	3.81	unknown	unknown	unknown
Infiltration Basin	7	LA	4	4	5	N	23.81	23.81	34.113581	-118.267351	2.5	unknown	unknown	unknown
Infiltration Basin	7	LA	4	4	101	S	10.50	10.50	34.139067	-118.365454	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	7	5	N	9.14	9.14	33.966988	-118.121088	1.4	unknown	unknown	unknown
Infiltration Basin	7	LA	4	7	5	S	9.18	9.18	33.967163	-118.121920	0.7	unknown	unknown	unknown
Infiltration Basin	7	LA	4	7	10	E	28.00	28.00	34.072081	-118.053387	5.01	1.7	unknown	unknown
Infiltration Basin	7	LA	4	7	60	E	4.30	4.30	34.035810	-118.152376	4.06	2.3	unknown	unknown
Infiltration Basin	7	LA	4	7	210	E	32.85	32.85	34.140714	-118.017764	4.59	unknown	unknown	unknown
Infiltration Basin	7	LA	4	9	210	E	15.90	15.90	34.229820	-118.263907	1.44	unknown	unknown	unknown
Infiltration Basin	7	LA	4	11	5	N	37.99	37.99	34.250909	-118.428950	2.1	unknown	unknown	unknown
Infiltration Basin	7	LA	4	11	5	S	38.54	38.54	34.256832	-118.435219	2.8	unknown	unknown	unknown
Infiltration Trench	7	LA	4	7	210	W	35.05	35.05	34.135840	-117.978886	0.93	unknown	unknown	unknown
Infiltration Trench	7	LA	4	8	210		23.15	23.15	34.181155	-118.167768	1.7	unknown	unknown	unknown
Multi-Chambered Treatment Train	7	LA	4	4	5		22.55	22.55	34.102485	-118.249914	unknown	unknown	unknown	unknown
Other	7	LA	4	1	405		8.10	8.10	33.825348	-118.216057	unknown	unknown	unknown	unknown
Other	7	LA	4	3	10		17.00	17.00	34.023960	-118.241132	unknown	unknown	unknown	unknown
Other	7	LA	4	3	10	E	17.02	17.02	34.023469	-118.241514	0.8	unknown	unknown	unknown
Other	7	LA	4	3	101	S	0.20	0.20	34.037200	-118.222041	0.66	unknown	unknown	unknown
Other	7	LA	4	4	5	S	22.43	22.43	34.101348	-118.249970	4.6	unknown	unknown	unknown
Other	7	LA	4	4	101		11.20	11.20	34.147585	-118.371265	unknown	unknown	unknown	unknown
Other	7	LA	4	4	134		0.35	0.35	34.152950	-118.370549	unknown	unknown	unknown	unknown
Other	7	LA	4	5	27	N	9.61	9.61	34.140939	-118.605781	0.11	0.03	unknown	unknown
Other	7	LA	4	5	405	S	42.59	42.59	34.204233	-118.473360	unknown	unknown	unknown	unknown
Other	7	LA	4	10	210	W	8.53	8.53	34.273770	-118.368926	unknown	unknown	unknown	unknown
Other	7	LA	4	11	210	W	6.30	6.30	34.284561	-118.403818	unknown	unknown	unknown	unknown

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Treatment BMP List - Los Angeles River Watershed Bacteria TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	405	S	7.54	7.54	33.825962	-118.20659	1.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	710	N	7.01	7.01	33.792141	-118.20705	7.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	710	S	11.934	11.934	33.861923	-118.20021	6	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	710	N	17.039	17.039	33.931474	-118.17798	3.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	5	S	15.72	15.72	34.0247	-118.20451	1.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	5	S	18.32	18.32	34.05337	-118.2144	1.49	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	10	S	17.259	17.259	34.053859	-118.23287	1.57	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	10	W	21.07	21.07	34.061911	-118.17041	6.77	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		0.498	0.498	34.05377	-118.2344	2.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		0.602	0.602	34.053787	-118.23575	3.64	0.34	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		2.602	2.602	34.070251	-118.26276	4.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	710	N	22.533	22.533	34.005715	-118.17227	1.35	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	N	20.84	20.84	34.084413	-118.23005	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	N	20.87	20.87	34.084697	-118.23045	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	S	22.33	22.33	34.099851	-118.24823	3.64	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	N	25.89	25.89	34.141745	-118.27739	1.91	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	N	27.4	28.1	34.165591	-118.29671	4.61	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	N	27.86	27.86	34.16555	-118.2967	4.61	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	5	S	36.16	36.16	34.231996	-118.40661	1.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	101		10.898	10.898	34.144356	-118.36789	8.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	101		10.898	10.898	34.144356	-118.36789	4.7	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	101	S	12.014	12.014	34.154172	-118.38155	1.88	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	170	S	15.7	15.7	34.169466	-118.38526	1.73	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	170	N	16.307	16.307	34.175035	-118.39223	2.79	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	5	N	42.044	42.044	34.296781	-118.47264	5.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		14	14	34.15674	-118.41576	5.4	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	N	17.5	17.5	34.164088	-118.47308	1.6	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	S	17.561	17.561	34.164406	-118.47412	1.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		17.697	17.697	34.165348	-118.47645	2.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	S	17.808	17.808	34.165157	-118.47842	4.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		18.101	18.101	34.165281	-118.48339	3.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		21.9	21.9	34.173454	-118.54711	1.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	118		1.82	1.82	34.277662	-118.60444	4.37	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	118		8.447	8.447	34.274024	-118.49243	3.67	0.14	unknown	unknown
Austin Sand Filter	7	LA	4	5	210	W	0.405	0.405	34.319112	-118.4854	1.21	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	405	S	39.6	39.6	34.163448	-118.46992	5.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	91	W	9.91	9.91	33.873975	-118.22307	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	91	W	10.07	10.07	33.87407	-118.21966	1.34	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	91	E	10.18	10.18	33.873196	-118.2181	2.09	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	91	W	10.429	10.429	33.873489	-118.21403	6.91	1.07	0.63	unknown
Austin Sand Filter	7	LA	4	6	105	W	10.1	10.1	33.928342	-118.2338	4.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	105	E	11.49	11.49	33.925005	-118.21111	1.63	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	N	15.38	15.38	33.95126	-118.2801	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	N	15.78	15.78	33.958728	-118.28011	1.99	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	S	15.81	15.81	33.959178	-118.28143	1.6	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	S	15.97	15.97	33.96146	-118.28156	1.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	S	17.81	17.81	33.988043	-118.28117	1.18	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	N	19.31	19.31	34.009828	-118.2805	1.36	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	N	19.83	19.83	34.016665	-118.27993	5.06	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	5	N	9.6	9.6	33.97312	-118.12348	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	5	N	9.891	9.891	33.976887	-118.12579	2.37	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	60	E	4.394	4.394	34.034785	-118.15114	1.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	27	27	34.152712	-118.1207	3.32	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	27.49	27.49	34.152819	-118.11241	3.62	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	27.73	27.73	34.152931	-118.10717	3.49	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	27.94	27.94	34.152994	-118.10331	5.37	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	E	28.53	28.53	34.151928	-118.09342	2.34	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	E	28.79	28.79	34.150501	-118.08994	2.57	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	E	29.69	29.69	34.148026	-118.06993	4.04	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	E	31.94	31.94	34.147334	-118.03094	1.84	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	E	33.73	33.73	34.135116	-118.00393	1.62	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	34.66	34.66	34.135739	-117.98778	0.83	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210		34.675	34.675	34.137857	-117.98806	1.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210		34.9	34.9	34.135455	-117.98375	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	35.29	35.29	34.135829	-117.97487	3.36	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	7	210	W	35.71	35.71	34.13568	-117.9696	3.57	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	8	5	N	20.3	20.3	34.081718	-118.22282	3.91	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	8	5	N	20.84	20.84	34.081702	-118.22276	16.88	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	9	134	W	8.9	8.9	34.14715	-118.22517	3.6	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	9	134	E	11.6	11.6	34.141938	-118.18449	8.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	9	210		10.536	10.536	34.266309	-118.33615	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	10	5	N	28.45	28.45	34.170981	-118.30424	6.49	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	10	5	S	28.98	28.98	34.176585	-118.30836	4.24	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	10	5	N	31.348	31.348	34.200449	-118.33819	5.12	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	10	5	N	31.579	31.579	34.203158	-118.34041	3.13	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	10	210		14.107	14.107	34.234989	-118.29236	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	36.36	36.36	34.233141	-118.40976	2.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	37.5	37.5	34.245628	-118.42336	3.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	N	38.54	38.54	34.256832	-118.43522	2.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	39.21	39.21	34.264712	-118.44207	5.4	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	40.303	40.303	34.277002	-118.45393	3.41	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	40.53	40.53	34.280462	-118.45651	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	5	S	40.601	40.601	34.280868	-118.45674	15.23	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	101	N	13.103	13.103	34.155565	-118.40049	1.73	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	118		10.11	10.11	34.265945	-118.46684	2.05	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	170	N	19.774	19.774	34.222296	-118.40968	2.15	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	170	N	19.89	19.89	34.223859	-118.41039	2.18	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	210	W	3.074	3.074	34.3188	-118.44235	1.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	210	W	3.544	3.544	34.314169	-118.43634	1.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	210	E	5.179	5.179	34.296599	-118.41701	3.32	unknown	unknown	unknown

Austin Sand Filter	7	LA	4	11	210	W	5.263	5.263	34.296114	-118.41556	2.11	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	210		6.048	6.048	34.286832	-118.40771	1.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	405	N	46.8	46.8	34.265269	-118.47216	3.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	11	405	N	47.6	47.6	34.276707	-118.47054	2.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	14	101		26.1	26.1	34.166385	-118.61745	1.1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	710	S	8.13	8.13	33.807704	-118.20726	4.99	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	5	S	18.4	18.4	34.054468	-118.21437	1.95	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	18.962	18.962	34.054135	-118.20458	1.75	0.65	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	M	19.014	19.014	34.054127	-118.20378	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	E	21.269	21.269	34.061308	-118.16689	0.83	0.94	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	21.32	21.32	34.061518	-118.16611	1.49	1.22	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	21.35	21.35	34.061191	-118.16564	0.41	0.86	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	E	21.419	21.419	34.061087	-118.16451	1.2	0.97	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	E	23.309	23.309	34.071233	-118.13485	0.83	0.64	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	23.311	23.311	34.071901	-118.13483	0.5	0.41	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	23.36	23.36	34.071947	-118.13399	0.76	0.55	unknown	unknown
Biofiltration Strip	7	LA	4	3	60	W	2.555	2.555	34.033012	-118.18199	0.15	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	N	17.239	17.239	34.053975	-118.2332	1.9	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	110	S	23.14	23.14	34.056755	-118.2562	1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	710	S	22.54	22.54	34.005724	-118.17268	0.45	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	710	N	25.578	25.578	34.049061	-118.16666	0.77	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	5		43.004	43.004	34.307164	-118.48332	0.96	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	5		43.3	43.3	34.307164	-118.48332	2.41	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	5	S	44.02	44.02	34.315982	-118.49145	0.71	0.27	unknown	unknown
Biofiltration Strip	7	LA	4	5	5	S	44.4	44.4	34.320712	-118.49579	0.96	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	5	S	45.2	45.2	34.328414	-118.50526	0.25	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	5	N	45.718	45.718	34.334963	-118.50975	1.12	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	14	N	25.215	25.215	34.339462	-118.50641	0.34	0.48	unknown	unknown
Biofiltration Strip	7	LA	4	5	101	S	12.392	12.392	34.170165	-118.60639	0.7	0.4	unknown	unknown
Biofiltration Strip	7	LA	4	5	101	N	12.501	12.501	34.171705	-118.60648	0.4	0.6	unknown	unknown
Biofiltration Strip	7	LA	4	5	101	N	17.529	17.529	34.165435	-118.47363	0.3	0.9	unknown	unknown
Biofiltration Strip	7	LA	4	5	101	N	19.934	19.934	34.171385	-118.51329	0.3	0.4	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		20	20	34.171182	-118.51444	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	6	91	W	8.79	8.79	33.873529	-118.24252	4.37	0.78	unknown	unknown
Biofiltration Strip	7	LA	4	6	91	W	9.49	9.49	33.87387	-118.23035	4.97	0.5	0.01	unknown
Biofiltration Strip	7	LA	4	7	0	W	26.88	26.88	34.072537	-118.07263	1.12	0.71	unknown	unknown
Biofiltration Strip	7	LA	4	7	0	E	26.89	26.89	34.071947	-118.07243	1.79	1.33	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	23.98	23.98	34.071248	-118.12316	0.64	0.48	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	W	23.98	23.98	34.072019	-118.12317	1.34	1.07	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	24.009	24.009	34.071912	-118.12267	0.71	0.56	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	W	24.819	24.819	34.072146	-118.10854	0.8	0.6	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	24.858	24.858	34.072223	-118.10786	0.62	0.48	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	24.86	24.86	34.071622	-118.10782	1.03	0.91	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	25.32	25.32	34.071465	-118.09981	1.38	1.16	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	W	25.359	25.359	34.072237	-118.09912	1.16	0.99	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	25.55	25.55	34.071675	-118.09579	2.05	0.8	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	25.83	25.83	34.071762	-118.09092	1.07	0.74	unknown	unknown
Biofiltration Strip	7	LA	4	7	10		25.83	25.83	34.072287	-118.09092	1.25	0.89	unknown	unknown
Biofiltration Strip	7	LA	4	7	10		25.87	25.87	34.07177	-118.09021	0.86	0.64	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	W	25.87	25.87	34.072294	-118.09022	0.99	0.69	unknown	unknown
Biofiltration Strip	7	LA	4	7	10		26.329	26.329	34.072507	-118.08223	0.83	0.64	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	26.33	26.33	34.071837	-118.0822	1.11	0.89	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	E	26.83	26.83	34.071951	-118.07349	0.91	0.62	unknown	unknown
Biofiltration Strip	7	LA	4	7	10	W	29.38	29.38	34.068249	-118.03016	0.46	0.08	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	E	4.56	4.56	34.034114	-118.14864	0.49	0.16	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	E	7.79	7.79	34.035864	-118.09249	0.3	0.21	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	E	8.1	8.1	34.037074	-118.08731	2.76	0.61	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	9.29	9.29	34.041576	-118.0681	3.14	0.76	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	9.48	9.48	34.041588	-118.0648	0.44	0.14	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	9.54	9.54	34.041568	-118.06373	0.32	0.33	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	9.61	9.61	34.041507	-118.06246	0.37	0.25	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	E	9.66	9.66	34.040975	-118.06168	1.85	0.39	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	9.94	9.94	34.040893	-118.05679	0.79	0.26	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	E	10.09	10.09	34.039943	-118.0544	0.86	0.22	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	10.22	10.22	34.040055	-118.052	0.43	0.18	unknown	unknown
Biofiltration Strip	7	LA	4	7	60	W	10.316	10.316	34.039798	-118.05033	1.24	0.37	unknown	unknown
Biofiltration Strip	7	LA	4	7	210	W	29.83	29.83	34.149121	-118.0672	0.32	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	7	210	W	30.94	30.94	34.149229	-118.04871	0.36	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	7	210	W	31.94	31.94	34.148199	-118.03007	0.37	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	8	210	N	20.343	20.343	34.20365	-118.19301	0.45	0.93	unknown	unknown
Biofiltration Strip	7	LA	4	8	210	S	22.552	22.552	34.181251	-118.16789	1.7	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	9	210	E	18.7	18.7	34.208659	-118.22028	1.15	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	10	210		11.033	11.033	34.260528	-118.3306	2.9	2.58	unknown	unknown
Biofiltration Strip	7	LA	4	10	210		12.277	12.277	34.244718	-118.31957	1.68	0.53	unknown	unknown
Biofiltration Strip	7	LA	4	10	210		14.305	14.305	34.234691	-118.28897	0.87	0.34	unknown	unknown
Biofiltration Strip	7	LA	4	10	210		14.305	14.305	34.234691	-118.28897	1.44	0.07	unknown	unknown
Biofiltration Strip	7	LA	4	11	5	N	38.54	38.54	34.256832	-118.43522	2.8	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	12	118		3.348	3.348	34.27346	-118.57868	0.4	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	14	101		26.801	26.801	34.162627	-118.62876	1.1	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	27.314	27.314	34.159805	-118.63697	0.8	0.2	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	28.052	28.052	34.155175	-118.64855	1.3	0.4	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	28.125	28.125	34.154744	-118.64971	1.2	0.2	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	28.187	28.187	34.154383	-118.6507	0.8	0.2	unknown	unknown
Biofiltration Strip	7	LA	4	14	101		28.199	28.199	34.153945	-118.65075	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	14	101		28.299	28.299	34.15328	-118.6523	0.4	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	14	101		28.601	28.601	34.151703	-118.65722	0.5	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	28.795	28.795	34.151038	-118.66051	2.2	0.5	unknown	unknown
Biofiltration Strip	7	LA	4	14	101		28.8	28.8	34.150758	-118.66054	0.5	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	14	101	N	29.112	29.112	34.149898	-118.66581	0.6	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	6.085	6.085	33.815069	-118.18527	12.18	0.28	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	6.637	6.637	33.820001	-118.19304	3.6	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	6.809	6.809	33.82129	-118.19556	5.8	1.1	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	N	7.16	7.16	33.824854	-118.20048	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	7.374	7.374	33.825474	-118.2039	11.4	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	N	7.678	7.678	33.8269	-118.20891	3.6	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	7.909	7.909	33.825773	-118.21279	5.2	2	unknown	unknown

Biofiltration Swale	7	LA	4	1	405	N	7.93	7.93	33.826076	-118.21327	6.9	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	8.202	8.202	33.824968	-118.21785	3.2	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	S	7.241	7.241	33.79503	-118.20698	3.57	2.62	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	S	8.13	8.13	33.807878	-118.20701	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.14	9.14	33.822634	-118.20641	1.26	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.44	9.44	33.826978	-118.20717	0.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.57	9.57	33.829165	-118.20786	0.62	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.69	9.69	33.830957	-118.20841	2.01	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.82	9.82	33.832296	-118.20838	1.41	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	S	9.83	9.83	33.832076	-118.20922	1.99	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	9.95	9.95	33.83423	-118.20841	2.21	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	710	N	10.409	10.409	33.840536	-118.20672	1.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	E	11	11	33.871995	-118.20345	0.43	0.9	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	E	11.032	11.032	33.87275	-118.2037	0.6	1.66	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	11.161	11.161	33.872671	-118.20148	0.67	0.53	0.25	0.3
Biofiltration Swale	7	LA	4	2	91	W	11.635	11.635	33.875116	-118.19393	0.78	0.48	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	13.62	13.62	33.875783	-118.15979	0.52	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	13.626	13.626	33.876646	-118.15982	0.66	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	13.66	13.66	33.876246	-118.15918	0.39	0.23	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	13.661	13.661	33.876247	-118.15917	0.56	0.45	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	12.42	12.42	33.919413	-118.19652	1.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	E	12.46	12.46	33.91851	-118.19631	0.77	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	12.53	12.53	33.918623	-118.19453	9.34	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	E	12.54	12.54	33.917782	-118.19493	7.26	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	12.62	12.62	33.917998	-118.19338	2.13	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	12.75	12.75	33.91717	-118.19139	1.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	13.16	13.16	33.914881	-118.18484	1.03	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	710	N	13.05	13.05	33.876466	-118.19248	1.24	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	710	N	13.23	13.23	33.879108	-118.19165	2.08	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	710	N	15.76	15.76	33.91364	-118.17957	1.07	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	710	S	17.007	17.007	33.93127	-118.17917	0.84	0.35	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	15.775	15.775	34.025214	-118.20515	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	15.88	15.88	34.026263	-118.20868	0.87	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	15.95	15.95	34.026766	-118.20837	1.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	16.021	16.021	34.026689	-118.20903	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	16.077	16.077	34.02677	-118.21003	0.44	0.75	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	17.351	17.351	34.040274	-118.21897	5.82	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	18.42	18.42	34.054461	-118.21443	2.13	0.37	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	18.52	18.52	34.056221	-118.21452	1.18	0.26	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	19.37	19.37	34.068646	-118.21571	0.43	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	17.654	17.654	34.027679	-118.23073	0.89	0.57	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	19.332	19.332	34.055102	-118.19837	5.62	1.64	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	20.8	20.8	34.059704	-118.17426	0.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	21.235	21.235	34.061177	-118.16748	1.77	0.94	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	21.27	21.27	34.060732	-118.16702	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	21.27	21.27	34.061308	-118.16689	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	21.283	21.283	34.060838	-118.16675	1.57	1.05	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	21.38	21.38	34.061047	-118.16521	0.63	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	23.279	23.279	34.071779	-118.13538	0.87	0.31	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	23.36	23.36	34.071242	-118.13398	0.96	0.64	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	23.369	23.369	34.071756	-118.13383	0.69	0.55	unknown	unknown
Biofiltration Swale	7	LA	4	3	60	E	2.616	2.616	34.032914	-118.18085	0.1	0.05	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		0.202	0.202	34.053316	-118.23034	6.25	2.65	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	0.463	0.463	34.053372	-118.23355	0.34	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		0.999	0.999	34.056238	-118.24124	7.67	3.21	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	2.355	2.355	34.068591	-118.25893	1.03	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		2.402	2.402	34.069219	-118.25984	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	110	S	23.101	23.101	34.056047	-118.25618	0.63	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	18.35	18.35	33.948437	-118.17085	1.4	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	18.49	18.49	33.950471	-118.17044	0.69	0.36	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	18.49	18.49	33.950471	-118.17044	0.16	0.92	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	18.51	18.51	33.950763	-118.17046	1.31	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	18.739	18.739	33.954125	-118.17061	1.03	0.45	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.63	19.63	33.96671	-118.16811	0.19	0.34	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.63	19.63	33.96671	-118.16811	0.2	0.51	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.66	19.66	33.967128	-118.16798	0.29	0.34	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	19.68	19.68	33.967406	-118.1679	0.47	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.69	19.69	33.967547	-118.16786	0.35	1.53	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	19.71	19.71	33.967833	-118.1678	1.2	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	19.78	19.78	33.968842	-118.16766	0.34	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.8	19.8	33.969134	-118.16765	0.17	0.27	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	19.83	19.83	33.96957	-118.16765	0.3	1.03	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	21.92	21.92	33.99755	-118.17673	0.23	0.07	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	21.92	21.92	33.99755	-118.17673	0.25	0.72	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	21.93	21.93	33.997692	-118.17668	0.25	0.16	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	21.97	21.97	33.998253	-118.17643	0.12	0.32	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	21.97	21.97	33.998253	-118.17643	0.18	0.16	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	22.52	22.52	34.005436	-118.17274	1.25	0.21	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	23.46	23.46	34.019092	-118.17339	0.32	0.09	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	26.09	26.09	34.055367	-118.16437	1.22	0.52	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	26.538	26.538	34.061799	-118.16536	1.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	N	26.649	26.649	34.063373	-118.16445	0.91	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	710	S	27.416	27.416	34.07398	-118.16158	8.75	4.01	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	21.75	21.75	34.093537	-118.24119	0.37	0.37	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	22.28	22.28	34.099166	-118.24775	0.25	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	22.58	22.58	34.102735	-118.25087	0.57	0.42	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	22.66	22.66	34.103615	-118.25141	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	22.66	22.66	34.103886	-118.25261	3.47	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	23.01	23.01	34.107357	-118.2558	0.37	0.09	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	23.734	23.734	34.112748	-118.26644	0.26	0.14	0.38	unknown
Biofiltration Swale	7	LA	4	4	5	N	26.51	26.51	34.151518	-118.28021	0.62	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	27.82	27.82	34.164656	-118.29762	0.39	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	35.054	35.054	34.226554	-118.38891	0.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	35.832	35.832	34.231724	-118.40127	0.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	9.304	9.304	34.129547	-118.34804	0.18	0.26	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	9.801	9.801	34.133603	-118.3548	0.34	0.1	unknown	unknown

Biofiltration Swale	7	LA	4	4	101	S	10.302	10.302	34.137122	-118.36228	0.46	0.17	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	11.166	11.166	34.146757	-118.37116	0.19	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	N	12.124	12.124	34.154781	-118.38356	2.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	12.412	12.412	34.154213	-118.3886	1.74	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	W	0.3	0.3	34.15264	-118.37073	3.2	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	E	0.3	0.3	34.153307	-118.37076	2.4	0.8	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	W	2.7	2.72	34.152999	-118.33021	1.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	W	2.7	2.7	34.153119	-118.33069	1.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	E	2.769	2.769	34.153124	-118.3288	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	134	E	2.9	2.92	34.153433	-118.32667	3.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	134		3.801	3.801	34.154902	-118.31109	3	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	14.8	14.85	34.156963	-118.3792	2.81	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	14.89	14.91	34.158359	-118.37982	0.62	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	14.97	15	34.159757	-118.38044	4.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	15.798	15.798	34.170194	-118.38607	3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	S	16	16.01	34.172262	-118.3891	1.03	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	16.03	16.16	34.173116	-118.39038	4.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	16.25	16.35	34.176353	-118.39365	2.33	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	S	17.21	17.21	34.186135	-118.40218	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	S	17.23	17.26	34.187408	-118.40156	3.44	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	17.36	17.49	34.188825	-118.40177	2.88	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	S	17.55	17.59	34.191665	-118.40215	1.45	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	170	N	17.81	17.9	34.195931	-118.40271	2.08	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5		9.126	9.126	34.267195	-118.48369	0.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	42.13	42.13	34.295397	-118.47256	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	42.13	42.13	34.296755	-118.47375	1.55	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5		42.887	42.887	34.305919	-118.48214	0.96	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5		43.762	43.762	34.31378	-118.48867	1.45	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5		44.304	44.304	34.319875	-118.49434	0.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	44.92	44.92	34.324907	-118.50184	1.47	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	N	45.89	45.89	34.336999	-118.512	0.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	46	46	34.321364	-118.49851	0.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	46.08	46.08	34.337925	-118.5153	0.66	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	46.08	46.08	34.338284	-118.51598	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	46.12	46.12	34.338249	-118.51592	0.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	5	S	46.12	46.12	34.338771	-118.51692	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	17.51	17.51	34.164123	-118.47312	3.9	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	17.514	17.514	34.163717	-118.47353	8.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	19.2	19.2	34.170023	-118.50079	0.6	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	19.278	19.278	34.170274	-118.50195	0.6	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	19.52	19.52	34.171024	-118.50606	1	0.05	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		19.6	19.6	34.17118	-118.50745	0.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	20.854	20.854	34.171442	-118.52928	0.9	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		21.201	21.201	34.173074	-118.53496	3.7	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		21.3	21.3	34.173283	-118.53667	1.3	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	23.043	23.043	34.17283	-118.56697	0.8	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	23.155	23.155	34.172423	-118.56886	1.9	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	23.169	23.169	34.172376	-118.56909	0.9	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		23.502	23.502	34.170862	-118.57456	2.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		23.598	23.598	34.170256	-118.57616	3.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		23.802	23.802	34.169047	-118.57936	2.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	24.074	24.074	34.168307	-118.58396	2	0.8	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	24.338	24.338	34.168566	-118.58841	0.2	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		24.499	24.499	34.168501	-118.59127	1.6	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		24.699	24.699	34.169028	-118.5947	1.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		25.101	25.101	34.170083	-118.60155	3.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	25.135	25.135	34.169985	-118.60219	3.4	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	25.156	25.156	34.170454	-118.60251	2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	118		1.579	1.579	34.277683	-118.60859	3.06	0.81	unknown	unknown
Biofiltration Swale	7	LA	4	5	118		2.695	2.695	34.273487	-118.5902	2.49	1.56	unknown	unknown
Biofiltration Swale	7	LA	4	5	118		9.126	9.126	34.267195	-118.48369	3.36	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	210	W	0.163	0.163	34.31787	-118.48811	0.57	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	210	E	0.34	0.34	34.318005	-118.48542	0.69	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	405	S	37.8	37.8	34.136903	-118.47153	21.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	405	S	38.3	38.3	34.144179	-118.47125	10.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	405		42.101	42.101	34.197161	-118.47426	5.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	405		43.4	43.4	34.215959	-118.47325	9.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	405		44.8	44.8	34.236283	-118.47304	4.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	91	E	9.49	9.49	33.87387	-118.23035	2.19	0.32	unknown	unknown
Biofiltration Swale	7	LA	4	6	91	E	10.25	10.25	33.872573	-118.21728	3.68	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	91	W	10.329	10.329	33.873466	-118.2158	0.73	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	6	104	E	9.74	9.74	33.928045	-118.24005	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	8.31	8.31	33.926969	-118.26453	8.04	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	8.46	8.46	33.926999	-118.26189	12.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	9.21	9.21	33.929	-118.24918	1.78	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	9.64	9.64	33.92882	-118.2418	1.01	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	9.7	9.7	33.928079	-118.24077	2.29	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	9.74	9.74	33.927363	-118.24004	1	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	10.07	10.07	33.928362	-118.23432	0.74	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	10.07	10.07	33.928836	-118.234	0.74	0.07	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	10.12	10.12	33.928337	-118.23348	0.53	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	10.12	10.12	33.928736	-118.23328	0.53	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	10.97	10.97	33.928604	-118.21926	1.01	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.02	11.02	33.928867	-118.21822	1.48	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	11.07	11.07	33.92797	-118.2177	0.65	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.2	11.2	33.92732	-118.21458	1.46	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.25	11.25	33.927246	-118.21441	1.45	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.26	11.26	33.927189	-118.21425	0.51	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.3	11.3	33.92688	-118.21349	0.53	0.36	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.42	11.42	33.926105	-118.21176	2.51	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.56	11.56	33.925156	-118.20974	0.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	11.638	11.638	33.923898	-118.20888	0.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	11.64	11.64	33.923917	-118.20891	1.01	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	11.65	11.65	33.923876	-118.20878	2.16	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.77	11.77	33.923829	-118.20643	1.13	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.83	11.83	33.923342	-118.20561	0.61	unknown	unknown	unknown

Biofiltration Swale	7	LA	4	6	105	W	11.9	11.9	33.922843	-118.20455	0.56	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	11.94	11.94	33.92259	-118.20397	1.77	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	12.07	12.07	33.921262	-118.20248	0.77	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	12.08	12.08	33.92091	-118.20206	7.14	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	12.28	12.28	33.919491	-118.1988	7.78	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	W	12.29	12.29	33.920234	-118.19861	0.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	12.3	12.3	33.919644	-118.19872	0.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	105	E	12.35	12.35	33.919257	-118.19796	0.72	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	110		13.809	13.809	33.928681	-118.28055	3.19	2.14	unknown	unknown
Biofiltration Swale	7	LA	4	7	5	S	8.42	8.42	33.958531	-118.1131	1.44	0.12	unknown	unknown
Biofiltration Swale	7	LA	4	7	5	N	8.53	8.53	33.960012	-118.11433	1.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	5	N	8.89	8.89	33.963752	-118.11921	0.62	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	7	5	N	8.93	8.93	33.964223	-118.11913	1.39	0.54	unknown	unknown
Biofiltration Swale	7	LA	4	7	5	S	8.96	8.96	33.963716	-118.12036	0.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	E	24.009	24.009	34.071385	-118.12265	1.13	0.79	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	W	24.867	24.867	34.072259	-118.10771	0.68	0.48	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	W	25.299	25.299	34.072294	-118.10017	1.62	1.36	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	E	25.36	25.36	34.071664	-118.09911	0.9	0.48	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	E	25.419	25.419	34.071594	-118.09808	1.67	0.69	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	W	25.427	25.427	34.072274	-118.09794	2	0.83	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	E	26.83	26.83	34.071941	-118.07348	1.18	0.37	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	E	26.837	26.837	34.071893	-118.07337	0.07	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	10	W	27.48	27.48	34.072698	-118.06227	2.05	0.25	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	3.424	3.424	34.042527	-118.06383	0.65	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	4.36	4.36	34.03546	-118.15144	0.33	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	4.51	4.51	34.035003	-118.14883	0.4	1.57	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	7.02	7.02	34.034931	-118.10596	1.95	2.5	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	7.608	7.608	34.035318	-118.09572	2.67	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	7.61	7.61	34.035321	-118.09573	2.67	0.54	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	7.61	7.61	34.035699	-118.09572	2.67	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	7.877	7.877	34.036741	-118.09128	0.69	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	7.88	7.88	34.036466	-118.09114	0.69	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	7.88	7.88	34.036733	-118.09125	0.69	0.47	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	8.49	8.49	34.038765	-118.08144	0.65	1.02	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.17	9.17	34.041049	-118.07015	5.62	4.93	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.53	9.53	34.041021	-118.0639	0.56	0.19	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.531	9.531	34.041128	-118.06391	0.75	0.19	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.539	9.539	34.041444	-118.06376	1.51	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.54	9.54	34.041588	-118.06378	1.18	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.59	9.59	34.041556	-118.06285	1.93	1.08	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.598	9.598	34.041628	-118.06272	3.01	1.08	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.609	9.609	34.041501	-118.06252	0.62	0.25	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.661	9.661	34.041127	-118.06167	2.44	0.59	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.867	9.867	34.040838	-118.05807	0.88	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.869	9.869	34.040679	-118.05817	1.31	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.87	9.87	34.040606	-118.05822	0.55	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.87	9.87	34.040621	-118.05815	1.18	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.87	9.87	34.040626	-118.05817	0.66	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	9.872	9.872	34.040691	-118.05812	0.79	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	9.945	9.945	34.040631	-118.05687	1.05	0.26	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.084	10.084	34.040192	-118.05431	1.08	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.13	10.13	34.039729	-118.05378	0.93	1.17	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	10.214	10.214	34.039967	-118.05203	0.61	0.18	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.304	10.304	34.039422	-118.05078	2.1	1.17	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	10.318	10.318	34.039738	-118.05027	1.61	0.37	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	10.388	10.388	34.039469	-118.04913	0.99	0.32	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	W	10.39	10.39	34.039552	-118.04918	0.67	0.32	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.597	10.597	34.038445	-118.04572	0.87	0.27	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.598	10.598	34.038438	-118.0457	0.88	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.598	10.598	34.038526	-118.04566	1.12	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.598	10.598	34.038535	-118.04565	2.87	0.49	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.598	10.598	34.038539	-118.04565	1.14	0.27	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.599	10.599	34.038434	-118.04567	2.44	0.65	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.599	10.599	34.038536	-118.04564	3.09	0.65	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.6	10.6	34.038435	-118.0457	2.38	0.49	unknown	unknown
Biofiltration Swale	7	LA	4	7	60	E	10.97	10.97	34.037303	-118.0394	0.37	0.39	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	S	2.899	2.899	34.034866	-118.06472	1.37	0.41	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	S	2.999	2.999	34.036293	-118.06442	0.4	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	N	3	3	34.036284	-118.06421	0.88	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	N	3.101	3.101	34.037768	-118.06416	0.46	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	S	3.199	3.199	34.039237	-118.0644	1.86	0.49	unknown	unknown
Biofiltration Swale	7	LA	4	7	164	N	3.2	3.2	34.039229	-118.06409	0.64	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	25.31	25.31	34.151433	-118.14993	1.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	29.84	29.84	34.148718	-118.06726	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	30.64	30.64	34.149268	-118.05337	1.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	30.77	30.77	34.149305	-118.05112	1.18	0.57	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	30.94	30.94	34.14923	-118.04748	1.14	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	31.6	31.6	34.148159	-118.03702	1.13	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	31.8	31.8	34.148104	-118.03324	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	32.01	32.01	34.139628	-118.01545	2.07	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	32.83	32.83	34.140843	-118.01621	0.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	32.908	32.908	34.140316	-118.01667	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	33.273	33.273	34.137172	-118.01173	2.36	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	35.71	35.71	34.135379	-117.9696	0.86	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	35.71	35.71	34.135403	-117.9696	0.81	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	E	35.71	35.71	34.13541	-117.96959	1.54	0.19	unknown	unknown
Biofiltration Swale	7	LA	4	7	210	W	35.71	35.71	34.135825	-117.96967	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	605	S	24.618	24.618	34.117126	-117.97512	6.4	6.99	unknown	unknown
Biofiltration Swale	7	LA	4	7	605	S	24.785	24.785	34.117391	-117.97468	4.85	6.53	unknown	unknown
Biofiltration Swale	7	LA	4	7	710	S	31.681	31.681	34.134519	-118.15548	0.99	0.09	unknown	unknown
Biofiltration Swale	7	LA	4	7	710	N	31.907	31.907	34.137876	-118.15425	208.67	116.08	unknown	unknown
Biofiltration Swale	7	LA	4	8	2	S	44.5	44.5	34.274157	-118.01468	0.27	0.11	unknown	unknown
Biofiltration Swale	7	LA	4	8	2	S	45.82	45.82	34.284966	-117.99729	0.39	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	19.7	19.7	34.20656	-118.20332	0.61	0.87	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	19.75	19.75	34.206143	-118.20136	0.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	19.75	19.75	34.206607	-118.20142	0.64	unknown	unknown	unknown

Biofiltration Swale	7	LA	4	8	210	W	19.75	19.75	34.206931	-118.19845	0.21	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	19.8	19.8	34.206855	-118.20156	0.63	0.46	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	W	19.998	19.998	34.206008	-118.19825	0.23	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	21.265	21.265	34.193811	-118.18257	0.91	0.54	unknown	unknown
Biofiltration Swale	7	LA	4	8	210	E	21.309	21.309	34.193406	-118.18193	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	2	N	18.76	18.76	34.146396	-118.22636	0.26	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	9	134	W	8.5	8.5	34.15107	-118.23405	2.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	134	E	8.6	8.6	34.149483	-118.23346	0.93	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	210		10.865	10.865	34.262466	-118.33245	1.69	0.04	unknown	unknown
Biofiltration Swale	7	LA	4	9	210		15.649	15.649	34.23114	-118.26592	1.11	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	9	210	E	16.9	16.9	34.222043	-118.24733	0.21	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	S	28.41	28.41	34.169409	-118.30415	0.23	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	N	28.41	28.41	34.170281	-118.30322	0.22	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	N	28.45	28.45	34.169449	-118.30421	0.18	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	S	28.45	28.45	34.17031	-118.30531	0.39	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	N	32.123	32.123	34.209978	-118.34543	2.17	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	5	S	34.253	34.253	34.225377	-118.37548	1.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	6.62	6.62	34.281305	-118.39988	0.94	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	7.515	7.515	34.27665	-118.38616	1.76	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	7.757	7.757	34.275652	-118.38202	0.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	8.381	8.381	34.27419	-118.3714	3.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	E	8.591	8.591	34.273408	-118.36778	1.05	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	E	9.368	9.368	34.272091	-118.35436	0.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	9.372	9.372	34.272601	-118.3542	0.33	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	E	9.479	9.479	34.271845	-118.35245	0.53	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210	W	9.48	9.48	34.272372	-118.35232	0.32	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	210		14.107	14.107	34.234989	-118.29236	2	0.26	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	N	37.4	37.4	34.244546	-118.42222	2.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	N	38.46	38.46	34.255971	-118.43431	0.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	S	38.54	38.54	34.256832	-118.43522	2.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5		40.049	40.049	34.274612	-118.45067	0.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	S	40.05	40.05	34.274612	-118.45067	0.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	S	41	41	34.284367	-118.45917	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	S	41	41	34.284653	-118.45954	2.84	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	S	41.22	41.22	34.285282	-118.45966	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	5	N	41.22	41.22	34.286656	-118.46189	1.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	101	S	12.534	12.534	34.154179	-118.39074	2.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	101	S	12.635	12.635	34.154273	-118.39251	3.06	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	170	S	19.8	19.8	34.222988	-118.41051	1.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	170	S	19.83	19.83	34.22196	-118.41064	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	0.699	0.699	34.322029	-118.48149	0.22	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	W	0.834	0.834	34.323213	-118.47967	0.56	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	0.958	0.958	34.322863	-118.47741	0.56	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	1.098	1.098	34.322923	-118.47497	1.02	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	W	1.458	1.458	34.323781	-118.46873	1.14	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	1.77	1.77	34.323452	-118.46325	0.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	1.893	1.893	34.323329	-118.46115	0.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	2.421	2.421	34.323385	-118.45205	1.38	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	3.067	3.067	34.318399	-118.44286	0.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	3.247	3.247	34.31661	-118.44057	0.75	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	3.316	3.316	34.315925	-118.43968	0.17	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	3.537	3.537	34.313745	-118.43687	0.86	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	W	4.232	4.232	34.307148	-118.42778	0.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	4.887	4.887	34.299786	-118.42035	0.63	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	W	5.097	5.097	34.297949	-118.41747	0.59	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	E	5.975	5.975	34.287892	-118.40775	0.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	210	W	14.211	14.211	34.285726	-118.40451	0.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	405		45.498	45.498	34.246437	-118.47282	3.9	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	405		46.4	46.4	34.259464	-118.47222	5.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	12	118		3.145	3.145	34.273411	-118.58243	1.24	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	12	118		3.328	3.328	34.273453	-118.57903	1.68	0.29	unknown	unknown
Biofiltration Swale	7	LA	4	12	118		3.348	3.348	34.27346	-118.57868	1.05	0.12	unknown	unknown
Biofiltration Swale	7	LA	4	12	118		5.498	5.498	34.274468	-118.54152	1.1	0.39	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	S	25.455	25.455	34.170518	-118.60757	2.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		25.899	25.899	34.167754	-118.61437	0.6	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		26.801	26.801	34.162627	-118.62876	4.9	2.3	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		26.901	26.901	34.16204	-118.63035	0.9	0.4	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	N	27.039	27.039	34.161406	-118.63262	2.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	N	27.19	27.19	34.160656	-118.63506	1.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		27.198	27.198	34.160279	-118.63515	1.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	S	27.262	27.262	34.159594	-118.63595	0.2	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	S	27.391	27.391	34.159397	-118.63821	0.6	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	N	27.404	27.404	34.158915	-118.63827	0.8	0.3	unknown	unknown
Biofiltration Swale	7	LA	4	14	101	S	27.6	27.6	34.15795	-118.64145	0.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		28.299	28.299	34.15328	-118.6523	2.9	0.9	unknown	unknown
Biofiltration Swale	7	LA	4	14	101		28.401	28.401	34.152677	-118.65391	1.2	0.3	unknown	unknown
Delaware Sand Filter	7	LA	4	2	91	W	11.067	11.067	33.872696	-118.20301	0.72	0.51	unknown	unknown
Delaware Sand Filter	7	LA	4	3	10	W	22.34	22.34	34.068921	-118.15092	1.66	0.61	unknown	unknown
Delaware Sand Filter	7	LA	4	6	91	E	10.067	10.067	33.873719	-118.2203	1.42	2.05	unknown	unknown
Delaware Sand Filter	7	LA	4	6	91	E	10.187	10.187	33.873548	-118.21839	1.94	2.54	unknown	unknown
Delaware Sand Filter	7	LA	4	7	10	E	26.9	26.9	34.071946	-118.07228	1.26	0.42	unknown	unknown
Delaware Sand Filter	7	LA	4	7	60	E	10.95	10.95	34.037365	-118.03969	1.22	unknown	unknown	unknown
Detention Basin	7	LA	4	2	710	S	15.66	15.66	33.912363	-118.18014	unknown	unknown	unknown	unknown
Detention Basin	7	LA	4	2	710	N	17.019	17.019	33.931198	-118.17807	3.54	unknown	unknown	unknown
Detention Basin	7	LA	4	3	710	N	21.9	21.9	33.997335	-118.1768	unknown	unknown	unknown	unknown
Detention Basin	7	LA	4	3	710	N	23.36	23.36	34.018588	-118.17288	2.35	1.54	unknown	unknown
Detention Basin	7	LA	4	4	5	N	27.4	28.1	34.164778	-118.29547	2.85	unknown	unknown	unknown
Detention Basin	7	LA	4	4	5	S	27.82	27.82	34.163784	-118.29639	1.96	unknown	unknown	unknown
Detention Basin	7	LA	4	5	118		2.635	2.635	34.273536	-118.59125	4.94	unknown	unknown	unknown
Detention Basin	7	LA	4	5	118		7.709	7.709	34.278039	-118.50373	2.07	unknown	unknown	unknown
Detention Basin	7	LA	4	6	105	E	10.1	10.1	33.927692	-118.23382	4.59	unknown	unknown	unknown
Detention Basin	7	LA	4	6	110	N	15.939	15.939	33.959569	-118.2805	4.04	0.3	unknown	unknown
Detention Basin	7	LA	4	7	5	S	8.72	8.72	33.961568	-118.11643	1.6	unknown	unknown	unknown
Detention Basin	7	LA	4	7	5	S	9.39	9.39	33.97041	-118.123	6.67	0.17	unknown	unknown
Detention Basin	7	LA	4	10	5	S	28.41	28.41	34.169422	-118.30409	5.4	unknown	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	1	405	S	6.2	6.2	33.81603	-118.18695	unknown	3.05	unknown	unknown

DPP (Design Pollution Prevention)	7	LA	4	3	5	N	16.101	16.101	34.02723	-118.21024	unknown	0.4	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	10	W	18.014	18.014	34.029655	-118.22501	unknown	0.15	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	60	E	0.413	0.413	34.029106	-118.21828	unknown	0.63	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	710	N	23.3	25.6	34.016558	-118.17299	unknown	36.82	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	3	710	N	24.401	24.401	34.032363	-118.17037	unknown	28.73	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	4	170	N	16.626	16.626	34.179237	-118.39508	unknown	0.32	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	5	118	N	8.992	8.992	34.268306	-118.48544	unknown	0.48	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	6	105	E	7.798	7.798	33.928004	-118.27349	unknown	15	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	7	605	N	24.578	24.578	34.117023	-117.97529	7.41	3.05	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	11.1	11.1	33.872676	-118.20251	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	11.22	11.22	33.873328	-118.2003	5.28	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.1	12.1	33.876798	-118.18613	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.15	12.15	33.876803	-118.18527	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.26	12.26	33.876486	-118.18348	0.95	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.27	12.27	33.876488	-118.18307	3.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.3	12.3	33.87683	-118.18271	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.35	12.35	33.876538	-118.18163	1.67	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.5	12.5	33.87685	-118.17923	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.54	12.54	33.877218	-118.17847	1.34	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.55	12.55	33.876854	-118.17836	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.56	12.56	33.877217	-118.17807	1.34	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.6	12.6	33.876858	-118.17748	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.6	12.6	33.876858	-118.17748	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.61	12.61	33.876554	-118.17721	1.18	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	12.62	12.62	33.877234	-118.17717	1.18	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.8	12.8	33.876877	-118.174	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.85	12.85	33.876551	-118.17322	2.76	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.85	12.85	33.876842	-118.17316	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	12.92	12.92	33.876382	-118.17197	1.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	13.4	13.4	33.876035	-118.16368	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	13.46	13.46	33.87638	-118.1627	1.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	E	13.8	13.8	33.876786	-118.1568	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.41	12.41	33.919464	-118.19658	1.43	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.44	12.44	33.918478	-118.19643	1.72	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.5	12.5	33.918523	-118.19547	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.5	12.5	33.918523	-118.19547	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.53	12.53	33.918615	-118.19466	1.08	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.54	12.54	33.917876	-118.19499	1.27	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.6	12.6	33.917818	-118.19385	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.6	12.6	33.917818	-118.19385	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.62	12.62	33.918003	-118.19323	1.24	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.63	12.63	33.917215	-118.1935	0.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.65	12.65	33.91748	-118.1931	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	12.7	12.7	33.917155	-118.19236	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.72	12.72	33.917302	-118.19162	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	12.76	12.76	33.916347	-118.19158	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	13.1	13.1	33.914842	-118.18595	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	E	13.15	13.15	33.914156	-118.18505	0.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	105	W	13.66	13.66	33.912116	-118.17676	1.22	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	5	S	16.2	16.2	34.027918	-118.21177	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	5	S	18.42	18.42	34.054461	-118.21444	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	W	18.408	18.408	34.055492	-118.21393	1.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	S	18.52	18.52	34.056115	-118.21457	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	10	E	20.83	20.83	34.059991	-118.17342	0.52	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	60	E	2.7	2.7	34.033906	-118.17963	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	60	E	4	4	34.036606	-118.15743	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	101	S	2.349	2.349	34.068544	-118.25884	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	101	S	16.346	16.346	34.02825	-118.21444	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	110	N	23	23	34.054656	-118.25731	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	110	N	23.11	23.11	34.055892	-118.25537	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	110	S	23.6	23.6	34.061299	-118.25031	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	110	S	23.61	23.61	34.061704	-118.25044	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	17.97	17.97	33.942877	-118.17099	0.87	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	17.99	17.99	33.943169	-118.17095	1.34	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	17.99	17.99	33.943169	-118.17095	0.49	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	22.49	22.49	34.005011	-118.17285	3.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	22.5	22.5	34.005317	-118.17277	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	22.6	22.6	34.006781	-118.17248	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	22.65	22.65	34.007482	-118.1724	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	23	23	34.012523	-118.17236	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	23.01	23.01	34.012669	-118.17236	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	23.02	23.02	34.012816	-118.17236	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	23.03	23.03	34.012962	-118.17236	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	23.1	23.1	34.013984	-118.17237	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	23.12	23.12	34.014274	-118.17236	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	23.2	23.2	34.015315	-118.17249	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	23.6	23.6	34.021133	-118.17332	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	N	23.61	23.61	34.021272	-118.17328	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	23.8	23.8	34.02394	-118.17251	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	25.61	25.61	34.049073	-118.16665	1.22	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	710	S	27.454	27.454	34.074542	-118.16167	8.75	4.01	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	E	15.4	15.4	34.106419	-118.2494	0.83	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	W	15.79	15.79	34.111619	-118.24758	0.57	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	N	16.78	16.78	34.11861	-118.23255	1.92	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	E	16.78	16.78	34.119002	-118.23289	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	W	17.02	17.02	34.121826	-118.23002	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	W	17.05	17.05	34.123061	-118.22934	4.11	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	W	17.05	17.05	34.125497	-118.22864	2.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	2	E	17.78	17.78	34.132389	-118.22909	5.99	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	22.58	22.58	34.102731	-118.25086	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	N	23.15	23.15	34.108261	-118.25802	3.11	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	27.61	27.61	34.162041	-118.29415	2.52	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	27.68	27.68	34.162868	-118.29492	1.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	28.07	28.07	34.166525	-118.29972	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	36.23	36.23	34.232243	-118.40776	0.79	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	4	101	S	10.5	10.5	34.138943	-118.36538	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	101	N	11.214	11.214	34.14798	-118.37124	4.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	101	S	12.423	12.423	34.154207	-118.3888	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	0.03	0.03	34.153432	-118.37576	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	0.049	0.049	34.153648	-118.37587	0.79	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	0.15	0.15	34.152978	-118.37372	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	0.189	0.189	34.152609	-118.37288	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	0.247	0.247	34.153317	-118.37235	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	0.25	0.25	34.152874	-118.37213	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	0.26	0.26	34.152879	-118.37198	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	0.299	0.299	34.153291	-118.37145	3.16	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	1.3	1.3	34.153011	-118.35391	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	1.36	1.36	34.152839	-118.35288	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	2.591	2.591	34.152828	-118.33184	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	W	2.6	2.6	34.152563	-118.33164	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	3	3	34.153923	-118.32493	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	3.087	3.087	34.153847	-118.32353	5.14	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	3.12	3.12	34.154334	-118.3229	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	3.219	3.219	34.154375	-118.32136	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	134	E	9.45	9.45	34.145057	-118.21835	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	14.865	14.865	34.158002	-118.37931	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	14.87	14.87	34.157961	-118.37965	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.41	15.41	34.165246	-118.38248	2.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.41	15.41	34.165414	-118.38291	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.55	15.55	34.167184	-118.38368	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.55	15.55	34.167484	-118.38328	1.18	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.59	15.59	34.167478	-118.38436	1.01	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.59	15.59	34.167718	-118.38394	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.73	15.73	34.16916	-118.38547	1.63	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.73	15.73	34.169442	-118.38523	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.82	15.82	34.170393	-118.38633	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.82	15.82	34.170768	-118.38589	0.76	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.95	15.95	34.171549	-118.38802	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	15.95	15.95	34.171903	-118.38799	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.98	15.98	34.171445	-118.38881	1.08	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	15.98	15.98	34.171813	-118.38842	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.05	16.05	34.172428	-118.38935	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.05	16.05	34.172831	-118.38905	0.79	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.14	16.14	34.173219	-118.39054	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.14	16.14	34.173549	-118.39035	0.66	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.19	16.19	34.173676	-118.3912	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.19	16.19	34.17412	-118.39114	1.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.23	16.23	34.174063	-118.39169	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.43	16.43	34.176436	-118.39369	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.43	16.43	34.17678	-118.39338	2.04	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.66	16.66	34.179642	-118.39529	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.66	16.66	34.179837	-118.39493	1.82	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.73	16.73	34.18054	-118.39588	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.73	16.73	34.180707	-118.39552	1.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.86	16.86	34.182032	-118.39726	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.86	16.86	34.182321	-118.39691	0.95	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.98	16.98	34.18321	-118.39872	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	16.98	16.98	34.183474	-118.39836	1.43	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.08	17.08	34.184245	-118.39989	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.08	17.08	34.184667	-118.39947	1.96	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.19	17.19	34.185622	-118.40091	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.19	17.19	34.185882	-118.4004	1.75	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.21	17.21	34.185891	-118.40106	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.21	17.21	34.186253	-118.40022	0.31	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.28	17.28	34.186888	-118.40143	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.28	17.28	34.187015	-118.40092	1.29	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.32	17.32	34.187453	-118.40157	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.32	17.32	34.18769	-118.40075	0.88	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.42	17.42	34.188894	-118.40178	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.42	17.42	34.189005	-118.40141	1.27	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.56	17.56	34.190926	-118.40205	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.56	17.56	34.190981	-118.40168	0.94	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	17.57	17.57	34.191071	-118.40207	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	17.57	17.57	34.191254	-118.40253	0.77	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	17.66	17.66	34.192375	-118.40224	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.66	17.66	34.192375	-118.40224	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	S	17.66	17.66	34.192414	-118.4026	1.2	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	170	N	17.66	17.66	34.192505	-118.40188	1.08	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.1	44.1	34.31969	-118.49641	2.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.3	44.3	34.320613	-118.49665	4.35	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.4	44.4	34.320619	-118.49664	2.57	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.43	44.43	34.320975	-118.4962	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.5	44.5	34.321535	-118.4972	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	44.9	44.9	34.32491	-118.50278	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	45.66	45.66	34.333901	-118.5056	1.68	2.18	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	S	45.662	45.662	34.334201	-118.50955	1.83	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	N	45.8	45.8	34.336736	-118.51155	0.86	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	N	45.91	45.91	34.337096	-118.5123	1.71	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	N	45.99	45.99	34.337948	-118.51344	1.07	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	5	N	45.99	45.99	34.338094	-118.51373	1.07	0.4	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.2	14.2	34.156753	-118.41925	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.262	14.262	34.1565	-118.42032	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.4	14.4	34.156595	-118.42272	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.526	14.526	34.155877	-118.42477	3.53	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.7	14.7	34.155637	-118.42772	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	14.779	14.779	34.155288	-118.42913	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	16.71	16.71	34.159767	-118.462	2.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	16.9	16.9	34.159309	-118.46529	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	17.5	17.5	34.164088	-118.47308	3.9	0.3	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	18.198	18.198	34.165061	-118.48515	4.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	18.407	18.407	34.165518	-118.48873	2.84	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	5	101	N	18.6	18.6	34.165359	-118.49207	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	19.5	19.5	34.17118	-118.5057	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	19.6	19.6	34.17118	-118.50745	0.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	20.574	20.574	34.171414	-118.52442	2.7	0.4	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	20.996	20.996	34.172093	-118.53153	4.5	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	22.6	22.6	34.173633	-118.55925	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	22.671	22.671	34.173858	-118.56053	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	23.138	23.138	34.172505	-118.56857	1.9	0.2	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	23.178	23.178	34.172359	-118.56926	0.9	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	24.081	24.081	34.168309	-118.58408	unknown	0.8	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	24.499	24.499	34.168501	-118.59127	1.6	0.7	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	S	24.699	24.699	34.169028	-118.5947	1.3	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	118		9.126	9.126	34.267195	-118.48369	3.36	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	405	S	40.285	40.285	34.172143	-118.46765	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	91	E	10.2	10.2	33.873525	-118.21805	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	91	E	10.25	10.25	33.872429	-118.21736	2.45	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	91	E	10.8	10.8	33.873509	-118.20753	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	91	E	10.84	10.84	33.873005	-118.20685	4.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	7	7	33.928224	-118.28753	1.13	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.01	8.01	33.927116	-118.27012	2.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.12	8.12	33.927139	-118.26794	1.19	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.2	8.2	33.927476	-118.26657	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.24	8.24	33.927476	-118.26588	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.25	8.25	33.927052	-118.26573	7.14	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.31	8.31	33.927027	-118.26463	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.43	8.43	33.927064	-118.26252	6.35	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.45	8.45	33.927474	-118.26226	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.47	8.47	33.927474	-118.26192	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.5	8.5	33.927474	-118.2614	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.59	8.59	33.927479	-118.25985	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.6	8.6	33.927483	-118.25968	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.67	8.67	33.927955	-118.25824	4.94	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.7	8.7	33.927591	-118.25799	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.74	8.74	33.928089	-118.25739	0.73	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.75	8.75	33.928153	-118.25705	1.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.84	8.84	33.928494	-118.25538	1.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	8.93	8.93	33.927812	-118.25408	0.97	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	8.94	8.94	33.928775	-118.25314	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9	9	33.928248	-118.2529	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.04	9.04	33.928856	-118.252	2.22	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.08	9.08	33.928923	-118.25127	1.9	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.09	9.09	33.928918	-118.25091	0.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.1	9.1	33.928472	-118.2512	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.15	9.15	33.928584	-118.25035	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.2	9.2	33.928338	-118.24892	8.31	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.2	9.2	33.928682	-118.24946	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.23	9.23	33.928738	-118.24872	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.3	9.3	33.928776	-118.24764	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.34	9.34	33.928344	-118.24663	0.83	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.5	9.5	33.928632	-118.24418	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.5	9.5	33.928632	-118.24418	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.54	9.54	33.928871	-118.24181	9.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.6	9.6	33.928527	-118.24245	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.7	9.7	33.928423	-118.24072	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	9.7	9.7	33.928799	-118.24081	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	9.71	9.71	33.92783	-118.24124	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	10.08	10.08	33.928372	-118.2335	19.85	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	10.97	10.97	33.928621	-118.2193	1.01	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.02	11.02	33.928855	-118.21818	1.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	11.07	11.07	33.927967	-118.21768	0.65	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.1	11.1	33.928247	-118.21676	0.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	11.14	11.14	33.927451	-118.21654	0.74	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.76	11.76	33.923859	-118.20645	2.47	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.8	11.8	33.923281	-118.20626	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.81	11.81	33.923407	-118.20562	1.82	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.85	11.85	33.922953	-118.20551	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.88	11.88	33.922996	-118.20468	0.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.89	11.89	33.922687	-118.20491	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	11.95	11.95	33.922286	-118.20399	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.96	11.96	33.922218	-118.20383	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	11.98	11.98	33.921623	-118.20362	0.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	11.98	11.98	33.922331	-118.2032	1.07	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12	12	33.921942	-118.20321	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	12	12	33.921942	-118.20321	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.08	12.08	33.920936	-118.20196	1.82	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	12.08	12.08	33.921657	-118.20161	1.65	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	12.25	12.25	33.920241	-118.19936	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	12.25	12.25	33.920478	-118.19893	0.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.28	12.28	33.919601	-118.19888	0.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.3	12.3	33.919898	-118.19858	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	W	12.3	12.3	33.919898	-118.19858	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.35	12.35	33.919556	-118.19779	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.36	12.36	33.919099	-118.19772	1.03	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	105	E	12.4	12.4	33.919214	-118.19701	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	14.85	14.85	33.943839	-118.27969	2.67	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	S	15.08	15.08	33.947167	-118.27975	4.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	15.189	15.189	33.948786	-118.27935	5.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	150	E	8.46	8.46	33.927068	-118.26185	2.31	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	10	E	27.16	27.16	34.071983	-118.06778	2.04	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	10	W	27.35	27.35	34.072348	-118.06444	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	10	W	29.59	29.59	34.068396	-118.02654	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	10	E	29.94	29.94	34.067191	-118.02065	1.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	4.17	4.17	34.036209	-118.15455	0.76	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	4.4	4.4	34.035501	-118.15068	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	4.8	4.8	34.033089	-118.14438	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	4.9	4.9	34.033008	-118.14263	unknown	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	7	60	W	4.91	4.91	34.033009	-118.14246	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.2	5.2	34.033062	-118.1374	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.21	5.21	34.033064	-118.13722	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.3	5.3	34.033072	-118.13564	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.7	5.7	34.03315	-118.12867	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	5.71	5.71	34.033152	-118.12849	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.8	5.8	34.033174	-118.12693	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	5.81	5.81	34.033177	-118.12675	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.82	5.82	34.033179	-118.12658	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	5.83	5.83	34.033182	-118.1264	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.84	5.84	34.033184	-118.12623	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	5.85	5.85	34.033187	-118.12606	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	5.9	5.9	34.0332	-118.12519	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	5.91	5.91	34.033202	-118.12501	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	6.04	6.04	34.033479	-118.12276	0.93	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	6.05	6.05	34.033001	-118.12259	0.92	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	6.14	6.14	34.033026	-118.121	1.43	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	E	6.34	6.34	34.033066	-118.11752	0.9	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	60	W	6.6	6.6	34.033348	-118.11302	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	210	W	32.492	32.492	34.143939	-118.02267	1.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	210	W	33.013	33.013	34.139212	-118.01538	1.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	210	E	34.94	34.94	34.135324	-117.98302	1.27	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	605	S	24.196	24.196	34.115746	-117.97704	0.59	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	605	S	24.196	24.196	34.115746	-117.97704	3.07	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	605	S	24.196	24.196	34.115746	-117.97704	0.96	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	605	S	24.196	24.196	34.115746	-117.97704	0.61	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	710	M	19.7	19.7	34.140037	-118.15483	218.5	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	7	710	N	32.187	32.187	34.1419	-118.15464	208.67	116.08	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.73	22.73	34.178695	-118.16605	0.89	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.73	22.73	34.178969	-118.1659	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.79	22.79	34.178083	-118.16531	1.49	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.79	22.79	34.178405	-118.16511	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.81	22.81	34.178215	-118.16485	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.81	22.81	34.178384	-118.16454	0.38	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.84	22.84	34.177609	-118.16459	0.24	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.84	22.84	34.177928	-118.16446	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.88	22.88	34.177545	-118.16393	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.88	22.88	34.177744	-118.16355	0.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.89	22.89	34.176683	-118.16347	0.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.89	22.89	34.177447	-118.1638	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.92	22.92	34.177156	-118.16341	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	22.92	22.92	34.177335	-118.16304	0.34	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.93	22.93	34.17625	-118.16293	0.44	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	22.93	22.93	34.17706	-118.16328	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	23.01	23.01	34.175912	-118.16252	0.79	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	23.01	23.01	34.176297	-118.16223	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	23.46	23.46	34.171048	-118.15794	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	23.46	23.46	34.172304	-118.15886	0.92	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	23.73	23.73	34.167108	-118.15802	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.77	23.77	34.166126	-118.15772	1.02	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.77	23.77	34.166534	-118.15806	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.84	23.84	34.165427	-118.15769	1.01	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.84	23.84	34.165532	-118.15815	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.88	23.88	34.164809	-118.15774	0.34	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	W	23.88	23.88	34.16495	-118.1582	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	8	210	E	38.16	38.16	34.167165	-118.15843	0.44	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	E	18.47	18.47	34.141786	-118.22721	2.12	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	W	18.56	18.56	34.143071	-118.22796	0.75	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	E	18.57	18.57	34.143061	-118.22664	1.45	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	E	19.07	19.07	34.150105	-118.22438	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	W	19.21	19.21	34.152638	-118.22544	7.23	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	W	20.48	20.48	34.170249	-118.22351	3.13	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	W	21.46	21.46	34.183759	-118.21788	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	2	S	21.46	21.46	34.183835	-118.21896	8.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	6.061	6.061	34.153802	-118.27324	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	6.1	6.1	34.154456	-118.27271	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	6.199	6.199	34.154519	-118.27096	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	W	6.4	6.4	34.155597	-118.26772	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	W	6.475	6.475	34.156279	-118.26652	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	8	8	34.154974	-118.24022	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	8.2	8.2	34.153033	-118.23748	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	W	8.3	8.3	34.152053	-118.23616	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	8.303	8.303	34.151714	-118.23633	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	W	8.449	8.449	34.151002	-118.23409	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	8.5	8.5	34.150225	-118.23363	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	8.573	8.573	34.149329	-118.23263	2.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	9.2	9.2	34.145722	-118.22267	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	9.25	9.25	34.145547	-118.2218	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	9.34	9.34	34.145287	-118.22026	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	9.43	9.43	34.14509	-118.2187	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	134	E	10.1	10.1	34.145507	-118.20705	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	210		10.505	10.505	34.266663	-118.33649	1.55	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	10	5	N	32.137	32.137	34.210117	-118.3456	2.17	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	10	5	N	32.81	32.81	34.216956	-118.35378	1.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	10	5	S	34.321	34.321	34.226057	-118.37634	3.99	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	10	210	W	8.6	8.6	34.273694	-118.36767	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	10	210	E	9.082	9.082	34.273049	-118.35925	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	S	39.749	39.749	34.270687	-118.44811	2.47	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	S	39.749	39.749	34.270936	-118.44781	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	N	39.805	39.805	34.271862	-118.448	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	N	39.807	39.807	34.271637	-118.44837	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	S	40.129	40.129	34.275201	-118.45187	2.47	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	S	40.132	40.132	34.275516	-118.45159	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	5	S	40.358	40.358	34.277306	-118.45485	0.79	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	101	S	12.545	12.545	34.154167	-118.39093	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	101	S	12.6	12.6	34.154443	-118.39189	unknown	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	11	101	S	12.727	12.727	34.154084	-118.3941	0.78	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	170	N	19.88	19.88	34.223683	-118.4107	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	170	N	19.92	19.92	34.224251	-118.41084	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	170	N	19.92	19.92	34.224397	-118.41056	1.71	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	210	E	1.858	1.858	34.323599	-118.46174	2.42	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	210	E	3.536	3.536	34.313767	-118.43687	0.86	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	11	210	E	6.618	6.618	34.280843	-118.40044	0.94	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	25.402	25.402	34.170801	-118.60669	1	0.6	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	25.402	25.402	34.170801	-118.60669	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	25.402	25.402	34.170801	-118.60669	1	0.6	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	25.899	25.899	34.167754	-118.61437	0.6	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	25.95	25.95	34.167325	-118.61506	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.002	26.002	34.167207	-118.61597	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.036	26.036	34.167027	-118.6165	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.4	26.4	34.164844	-118.62234	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.479	26.479	34.164715	-118.62371	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.801	26.801	34.162627	-118.62876	4.9	2.3	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	26.901	26.901	34.16204	-118.63035	0.9	0.4	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	27.198	27.198	34.160279	-118.63515	1.3	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	27.398	27.398	34.15911	-118.63833	0.8	0.2	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	27.398	27.398	34.15911	-118.63833	1.1	0.3	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	27.398	27.398	34.15911	-118.63833	1.1	0.3	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	28.001	28.001	34.155292	-118.64767	1	0.2	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	28.299	28.299	34.15328	-118.6523	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	28.601	28.601	34.151703	-118.65722	0.5	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	14	101	N	28.8	28.8	34.150758	-118.66054	2.7	0.5	unknown	unknown
Infiltration Basin	7	LA	4	2	710	N	17.191	17.191	33.933708	-118.17757	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	710	N	22.07	22.07	33.999475	-118.17565	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	710	N	22.073	22.073	33.999273	-118.17522	3.81	unknown	unknown	unknown
Infiltration Basin	7	LA	4	4	5	N	23.813	23.813	34.113581	-118.26735	2.5	unknown	unknown	unknown
Infiltration Basin	7	LA	4	4	101	S	10.5	10.5	34.139067	-118.36545	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	7	5	N	9.14	9.14	33.966988	-118.12109	1.4	unknown	unknown	unknown
Infiltration Basin	7	LA	4	7	5	S	9.18	9.18	33.967163	-118.12192	0.7	unknown	unknown	unknown
Infiltration Basin	7	LA	4	7	10	E	28	28	34.072081	-118.05339	5.01	1.7	unknown	unknown
Infiltration Basin	7	LA	4	7	60	E	4.3	4.3	34.03581	-118.15238	4.06	2.3	unknown	unknown
Infiltration Basin	7	LA	4	7	210	E	32.847	32.847	34.140714	-118.01776	4.59	unknown	unknown	unknown
Infiltration Basin	7	LA	4	9	210	E	15.9	15.9	34.22982	-118.26391	1.44	unknown	unknown	unknown
Infiltration Basin	7	LA	4	11	5	N	37.99	37.99	34.250909	-118.42895	2.1	unknown	unknown	unknown
Infiltration Basin	7	LA	4	11	5	S	38.54	38.54	34.256832	-118.43522	2.8	unknown	unknown	unknown
Infiltration Trench	7	LA	4	7	210	W	35.05	35.05	34.13584	-117.97889	0.93	unknown	unknown	unknown
Infiltration Trench	7	LA	4	8	210		23.147	23.147	34.181155	-118.16777	1.7	unknown	unknown	unknown
Multi-Chambered Treatment Train	7	LA	4	4	5		22.545	22.545	34.102485	-118.24991	unknown	unknown	unknown	unknown
Other	7	LA	4	1	405		8.1	8.1	33.825348	-118.21606	unknown	unknown	unknown	unknown
Other	7	LA	4	3	10		17	17	34.02396	-118.24113	unknown	unknown	unknown	unknown
Other	7	LA	4	3	10	E	17.024	17.024	34.023469	-118.24151	0.8	unknown	unknown	unknown
Other	7	LA	4	3	101	S	0.2	0.2	34.0372	-118.22204	0.66	unknown	unknown	unknown
Other	7	LA	4	4	5	S	22.429	22.429	34.101348	-118.24997	4.6	unknown	unknown	unknown
Other	7	LA	4	4	101		11.2	11.2	34.147585	-118.37126	unknown	unknown	unknown	unknown
Other	7	LA	4	4	134		0.346	0.346	34.15295	-118.37055	unknown	unknown	unknown	unknown
Other	7	LA	4	5	27	N	9.614	9.614	34.140939	-118.60578	0.11	0.03	unknown	unknown
Other	7	LA	4	5	405	S	42.59	42.59	34.204233	-118.47336	unknown	unknown	unknown	unknown
Other	7	LA	4	10	210	W	8.53	8.53	34.27377	-118.36893	unknown	unknown	unknown	unknown
Other	7	LA	4	11	210	W	6.3	6.3	34.284561	-118.40382	unknown	unknown	unknown	unknown

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Treatment BMP List - Los Cerritos Metals TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	91	E	14.56	14.56	33.876814	-118.144049	1.16	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	91	E	14.56	14.56	33.877124	-118.143616	1.14	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	91	W	14.68	14.68	33.877147	-118.141524	1.19	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	91	W	14.69	14.69	33.877760	-118.141287	1.83	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	1	91	W	14.73	14.73	33.877157	-118.140658	1.54	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	91	W	14.14	14.14	33.877586	-118.150938	1.53	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	91	W	14.18	14.18	33.877340	-118.150255	0.55	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	1	91	W	14.51	14.51	33.877443	-118.144501	6.58	6.18	unknown	unknown
Biofiltration Swale	7	LA	4	1	91	E	14.61	14.61	33.876667	-118.142923	0.92	0.48	unknown	unknown
Biofiltration Swale	7	LA	4	1	91	E	14.61	14.61	33.877132	-118.142742	0.28	0.44	unknown	unknown
Biofiltration Swale	7	LA	4	1	91	E	15.69	15.69	33.875934	-118.124894	1.24	0.16	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	0.60	0.60	33.791689	-118.100936	6.20	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	1.00	1.00	33.795587	-118.106102	1.52	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	1.62	1.62	33.801181	-118.114353	1.75	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	N	1.85	1.85	33.802977	-118.117887	2.15	0.07	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	N	2.02	2.02	33.803077	-118.120822	2.63	1.95	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	3.94	3.94	33.807690	-118.153125	0.88	0.02	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	5.03	5.03	33.813959	-118.170209	0.89	0.48	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	5.12	5.12	33.813861	-118.171700	25.80	3.20	unknown	unknown
Biofiltration Swale	7	LA	4	1	405	S	5.41	5.41	33.813951	-118.176736	14.00	1.60	unknown	unknown
Detention Basin	7	LA	4	1	91	W	14.68	14.68	33.877753	-118.141991	1.96	0.51	unknown	unknown
Detention Basin	7	LA	4	1	405	S	5.43	5.43	33.813758	-118.177008	12.40	1.60	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	1	91	E	15.69	15.69	33.876187	-118.124132	unknown	0.19	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	91	E	13.88	13.88	33.876671	-118.155363	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	91	W	14.25	14.25	33.877530	-118.148965	2.66	1.35	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	91	W	14.28	14.28	33.877438	-118.148534	1.50	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	91	E	15.95	15.95	33.875912	-118.119610	0.52	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	91	E	15.95	15.95	33.876228	-118.119590	0.53	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	91	E	16.08	16.08	33.875959	-118.117692	0.65	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	91	E	16.08	16.08	33.876317	-118.117326	0.75	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	91	E	16.20	16.20	33.876276	-118.115186	2.29	unknown	unknown	unknown
Other	7	LA	4	1	91	W	15.43	15.43	33.876168	-118.128623	unknown	unknown	unknown	unknown

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Treatment BMP List - Lost River Nitrogen, Biochemical Oxygen Demand, and pH TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Infiltration Basin	2	SIS	1	1	161	W	14.90	14.90	41.998979	-121.605919	unknown	unknown	unknown	unknown
Traction Sand Trap	2	MOD	1	2	139		44.90	44.90	41.885457	-121.375011	unknown	unknown	unknown	unknown

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Treatment BMP List - Lower Eel River - Temperature and Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Machado Lake Eutrophic, Algae, Ammonia, and Odors (Nutrients) TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	110	S	5.37	5.37	33.809810	-118.288094	3.04	1.19	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	N	3.84	3.84	33.787216	-118.280825	0.49	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	N	3.92	3.92	33.788353	-118.280814	0.68	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	S	4.23	4.23	33.792545	-118.283459	3.85	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	N	5.28	5.28	33.808021	-118.287072	3.51	1.85	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	S	5.32	5.32	33.807060	-118.288428	3.59	0.08	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	3.84	3.84	33.787173	-118.280844	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	3.92	3.92	33.788318	-118.280827	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	3.94	3.94	33.790308	-118.282539	2.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	3.98	3.98	33.790783	-118.281686	0.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	4.23	4.23	33.792522	-118.283445	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	4.57	4.57	33.798040	-118.287649	1.14	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	4.59	4.59	33.798697	-118.287163	0.98	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	4.70	4.70	33.800064	-118.288173	4.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	5.23	5.23	33.807061	-118.287254	1.05	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	5.32	5.32	33.807048	-118.288431	unknown	unknown	unknown	unknown

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Treatment BMP List - Machado Lake Pesticides and PCBs TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	110	S	5.37	5.37	33.809810	-118.288094	3.04	1.19	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	N	3.84	3.84	33.787216	-118.280825	0.49	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	N	3.92	3.92	33.788353	-118.280814	0.68	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	S	4.23	4.23	33.792545	-118.283459	3.85	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	N	5.28	5.28	33.808021	-118.287072	3.51	1.85	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	S	5.32	5.32	33.807060	-118.288428	3.59	0.08	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	3.84	3.84	33.787173	-118.280844	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	3.92	3.92	33.788318	-118.280827	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	3.94	3.94	33.790308	-118.282539	2.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	3.98	3.98	33.790783	-118.281686	0.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	4.23	4.23	33.792522	-118.283445	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	4.57	4.57	33.798040	-118.287649	1.14	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	4.59	4.59	33.798697	-118.287163	0.98	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	4.70	4.70	33.800064	-118.288173	4.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	5.23	5.23	33.807061	-118.287254	1.05	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	5.32	5.32	33.807048	-118.288431	unknown	unknown	unknown	unknown

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Treatment BMP List - Machado Lake Trash TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	110	S	5.37	5.37	33.809810	-118.288094	3.04	1.19	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	N	3.84	3.84	33.787216	-118.280825	0.49	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	N	3.92	3.92	33.788353	-118.280814	0.68	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	S	4.23	4.23	33.792545	-118.283459	3.85	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	N	5.28	5.28	33.808021	-118.287072	3.51	1.85	unknown	unknown
Biofiltration Swale	7	LA	4	1	110	S	5.32	5.32	33.807060	-118.288428	3.59	0.08	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	3.84	3.84	33.787173	-118.280844	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	3.92	3.92	33.788318	-118.280827	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	3.94	3.94	33.790308	-118.282539	2.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	3.98	3.98	33.790783	-118.281686	0.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	4.23	4.23	33.792522	-118.283445	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	4.57	4.57	33.798040	-118.287649	1.14	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	4.59	4.59	33.798697	-118.287163	0.98	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	4.70	4.70	33.800064	-118.288173	4.56	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	N	5.23	5.23	33.807061	-118.287254	1.05	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	110	S	5.32	5.32	33.807048	-118.288431	unknown	unknown	unknown	unknown

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Treatment BMP List - Mad River - Turbidity TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Infiltration Trench	1	HUM	1	1	255	N	0	0	40.925882	-124.106189	2	3	unknown	unknown

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Treatment BMP List - Malibu Creek and Lagoon Bacteria TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	2	101		38.01	38.01	34.151391	-118.811632	1.9	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101	E	35.70	35.70	34.147428	-118.772733	1.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		36.00	36.00	34.147152	-118.777954	4.3	1.6	unknown	unknown
Austin Sand Filter	7	LA	4	4	101	S	33.80	33.80	34.142917	-118.740043	1.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		30.10	30.10	34.151144	-118.682466	3.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		30.50	30.50	34.150719	-118.689279	3.7	0.5	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		31.90	31.90	34.140950	-118.709374	2.98	0.69	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	N	33.00	33.00	34.138288	-118.727904	1.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	S	33.40	33.40	34.140986	-118.734015	1.7	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		33.40	33.40	34.141249	-118.733725	1.7	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	2	101	M	0.10	0.10	34.152860	-118.816317	0.24	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	2	101	N	0.97	0.97	34.160305	-118.828456	1.76	0.44	unknown	unknown
Biofiltration Strip	7	VEN	4	2	101	N	1.16	1.16	34.162015	-118.831071	1.57	0.48	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	N	37.00	37.00	34.149174	-118.803052	0.28	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	N	37.19	37.19	34.147020	-118.798384	0.6	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	N	37.40	37.40	34.148572	-118.801635	1.5	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	N	37.48	37.48	34.149202	-118.803000	0.4	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101		37.50	37.50	34.148888	-118.803509	1.2	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	2	101		37.60	37.60	34.149397	-118.805143	1.8	0.9	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	S	37.60	37.60	34.149189	-118.805354	1.5	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	E	37.75	37.75	34.149785	-118.807651	1.4	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	S	38.00	38.00	34.150787	-118.810605	1.9	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		35.30	35.30	34.146635	-118.765794	1.1	0.2	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		36.80	36.80	34.146163	-118.791774	3.8	0.7	unknown	unknown
Biofiltration Strip	7	LA	4	4	101	S	33.70	33.70	34.142875	-118.738339	1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	101		33.70	33.70	34.143162	-118.738307	1.3	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	4	101	S	33.80	33.80	34.142923	-118.739975	0.3	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	101	N	33.90	33.90	34.143439	-118.741733	1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	101		33.90	33.90	34.143175	-118.741824	1.5	0.5	unknown	unknown
Biofiltration Strip	7	LA	4	4	101	N	34.20	34.20	34.143918	-118.746849	1.9	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	101		34.20	34.20	34.143660	-118.746932	1.4	0.4	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		29.80	29.80	34.150525	-118.677389	3.9	0.9	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.00	31.00	34.149096	-118.697239	2.3	0.7	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.00	31.00	34.149096	-118.697239	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.00	31.00	34.149096	-118.697239	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.30	31.30	34.145608	-118.700746	0.4	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.30	31.30	34.145608	-118.700746	0.5	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.30	31.30	34.145608	-118.700746	0.4	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		32.80	32.80	34.138138	-118.724561	1.5	0.5	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	0.58	0.58	34.156252	-118.823701	1.1	0.24	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	N	0.58	0.58	34.156729	-118.823225	0.76	0.41	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	N	0.60	0.60	34.157743	-118.824517	0.41	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	N	0.68	0.68	34.157718	-118.824592	0.57	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	1.05	1.05	34.160514	-118.830081	0.33	0.05	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	1.11	1.11	34.161076	-118.830863	0.76	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	2	101		37.50	37.50	34.148888	-118.803509	0.78	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	2	101	S	37.52	37.52	34.148253	-118.804063	1.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	101	S	37.53	37.53	34.146935	-118.804663	0.93	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	101		37.70	37.70	34.149891	-118.806760	1.1	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	2	101		38.20	38.20	34.151391	-118.811632	0.9	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	N	36.10	36.10	34.147388	-118.779221	0.95	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	36.20	36.20	34.145945	-118.762706	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	36.20	36.20	34.145990	-118.763227	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		36.30	36.30	34.146765	-118.783152	3	2.9	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	N	33.66	33.66	34.143345	-118.737654	0.9	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	33.71	33.71	34.142307	-118.738565	unknown	unknown	0.6	0.14
Biofiltration Swale	7	LA	4	4	101	N	33.80	33.80	34.143517	-118.740011	0.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	101		33.80	33.80	34.143188	-118.740066	0.5	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	4	101		33.80	33.80	34.143188	-118.740066	2	1.3	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	N	36.00	36.00	34.146065	-118.759233	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		30.90	30.90	34.150208	-118.695929	0.8	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.00	31.00	34.149096	-118.697239	0.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.00	31.00	34.149096	-118.697239	2.1	1.3	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.40	31.40	34.144716	-118.702117	1.8	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.50	31.50	34.143921	-118.703547	1.8	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.60	31.60	34.143113	-118.704972	0.95	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.80	31.80	34.141562	-118.707859	2.7	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.80	31.80	34.141562	-118.707859	1.3	0.99	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.80	31.80	34.141562	-118.707859	1.3	0.99	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		32.00	32.00	34.140407	-118.710994	0.5	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		32.10	32.10	34.139865	-118.712637	3.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		32.10	32.10	34.139865	-118.712637	0.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		32.10	32.10	34.139865	-118.712637	0.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	33.50	33.50	34.141934	-118.735382	1.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		33.50	33.50	34.142178	-118.735122	2.4	1.2	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	2	101	N	0.01	0.01	34.152358	-118.814716	unknown	4.37	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	1	N	47.50	47.50	34.034910	-118.692284	1.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	101	N	33.80	33.80	34.143521	-118.740022	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101		31.80	31.80	34.141562	-118.707859	5.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101		32.00	32.00	34.140407	-118.710994	2.2	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	33.50	33.50	34.141932	-118.735382	unknown	unknown	unknown	unknown

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Treatment BMP List - Malibu Creek and Lagoon - Sedimentation and Nutrients to address Benthic Community Impairments TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	2	101		38.01	38.01	34.151391	-118.811632	1.9	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101	E	35.70	35.70	34.147428	-118.772733	1.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		36.00	36.00	34.147152	-118.777954	4.3	1.6	unknown	unknown
Austin Sand Filter	7	LA	4	4	101	S	33.80	33.80	34.142917	-118.740043	1.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		30.10	30.10	34.151144	-118.682466	3.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		30.50	30.50	34.150719	-118.689279	3.7	0.5	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		31.90	31.90	34.140950	-118.709374	2.98	0.69	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	N	33.00	33.00	34.138288	-118.727904	1.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	S	33.40	33.40	34.140986	-118.734015	1.7	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		33.40	33.40	34.141249	-118.733725	1.7	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	2	101	M	0.10	0.10	34.152860	-118.816317	0.24	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	2	101	N	0.97	0.97	34.160305	-118.828456	1.76	0.44	unknown	unknown
Biofiltration Strip	7	VEN	4	2	101	N	1.16	1.16	34.162015	-118.831071	1.57	0.48	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	N	37.00	37.00	34.149174	-118.803052	0.28	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	N	37.19	37.19	34.147020	-118.798384	0.6	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	N	37.40	37.40	34.148572	-118.801635	1.5	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	N	37.48	37.48	34.149202	-118.803000	0.4	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101		37.50	37.50	34.148888	-118.803509	1.2	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	2	101		37.60	37.60	34.149397	-118.805143	1.8	0.9	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	S	37.60	37.60	34.149189	-118.805354	1.5	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	E	37.75	37.75	34.149785	-118.807651	1.4	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	S	38.00	38.00	34.150787	-118.810605	1.9	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		35.30	35.30	34.146635	-118.765794	1.1	0.2	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		36.80	36.80	34.146163	-118.791774	3.8	0.7	unknown	unknown
Biofiltration Strip	7	LA	4	4	101	S	33.70	33.70	34.142875	-118.738339	1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	101		33.70	33.70	34.143162	-118.738307	1.3	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	4	101	S	33.80	33.80	34.142923	-118.739975	0.3	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	101	N	33.90	33.90	34.143439	-118.741733	1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	101		33.90	33.90	34.143175	-118.741824	1.5	0.5	unknown	unknown
Biofiltration Strip	7	LA	4	4	101	N	34.20	34.20	34.143918	-118.746849	1.9	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	101		34.20	34.20	34.143660	-118.746932	1.4	0.4	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		29.80	29.80	34.150525	-118.677389	3.9	0.9	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.00	31.00	34.149096	-118.697239	2.3	0.7	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.00	31.00	34.149096	-118.697239	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.00	31.00	34.149096	-118.697239	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.30	31.30	34.145608	-118.700746	0.4	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.30	31.30	34.145608	-118.700746	0.5	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.30	31.30	34.145608	-118.700746	0.4	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		32.80	32.80	34.138138	-118.724561	1.5	0.5	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	0.58	0.58	34.156252	-118.823701	1.1	0.24	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	N	0.58	0.58	34.156729	-118.823225	0.76	0.41	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	N	0.60	0.60	34.157743	-118.824517	0.41	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	N	0.68	0.68	34.157718	-118.824592	0.57	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	1.05	1.05	34.160514	-118.830081	0.33	0.05	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	1.11	1.11	34.161076	-118.830863	0.76	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	2	101		37.50	37.50	34.148888	-118.803509	0.78	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	2	101	S	37.52	37.52	34.148253	-118.804063	1.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	101	S	37.53	37.53	34.146935	-118.804663	0.93	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	101		37.70	37.70	34.149891	-118.806760	1.1	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	2	101		38.20	38.20	34.151391	-118.811632	0.9	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	N	36.10	36.10	34.147388	-118.779221	0.95	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	36.20	36.20	34.145945	-118.762706	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	36.20	36.20	34.145990	-118.763227	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		36.30	36.30	34.146765	-118.783152	3	2.9	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	N	33.66	33.66	34.143345	-118.737654	0.9	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	33.71	33.71	34.142307	-118.738565	unknown	unknown	0.6	0.14
Biofiltration Swale	7	LA	4	4	101	N	33.80	33.80	34.143517	-118.740011	0.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	101		33.80	33.80	34.143188	-118.740066	0.5	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	4	101		33.80	33.80	34.143188	-118.740066	2	1.3	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	N	36.00	36.00	34.146065	-118.759233	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		30.90	30.90	34.150208	-118.695929	0.8	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.00	31.00	34.149096	-118.697239	0.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.00	31.00	34.149096	-118.697239	2.1	1.3	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.40	31.40	34.144716	-118.702117	1.8	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.50	31.50	34.143921	-118.703547	1.8	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.60	31.60	34.143113	-118.704972	0.95	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.80	31.80	34.141562	-118.707859	2.7	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.80	31.80	34.141562	-118.707859	1.3	0.99	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.80	31.80	34.141562	-118.707859	1.3	0.99	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		32.00	32.00	34.140407	-118.710994	0.5	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		32.10	32.10	34.139865	-118.712637	3.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		32.10	32.10	34.139865	-118.712637	0.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		32.10	32.10	34.139865	-118.712637	0.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	33.50	33.50	34.141934	-118.735382	1.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		33.50	33.50	34.142178	-118.735122	2.4	1.2	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	2	101	N	0.01	0.01	34.152358	-118.814716	unknown	4.37	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	1	N	47.50	47.50	34.034910	-118.692284	1.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	101	N	33.80	33.80	34.143521	-118.740022	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101		31.80	31.80	34.141562	-118.707859	5.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101		32.00	32.00	34.140407	-118.710994	2.2	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	33.50	33.50	34.141932	-118.735382	unknown	unknown	unknown	unknown

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Treatment BMP List - Malibu Creek Watershed Trash TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	2	101		38.01	38.01	34.151391	-118.811632	1.9	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101	E	35.70	35.70	34.147428	-118.772733	1.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		36.00	36.00	34.147152	-118.777954	4.3	1.6	unknown	unknown
Austin Sand Filter	7	LA	4	4	101	S	33.80	33.80	34.142917	-118.740043	1.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		30.10	30.10	34.151144	-118.682466	3.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		30.50	30.50	34.150719	-118.689279	3.7	0.5	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		31.90	31.90	34.140950	-118.709374	2.98	0.69	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	N	33.00	33.00	34.138288	-118.727904	1.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	S	33.40	33.40	34.140986	-118.734015	1.7	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101		33.40	33.40	34.141249	-118.733725	1.7	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	2	101	M	0.10	0.10	34.152860	-118.816317	0.24	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	2	101	N	0.97	0.97	34.160305	-118.828456	1.76	0.44	unknown	unknown
Biofiltration Strip	7	VEN	4	2	101	N	1.16	1.16	34.162015	-118.831071	1.57	0.48	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	N	37.00	37.00	34.149174	-118.803052	0.28	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	N	37.19	37.19	34.147020	-118.798384	0.6	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	N	37.40	37.40	34.148572	-118.801635	1.5	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	N	37.48	37.48	34.149202	-118.803000	0.4	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101		37.50	37.50	34.148888	-118.803509	1.2	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	2	101		37.60	37.60	34.149397	-118.805143	1.8	0.9	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	S	37.60	37.60	34.149189	-118.805354	1.5	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	E	37.75	37.75	34.149785	-118.807651	1.4	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	S	38.00	38.00	34.150787	-118.810605	1.9	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		35.30	35.30	34.146635	-118.765794	1.1	0.2	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		36.80	36.80	34.146163	-118.791774	3.8	0.7	unknown	unknown
Biofiltration Strip	7	LA	4	4	101	S	33.70	33.70	34.142875	-118.738339	1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	101		33.70	33.70	34.143162	-118.738307	1.3	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	4	101	S	33.80	33.80	34.142923	-118.739975	0.3	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	101	N	33.90	33.90	34.143439	-118.741733	1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	101		33.90	33.90	34.143175	-118.741824	1.5	0.5	unknown	unknown
Biofiltration Strip	7	LA	4	4	101	N	34.20	34.20	34.143918	-118.746849	1.9	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	101		34.20	34.20	34.143660	-118.746932	1.4	0.4	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		29.80	29.80	34.150525	-118.677389	3.9	0.9	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.00	31.00	34.149096	-118.697239	2.3	0.7	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.00	31.00	34.149096	-118.697239	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.00	31.00	34.149096	-118.697239	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.30	31.30	34.145608	-118.700746	0.4	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.30	31.30	34.145608	-118.700746	0.5	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		31.30	31.30	34.145608	-118.700746	0.4	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		32.80	32.80	34.138138	-118.724561	1.5	0.5	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	0.58	0.58	34.156252	-118.823701	1.1	0.24	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	N	0.58	0.58	34.156729	-118.823225	0.76	0.41	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	N	0.60	0.60	34.157743	-118.824517	0.41	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	N	0.68	0.68	34.157718	-118.824592	0.57	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	1.05	1.05	34.160514	-118.830081	0.33	0.05	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	1.11	1.11	34.161076	-118.830863	0.76	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	2	101		37.50	37.50	34.148888	-118.803509	0.78	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	2	101	S	37.52	37.52	34.148253	-118.804063	1.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	101	S	37.53	37.53	34.146935	-118.804663	0.93	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	101		37.70	37.70	34.149891	-118.806760	1.1	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	2	101		38.20	38.20	34.151391	-118.811632	0.9	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	N	36.10	36.10	34.147388	-118.779221	0.95	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	36.20	36.20	34.145945	-118.762706	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	36.20	36.20	34.145990	-118.763227	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		36.30	36.30	34.146765	-118.783152	3	2.9	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	N	33.66	33.66	34.143345	-118.737654	0.9	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	S	33.71	33.71	34.142307	-118.738565	unknown	unknown	0.6	0.14
Biofiltration Swale	7	LA	4	4	101	N	33.80	33.80	34.143517	-118.740011	0.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	101		33.80	33.80	34.143188	-118.740066	0.5	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	4	101		33.80	33.80	34.143188	-118.740066	2	1.3	unknown	unknown
Biofiltration Swale	7	LA	4	4	101	N	36.00	36.00	34.146065	-118.759233	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		30.90	30.90	34.150208	-118.695929	0.8	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.00	31.00	34.149096	-118.697239	0.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.00	31.00	34.149096	-118.697239	2.1	1.3	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.40	31.40	34.144716	-118.702117	1.8	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.50	31.50	34.143921	-118.703547	1.8	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.60	31.60	34.143113	-118.704972	0.95	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.80	31.80	34.141562	-118.707859	2.7	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.80	31.80	34.141562	-118.707859	1.3	0.99	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		31.80	31.80	34.141562	-118.707859	1.3	0.99	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		32.00	32.00	34.140407	-118.710994	0.5	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		32.10	32.10	34.139865	-118.712637	3.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		32.10	32.10	34.139865	-118.712637	0.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		32.10	32.10	34.139865	-118.712637	0.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	33.50	33.50	34.141934	-118.735382	1.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		33.50	33.50	34.142178	-118.735122	2.4	1.2	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	2	101	N	0.01	0.01	34.152358	-118.814716	unknown	4.37	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	1	N	47.50	47.50	34.034910	-118.692284	1.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	101	N	33.80	33.80	34.143521	-118.740022	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101		31.80	31.80	34.141562	-118.707859	5.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101		32.00	32.00	34.140407	-118.710994	2.2	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	33.50	33.50	34.141932	-118.735382	unknown	unknown	unknown	unknown

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Treatment BMP List - Marina del Rey Harbor Toxic Pollutants TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Marina del Rey Harbor Mother's Beach and Back Basins Bacteria TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Middle Fork Eel River - Temperature and Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Swale	1	MEN	1	1	162	E	16.19	16.19	39.708754	-123.331712	0.4	0.13	unknown	unknown
DPP (Design Pollution Prevention)	1	MEN	1	1	162	W	16.28	16.28	39.708298	-123.330415	unknown	0.9	unknown	unknown

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Treatment BMP List - Morro Bay (includes Chorro Creek, Los Osos Creek, and the Morro Bay Estuary) - Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Napa River - Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	4	NAP	2	1	12	E	0.04	0.24	38.223047	-122.257168	0.86	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	1	12	W	0.29	0.37	38.222371	-122.252519	0.31	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	1	12	W	0.47	0.53	38.222185	-122.249479	0.27	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	1	12	E	0.83	0.86	38.221255	-122.243567	0.03	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	1	12	E	0.93	0.98	38.221144	-122.241874	0.17	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	1	12	E	1.05	1.22	38.221237	-122.239883	1	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	1	12	E	1.26	1.31	38.220759	-122.236540	0.4	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	1	12	E	1.33	1.43	38.220286	-122.235427	0.06	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	1	12	W	1.39	1.45	38.220403	-122.234617	0.4	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	1	12	E	1.53	1.58	38.219247	-122.232286	0.26	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	1	12	E	1.60	1.69	38.218866	-122.231165	0.43	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	1	12	E	1.79	1.85	38.217815	-122.228223	0.27	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	1	12	E	2.21	2.27	38.215545	-122.221501	0.28	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	1	12	E	2.31	2.45	38.214993	-122.219956	0.65	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	1	12	E	2.45	2.55	38.213835	-122.216091	0.47	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	1	12	E	2.55	2.64	38.213802	-122.215972	0.44	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	2	29	S	25.53	25.53	38.470549	-122.431455	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	2	29	S	25.59	25.59	38.471260	-122.431954	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	2	29	N	25.61	25.61	38.471497	-122.432121	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	2	29	S	25.69	25.69	38.472444	-122.432786	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	2	29	S	25.74	25.74	38.473061	-122.433205	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	2	29	S	26.61	26.61	38.482991	-122.443062	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	2	29	S	26.67	26.67	38.483591	-122.443762	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	2	29	S	26.71	26.71	38.483987	-122.444228	unknown	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	1	12	E	0.50	0.53	38.221827	-122.249084	0.82	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	1	12	W	0.55	0.56	38.221913	-122.248157	1.67	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	1	12	E	0.72	0.75	38.221089	-122.245410	1.39	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	1	12	E	0.96	0.99	38.221202	-122.241407	0.39	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	1	12	E	1.24	1.26	38.220878	-122.236836	1.14	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	1	12	W	1.89	1.98	38.217311	-122.225769	0.94	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	1	12	E	1.91	2.02	38.221164	-122.241353	0.56	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	1	12	E	2.06	2.11	38.216369	-122.223866	1.07	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	1	12	W	2.32	2.35	38.215132	-122.219605	0.84	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	1	12	E	2.60	2.62	38.213839	-122.215100	1.4	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	1	12	E	2.78	2.80	38.212723	-122.212459	1.28	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	1	12	E	3.11	3.12	38.211106	-122.207128	0.18	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	1	12	E	3.12	3.13	38.210931	-122.207119	0.18	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	2	29	N	12.16	12.16	38.308600	-122.305200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	2	29	N	12.16	12.16	38.308600	-122.305200	unknown	unknown	unknown	unknown
Detention Basin	4	SOL	2	1	80	S	3.42	3.42	38.108552	-122.229662	unknown	unknown	unknown	unknown
Detention Basin	4	SOL	2	1	80	N	5.65	5.65	38.139080	-122.220077	unknown	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	4	NAP	2	3	128	E	9.20	9.20	38.480653	-122.376707	0.01	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	S	25.69	25.69	38.472444	-122.432786	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	S	25.69	25.69	38.472444	-122.432786	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	25.70	25.70	38.472563	-122.432869	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	25.82	25.82	38.474075	-122.433861	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	S	25.93	25.93	38.475435	-122.434801	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	S	25.93	25.93	38.475435	-122.434801	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	S	25.96	25.96	38.475800	-122.435063	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	S	25.96	25.96	38.475800	-122.435063	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	S	26.22	26.22	38.478752	-122.438023	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	S	26.29	26.29	38.479524	-122.438937	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	S	26.36	26.36	38.480295	-122.439848	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	26.41	26.41	38.480847	-122.440493	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	26.43	26.43	38.481067	-122.440752	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	26.43	26.43	38.481067	-122.440752	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	26.75	26.75	38.484383	-122.444694	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	26.76	26.76	38.484482	-122.444810	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	26.77	26.77	38.484581	-122.444927	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	26.86	26.86	38.485477	-122.446003	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	26.89	26.89	38.485796	-122.446380	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	S	27.10	27.10	38.488056	-122.449036	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	27.17	27.17	38.488806	-122.449943	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	27.20	27.20	38.489134	-122.450325	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	27.22	27.22	38.489353	-122.450579	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	27.22	27.22	38.489353	-122.450579	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	27.51	27.51	38.492493	-122.454240	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	27.66	27.66	38.493981	-122.455975	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	27.70	27.70	38.494378	-122.456437	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	2	29	N	27.74	27.74	38.494816	-122.456949	unknown	unknown	unknown	unknown
Other	4	SOL	2	1	37	W	9.05	9.05	38.132300	-122.262100	unknown	unknown	unknown	unknown
Other	4	NAP	2	2	29	S	29.93	29.93	38.516600	-122.486200	unknown	unknown	unknown	unknown

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Treatment BMP List - Navarro River Temperature and Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Noyo River Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Project I Revised Twenty Beaches and Creeks in the San Diego Region (including Tecolote Creek) Indicator Bacteria TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	12	ORA	9	3	5	N	3.61	3.61	33.440766	-117.625041	unknown	unknown	unknown	unknown
Austin Sand Filter	11	SD	9	11	94	E	3.00	3.00	32.716731	-117.118481	2.11	unknown	unknown	unknown
Austin Sand Filter	12	ORA	9	12	73	N	11.80	11.80	33.558164	-117.686044	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	9	1	133	N	3.45	3.45	33.583322	-117.761229	0.2	unknown	unknown	unknown
Biofiltration Strip	12	ORA	9	1	133	S	3.46	3.46	33.583390	-117.761959	0.21	0.21	unknown	unknown
Biofiltration Strip	12	ORA	9	1	133	S	3.95	3.95	33.590401	-117.760228	0.68	unknown	unknown	unknown
Biofiltration Strip	12	ORA	9	1	133	N	3.95	3.95	33.590181	-117.759112	0.15	unknown	unknown	unknown
Biofiltration Strip	12	ORA	9	3	5	S	3.74	3.74	33.441480	-117.627200	0.92	unknown	unknown	unknown
Biofiltration Strip	12	ORA	9	3	5	N	3.89	3.89	33.443002	-117.629032	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	9	3	5	N	4.54	4.54	33.449005	-117.637674	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	9	3	5	N	4.78	4.78	33.451370	-117.640800	2.04	unknown	unknown	unknown
Biofiltration Strip	12	ORA	9	3	5	N	5.31	5.31	33.455277	-117.648738	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	9	3	5	N	5.35	5.35	33.455620	-117.649300	0.34	unknown	unknown	unknown
Biofiltration Strip	12	ORA	9	3	5	N	5.49	5.49	33.456457	-117.651452	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	9	3	5	N	5.51	5.51	33.456580	-117.651700	0.6	unknown	unknown	unknown
Biofiltration Strip	11	SD	9	4	76	W	12.64	12.76	33.296005	-117.220398	0.67	0.32	unknown	unknown
Biofiltration Strip	11	SD	9	4	76	W	12.64	12.76	33.296005	-117.220398	0.67	0.32	unknown	unknown
Biofiltration Strip	11	SD	9	4	76	W	16.58	16.71	33.322421	-117.168253	1.17	0.46	unknown	unknown
Biofiltration Strip	11	SD	9	6	5	S	36.39	36.39	32.981343	-117.254095	5.9	1.2	unknown	unknown
Biofiltration Strip	11	SD	9	7	5	S	34.43	34.82	32.956767	-117.245524	26	11.5	unknown	unknown
Biofiltration Strip	11	SD	9	8	15	N	15.72	15.72	32.913962	-117.116160	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD	9	8	15	N	15.83	15.83	32.915564	-117.115669	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD	9	8	15	N	15.89	15.89	32.916442	-117.116710	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD	9	8	15	N	15.89	15.89	32.916376	-117.115105	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD	9	8	15	N	15.89	15.89	32.916376	-117.115105	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD	9	8	15	N	15.96	15.96	32.917567	-117.116894	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD	9	8	15	N	18.12	18.12	32.947497	-117.105825	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD	9	8	15	N	18.25	18.25	32.949194	-117.104858	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD		10	8	E	10.50	10.50	32.773743	-117.031071	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD		10	8	E	10.60	10.60	32.773130	-117.029508	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD		10	8	E	10.61	10.61	32.773064	-117.029359	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD		10	8	E	10.65	10.65	32.772802	-117.028751	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD		10	8	W	20.05	20.05	32.826563	-116.903369	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD		10	8	E	21.75	21.75	32.844057	-116.882967	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD		10	8	E	21.80	21.80	32.844390	-116.882155	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD		10	8	E	21.90	21.90	32.844832	-116.880534	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD		10	8	W	21.90	21.90	32.844832	-116.880534	unknown	unknown	unknown	unknown
Biofiltration Strip	11	SD	9	11	94	E	8.20	8.20	32.744143	-117.042055	1.04	unknown	unknown	unknown
Biofiltration Strip	11	SD	9	13	5	N	41.42	41.42	33.047094	-117.286035	1.89	unknown	unknown	unknown
Biofiltration Swale	12	ORA		1	133	N	4.00	4.00	33.591069	-117.759564	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA		1	133	N	4.43	4.43	33.597002	-117.761266	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA		1	133	N	5.08	5.08	33.605985	-117.761101	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA		1	133	N	5.20	5.20	33.607680	-117.760847	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	1	133	N	6.51	6.51	33.625589	-117.756988	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	2	5	N	15.11	15.11	33.578600	-117.670939	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	2	5	N	15.27	15.27	33.580867	-117.670792	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	2	5	N	15.49	15.49	33.584018	-117.672228	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	2	5	N	15.81	15.81	33.588737	-117.672002	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	2	5	S	15.90	15.90	33.597739	-117.677296	2.08	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	S	0.16	0.16	33.466240	-117.669800	0.88	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	S	0.19	0.19	33.466640	-117.670900	1.41	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	S	0.23	0.23	33.465700	-117.670600	1.05	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	3.00	3.00	33.434962	-117.617421	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	3.00	3.00	33.434962	-117.617421	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	3.00	3.00	33.434962	-117.617421	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	3.16	3.16	33.436405	-117.619541	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	3.32	3.32	33.438713	-117.620817	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	3.39	3.39	33.438219	-117.622582	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	3.82	3.82	33.442760	-117.627800	0.12	0.36	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	3.90	3.90	33.443631	-117.628742	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	S	4.13	4.13	33.445090	-117.632200	0.3	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	4.13	4.13	33.445098	-117.632208	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	4.14	4.14	33.445048	-117.632568	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	S	4.16	4.16	33.445047	-117.632585	0.3	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	4.18	4.18	33.445815	-117.632685	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	S	4.18	4.18	33.445830	-117.632700	0.64	0.74	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	4.87	4.87	33.452150	-117.642000	1.25	2.55	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	4.93	4.93	33.452788	-117.642940	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	6.61	6.61	33.465910	-117.667184	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	6.74	6.74	33.466285	-117.669823	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	6.74	6.74	33.465795	-117.670422	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	6.83	6.83	33.466093	-117.667507	0.91	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	6.83	6.83	33.466755	-117.671077	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	S	8.82	8.82	33.491842	-117.662222	0.95	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	9.38	9.38	33.499287	-117.657965	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	9.54	9.54	33.501595	-117.658069	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	9.54	9.54	33.501452	-117.659296	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	9.55	9.55	33.501704	-117.657910	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	5	N	9.66	9.66	33.503369	-117.657956	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	74	E	1.94	1.94	33.516700	-117.629922	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	74	E	2.04	2.04	33.517781	-117.628639	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	74	E	2.16	2.16	33.518609	-117.627034	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	74	W	2.24	2.24	33.519045	-117.625810	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	74	E	2.35	2.35	33.519253	-117.623936	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	74	E	2.35	2.35	33.519135	-117.623809	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	74	E	2.39	2.39	33.519184	-117.623139	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	74	W	2.46	2.46	33.519570	-117.621964	unknown	unknown	unknown	unknown

Biofiltration Swale	12	ORA	9	3	74	W	2.75	2.75	33.520508	-117.617238	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	9	3	74	W	2.87	2.87	33.521105	-117.615424	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	5	S	53.25	53.28	33.200220	-117.373543	5	2	unknown	unknown
Biofiltration Swale	11	SD	9	4	5	N	53.25	53.28	33.201027	-117.371212	11	2	unknown	unknown
Biofiltration Swale	11	SD	9	4	5	S	53.30	53.38	33.200618	-117.373978	5	2	unknown	unknown
Biofiltration Swale	11	SD	9	4	5	N	53.65	53.91	33.204450	-117.380900	4.7	2.1	unknown	unknown
Biofiltration Swale	11	SD	9	4	5	N	53.80	53.90	33.203938	-117.381422	4	1	unknown	unknown
Biofiltration Swale	11	SD	9	4	5	S	53.86	53.90	33.202900	-117.383091	8.5	2	unknown	unknown
Biofiltration Swale	11	SD	9	4	5	N	53.91	53.93	33.205504	-117.382245	4.7	2.1	unknown	unknown
Biofiltration Swale	11	SD	9	4	15	S	17.21	17.21	33.330844	-117.161000	0.59	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	15	N	46.44	46.44	33.330627	-117.157842	0.92	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	15	N	46.45	46.45	33.330798	-117.158897	0.47	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	15	S	46.53	46.53	33.331604	-117.159753	0.92	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	15	N	46.62	46.62	33.333256	-117.158422	0.59	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	15	N	46.70	46.70	33.334485	-117.158737	1.05	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	7.56	7.56	33.250781	-117.268342	1.52	0.78	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	7.82	7.82	33.251906	-117.263978	1.28	0.55	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	7.93	7.93	33.252922	-117.262514	0.43	0.19	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	7.99	7.99	33.253022	-117.261225	0.44	0.2	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	8.07	8.07	33.253414	-117.259692	0.69	1.08	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	8.34	8.34	33.254003	-117.255222	0.78	0.78	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	8.37	8.37	33.254397	-117.254722	1.01	0.54	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	8.53	8.53	33.254142	-117.252186	1.09	1.09	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	8.53	8.53	33.254539	-117.252136	0.88	0.29	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	8.68	8.68	33.254108	-117.249700	1.3	0.94	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	8.72	8.72	33.253997	-117.249022	0.45	0.33	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	8.73	8.73	33.253928	-117.248714	0.09	0.17	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	8.78	8.78	33.254075	-117.247914	0.58	0.32	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	8.95	8.95	33.253597	-117.245286	0.73	0.25	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	9.06	9.06	33.253753	-117.243528	0.59	0.19	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	9.15	9.15	33.254258	-117.242011	0.48	0.16	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	9.22	9.22	33.254928	-117.240911	0.64	0.21	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	9.32	9.32	33.256017	-117.239653	0.75	0.46	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	9.33	9.33	33.255781	-117.239342	2.07	0.37	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	9.54	9.54	33.258567	-117.237064	1.12	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	9.64	9.64	33.259750	-117.236072	1.83	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	9.99	9.99	33.264572	-117.236653	0.14	0.06	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	10.00	10.00	33.264747	-117.236694	0.05	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	10.03	10.03	33.265142	-117.236781	1.21	0.52	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	10.20	10.20	33.267683	-117.237031	0.33	0.27	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	10.21	10.21	33.267861	-117.236558	0.26	0.17	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	10.37	10.37	33.270242	-117.236119	1.01	0.34	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	10.39	10.39	33.270567	-117.236444	0.82	3.3	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	10.42	10.42	33.271014	-117.235969	0.6	0.2	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	10.43	10.43	33.271169	-117.236294	0.66	2.63	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	10.47	10.47	33.271761	-117.235764	0.28	0.09	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	10.52	10.52	33.272356	-117.235578	0.58	0.19	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	10.61	10.61	33.273886	-117.234947	1	0.28	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	10.90	10.90	33.275894	-117.233289	0.74	0.21	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	10.94	10.94	33.276311	-117.232750	0.99	0.33	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	11.11	11.11	33.277839	-117.230631	0.55	0.18	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	11.39	11.39	33.280322	-117.227081	1.85	0.62	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	11.49	11.49	33.281581	-117.226222	0.57	0.19	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	11.51	11.51	33.281925	-117.226036	0.35	1.61	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	11.63	11.63	33.283553	-117.225594	0.05	0.21	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	11.65	11.65	33.283731	-117.225578	0.47	2.15	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	11.84	11.84	33.286519	-117.225694	0.38	1.72	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	11.84	11.84	33.286547	-117.225247	0.34	0.11	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	11.97	11.97	33.288572	-117.225272	0.91	0.91	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	12.04	12.04	33.289464	-117.225217	0.51	0.05	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	12.07	12.07	33.289922	-117.225114	0.51	0.11	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	12.11	12.11	33.290439	-117.224928	0.96	0.13	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	12.42	12.42	33.293567	-117.222603	2.35	0.26	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	12.67	12.67	33.296443	-117.220245	0.2	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	12.67	12.67	33.296443	-117.220245	0.2	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	12.70	12.70	33.296833	-117.219903	1.82	0.45	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	12.71	12.72	33.296839	-117.219954	0.1	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	12.73	12.77	33.297604	-117.219521	0.25	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	12.76	12.76	33.297604	-117.219521	0.25	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	12.76	12.79	33.297692	-117.219047	0.21	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	12.76	12.79	33.297692	-117.219047	0.21	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	12.77	12.83	33.297658	-117.219432	0.25	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	12.79	12.81	33.298569	-117.219113	0.12	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	12.81	12.85	33.298312	-117.219268	0.28	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	12.83	12.85	33.298569	-117.219113	0.11	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	12.85	12.87	33.298807	-117.218933	0.17	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	12.87	12.93	33.299035	-117.218741	0.29	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	12.87	12.93	33.299035	-117.218741	0.4	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	12.93	12.96	33.299711	-117.218136	0.34	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	12.96	12.96	33.300131	-117.218058	0.37	1.21	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	12.96	12.99	33.300068	-117.217866	0.23	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.00	13.02	33.300551	-117.217517	0.1	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.02	13.03	33.300806	-117.217363	0.11	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.03	13.03	33.300936	-117.217289	0.31	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.08	13.13	33.301597	-117.216950	0.33	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.13	13.17	33.302258	-117.216589	0.25	0.06	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.17	13.21	33.302902	-117.215604	0.24	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.21	13.26	33.302902	-117.215604	0.32	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.22	13.24	33.302960	-117.215453	0.13	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.24	13.28	33.303076	-117.215151	0.22	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.28	13.32	33.303322	-117.214550	0.31	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.31	13.35	33.303577	-117.214118	0.24	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.31	13.34	33.303577	-117.214118	0.15	unknown	0.15	0.02

Biofiltration Swale	11	SD	9	4	76	E	13.34	13.38	33.303907	-117.213764	0.21	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.35	13.37	33.304017	-117.213649	0.41	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.38	13.41	33.304323	-117.213263	0.12	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.41	13.42	33.304613	-117.212877	0.08	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.42	13.44	33.304709	-117.212748	0.21	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.42	13.45	33.304709	-117.212748	0.15	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.45	13.46	33.305023	-117.212365	0.05	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.46	13.46	33.305131	-117.212245	0.08	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.46	13.50	33.305131	-117.212245	0.19	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.50	13.54	33.305564	-117.211761	0.22	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.54	13.56	33.306007	-117.211274	0.09	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.56	13.57	33.306233	-117.211043	0.97	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.57	13.64	33.306349	-117.210925	0.34	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.64	13.71	33.306940	-117.209965	0.37	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.69	13.71	33.307169	-117.209186	0.1	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.71	13.76	33.307279	-117.208872	0.26	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.72	13.76	33.307343	-117.208727	0.26	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.76	13.81	33.307674	-117.208163	0.26	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.76	13.82	33.307674	-117.208163	0.3	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.81	13.86	33.308112	-117.207473	0.27	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.82	13.91	33.308199	-117.207335	0.23	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.86	13.91	33.308526	-117.206822	0.28	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.86	13.91	33.308526	-117.206822	0.23	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.91	13.96	33.308978	-117.206130	0.28	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.93	13.96	33.309165	-117.205873	0.28	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.96	13.97	33.309465	-117.205490	0.06	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.96	13.97	33.309465	-117.205490	0.52	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.97	14.00	33.309563	-117.205354	0.17	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	13.97	14.01	33.309563	-117.205354	0.19	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.01	14.03	33.309851	-117.204764	0.13	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.01	14.05	33.309851	-117.204764	0.22	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.03	14.08	33.309960	-117.204456	0.28	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.05	14.06	33.310070	-117.204147	0.13	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.08	14.14	33.310249	-117.203695	0.35	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.11	14.14	33.310419	-117.203237	0.28	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.14	14.19	33.310599	-117.202780	0.26	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.14	14.19	33.310599	-117.202780	0.36	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.19	14.23	33.310955	-117.202052	0.27	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.19	14.23	33.310955	-117.202052	0.24	0.02	0.24	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.23	14.29	33.311273	-117.201487	0.36	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.29	14.31	33.311732	-117.200626	0.09	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.31	14.33	33.311881	-117.200337	0.11	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.35	14.39	33.312211	-117.199775	0.26	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.35	14.48	33.312211	-117.199775	0.49	0.04	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.39	14.45	33.312541	-117.199212	0.35	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.48	14.48	33.313432	-117.198050	0.21	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.51	14.60	33.313808	-117.197735	0.46	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.60	14.64	33.314872	-117.196753	0.22	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.64	14.66	33.315142	-117.196156	0.23	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.76	14.81	33.315235	-117.194191	0.21	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.81	14.87	33.315031	-117.193384	0.39	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.88	14.92	33.314754	-117.192233	0.23	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.92	14.94	33.314596	-117.191575	0.11	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.94	14.98	33.314519	-117.191246	0.23	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	14.98	15.01	33.314519	-117.190568	0.26	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.02	15.04	33.314586	-117.189900	0.1	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.04	15.09	33.314587	-117.189555	0.32	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.09	15.16	33.314541	-117.188718	0.38	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.17	15.21	33.314617	-117.187369	0.29	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.21	15.24	33.314822	-117.186722	0.15	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.24	15.26	33.314977	-117.186248	0.11	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.24	15.30	33.314977	-117.186248	0.38	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.25	15.30	33.315018	-117.186086	0.26	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.30	15.34	33.315175	-117.185248	0.2	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.30	15.32	33.315175	-117.185248	0.1	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.34	15.38	33.315243	-117.184583	0.19	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.38	15.43	33.315315	-117.183903	0.29	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.43	15.47	33.315502	-117.183088	0.19	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.47	15.54	33.315688	-117.182439	0.38	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.55	15.58	33.315821	-117.181117	0.17	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.58	15.65	33.315704	-117.180622	0.35	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.65	15.69	33.315596	-117.179450	0.19	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.69	15.73	33.315708	-117.178790	0.2	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.73	15.73	33.315836	-117.178124	0.19	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.77	15.81	33.315966	-117.177458	0.2	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.81	15.84	33.316187	-117.176825	0.21	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.84	15.89	33.316443	-117.176383	0.27	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.89	15.96	33.317003	-117.175748	0.35	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.96	15.98	33.317754	-117.174898	0.18	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	15.98	16.01	33.317966	-117.174668	0.44	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.01	16.05	33.318325	-117.174357	0.51	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.05	16.06	33.318837	-117.173985	0.12	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.06	16.07	33.318962	-117.173891	0.12	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.11	16.12	33.319696	-117.173600	0.16	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.12	16.15	33.319851	-117.173537	0.24	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.15	16.18	33.320229	-117.173277	0.41	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.18	16.23	33.320545	-117.172906	0.59	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.23	16.32	33.321045	-117.172302	0.5	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.32	16.38	33.322058	-117.171320	0.17	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.33	16.38	33.322137	-117.171183	0.35	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.38	16.40	33.322457	-117.170459	0.07	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.48	16.50	33.322808	-117.168925	0.11	0.01	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.50	16.52	33.322803	-117.168607	0.09	0.01	unknown	unknown

Biofiltration Swale	11	SD	9	4	76	E	16.52	16.59	33.322823	-117.168298	0.39	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.59	16.63	33.323250	-117.167280	0.19	3.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.63	16.67	33.323668	-117.166814	0.2	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.67	16.70	33.324117	-117.166374	0.2	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.67	16.70	33.324117	-117.166374	0.2	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.70	16.74	33.324474	-117.166051	0.18	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.74	16.87	33.324961	-117.165647	0.79	0.06	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.79	16.79	33.325341	-117.164891	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.80	16.80	33.325595	-117.164761	1.73	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.86	16.92	33.326427	-117.164445	0.44	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.91	16.98	33.326962	-117.163855	0.63	0.03	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	16.92	17.04	33.327069	-117.163739	1	0.02	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	17.03	17.03	33.327890	-117.162054	3.15	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	17.40	17.60	33.333552	-117.156391	2.63	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	W	17.47	17.47	33.332788	-117.157257	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	46.40	46.40	33.329719	-117.160047	1.8	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	4	76	E	46.60	46.60	33.332508	-117.158728	1.02	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	5	76	W	46.40	46.40	33.249712	-116.787081	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	5	76	W	46.60	46.60	33.247668	-116.784728	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	6	5	N	35.03	35.23	32.962974	-117.246236	25.1	12	unknown	unknown
Biofiltration Swale	11	SD	9	6	5	N	36.06	36.19	32.978380	-117.252058	5.9	1.2	unknown	unknown
Biofiltration Swale	11	SD	9	6	5	N	36.22	36.24	32.979278	-117.251983	5.8	1.2	unknown	unknown
Biofiltration Swale	11	SD	9	6	5	S	36.29	36.33	32.980036	-117.253937	5.9	1.2	unknown	unknown
Biofiltration Swale	11	SD	9	6	5	N	36.50	36.71	32.983864	-117.254044	7	3	unknown	unknown
Biofiltration Swale	11	SD	9	6	5	N	37.10	37.10	32.991580	-117.256279	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	6	5	N	37.29	37.29	32.994325	-117.256695	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	6	5	N	37.30	37.30	32.994595	-117.255576	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	6	5	N	37.32	37.32	32.994660	-117.257033	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	6	5	N	37.36	37.36	32.995506	-117.255372	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	6	5	S	37.39	37.39	32.995710	-117.257422	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	6	5	N	37.41	37.47	32.996277	-117.255938	7	3	unknown	unknown
Biofiltration Swale	11	SD	9	6	5	N	37.52	37.52	32.997747	-117.257338	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	6	5	N	37.60	37.61	32.999031	-117.256642	7	0.5	unknown	unknown
Biofiltration Swale	11	SD	9	6	67	S	21.34	21.34	33.013298	-116.908816	5.37	unknown	unknown	unknown
Biofiltration Swale	11	SD		6	67	N	23.70	23.70	33.036482	-116.878631	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	2.11	2.11	32.945862	-117.209688	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	2.13	2.13	32.945980	-117.209343	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	2.15	2.15	32.946088	-117.209029	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	2.17	2.17	32.946196	-117.208654	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	2.20	2.20	32.946361	-117.208242	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	2.30	2.30	32.947012	-117.206727	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	2.35	2.35	32.947404	-117.205993	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	2.40	2.40	32.947822	-117.205265	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	2.44	2.44	32.948223	-117.204595	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	2.59	2.59	32.949612	-117.202539	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	2.60	2.60	32.949403	-117.202362	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	2.65	2.65	32.949717	-117.201600	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	2.70	2.70	32.949994	-117.200820	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	2.79	2.79	32.950470	-117.199400	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	2.80	2.80	32.950523	-117.199242	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	2.82	2.82	32.950629	-117.198927	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	2.83	2.83	32.950682	-117.198769	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	2.84	2.84	32.950734	-117.198611	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	2.85	2.85	32.950658	-117.198354	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	2.85	2.85	32.950787	-117.198454	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	2.86	2.86	32.950592	-117.198137	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	2.90	2.90	32.951053	-117.197664	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	2.92	2.92	32.950893	-117.197246	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	2.92	2.92	32.951157	-117.197291	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	2.92	2.92	32.951160	-117.197347	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.01	3.01	32.951345	-117.195800	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	3.05	3.05	32.951890	-117.195157	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	3.07	3.07	32.951995	-117.194848	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.09	3.09	32.951929	-117.194515	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	3.09	3.09	32.952099	-117.194538	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	3.10	3.10	32.952151	-117.194384	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.10	3.10	32.951981	-117.194355	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	3.12	3.12	32.952253	-117.194080	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.12	3.12	32.952080	-117.194050	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	3.13	3.13	32.952303	-117.193928	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.14	3.14	32.952337	-117.193772	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.14	3.14	32.952122	-117.193663	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	3.15	3.15	32.952404	-117.193625	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	3.17	3.17	32.952506	-117.193321	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	3.20	3.20	32.952657	-117.192866	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.20	3.20	32.952423	-117.192779	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.22	3.22	32.952506	-117.192531	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.23	3.23	32.952997	-117.192579	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.23	3.23	32.952773	-117.192472	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.24	3.24	32.953066	-117.192380	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	3.24	3.24	32.952860	-117.192259	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.24	3.24	32.952842	-117.192271	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.24	3.24	32.952627	-117.192166	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.25	3.25	32.953139	-117.192179	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	3.26	3.26	32.952961	-117.191956	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	3.27	3.27	32.953012	-117.191804	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	3.28	3.28	32.953062	-117.191652	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	3.29	3.29	32.953114	-117.191503	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	3.29	3.29	32.953114	-117.191503	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	3.29	3.29	32.953114	-117.191503	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.29	3.29	32.953165	-117.191503	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	3.30	3.30	32.953166	-117.191353	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	3.31	3.31	32.953218	-117.191203	unknown	unknown	unknown	unknown

Biofiltration Swale	11	SD	9	7	56	W	3.31	3.31	32.953610	-117.191347	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	3.32	3.32	32.953270	-117.191054	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.32	3.32	32.953650	-117.191143	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.34	3.34	32.953716	-117.190907	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	3.34	3.34	32.953379	-117.190755	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	3.40	3.40	32.953757	-117.189873	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	3.40	3.40	32.953757	-117.189873	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	3.40	3.40	32.953757	-117.189873	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.44	3.44	32.954256	-117.189411	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.45	3.45	32.954039	-117.189260	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.45	3.45	32.953805	-117.189075	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	3.50	3.50	32.954504	-117.188468	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	3.50	3.50	32.954504	-117.188468	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	3.50	3.50	32.954504	-117.188468	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	3.60	3.60	32.955411	-117.187164	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	3.60	3.60	32.955411	-117.187164	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	3.60	3.60	32.955411	-117.187164	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	3.70	3.70	32.956466	-117.185975	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	3.70	3.70	32.956466	-117.185975	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	3.70	3.70	32.956466	-117.185975	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.76	3.76	32.957351	-117.185507	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.77	3.77	32.957225	-117.185268	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.77	3.77	32.957094	-117.185041	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.77	3.77	32.957236	-117.185181	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	3.78	3.78	32.957429	-117.185138	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	3.88	3.88	32.958742	-117.184243	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	3.88	3.88	32.958742	-117.184243	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	3.90	3.90	32.959017	-117.184083	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.92	3.92	32.959453	-117.184126	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	3.92	3.92	32.959292	-117.183924	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.93	3.93	32.959353	-117.183875	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.93	3.93	32.959250	-117.183623	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	3.94	3.94	32.959568	-117.183765	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	3.95	3.95	32.959935	-117.183877	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	3.98	3.98	32.960119	-117.183446	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	4.00	4.00	32.960395	-117.183287	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.00	4.00	32.960642	-117.183452	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.06	4.06	32.961178	-117.182837	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.07	4.07	32.961070	-117.182573	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.10	4.10	32.961626	-117.182428	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	4.10	4.10	32.961779	-117.182491	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.12	4.12	32.961901	-117.182264	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	4.12	4.12	32.962052	-117.182327	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.20	4.20	32.962935	-117.181521	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	4.20	4.20	32.963084	-117.181581	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.25	4.25	32.963531	-117.180997	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	4.25	4.25	32.963674	-117.181047	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	4.30	4.30	32.964220	-117.180463	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	4.30	4.30	32.964220	-117.180463	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.33	4.33	32.964292	-117.179957	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.50	4.50	32.965797	-117.177737	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	4.50	4.50	32.965942	-117.177799	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.59	4.59	32.966355	-117.176393	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	4.60	4.60	32.966530	-117.176258	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.67	4.67	32.966837	-117.175066	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.67	4.67	32.966607	-117.174991	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	4.70	4.70	32.966915	-117.174644	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	4.70	4.70	32.966915	-117.174644	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.75	4.75	32.966785	-117.173770	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	4.80	4.80	32.967097	-117.172989	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.90	4.90	32.966888	-117.171261	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	4.90	4.90	32.967047	-117.171123	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	4.92	4.92	32.967013	-117.170792	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.93	4.93	32.967007	-117.170775	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	4.98	4.98	32.966745	-117.169945	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	4.98	4.98	32.966854	-117.169799	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	5.00	5.00	32.966671	-117.169618	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	5.00	5.00	32.966785	-117.169472	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	5.03	5.03	32.966526	-117.169139	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	5.03	5.03	32.966549	-117.169128	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	5.03	5.03	32.966661	-117.168980	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	5.03	5.03	32.966661	-117.168980	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	5.04	5.04	32.966505	-117.168968	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	5.04	5.04	32.966505	-117.168968	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	5.04	5.04	32.966615	-117.168816	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	5.04	5.04	32.966615	-117.168816	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	5.05	5.05	32.966460	-117.168809	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	5.05	5.05	32.966460	-117.168809	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	5.05	5.05	32.966568	-117.168654	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	M	5.05	5.05	32.966568	-117.168654	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	5.06	5.06	32.966415	-117.168650	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	5.06	5.06	32.966520	-117.168493	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	5.15	5.15	32.965987	-117.167083	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	5.18	5.18	32.965773	-117.166628	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	5.20	5.20	32.965629	-117.166325	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	5.20	5.20	32.965629	-117.166325	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	5.28	5.28	32.965052	-117.165111	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	5.50	5.50	32.963498	-117.161790	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	5.50	5.50	32.963498	-117.161790	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	5.60	5.60	32.962778	-117.160327	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	5.70	5.70	32.962059	-117.158865	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	W	5.70	5.70	32.962059	-117.158865	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	5.80	5.80	32.961357	-117.157397	unknown	unknown	unknown	unknown

Biofiltration Swale	11	SD		7	56	W	5.86	5.86	32.960955	-117.156561	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	7	56	W	6.25	6.25	32.957054	-117.151354	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		7	56	E	6.30	6.30	32.956999	-117.150459	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	8	15	N	15.82	15.82	32.915356	-117.115421	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	8	15	N	15.89	15.89	32.916442	-117.116710	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	8	15	N	15.89	15.89	32.916376	-117.115105	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	8	15	N	15.96	15.96	32.917567	-117.116894	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	8	15	N	16.07	16.07	32.919224	-117.116679	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	8	15	S	16.18	16.18	32.920681	-117.115719	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		8	56	W	7.70	7.70	32.954312	-117.127744	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	5	S	29.00	29.00	32.880600	-117.230957	0.14	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	5	N	29.11	29.11	32.881462	-117.221730	0.34	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	5	N	29.14	29.14	32.881766	-117.220783	0.54	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	5	N	29.16	29.16	32.882559	-117.225516	0.47	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	5	S	29.40	29.45	32.886847	-117.228215	12.2	12.5	unknown	unknown
Biofiltration Swale	11	SD	9	9	5	N	29.48	29.48	32.887417	-117.228307	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	5	N	30.06	30.10	32.883879	-117.227748	11.5	12	unknown	unknown
Biofiltration Swale	11	SD	9	9	5	N	30.32	30.38	32.899240	-117.224141	11.7	12.9	unknown	unknown
Biofiltration Swale	11	SD	9	9	5	S	30.40	30.45	32.900641	-117.225431	12	12	unknown	unknown
Biofiltration Swale	11	SD	9	9	805	N	26.40	26.40	32.881741	-117.201341	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	805	N	26.40	26.40	32.881741	-117.201341	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	805	N	26.40	26.40	32.881741	-117.201341	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	805	N	26.40	26.40	32.881741	-117.201341	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	805	N	26.40	26.40	32.881741	-117.201341	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	805	N	26.40	26.40	32.881741	-117.201341	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	805	N	26.40	26.40	32.881741	-117.201341	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	805	N	26.70	26.73	32.885997	-117.202838	13.3	3	unknown	unknown
Biofiltration Swale	11	SD	9	9	805	N	26.85	26.85	32.889406	-117.201727	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	805	N	26.97	26.97	32.890101	-117.204193	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	805	S	27.00	27.00	32.888474	-117.206477	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	805	S	27.00	27.00	32.888517	-117.206488	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	805	S	27.14	27.14	32.889617	-117.208082	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	805	S	27.20	27.20	32.890964	-117.208124	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	9	805	S	27.24	27.24	32.891017	-117.208822	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	0.17	0.17	32.805499	-116.962107	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	0.45	0.45	32.809484	-116.961999	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	0.46	0.46	32.809703	-116.961998	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	0.62	0.62	32.812025	-116.961901	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	0.81	0.81	32.814789	-116.961446	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	1.20	1.20	32.820354	-116.960644	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	1.43	1.43	32.823604	-116.961374	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	1.50	1.50	32.824590	-116.961616	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	1.73	1.73	32.827909	-116.961903	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	1.83	1.83	32.829363	-116.961920	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	1.90	1.90	32.830381	-116.961932	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	2.34	2.34	32.836777	-116.962108	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	2.97	2.97	32.845244	-116.958554	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	3.05	3.05	32.846038	-116.957554	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	3.06	3.06	32.846137	-116.957429	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	3.49	3.49	32.850477	-116.952118	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	3.52	3.52	32.850811	-116.951772	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	3.75	3.75	32.853406	-116.949180	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	3.85	3.85	32.854416	-116.947956	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	3.95	3.95	32.855052	-116.946693	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	4.03	4.03	32.855415	-116.945408	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	4.05	4.05	32.855467	-116.945073	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	4.22	4.22	32.855742	-116.942246	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	4.32	4.32	32.855913	-116.940568	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	4.75	4.75	32.857828	-116.933414	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	4.85	4.85	32.858351	-116.931741	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	5.15	5.15	32.859937	-116.926770	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD		10	67	N	5.45	5.45	32.862511	-116.923160	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	11	94	W	2.20	2.20	32.713858	-117.133204	0.55	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	11	94	E	2.25	2.25	32.712445	-117.133323	0.74	unknown	unknown	unknown
Biofiltration Swale	11	SD		11	94	E	2.85	2.85	32.715558	-117.123325	unknown	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	11	94	M	2.90	2.90	32.716056	-117.120796	8.69	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	11	94	E	7.50	7.50	32.738207	-117.054268	3.1	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	11	94	E	7.50	7.50	32.738988	-117.053543	0.7	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	11	94	E	7.50	7.50	32.739603	-117.052886	2.21	unknown	unknown	unknown
Biofiltration Swale	11	SD	9	13	0		41.57	41.57	33.048964	-117.288034	4.47	1.65	unknown	unknown
Biofiltration Swale	11	SD	9	13	5	N	41.39	41.46	33.046544	-117.286673	5	2.7	unknown	unknown
Biofiltration Swale	11	SD	9	13	5	S	41.44	41.51	33.047760	-117.287944	4	2.7	unknown	unknown
Biofiltration Swale	11	SD	9	13	5	S	41.49	41.49	33.047882	-117.287667	2.55	1.75	unknown	unknown
Biofiltration Swale	11	SD	9	13	5	N	41.54	41.61	33.048960	-117.286859	5	2.7	unknown	unknown
Biofiltration Swale	11	SD	9	13	5	N	41.55	41.55	33.048851	-117.287037	2.62	0.53	unknown	unknown
Biofiltration Swale	11	SD	9	13	5	S	41.56	41.66	33.049030	-117.288163	4	2.7	unknown	unknown
Detention Basin	12	ORA	9	1	73	S	16.30	16.30	33.589305	-117.751411	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	73	N	16.31	16.31	33.590260	-117.750872	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	73	S	16.40	16.40	33.590172	-117.753762	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	73	N	16.47	16.47	33.590048	-117.753703	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	73	S	16.80	16.80	33.592711	-117.761270	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	73	N	16.81	16.81	33.592517	-117.758021	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	73	S	16.82	16.82	33.590784	-117.759944	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	73	N	17.34	17.34	33.596466	-117.764500	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		1	73	N	17.38	17.38	33.597461	-117.767381	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	73	S	18.31	18.31	33.600873	-117.781563	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		1	73	S	18.31	18.31	33.601752	-117.782198	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		1	73	S	18.50	18.50	33.602414	-117.785416	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		1	73	N	18.60	18.60	33.602570	-117.787076	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		1	73	S	18.60	18.60	33.602570	-117.787076	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		1	73	N	18.67	18.67	33.602704	-117.788229	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	73	N	18.67	18.67	33.603163	-117.786317	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	73	S	18.77	18.77	33.602056	-117.788495	unknown	unknown	unknown	unknown

Detention Basin	12	ORA		1	73	S	18.77	18.77	33.603099	-117.789875	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		1	73	S	18.77	18.77	33.603104	-117.789891	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	73	S	18.96	18.96	33.602691	-117.791505	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	133	N	3.97	3.97	33.590593	-117.759957	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	133	S	3.97	3.97	33.590632	-117.759938	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	133	N	4.09	4.09	33.592618	-117.761409	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	133	N	4.10	4.10	33.592511	-117.758017	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	1	133	N	4.11	4.11	33.592543	-117.758054	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		1	133	S	4.50	4.50	33.598029	-117.761662	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		1	133	N	5.00	5.00	33.604930	-117.761601	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		1	133	S	5.20	5.20	33.607680	-117.760847	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		1	133	N	6.10	6.10	33.619745	-117.756811	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	2	73	N	10.44	10.44	33.546060	-117.674902	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	2	73	S	10.70	10.70	33.546054	-117.675178	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	2	73	N	11.63	11.63	33.557829	-117.681241	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	3	5	N	6.91	6.91	33.468637	-117.672268	3.9	unknown	unknown	unknown
Detention Basin	12	ORA	9	3	5	N	6.92	6.92	33.468336	-117.671639	unknown	unknown	unknown	unknown
Detention Basin	11	SD	9	6	5	N	37.30	37.30	32.994494	-117.255812	unknown	unknown	unknown	unknown
Detention Basin	11	SD	9	6	5	N	37.46	37.46	32.996836	-117.256067	unknown	unknown	unknown	unknown
Detention Basin	11	SD		7	5	S	32.50	32.50	32.926524	-117.239774	unknown	unknown	unknown	unknown
Detention Basin	11	SD		7	56	N	3.80	3.80	32.957678	-117.184940	unknown	unknown	unknown	unknown
Detention Basin	11	SD	9	8	15	N	19.39	19.39	32.963464	-117.095421	unknown	unknown	unknown	unknown
Detention Basin	11	SD	9	9	805	N	26.65	26.65	32.885282	-117.202600	12.5	60	unknown	unknown
Detention Basin	11	SD	9	9	805	N	27.23	27.23	32.890505	-117.208922	12.5	60	unknown	unknown
Detention Basin	11	SD	9	10	125	N	19.78	19.78	32.803026	-117.005062	unknown	unknown	unknown	unknown
Detention Basin	11	SD		10	125	S	19.99	19.99	32.806095	-117.005478	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		12	73	N	11.70	11.70	33.557891	-117.684426	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		12	73	S	11.70	11.70	33.557891	-117.684426	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		12	73	S	11.82	11.82	33.558214	-117.686364	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	12	73	S	12.17	12.17	33.558857	-117.691198	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		12	73	S	12.17	12.17	33.560118	-117.691591	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		12	73	N	12.17	12.17	33.560118	-117.691591	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	12	73	N	12.97	12.97	33.568534	-117.701164	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	12	73	S	13.00	13.00	33.568598	-117.701244	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	12	73	N	13.37	13.37	33.574145	-117.705243	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	12	73	N	13.39	13.39	33.574111	-117.705197	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		12	73	S	13.47	13.47	33.573996	-117.707113	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	12	73	S	13.65	13.65	33.573856	-117.708366	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		12	73	S	13.65	13.65	33.575134	-117.709939	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	12	73	S	13.98	13.98	33.576518	-117.715192	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	12	73	S	14.23	14.23	33.575845	-117.713230	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	12	73	S	14.30	14.30	33.576213	-117.714171	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	12	73	S	14.40	14.40	33.580259	-117.722220	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		12	73	N	14.40	14.40	33.580501	-117.721120	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	12	73	N	14.43	14.43	33.580751	-117.719763	unknown	unknown	unknown	unknown
Detention Basin	12	ORA		12	73	N	14.43	14.43	33.580778	-117.721517	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	12	73	N	15.10	15.10	33.587900	-117.732177	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	9	12	73	N	15.20	15.20	33.587939	-117.731955	unknown	unknown	unknown	unknown
Infiltration Basin	11	SD	9	10	163	N	3.87	3.87	32.764186	-117.162367	2.39	unknown	unknown	unknown
Infiltration Basin	11	SD	9	11	15	S	1.56	1.56	32.707448	-117.120625	unknown	unknown	unknown	unknown
Infiltration Basin	11	SD	9	11	15	S	1.79	1.79	32.710784	-117.119746	unknown	unknown	unknown	unknown
Infiltration Trench	11	SD	9	11	15	S	1.60	1.60	32.708053	-117.120572	3.09	unknown	unknown	unknown
Infiltration Trench	11	SD	9	11	15	S	1.80	1.80	32.711258	-117.119831	2.57	unknown	unknown	unknown
Infiltration Trench	11	SD		11	15	S	1.82	1.82	32.711242	-117.119059	unknown	unknown	unknown	unknown
Infiltration Trench	11	SD	9	11	15	S	2.10	2.10	32.715615	-117.118134	1.67	unknown	unknown	unknown
Infiltration Trench	11	SD	9	11	15	S	3.10	3.10	32.715619	-117.118134	2.6	unknown	unknown	unknown
Infiltration Trench	11	SD	9	11	94	E	2.60	2.60	32.714010	-117.125639	2.53	unknown	unknown	unknown
Infiltration Trench	11	SD		11	94	E	2.65	2.65	32.714523	-117.126653	unknown	unknown	unknown	unknown
Infiltration Trench	11	SD	9	11	94	M	3.30	3.30	32.717097	-117.115853	3.2	unknown	unknown	unknown
Infiltration Trench	11	SD	9	11	94	M	3.30	3.30	32.717378	-117.114571	7.2	unknown	unknown	unknown
Infiltration Trench	11	SD	9	11	805	M	14.80	14.80	32.734388	-117.112672	28	unknown	unknown	unknown
Infiltration Trench	11	SD	9	11	805	S	15.40	15.40	32.741883	-117.117466	17	unknown	unknown	unknown
Other	12	ORA		1	73	S	16.29	16.29	33.590665	-117.750553	unknown	unknown	unknown	unknown
Other	12	ORA		1	73	N	16.80	16.80	33.592269	-117.759224	unknown	unknown	unknown	unknown
Other	12	ORA		1	73	S	16.82	16.82	33.592404	-117.759549	unknown	unknown	unknown	unknown
Other	11	SD	9	4	15	S	46.38	46.38	33.329395	-117.160140	0.03	unknown	unknown	unknown
Other	11	SD	9	4	15	N	46.40	46.40	33.329491	-117.158985	0.25	unknown	unknown	unknown
Other	11	SD	9	4	15	S	46.40	46.40	33.329906	-117.159638	0.03	unknown	unknown	unknown
Other	11	SD	9	4	15	N	46.60	46.60	33.332239	-117.158929	0.24	unknown	unknown	unknown
Other	11	SD	9	4	15	S	46.60	46.60	33.332800	-117.159602	0.22	unknown	unknown	unknown
Other	11	SD	9	4	76	N	17.08	17.08	33.329182	-117.162242	0.12	0.01	unknown	unknown
Other	11	SD	9	4	76	N	17.08	17.08	33.329182	-117.162242	0.12	0.01	unknown	unknown
Other	11	SD	9	4	76	N	17.08	17.08	33.329111	-117.162161	0.17	0.02	unknown	unknown
Other	11	SD	9	4	76	N	17.09	17.09	33.329535	-117.162473	0.05	0.01	unknown	unknown
Other	11	SD	9	4	76	N	17.09	17.09	33.329185	-117.162020	0.33	0.02	unknown	unknown
Other	11	SD	9	4	76	E	17.10	17.10	33.329345	-117.162076	0.13	0.02	unknown	unknown
Other	11	SD	9	4	76	N	17.10	17.10	33.329312	-117.161993	0.11	0.16	unknown	unknown
Other	11	SD	9	4	76	N	17.11	17.11	33.329919	-117.162230	0.15	0.01	unknown	unknown
Other	11	SD	9	4	76	N	17.12	17.12	33.329594	-117.161825	1.61	0.05	unknown	unknown
Other	11	SD	9	4	76	N	17.13	17.13	33.330174	-117.162209	0.26	0.02	unknown	unknown
Other	11	SD	9	5	76	W	46.40	46.40	33.249712	-116.787081	unknown	unknown	unknown	unknown
Other	11	SD	9	5	76	W	46.40	46.40	33.249712	-116.787081	unknown	unknown	unknown	unknown
Other	11	SD	9	5	76	W	46.60	46.60	33.247668	-116.784728	unknown	unknown	unknown	unknown
Other	11	SD	9	5	76	W	46.60	46.60	33.247668	-116.784728	unknown	unknown	unknown	unknown
Other	11	SD	9	5	76	W	46.60	46.60	33.247668	-116.784728	unknown	unknown	unknown	unknown
Other	11	SD		7	56	E	0.82	0.82	32.937271	-117.229084	unknown	unknown	unknown	unknown
Other	11	SD	9	7	56	W	0.87	0.87	32.937765	-117.228343	unknown	unknown	unknown	unknown
Other	11	SD		7	56	E	1.00	1.00	32.938131	-117.226195	unknown	unknown	unknown	unknown
Other	11	SD		7	56	E	1.70	1.70	32.942756	-117.215623	unknown	unknown	unknown	unknown
Other	11	SD	9	7	56	W	1.83	1.83	32.943921	-117.213708	unknown	unknown	unknown	unknown
Other	11	SD	9	9	5	S	29.07	29.07	32.881446	-117.229624	1.08	unknown	unknown	unknown
Other	11	SD	9	9	5	N	29.14	29.14	32.882085	-117.223440	0.65	unknown	unknown	unknown
Other	11	SD	9	9	5	N	29.15	29.15	32.882151	-117.223232	0.75	unknown	unknown	unknown

Other	11	SD	9	9	5	N	29.15	29.15	32.882194	-117.223747	0.57	unknown	unknown	unknown
Other	11	SD	9	9	5	N	29.16	29.16	32.882336	-117.223895	0.52	unknown	unknown	unknown
Other	11	SD		10	67		1.80	1.80	32.828927	-116.961915	unknown	unknown	unknown	unknown
Other	11	SD		10	805		21.80	21.80	32.823606	-117.163564	unknown	unknown	unknown	unknown
Other	11	SD		10	805		21.80	21.80	32.823606	-117.163564	unknown	unknown	unknown	unknown
Other	12	ORA		12	73	S	13.80	13.80	33.575983	-117.712280	unknown	unknown	unknown	unknown
Other	12	ORA		12	73	N	13.80	13.80	33.575983	-117.712280	unknown	unknown	unknown	unknown
Traction Sand Trap	12	ORA	9	3	5	N	3.32	3.32	33.438292	-117.621120	3.57	unknown	unknown	unknown

Treatment BMP List - Rainbow Creek Nitrogen and Phosphorus TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Redwood Creek Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	1	HUM	1	2	299	W	23.81	23.81	40.915113	-123.802066	0.27	unknown	unknown	unknown
Biofiltration Swale	1	HUM	1	2	299	W	21.39	21.39	40.904626	-123.826688	1.02	unknown	unknown	unknown
Biofiltration Swale	1	HUM	1	2	299	W	23.82	23.82	40.915072	-123.801867	0.85	unknown	unknown	unknown

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Treatment BMP List - Revolon Slough and Beardsley Wash Trash TMDL

BMP Type	District	County Code	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Regional Board	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	VEN	1	101	S	15.90	15.90	34.218874	-119.070024	4	1	unknown	unknown	unknown
Austin Sand Filter	7	VEN	1	101	S	15.99	15.99	34.219285	-119.071541	4	unknown	unknown	unknown	unknown
Biofiltration Strip	7	VEN	1	101	N	15.20	15.20	34.218666	-119.060185	4	1.89	0.22	unknown	unknown
Biofiltration Strip	7	VEN	1	101	N	15.70	15.70	34.219343	-119.068260	4	1.24	unknown	unknown	unknown
Biofiltration Strip	7	VEN	1	101	N	15.90	15.90	34.219473	-119.070068	4	1.6	1.34	unknown	unknown
Biofiltration Strip	7	VEN	1	101	N	16.60	16.60	34.219796	-119.082528	4	1.65	unknown	unknown	unknown
Biofiltration Strip	7	VEN	1	101	N	16.60	16.60	34.221015	-119.089752	4	1	unknown	unknown	unknown
Biofiltration Strip	7	VEN	1	101	N	18.30	18.30	34.222201	-119.111629	4	1.84	0.66	unknown	unknown
Biofiltration Strip	7	VEN	1	101	N	18.30	18.30	34.222204	-119.111599	4	1.01	0.62	unknown	unknown
Biofiltration Strip	7	VEN	1	101	S	16.63	16.63	34.220397	-119.089588	4	1.7	unknown	unknown	unknown
Biofiltration Strip	7	VEN	1	101	S	16.63	16.63	34.220635	-119.083059	4	1	unknown	unknown	unknown
Biofiltration Strip	7	VEN	1	101	S	16.90	16.90	34.220301	-119.087337	4	6.02	1.92	unknown	unknown
Biofiltration Strip	7	VEN	1	101	S	17.00	17.00	34.220474	-119.089061	4	1.74	0.2	unknown	unknown
Biofiltration Strip	7	VEN	1	101	S	17.00	17.00	34.220492	-119.089045	4	0.91	0.41	unknown	unknown
Biofiltration Strip	7	VEN	1	101	S	17.30	17.30	34.220893	-119.094244	4	1.19	0.72	unknown	unknown
Biofiltration Strip	7	VEN	1	101	S	17.70	17.70	34.221437	-119.101200	4	1.89	0.48	unknown	unknown
Biofiltration Swale	7	VEN	1	34	E	8.10	8.10	34.196678	-119.110559	4	0.49	1.33	unknown	unknown
Biofiltration Swale	7	VEN	1	34	E	8.20	8.20	34.196662	-119.108763	4	0.29	0.48	unknown	unknown
Biofiltration Swale	7	VEN	1	34	E	8.40	8.40	34.196617	-119.104981	4	0.34	0.3	unknown	unknown
Biofiltration Swale	7	VEN	1	34	E	13.30	13.30	34.212836	-119.036286	4	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	1	34	W	6.70	6.70	34.196846	-119.135364	4	0.93	2.46	unknown	unknown
Biofiltration Swale	7	VEN	1	34	W	8.20	8.20	34.196662	-119.108763	4	0.29	0.06	unknown	unknown
Biofiltration Swale	7	VEN	1	34	W	8.40	8.40	34.196617	-119.104981	4	0.27	0.06	unknown	unknown
Biofiltration Swale	7	VEN	1	101	N	14.80	14.80	34.217838	-119.049546	4	1.21	0.67	unknown	unknown
Biofiltration Swale	7	VEN	1	101	N	14.84	14.84	34.217682	-119.051193	4	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	1	101	N	17.70	17.70	34.221918	-119.101129	4	0.66	0.45	unknown	unknown
Biofiltration Swale	7	VEN	1	101	N	18.20	18.20	34.222206	-119.109846	4	1.12	0.66	unknown	unknown
Biofiltration Swale	7	VEN	1	101	N	18.60	18.60	34.222235	-119.116851	4	1.08	unknown	unknown	unknown
Biofiltration Swale	7	VEN	1	101	N	18.80	18.80	34.222257	-119.120332	4	0.83	0.77	unknown	unknown
Biofiltration Swale	7	VEN	1	101	N	19.10	19.10	34.222283	-119.125583	4	0.9	0.67	unknown	unknown
Biofiltration Swale	7	VEN	1	101	N	19.20	19.20	34.222103	-119.131739	4	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	1	101	N	19.20	19.20	34.222303	-119.127321	4	0.44	0.52	unknown	unknown
Biofiltration Swale	7	VEN	1	101	N	21.00	21.00	34.225446	-119.158222	4	1.05	unknown	unknown	unknown
Biofiltration Swale	7	VEN	1	101	S	15.70	15.70	34.218610	-119.067044	4	2.68	0.19	unknown	unknown
Biofiltration Swale	7	VEN	1	101	S	15.80	15.80	34.219027	-119.068274	4	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	1	101	S	17.20	17.20	34.220959	-119.092490	4	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	1	101	S	17.50	17.50	34.221399	-119.097686	4	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	1	101	S	17.80	17.80	34.221574	-119.102887	4	0.8	0.4	unknown	unknown
Biofiltration Swale	7	VEN	1	101	S	19.10	19.10	34.221880	-119.125607	4	0.76	0.65	unknown	unknown
Biofiltration Swale	7	VEN	1	101	S	19.20	19.20	34.221855	-119.127356	4	0.47	0.66	unknown	unknown
Biofiltration Swale	7	VEN	1	101	S	19.20	19.20	34.222103	-119.131739	4	unknown	unknown	unknown	unknown
Infiltration Trench	7	VEN	1	34		6.33	6.33	34.196843	-119.141307	4	0.52	unknown	unknown	unknown
Infiltration Trench	7	VEN	1	34		6.38	6.38	34.196854	-119.140488	4	1.35	unknown	unknown	unknown
Infiltration Trench	7	VEN	1	34		6.70	6.70	34.196844	-119.135243	4	1	unknown	unknown	unknown

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Treatment BMP List - Rhine Channel Area of the Lower Newport Bay Chromium and Mercury TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Richardson Bay Pathogens TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Sacramento - San Joaquin River Delta Estuary Methyl Mercury TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	4	CC	5	1	4	W	25.99	25.99	38.004990	-121.837756	0.4	unknown	unknown	unknown
Biofiltration Strip	4	CC	5	1	4	E	26.04	26.04	38.003303	-121.837375	0.3	unknown	unknown	unknown
Biofiltration Strip	4	CC	5	1	4	W	26.17	26.17	38.003433	-121.834807	0.4	unknown	unknown	unknown
Biofiltration Strip	4	CC	5	1	4	E	29.01	29.01	37.995693	-121.784209	0.6	unknown	unknown	unknown
Biofiltration Strip	4	CC	5	1	4	W	29.02	29.02	37.996216	-121.784103	0.6	unknown	unknown	unknown
Biofiltration Strip	3	SAC	5	2	5	S	12.40	12.40	38.431275	-121.488423	unknown	unknown	unknown	unknown
Biofiltration Strip	3	SAC	5	2	5	N	14.11	14.11	38.456120	-121.493672	unknown	unknown	unknown	unknown
Biofiltration Strip	3	SAC	5	2	5	S	14.73	14.73	38.464806	-121.496803	unknown	unknown	unknown	unknown
Biofiltration Strip	3	SAC	5	2	5	N	14.75	14.75	38.465464	-121.496319	unknown	unknown	unknown	unknown
Biofiltration Strip	3	SAC	5	2	5	S	15.41	15.41	38.473175	-121.501983	unknown	unknown	unknown	unknown
Biofiltration Strip	3	SAC	5	2	5	N	16.00	16.00	38.479600	-121.508739	unknown	unknown	unknown	unknown
Biofiltration Strip	3	SAC	5	2	5	N	16.05	16.05	38.479972	-121.509392	unknown	unknown	unknown	unknown
Biofiltration Strip	3	SAC	5	2	5	S	16.26	16.26	38.482639	-121.511603	unknown	unknown	unknown	unknown
Biofiltration Strip	3	SAC	5	2	5	S	16.59	16.59	38.487286	-121.513531	unknown	unknown	unknown	unknown
Biofiltration Strip	3	SAC	5	2	5	N	16.60	16.60	38.487475	-121.512892	unknown	unknown	unknown	unknown
Biofiltration Strip	3	SAC	5	2	5	N	17.04	17.04	38.493692	-121.515012	unknown	unknown	unknown	unknown
Biofiltration Strip	3	SAC	5	2	5	S	17.09	17.09	38.494000	-121.516803	unknown	unknown	unknown	unknown
Biofiltration Strip	4	CC	5	3	4	W	44.40	44.40	37.889800	-121.640400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	CC	5	3	4	W	44.70	44.70	37.889300	-121.635400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	CC	5	3	4	E	45.60	45.60	37.889400	-121.619000	unknown	unknown	unknown	unknown
Biofiltration Strip	4	CC	5	3	4	W	46.00	46.00	37.889700	-121.611200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	CC	5	3	4	E	46.20	46.20	37.890000	-121.607700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	CC	5	3	4	E	46.80	46.80	37.890200	-121.596200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	CC	5	3	4	E	47.30	47.30	37.890100	-121.587200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	CC	5	3	4	W	48.00	48.00	37.890100	-121.576200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	23.92	23.95	38.013180	-121.875133	1.95	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	24.51	24.55	38.011266	-121.866038	5.76	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	25.06	25.08	38.008522	-121.855430	2.84	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	W	26.00	26.00	38.004753	-121.837280	2.9	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	W	26.03	26.03	38.004586	-121.837155	2.6	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	26.06	26.06	38.003122	-121.836980	2.3	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	W	26.79	26.79	38.000647	-121.823959	10.6	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	28.90	28.90	37.996025	-121.786060	2.9	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	29.60	29.60	37.993919	-121.773994	0.6	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	29.68	29.68	37.993709	-121.772674	1	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	29.69	29.69	37.993660	-121.772377	1.6	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	29.88	29.88	37.992866	-121.769195	0.7	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	W	30.72	30.72	37.990200	-121.756200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	30.72	30.72	37.990200	-121.756200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	30.84	30.84	37.989700	-121.754300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	30.98	30.98	37.988700	-121.752100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	30.99	30.99	37.988700	-121.752000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	31.06	31.06	37.988000	-121.751000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	31.10	31.10	37.987500	-121.750500	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	31.24	31.24	37.985700	-121.749100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	31.54	31.54	37.981600	-121.746100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	31.74	31.74	37.978900	-121.744200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	32.67	32.67	37.965100	-121.739900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	32.67	32.67	37.965100	-121.739900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	35.47	35.47	37.927000	-121.733500	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	35.55	35.55	37.925900	-121.733100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	W	35.75	35.75	37.923000	-121.732300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	E	35.83	35.83	37.921800	-121.732100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	1	4	W	37.43	37.43	37.901800	-121.719500	unknown	unknown	unknown	unknown
Biofiltration Swale	3	SAC	5	2	5	N	10.88	10.88	38.409482	-121.483907	unknown	unknown	unknown	unknown
Biofiltration Swale	3	SAC	5	2	5	N	10.91	10.91	38.409984	-121.484010	unknown	unknown	unknown	unknown
Biofiltration Swale	3	SAC	5	2	5	N	11.00	11.00	38.411245	-121.484269	unknown	unknown	unknown	unknown
Biofiltration Swale	3	SAC	5	2	5	N	12.00	12.00	38.425594	-121.487257	unknown	unknown	unknown	unknown
Biofiltration Swale	3	SAC	5	2	5	N	16.03	16.03	38.479654	-121.509530	unknown	unknown	unknown	unknown
Biofiltration Swale	3	SAC	5	2	5	S	17.10	17.10	38.494413	-121.516068	unknown	unknown	unknown	unknown
Biofiltration Swale	3	SAC	5	2	5	S	17.11	17.11	38.494496	-121.516102	unknown	unknown	unknown	unknown
Biofiltration Swale	3	SAC	5	2	5	S	17.17	17.17	38.495283	-121.516425	unknown	unknown	unknown	unknown
Biofiltration Swale	3	SAC	5	2	5	S	17.17	17.17	38.495352	-121.516453	unknown	unknown	unknown	unknown
Biofiltration Swale	3	SAC	5	2	5	S	17.18	17.18	38.495393	-121.516470	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	5	3	4	E	37.81	37.81	37.897200	-121.714900	unknown	unknown	unknown	unknown
Detention Basin	4	CC	5	1	4	W	24.31	24.27	38.012629	-121.867547	12.35	unknown	unknown	unknown
Detention Basin	4	CC	5	1	4	E	27.01	27.01	37.998805	-121.820465	12.5	unknown	unknown	unknown
Detention Basin	4	CC	5	1	4	E	28.85	28.85	37.996490	-121.787025	unknown	unknown	unknown	unknown
Detention Basin	4	CC	5	1	4	E	28.91	28.91	37.996306	-121.785946	unknown	unknown	unknown	unknown
Detention Basin	4	CC	5	1	4	W	28.96	28.96	37.996152	-121.785042	unknown	unknown	unknown	unknown
Detention Basin	4	CC	5	1	4	W	28.98	28.98	37.996089	-121.784678	unknown	unknown	unknown	unknown
Detention Basin	10	SJ	5	1	5	S	35.49	35.49	38.060453	-121.373469	unknown	unknown	unknown	unknown
Detention Basin	4	CC	5	3	4	W	40.53	40.53	37.897400	-121.670400	unknown	unknown	unknown	unknown
Detention Basin	4	CC	5	3	4	W	41.18	41.18	37.897500	-121.651400	unknown	unknown	unknown	unknown
Infiltration Basin	4	CC	5	1	4	E	28.86	28.86	37.996186	-121.786835	3.9	1.3	unknown	unknown
Infiltration Basin	4	CC	5	1	4	W	28.96	28.96	37.996378	-121.785095	12.3	5.8	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	N	39.31	39.31	38.112570	-121.396085	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	N	39.32	39.32	38.112582	-121.396094	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	S	39.36	39.36	38.113137	-121.396464	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	S	39.36	39.36	38.113149	-121.396472	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	S	39.56	39.56	38.115804	-121.397863	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	N	39.93	39.93	38.120691	-121.400060	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	N	39.93	39.93	38.120704	-121.400064	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	S	39.95	39.95	38.120956	-121.400134	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	S	39.95	39.95	38.120970	-121.400138	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	N	41.45	41.45	38.142783	-121.399250	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	S	41.49	41.49	38.143411	-121.399248	unknown	unknown	unknown	unknown

Infiltration Basin	10	SJ	5	1	5	S	41.49	41.49	38.143426	-121.399248	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	N	41.83	41.83	38.148353	-121.399274	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	S	41.85	41.85	38.148616	-121.399278	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	S	41.85	41.85	38.148631	-121.399278	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	N	47.41	47.41	38.223448	-121.428943	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	N	47.41	47.41	38.223461	-121.428952	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	S	47.45	47.45	38.223929	-121.429283	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	S	47.45	47.45	38.223942	-121.429292	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	N	47.78	47.78	38.228157	-121.432289	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	N	47.78	47.78	38.228170	-121.432298	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	S	47.82	47.82	38.228622	-121.432622	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	1	5	S	47.82	47.82	38.228635	-121.432631	unknown	unknown	unknown	unknown
Infiltration Basin	4	CC	5	3	4	W	43.98	43.98	37.895500	-121.643100	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	S	6.60	6.60	37.683522	-121.343297	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	S	6.76	6.76	37.685867	-121.343297	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	N	6.76	6.76	37.685881	-121.343297	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	N	10.79	10.79	37.744241	-121.343691	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	S	10.86	10.86	37.745276	-121.343695	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	N	10.99	10.99	37.747229	-121.343702	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	S	11.32	11.32	37.751974	-121.343739	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	S	12.07	12.07	37.761752	-121.339248	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	N	12.19	12.19	37.762825	-121.337771	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	S	13.65	13.65	37.777102	-121.318130	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	S	13.79	13.79	37.778535	-121.316194	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	N	13.99	13.99	37.780524	-121.313474	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	N	14.19	14.19	37.782390	-121.310872	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	S	16.26	16.26	37.808704	-121.296706	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	S	16.26	16.26	37.808718	-121.296701	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	N	16.26	16.26	37.808732	-121.296697	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	N	16.26	16.26	37.808746	-121.296692	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	S	16.71	16.71	37.814955	-121.294454	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	S	16.71	16.71	37.814969	-121.294448	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	N	16.74	16.74	37.815372	-121.294292	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	S	17.28	17.28	37.822923	-121.291381	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	N	17.29	17.29	37.822937	-121.291376	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	S	17.77	17.77	37.829605	-121.288802	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	N	17.77	17.77	37.829619	-121.288797	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	N	17.77	17.77	37.829632	-121.288791	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	5	S	24.82	24.82	37.929042	-121.295312	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	120	E	1.19	1.19	37.789933	-121.289764	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	120	E	1.49	1.49	37.788596	-121.284509	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	120	W	1.89	1.89	37.786792	-121.277607	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	205	W	9.30	9.30	37.764878	-121.393619	17	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	205	W	12.62	12.62	37.767099	-121.333385	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	205	E	12.95	12.95	37.768637	-121.328898	unknown	unknown	unknown	unknown
Infiltration Basin	10	SJ	5	3	205	E	12.97	12.97	37.768767	-121.328675	unknown	unknown	unknown	unknown
Traction Sand Trap	3	SAC	5	2	5	N	13.32	13.32	38.444573	-121.491190	unknown	unknown	unknown	unknown
Traction Sand Trap	3	SAC	5	2	50	E	0.02	0.02	38.571086	-121.515666	unknown	unknown	unknown	unknown
Traction Sand Trap	3	YOL	5	2	80	W	8.27	8.27	38.571440	-121.593955	unknown	unknown	unknown	unknown
Wet Basin	4	CC	5	1	4	W	31.26	31.26	37.986000	-121.748300	unknown	unknown	unknown	unknown

Treatment BMP List - San Diego Creek and Newport Bay, including Rhine Channel Metals TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	12	ORA	8	3	73	N	24.47	24.47	33.652761	-117.861359	unknown	unknown	unknown	unknown
Austin Sand Filter	12	ORA	8	3	73	S	24.70	24.70	33.654613	-117.864033	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	3	55	N	7.69	7.69	33.706814	-117.854052	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	3	55	N	7.72	7.72	33.707310	-117.853865	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	3	133	S	8.50	9.30	33.653386	-117.760307	2.4	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	3	405	S	2.40	2.74	33.653865	-117.771003	4.43	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	3	405	S	3.05	3.68	33.659747	-117.782359	7.8	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	3	405	S	5.43	5.43	33.668433	-117.819659	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	3	405	S	5.67	5.67	33.668854	-117.823968	0.38	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	3	405	N	5.72	5.72	33.670263	-117.824337	0.39	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	3	405	S	6.17	6.17	33.672446	-117.831636	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	4	5		24.97	24.97	33.688972	-117.769141	0.5	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	4	241	N	29.00	29.00	33.741891	-117.717952	7.65	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	4	241	S	29.65	29.65	33.748578	-117.725284	0.16	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	133	N	6.56	6.56	33.626078	-117.757446	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	133	N	6.67	6.67	33.627460	-117.758945	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	133	N	7.13	7.13	33.633571	-117.761304	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	133	N	7.22	7.22	33.634745	-117.761010	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	133	N	7.50	7.50	33.638939	-117.760766	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	133	N	7.84	7.84	33.643661	-117.761747	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	405	N	3.59	3.59	33.662831	-117.788805	2.5	1.1	unknown	unknown
Biofiltration Swale	12	ORA	8	4	5	N	24.00	24.00	33.679001	-117.757803	1.25	1.58	unknown	unknown
Biofiltration Swale	12	ORA	8	4	5	W	24.93	24.93	33.687173	-117.770799	0.26	unknown	0.3	0.1
Biofiltration Swale	12	ORA	8	4	5		24.95	24.95	33.688434	-117.769377	2.71	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	5	N	26.73	26.73	33.710556	-117.784690	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	133	S	10.24	10.24	33.679688	-117.753182	0.48	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	133	S	10.31	10.31	33.679303	-117.752775	0.91	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	241	N	28.80	28.80	33.738792	-117.717361	1.24	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	241	N	28.87	28.87	33.739897	-117.717438	1.65	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	241	S	29.75	29.75	33.749968	-117.728090	2.02	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	261	N	0.27	0.27	33.715160	-117.798156	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	261	S	0.72	0.72	33.719088	-117.792076	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	261	N	0.87	0.87	33.720228	-117.790040	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	261	N	1.26	1.26	33.723159	-117.784199	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	261	S	1.36	1.36	33.723871	-117.782751	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	261	N	1.81	1.81	33.728391	-117.777154	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	261	S	2.04	2.04	33.731115	-117.774872	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	261	N	2.11	2.11	33.731999	-117.774136	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	261	S	2.39	2.39	33.735229	-117.771449	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	261	S	2.74	2.74	33.739392	-117.767971	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	5	55	N	5.44	5.44	33.680900	-117.878000	1.6	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	19.00	19.00	33.604488	-117.793540	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	N	19.49	19.49	33.607508	-117.801321	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	19.51	19.51	33.607629	-117.801633	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	N	19.51	19.51	33.607629	-117.801633	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	N	19.51	19.51	33.607776	-117.799313	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	N	19.51	19.51	33.607635	-117.801649	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	19.61	19.61	33.607200	-117.802587	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	21.50	21.50	33.622588	-117.828414	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	21.53	21.53	33.623487	-117.828815	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	N	21.53	21.53	33.624001	-117.827577	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	22.27	22.27	33.629338	-117.838848	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	N	22.34	22.34	33.630765	-117.839516	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	N	22.40	22.40	33.631401	-117.840541	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	22.40	22.40	33.630051	-117.840928	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	N	22.42	22.42	33.630734	-117.839486	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	22.50	22.50	33.629446	-117.839120	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	22.50	22.50	33.630218	-117.842283	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	22.51	22.51	33.630029	-117.840977	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	N	22.51	22.51	33.631148	-117.842650	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	23.50	23.50	33.636884	-117.856213	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	23.51	23.51	33.637833	-117.857407	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	23.51	23.51	33.638548	-117.857207	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	23.60	23.60	33.639563	-117.858127	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	23.60	23.76	33.640229	-117.861344	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	23.60	23.60	33.640855	-117.859788	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	N	23.60	23.60	33.642449	-117.859091	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	23.62	23.62	33.639445	-117.858648	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	23.62	23.62	33.639796	-117.858330	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	N	24.00	24.00	33.645151	-117.860435	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	N	24.20	24.20	33.648683	-117.860324	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	N	24.35	24.35	33.650137	-117.862003	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	S	24.50	24.50	33.650072	-117.862055	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	N	24.50	24.50	33.653126	-117.861685	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	73	N	24.70	24.70	33.652803	-117.861543	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	3	133	E	10.33	10.33	33.678212	-117.751366	unknown	unknown	unknown	unknown
DPP (Design Pollution Prevention)	12	ORA	8	4	261	N	0.05	0.24	33.712391	-117.800515	unknown	2.26	unknown	unknown
Gross Solids Removal Device	12	ORA	8	3	73	S	22.40	22.40	33.630154	-117.840890	unknown	unknown	unknown	unknown
Gross Solids Removal Device	12	ORA	8	3	73	S	22.41	22.41	33.629948	-117.841034	unknown	unknown	unknown	unknown
Gross Solids Removal Device	12	ORA	8	3	73	N	22.42	22.42	33.630719	-117.841215	unknown	unknown	unknown	unknown
Infiltration Trench	12	ORA	8	4	133	S	10.42	10.42	33.680870	-117.752028	0.48	unknown	unknown	unknown
Other	12	ORA	8	3	5	N	23.59	23.59	33.672673	-117.755359	0.18	unknown	unknown	unknown
Other	12	ORA	8	3	5	S	23.61	23.61	33.673065	-117.756467	0.35	unknown	unknown	unknown
Other	12	ORA	8	3	73	S	22.50	22.50	33.631100	-117.842490	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	73	N	22.50	22.50	33.631100	-117.842490	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	73	S	22.51	22.51	33.631148	-117.842650	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	73	S	22.51	22.51	33.631153	-117.842666	unknown	unknown	unknown	unknown

Other	12	ORA	8	3	73	S	22.60	22.60	33.631578	-117.844089	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	73	S	22.60	22.60	33.631583	-117.844104	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	73	S	24.40	24.40	33.650753	-117.861736	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	73	S	24.50	24.50	33.652147	-117.862235	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	73	N	24.70	24.70	33.654613	-117.864033	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	133	N	13.08	13.08	33.710458	-117.724342	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.40	25.40	33.698110	-117.697792	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.40	25.40	33.698121	-117.697816	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.40	25.40	33.698133	-117.697841	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.41	25.41	33.698144	-117.697865	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.41	25.41	33.698168	-117.697915	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.41	25.41	33.698174	-117.697927	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.41	25.41	33.698180	-117.697940	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.41	25.41	33.698186	-117.697952	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.41	25.41	33.698192	-117.697965	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.41	25.41	33.698198	-117.697977	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.42	25.42	33.698204	-117.697990	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.42	25.42	33.698210	-117.698002	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.42	25.42	33.698217	-117.698015	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.58	25.58	33.699198	-117.700049	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.58	25.58	33.699210	-117.700074	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.58	25.58	33.699222	-117.700099	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.59	25.59	33.699235	-117.700124	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.59	25.59	33.699247	-117.700149	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.59	25.59	33.699253	-117.700162	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	N	25.74	25.74	33.700195	-117.702140	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	S	25.87	25.87	33.701046	-117.703912	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	S	25.87	25.87	33.701072	-117.703966	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	S	25.88	25.88	33.701098	-117.704021	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	S	25.95	25.95	33.701592	-117.705038	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	S	25.95	25.95	33.701620	-117.705095	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	S	25.96	25.96	33.701662	-117.705180	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	S	25.96	25.96	33.701669	-117.705195	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	S	25.96	25.96	33.701676	-117.705209	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	S	25.96	25.96	33.701684	-117.705223	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	S	25.96	25.96	33.701691	-117.705237	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	S	25.97	25.97	33.701698	-117.705252	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	S	25.97	25.97	33.701705	-117.705266	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	S	25.97	25.97	33.701712	-117.705280	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	S	25.97	25.97	33.701719	-117.705294	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	241	S	25.97	25.97	33.701726	-117.705309	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	5	N	23.94	23.94	33.677819	-117.757567	1.52	unknown	unknown	unknown
Other	12	ORA	8	4	5	N	24.07	24.07	33.679167	-117.759117	0.92	unknown	unknown	unknown
Other	12	ORA	8	4	5	S	24.14	24.14	33.679269	-117.760461	0.92	unknown	unknown	unknown
Other	12	ORA	8	4	133	N	13.20	13.20	33.712146	-117.723603	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	133	N	13.24	13.24	33.712777	-117.723323	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	133	N	13.25	13.25	33.712871	-117.723281	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	133	N	13.25	13.25	33.712903	-117.723267	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	133	N	13.29	13.29	33.713565	-117.722973	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	133	N	13.29	13.29	33.713596	-117.722959	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	133	S	13.29	13.29	33.713628	-117.722945	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	133	S	13.30	13.30	33.713659	-117.722931	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	133	N	13.31	13.31	33.713872	-117.722831	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	133	N	13.31	13.31	33.713917	-117.722809	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	133	S	13.32	13.32	33.713945	-117.722795	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	133	S	13.32	13.32	33.713973	-117.722781	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	133	S	13.35	13.35	33.714418	-117.722560	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	N	0.19	0.19	33.714229	-117.799119	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	N	0.19	0.19	33.714253	-117.799097	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	N	0.19	0.19	33.714275	-117.799074	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	N	0.20	0.20	33.714297	-117.799052	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	N	0.20	0.20	33.714319	-117.799029	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	N	0.20	0.20	33.714330	-117.799017	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	N	0.20	0.20	33.714341	-117.799006	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	N	0.20	0.20	33.714352	-117.798995	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	N	0.20	0.20	33.714363	-117.798983	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	N	0.20	0.20	33.714374	-117.798972	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	N	0.20	0.20	33.714385	-117.798960	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	N	0.21	0.21	33.714397	-117.798949	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	N	0.21	0.21	33.714408	-117.798938	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	N	0.21	0.21	33.714419	-117.798926	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	N	0.21	0.21	33.714430	-117.798915	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	S	0.24	0.24	33.714736	-117.798612	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	S	0.24	0.24	33.714759	-117.798589	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	S	0.24	0.24	33.714782	-117.798567	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	S	0.24	0.24	33.714805	-117.798545	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	S	0.24	0.24	33.714828	-117.798522	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	S	0.25	0.25	33.714851	-117.798500	unknown	unknown	unknown	unknown
Other	12	ORA	8	4	261	S	0.25	0.25	33.714874	-117.798478	unknown	unknown	unknown	unknown

Treatment BMP List - San Diego Creek and Upper Newport Bay Cadmium TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	12	ORA	8	2	73	N	24.47	24.47	33.652761	-117.861359	unknown	unknown	unknown	unknown
Austin Sand Filter	12	ORA	8	2	73	S	24.70	24.70	33.654613	-117.864033	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	2	55	N	7.69	7.69	33.706814	-117.854052	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	2	55	N	7.72	7.72	33.707310	-117.853865	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	2	133	S	8.50	9.30	33.653386	-117.760307	2.4	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	2	405	S	2.40	2.74	33.653865	-117.771003	4.43	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	2	405	S	3.05	3.68	33.659747	-117.782359	7.8	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	2	405	S	5.43	5.43	33.668433	-117.819659	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	2	405	S	5.67	5.67	33.668854	-117.823968	0.38	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	2	405	N	5.72	5.72	33.670263	-117.824337	0.39	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	2	405	S	6.17	6.17	33.672446	-117.831636	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	3	5		24.97	24.97	33.688972	-117.769141	0.5	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	3	241	N	29.00	29.00	33.741891	-117.717952	7.65	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	3	241	S	29.65	29.65	33.748578	-117.725284	0.16	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	133	N	6.56	6.56	33.626078	-117.757446	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	133	N	6.67	6.67	33.627460	-117.758945	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	133	N	7.13	7.13	33.633571	-117.761304	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	133	N	7.22	7.22	33.634745	-117.761010	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	133	N	7.50	7.50	33.638939	-117.760766	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	133	N	7.84	7.84	33.643661	-117.761747	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	405	N	3.59	3.59	33.662831	-117.788805	2.5	1.1	unknown	unknown
Biofiltration Swale	12	ORA	8	3	5	N	24.00	24.00	33.679001	-117.757803	1.25	1.58	unknown	unknown
Biofiltration Swale	12	ORA	8	3	5	W	24.93	24.93	33.687173	-117.770799	0.26	unknown	0.3	0.1
Biofiltration Swale	12	ORA	8	3	5		24.95	24.95	33.688434	-117.769377	2.71	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	5	N	26.73	26.73	33.710556	-117.784690	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	133	S	10.24	10.24	33.679688	-117.753182	0.48	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	133	S	10.31	10.31	33.679303	-117.752775	0.91	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	241	N	28.80	28.80	33.738792	-117.717361	1.24	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	241	N	28.87	28.87	33.739897	-117.717438	1.65	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	241	S	29.75	29.75	33.749968	-117.728090	2.02	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	261	N	0.27	0.27	33.715160	-117.798156	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	261	S	0.72	0.72	33.719088	-117.792076	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	261	N	0.87	0.87	33.720228	-117.790040	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	261	N	1.26	1.26	33.723159	-117.784199	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	261	S	1.36	1.36	33.723871	-117.782751	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	261	N	1.81	1.81	33.728391	-117.777154	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	261	S	2.04	2.04	33.731115	-117.774872	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	261	N	2.11	2.11	33.731999	-117.774136	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	261	S	2.39	2.39	33.735229	-117.771449	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	3	261	S	2.74	2.74	33.739392	-117.767971	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	4	55	N	5.44	5.44	33.680900	-117.878000	1.6	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	19.00	19.00	33.604488	-117.793540	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	N	19.49	19.49	33.607508	-117.801321	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	19.51	19.51	33.607629	-117.801633	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	N	19.51	19.51	33.607629	-117.801633	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	N	19.51	19.51	33.607776	-117.799313	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	N	19.51	19.51	33.607635	-117.801649	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	19.61	19.61	33.607200	-117.802587	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	21.50	21.50	33.622588	-117.828414	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	21.53	21.53	33.623487	-117.828815	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	N	21.53	21.53	33.624001	-117.827577	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	22.27	22.27	33.629338	-117.838848	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	N	22.34	22.34	33.630765	-117.839516	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	N	22.40	22.40	33.631401	-117.840541	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	22.40	22.40	33.630051	-117.840928	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	N	22.42	22.42	33.630734	-117.839486	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	22.50	22.50	33.629446	-117.839120	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	22.50	22.50	33.630218	-117.842283	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	22.51	22.51	33.630029	-117.840977	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	N	22.51	22.51	33.631148	-117.842650	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	23.50	23.50	33.636884	-117.856213	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	23.51	23.51	33.637833	-117.857407	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	23.51	23.51	33.638548	-117.857207	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	23.60	23.60	33.639563	-117.858127	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	23.60	23.76	33.640229	-117.861344	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	23.60	23.60	33.640855	-117.859788	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	N	23.60	23.60	33.642449	-117.859091	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	23.62	23.62	33.639445	-117.858648	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	23.62	23.62	33.639796	-117.858330	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	N	24.00	24.00	33.645151	-117.860435	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	N	24.20	24.20	33.648683	-117.860324	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	N	24.35	24.35	33.650137	-117.862003	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	S	24.50	24.50	33.650072	-117.862055	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	N	24.50	24.50	33.653126	-117.861685	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	73	N	24.70	24.70	33.652803	-117.861543	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	2	133	E	10.33	10.33	33.678212	-117.751366	unknown	unknown	unknown	unknown
DPP (Design Pollution Prevention)	12	ORA	8	3	261	N	0.05	0.24	33.712391	-117.800515	unknown	2.26	unknown	unknown
Gross Solids Removal Device	12	ORA	8	2	73	S	22.40	22.40	33.630154	-117.840890	unknown	unknown	unknown	unknown
Gross Solids Removal Device	12	ORA	8	2	73	S	22.41	22.41	33.629948	-117.841034	unknown	unknown	unknown	unknown
Gross Solids Removal Device	12	ORA	8	2	73	N	22.42	22.42	33.630719	-117.841215	unknown	unknown	unknown	unknown
Infiltration Trench	12	ORA	8	3	133	S	10.42	10.42	33.680870	-117.752028	0.48	unknown	unknown	unknown
Other	12	ORA	8	2	5	N	23.59	23.59	33.672673	-117.755359	0.18	unknown	unknown	unknown
Other	12	ORA	8	2	5	S	23.61	23.61	33.673065	-117.756467	0.35	unknown	unknown	unknown
Other	12	ORA	8	2	73	S	22.50	22.50	33.631100	-117.842490	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	73	N	22.50	22.50	33.631100	-117.842490	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	73	S	22.51	22.51	33.631148	-117.842650	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	73	S	22.51	22.51	33.631153	-117.842666	unknown	unknown	unknown	unknown

Other	12	ORA	8	2	73	S	22.60	22.60	33.631578	-117.844089	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	73	S	22.60	22.60	33.631583	-117.844104	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	73	S	24.40	24.40	33.650753	-117.861736	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	73	S	24.50	24.50	33.652147	-117.862235	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	73	N	24.70	24.70	33.654613	-117.864033	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	133	N	13.08	13.08	33.710458	-117.724342	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.40	25.40	33.698110	-117.697792	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.40	25.40	33.698121	-117.697816	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.40	25.40	33.698133	-117.697841	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.41	25.41	33.698144	-117.697865	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.41	25.41	33.698168	-117.697915	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.41	25.41	33.698174	-117.697927	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.41	25.41	33.698180	-117.697940	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.41	25.41	33.698186	-117.697952	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.41	25.41	33.698192	-117.697965	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.41	25.41	33.698198	-117.697977	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.42	25.42	33.698204	-117.697990	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.42	25.42	33.698210	-117.698002	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.42	25.42	33.698217	-117.698015	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.58	25.58	33.699198	-117.700049	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.58	25.58	33.699210	-117.700074	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.58	25.58	33.699222	-117.700099	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.59	25.59	33.699235	-117.700124	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.59	25.59	33.699247	-117.700149	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.59	25.59	33.699253	-117.700162	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	N	25.74	25.74	33.700195	-117.702140	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	S	25.87	25.87	33.701046	-117.703912	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	S	25.87	25.87	33.701072	-117.703966	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	S	25.88	25.88	33.701098	-117.704021	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	S	25.95	25.95	33.701592	-117.705038	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	S	25.95	25.95	33.701620	-117.705095	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	S	25.96	25.96	33.701662	-117.705180	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	S	25.96	25.96	33.701669	-117.705195	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	S	25.96	25.96	33.701676	-117.705209	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	S	25.96	25.96	33.701684	-117.705223	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	S	25.96	25.96	33.701691	-117.705237	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	S	25.97	25.97	33.701698	-117.705252	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	S	25.97	25.97	33.701705	-117.705266	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	S	25.97	25.97	33.701712	-117.705280	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	S	25.97	25.97	33.701719	-117.705294	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	241	S	25.97	25.97	33.701726	-117.705309	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	5	N	23.94	23.94	33.677819	-117.757567	1.52	unknown	unknown	unknown
Other	12	ORA	8	3	5	N	24.07	24.07	33.679167	-117.759117	0.92	unknown	unknown	unknown
Other	12	ORA	8	3	5	S	24.14	24.14	33.679269	-117.760461	0.92	unknown	unknown	unknown
Other	12	ORA	8	3	133	N	13.20	13.20	33.712146	-117.723603	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	133	N	13.24	13.24	33.712777	-117.723323	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	133	N	13.25	13.25	33.712871	-117.723281	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	133	N	13.25	13.25	33.712903	-117.723267	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	133	N	13.29	13.29	33.713565	-117.722973	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	133	N	13.29	13.29	33.713596	-117.722959	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	133	S	13.29	13.29	33.713628	-117.722945	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	133	S	13.30	13.30	33.713659	-117.722931	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	133	N	13.31	13.31	33.713872	-117.722831	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	133	N	13.31	13.31	33.713917	-117.722809	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	133	S	13.32	13.32	33.713945	-117.722795	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	133	S	13.32	13.32	33.713973	-117.722781	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	133	S	13.35	13.35	33.714418	-117.722560	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	N	0.19	0.19	33.714229	-117.799119	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	N	0.19	0.19	33.714253	-117.799097	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	N	0.19	0.19	33.714275	-117.799074	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	N	0.20	0.20	33.714297	-117.799052	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	N	0.20	0.20	33.714319	-117.799029	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	N	0.20	0.20	33.714330	-117.799017	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	N	0.20	0.20	33.714341	-117.799006	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	N	0.20	0.20	33.714352	-117.798995	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	N	0.20	0.20	33.714363	-117.798983	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	N	0.20	0.20	33.714374	-117.798972	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	N	0.20	0.20	33.714385	-117.798960	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	N	0.21	0.21	33.714397	-117.798949	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	N	0.21	0.21	33.714408	-117.798938	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	N	0.21	0.21	33.714419	-117.798926	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	N	0.21	0.21	33.714430	-117.798915	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	S	0.24	0.24	33.714736	-117.798612	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	S	0.24	0.24	33.714759	-117.798589	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	S	0.24	0.24	33.714782	-117.798567	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	S	0.24	0.24	33.714805	-117.798545	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	S	0.24	0.24	33.714828	-117.798522	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	S	0.25	0.25	33.714851	-117.798500	unknown	unknown	unknown	unknown
Other	12	ORA	8	3	261	S	0.25	0.25	33.714874	-117.798478	unknown	unknown	unknown	unknown

Treatment BMP List - San Diego Creek Watershed OC Compounds TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	12	ORA	8	1	73	N	24.47	24.47	33.6527612	-117.86136	unknown	unknown	unknown	unknown
Austin Sand Filter	12	ORA	8	1	73	S	24.7	24.7	33.654613	-117.86403	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	1	55	N	7.692	7.692	33.7068142	-117.85405	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	1	55	N	7.722	7.722	33.7073102	-117.85386	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	1	133	S	8.5	9.3	33.653386	-117.76031	2.4	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	1	405	S	2.4	2.74	33.653865	-117.771	4.43	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	1	405	S	3.05	3.68	33.659747	-117.78236	7.8	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	1	405	S	5.425	5.425	33.668433	-117.81966	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	1	405	S	5.67	5.67	33.6688538	-117.82397	0.38	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	1	405	N	5.723	5.723	33.6702631	-117.82434	0.39	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	1	405	S	6.166	6.166	33.672446	-117.83164	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	2	5		24.967	24.967	33.6889719	-117.76914	0.5	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	2	241	N	29	29	33.7418914	-117.71795	7.65	unknown	unknown	unknown
Biofiltration Strip	12	ORA	8	2	241	S	29.65	29.65	33.7485775	-117.72528	0.16	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	1	133	N	6.557	6.557	33.6260783	-117.75745	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	1	133	N	6.668	6.668	33.6274597	-117.75895	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	1	133	N	7.133	7.133	33.6335706	-117.7613	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	1	133	N	7.215	7.215	33.6347452	-117.76101	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	1	133	N	7.504	7.504	33.6389389	-117.76077	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	1	133	N	7.844	7.844	33.6436609	-117.76175	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	1	405	N	3.592	3.592	33.6628311	-117.78881	2.5	1.1	unknown	unknown
Biofiltration Swale	12	ORA	8	2	5	N	24.001	24.001	33.679001	-117.7578	1.25	1.58	unknown	unknown
Biofiltration Swale	12	ORA	8	2	5	W	24.928	24.928	33.6871729	-117.7708	0.26	unknown	0.3	0.1
Biofiltration Swale	12	ORA	8	2	5		24.946	24.946	33.6884341	-117.76938	2.71	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	5	N	26.73	26.73	33.7105562	-117.78469	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	133	S	10.24	10.24	33.679688	-117.75318	0.48	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	133	S	10.308	10.308	33.679303	-117.75278	0.91	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	241	N	28.797	28.797	33.7387925	-117.71736	1.24	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	241	N	28.867	28.867	33.7398975	-117.71744	1.65	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	241	S	29.75	29.75	33.7499678	-117.72809	2.02	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	261	N	0.274	0.274	33.71516	-117.79816	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	261	S	0.723	0.723	33.719088	-117.79208	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	261	N	0.865	0.865	33.720228	-117.79004	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	261	N	1.262	1.262	33.723159	-117.7842	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	261	S	1.36	1.36	33.723871	-117.78275	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	261	N	1.811	1.811	33.728391	-117.77715	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	261	S	2.04	2.04	33.731115	-117.77487	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	261	N	2.114	2.114	33.731999	-117.77414	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	261	S	2.385	2.385	33.735229	-117.77145	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	8	2	261	S	2.735	2.735	33.739392	-117.76797	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	19	19	33.604488	-117.79354	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	N	19.49	19.49	33.607508	-117.80132	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	19.51	19.51	33.607629	-117.80163	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	N	19.51	19.51	33.607629	-117.80163	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	N	19.51	19.51	33.6077756	-117.79931	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	N	19.511	19.511	33.607635	-117.80165	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	19.61	19.61	33.6072004	-117.80259	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	21.5	21.5	33.6225885	-117.82841	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	21.53	21.53	33.623487	-117.82882	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	N	21.53	21.53	33.6240014	-117.82758	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	22.267	22.267	33.6293382	-117.83885	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	N	22.335	22.335	33.6307653	-117.83952	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	N	22.4	22.4	33.631401	-117.84054	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	22.401	22.401	33.6300508	-117.84093	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	N	22.42	22.42	33.6307341	-117.83949	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	22.5	22.5	33.6294464	-117.83912	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	22.5	22.5	33.6302185	-117.84228	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	22.51	22.51	33.630029	-117.84098	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	N	22.51	22.51	33.631148	-117.84265	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	23.5	23.5	33.6368839	-117.85621	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	23.51	23.51	33.6378325	-117.85741	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	23.51	23.51	33.638548	-117.85721	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	23.6	23.6	33.639563	-117.85813	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	23.6	23.76	33.6402295	-117.86134	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	23.6	23.6	33.6408547	-117.85979	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	N	23.6	23.6	33.6424491	-117.85909	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	23.62	23.62	33.6394448	-117.85865	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	23.62	23.62	33.639796	-117.85833	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	N	24	24	33.645151	-117.86044	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	N	24.2	24.2	33.6486833	-117.86032	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	N	24.348	24.348	33.6501368	-117.862	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	S	24.5	24.5	33.6500723	-117.86206	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	N	24.504	24.504	33.6531256	-117.86168	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	73	N	24.7	24.7	33.6528035	-117.86154	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	8	1	133	E	10.331	10.331	33.678212	-117.75137	unknown	unknown	unknown	unknown
DPP (Design Pollution Prevention)	12	ORA	8	2	261	N	0.046	0.24	33.7123906	-117.80051	unknown	2.26	unknown	unknown
Gross Solids Removal Device	12	ORA	8	1	73	S	22.4	22.4	33.6301539	-117.84089	unknown	unknown	unknown	unknown
Gross Solids Removal Device	12	ORA	8	1	73	S	22.405	22.405	33.6299481	-117.84103	unknown	unknown	unknown	unknown
Gross Solids Removal Device	12	ORA	8	1	73	N	22.42	22.42	33.630719	-117.84122	unknown	unknown	unknown	unknown
Infiltration Trench	12	ORA	8	2	133	S	10.417	10.417	33.6808699	-117.75203	0.48	unknown	unknown	unknown
Other	12	ORA	8	1	5	N	23.59	23.59	33.6726735	-117.75536	0.18	unknown	unknown	unknown
Other	12	ORA	8	1	5	S	23.606	23.606	33.6730653	-117.75647	0.35	unknown	unknown	unknown
Other	12	ORA	8	1	73	S	22.5	22.5	33.6311	-117.84249	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	73	N	22.5	22.5	33.6311	-117.84249	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	73	S	22.51	22.51	33.631148	-117.84265	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	73	S	22.511	22.511	33.631153	-117.84267	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	73	S	22.6	22.6	33.631578	-117.84409	unknown	unknown	unknown	unknown

Other	12	ORA	8	1	73	S	22.601	22.601	33.631583	-117.8441	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	73	S	24.4	24.4	33.650753	-117.86174	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	73	S	24.5	24.5	33.652147	-117.86224	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	73	N	24.7	24.7	33.654613	-117.86403	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	133	N	13.08	13.08	33.710458	-117.72434	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.4	25.4	33.69811	-117.69779	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.402	25.402	33.698121	-117.69782	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.404	25.404	33.698133	-117.69784	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.406	25.406	33.698144	-117.69786	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.41	25.41	33.698168	-117.69791	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.411	25.411	33.698174	-117.69793	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.412	25.412	33.69818	-117.69794	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.413	25.413	33.698186	-117.69795	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.414	25.414	33.698192	-117.69797	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.415	25.415	33.698198	-117.69798	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.416	25.416	33.698204	-117.69799	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.417	25.417	33.69821	-117.698	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.418	25.418	33.698217	-117.69802	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.58	25.58	33.699198	-117.70005	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.582	25.582	33.69921	-117.70007	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.584	25.584	33.699222	-117.7001	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.586	25.586	33.699235	-117.70012	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.588	25.588	33.699247	-117.70015	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.589	25.589	33.699253	-117.70016	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	N	25.74	25.74	33.700195	-117.70214	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	S	25.87	25.87	33.701046	-117.70391	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	S	25.874	25.874	33.701072	-117.70397	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	S	25.878	25.878	33.701098	-117.70402	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	S	25.95	25.95	33.701592	-117.70504	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	S	25.954	25.954	33.70162	-117.7051	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	S	25.96	25.96	33.701662	-117.70518	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	S	25.961	25.961	33.701669	-117.7052	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	S	25.962	25.962	33.701676	-117.70521	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	S	25.963	25.963	33.701684	-117.70522	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	S	25.964	25.964	33.701691	-117.70524	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	S	25.965	25.965	33.701698	-117.70525	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	S	25.966	25.966	33.701705	-117.70527	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	S	25.967	25.967	33.701712	-117.70528	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	S	25.968	25.968	33.701719	-117.70529	unknown	unknown	unknown	unknown
Other	12	ORA	8	1	241	S	25.969	25.969	33.701726	-117.70531	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	5	N	23.94	23.94	33.677819	-117.75757	1.52	unknown	unknown	unknown
Other	12	ORA	8	2	5	N	24.07	24.07	33.679167	-117.75912	0.92	unknown	unknown	unknown
Other	12	ORA	8	2	5	S	24.136	24.136	33.679269	-117.76046	0.92	unknown	unknown	unknown
Other	12	ORA	8	2	133	N	13.2	13.2	33.712146	-117.7236	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	133	N	13.24	13.24	33.712777	-117.72332	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	133	N	13.246	13.246	33.712871	-117.72328	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	133	N	13.248	13.248	33.712903	-117.72327	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	133	N	13.29	13.29	33.713565	-117.72297	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	133	N	13.292	13.292	33.713596	-117.72296	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	133	S	13.294	13.294	33.713628	-117.72295	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	133	S	13.296	13.296	33.713659	-117.72293	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	133	N	13.31	13.31	33.713872	-117.72283	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	133	N	13.313	13.313	33.713917	-117.72281	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	133	S	13.315	13.315	33.713945	-117.7228	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	133	S	13.317	13.317	33.713973	-117.72278	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	133	S	13.35	13.35	33.714418	-117.72256	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	N	0.19	0.19	33.714229	-117.79912	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	N	0.192	0.192	33.714253	-117.7991	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	N	0.194	0.194	33.714275	-117.79907	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	N	0.196	0.196	33.714297	-117.79905	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	N	0.198	0.198	33.714319	-117.79903	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	N	0.199	0.199	33.71433	-117.79902	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	N	0.2	0.2	33.714341	-117.79901	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	N	0.201	0.201	33.714352	-117.799	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	N	0.202	0.202	33.714363	-117.79898	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	N	0.203	0.203	33.714374	-117.79897	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	N	0.204	0.204	33.714385	-117.79896	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	N	0.205	0.205	33.714397	-117.79895	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	N	0.206	0.206	33.714408	-117.79894	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	N	0.207	0.207	33.714419	-117.79893	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	N	0.208	0.208	33.71443	-117.79891	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	S	0.235	0.235	33.714736	-117.79861	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	S	0.237	0.237	33.714759	-117.79859	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	S	0.239	0.239	33.714782	-117.79857	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	S	0.241	0.241	33.714805	-117.79855	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	S	0.243	0.243	33.714828	-117.79852	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	S	0.245	0.245	33.714851	-117.7985	unknown	unknown	unknown	unknown
Other	12	ORA	8	2	261	S	0.247	0.247	33.714874	-117.79848	unknown	unknown	unknown	unknown

Treatment BMP List - San Francisco Bay Urban Creeks Diazinon and Pesticide Toxicity TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	4	ALA	2	8	84	S	24.85	24.85	37.654236	-121.805883	10.36	unknown	unknown	unknown
Austin Sand Filter	4	ALA	2	8	84	N	26.17	26.17	37.673332	-121.804950	8.43	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	85	W	3.80	3.80	37.249700	-121.834700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	85	E	4.10	4.10	37.251900	-121.839200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	87	S	6.15	6.15	37.337400	-121.897800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	101	S	48.95	48.98	37.414245	-122.083575	1.42	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	101	N	50.18	50.30	37.428127	-122.100852	1.26	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	280	W	7.19	7.19	37.321300	-121.996400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	280	W	7.39	7.39	37.323100	-121.999900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	7.52	7.52	37.433000	-121.887700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	7.60	7.60	37.434100	-121.888300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	7.69	7.69	37.435200	-121.888800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	7.75	7.75	37.436200	-121.889100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	7.91	7.91	37.438500	-121.889500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	8.45	8.45	37.446600	-121.891200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	8.63	8.63	37.449100	-121.891800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	84	W	21.75	21.75	37.615400	-121.815000	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	92	E	5.10	5.10	37.631900	-122.110700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	92	W	5.10	5.10	37.631900	-122.110700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	92	E	5.40	5.40	37.634100	-122.105800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	92	N	6.50	6.50	37.646104	-122.093808	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	880	N	16.60	16.60	37.643600	-122.093000	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	880	S	16.80	16.80	37.645488	-122.094848	unknown	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	3	4	W	13.71	13.71	38.002058	-122.049941	0.04	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	3	4	E	13.94	13.94	38.001407	-122.050231	0.1	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	3	4	W	14.59	14.59	38.008006	-122.034079	0.17	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	3	4	W	15.13	15.13	38.009049	-122.031270	0.2	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	3	4	W	16.68	16.68	38.013462	-122.001274	0.2	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	3	680	S	4.10	4.10	37.775999	-121.975165	0.38	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	3	680	S	4.70	4.50	37.783480	-121.978830	0.88	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	3	680	S	6.30	6.00	37.803553	-121.989873	2.48	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	3	680	N	7.50	7.50	37.822602	-121.993018	0.17	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	3	680	N	12.00	12.50	37.872267	-122.042624	0.22	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.28	24.28	37.726059	-122.184115	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.30	24.30	37.726258	-122.184137	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.32	24.32	37.726533	-122.184377	0.07	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.34	24.34	37.726778	-122.184558	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	N	24.34	24.34	37.727032	-122.184131	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.34	24.34	37.726826	-122.184640	0.03	0.01	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.35	24.35	37.726888	-122.184667	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.38	24.38	37.727299	-122.185037	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	N	24.38	24.38	37.727547	-122.184615	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.41	24.41	37.727593	-122.185291	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.41	24.41	37.727639	-122.185313	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.43	24.43	37.727914	-122.185557	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.44	24.44	37.727975	-122.185618	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.76	24.76	37.731788	-122.189114	0.1	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.79	24.79	37.731585	-122.189872	0.1	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	4	12	W	16.20	16.20	38.190800	-121.857200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	4	80	E	14.64	14.70	38.231953	-122.109790	0.28	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	4	80	E	14.68	14.92	38.232599	-122.107885	7.87	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	4	80	E	14.89	15.17	38.234810	-122.103229	1.88	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	4	80	E	14.93	14.93	38.233556	-122.106022	7.87	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	4	80	E	14.96	15.11	38.234000	-122.104890	0.93	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	4	80	E	15.05	15.14	38.235047	-122.102725	0.95	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	4	80	E	15.12	15.16	38.234880	-122.102503	0.24	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	4	80	E	15.18	15.24	38.235262	-122.101369	0.36	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	4	80	E	15.23	15.42	38.235956	-122.099565	0.55	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	4	80	E	15.25	15.36	38.236202	-122.100057	1.31	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	4	80	E	15.33	15.43	38.236630	-122.098789	0.58	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	4	80	E	15.45	15.55	38.237244	-122.096987	0.56	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	S	4.54	4.64	38.244395	-122.624359	0.64	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	N	4.69	4.72	38.246526	-122.626582	0.1	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	S	4.70	4.70	38.246108	-122.627106	0.03	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	S	4.70	4.70	38.246780	-122.628113	0.1	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	N	4.72	4.74	38.247068	-122.626815	0.03	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	N	4.74	4.75	38.246557	-122.626454	0.1	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	S	4.75	4.76	38.246992	-122.628579	0.07	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	N	7.10	7.20	38.267235	-122.663758	0.63	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	S	7.20	7.10	38.266166	-122.663286	0.64	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	N	7.20	7.30	38.268012	-122.664650	0.62	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	S	7.30	7.20	38.267960	-122.665314	0.64	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	N	7.30	7.40	38.269110	-122.665902	0.83	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	S	7.40	7.30	38.268821	-122.666291	0.38	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	N	7.40	7.50	38.269684	-122.666507	0.46	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	S	7.50	7.40	38.269310	-122.666807	0.49	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	S	7.50	7.50	38.270180	-122.667845	0.36	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	N	7.80	8.10	38.274721	-122.673040	1.54	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	N	8.10	8.20	38.276692	-122.675581	0.89	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	S	8.20	8.10	38.276668	-122.676284	0.82	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	S	8.30	8.20	38.277708	-122.677299	0.52	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	N	8.40	8.60	38.280252	-122.680243	1.2	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	S	8.60	8.40	38.279888	-122.680498	1.58	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	N	8.60	8.90	38.283901	-122.684947	2.14	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	101	S	8.70	8.60	38.281944	-122.683174	0.42	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	22.50	22.72	38.124902	-122.565703	1.84	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	23.66	23.26	38.138615	-122.563844	0.63	unknown	unknown	unknown

Biofiltration Strip	4	MRN	2	5	101	N	23.80	23.80	38.140647	-122.563825	0.07	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	23.81	23.81	38.140899	-122.563841	0.78	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	S	23.96	24.00	38.143009	-122.564690	0.09	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	24.13	24.22	38.146113	-122.564760	0.35	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	24.21	24.21	38.146558	-122.564963	0.49	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	24.22	24.29	38.147392	-122.565233	0.27	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	S	24.46	24.46	38.149976	-122.566687	0.03	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	24.47	24.47	38.150379	-122.566234	0.26	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	24.48	24.48	38.150607	-122.566201	0.06	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	24.72	24.72	38.153633	-122.567369	0.25	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	S	24.83	24.83	38.155065	-122.568432	0.47	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	S	25.25	25.25	38.156607	-122.568929	0.94	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	25.25	25.25	38.160324	-122.571137	1.01	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	25.29	25.29	38.160729	-122.571640	0.34	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	25.35	25.35	38.161722	-122.572970	0.6	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	S	25.37	25.37	38.161124	-122.572964	0.02	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	S	25.46	25.46	38.162004	-122.574025	0.12	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	S	25.50	25.50	38.162386	-122.574620	0.03	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	25.51	25.51	38.162759	-122.574443	0.34	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	S	25.52	25.52	38.164246	-122.576768	unknown	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	25.52	25.52	38.162835	-122.574545	0.16	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	25.56	25.56	38.163286	-122.575128	0.73	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	25.58	25.58	38.163581	-122.575502	0.1	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	N	25.62	25.62	38.165280	-122.578003	unknown	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	S	25.66	25.66	38.163165	-122.575749	0.33	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	S	25.88	25.88	38.166413	-122.579822	0.17	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	S	25.95	25.95	38.167097	-122.580823	0.65	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	S	26.08	26.08	38.168287	-122.582758	0.38	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	S	26.18	26.18	38.168872	-122.584074	1.01	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	S	26.47	26.47	38.172079	-122.588346	0.51	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	5	101	S	26.56	26.56	38.172911	-122.589817	1.07	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	116	W	41.85	41.85	38.236000	-122.525900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	116	W	41.90	41.90	38.235944	-122.524905	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	116	W	42.00	42.00	38.236200	-122.523000	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	116	E	42.20	42.20	38.237018	-122.519279	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	5	116	W	42.25	42.25	38.237000	-122.518300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	6	101	S	18.74	18.74	38.075920	-122.542527	0.91	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	6	101	W	18.84	18.84	38.077282	-122.543702	0.27	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	6	101	S	18.93	18.93	38.078209	-122.544829	1	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	6	101	N	19.61	19.61	38.085925	-122.551999	1.12	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	6	101	S	19.71	19.71	38.086638	-122.553661	1.18	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	6	101	N	19.81	19.81	38.088274	-122.554539	0.88	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	6	101	S	20.07	20.07	38.090428	-122.557685	1.19	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	6	101	N	20.24	20.24	38.093655	-122.558458	0.45	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	6	101	N	20.26	20.26	38.093087	-122.559567	0.79	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	6	101	S	26.87	26.87	38.176135	-122.594122	0.19	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	7	580	E	4.72	4.72	37.962400	-122.510100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	84	W	20.84	20.84	37.607800	-121.828700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	84	W	21.23	21.23	37.610600	-121.822600	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	84	W	22.80	22.80	37.627000	-121.804100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	84	W	23.02	23.02	37.629700	-121.801900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	84	N	23.03	23.03	37.632512	-121.801722	0.27	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	84	E	23.12	23.12	37.633635	-121.801695	2.09	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	84	N	23.54	23.54	37.637030	-121.798415	0.15	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	84	S	23.58	23.58	37.637551	-121.797770	0.59	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	84	N	24.35	24.35	37.647245	-121.803849	3.52	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	9.07	9.07	37.713500	-121.713400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	9.07	9.07	37.713500	-121.713300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	9.07	9.07	37.713500	-121.713300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	9.07	9.07	37.713500	-121.713300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	9.07	9.07	37.713500	-121.713300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	9.08	9.00	37.713075	-121.712964	0.33	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	9.18	9.09	37.712458	-121.714703	0.38	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	10.70	10.70	37.701557	-121.739845	0.39	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	10.80	10.70	37.702775	-121.741597	1	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	11.07	11.07	37.702500	-121.747200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	12.03	12.03	37.702400	-121.764500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	13.50	13.40	37.700055	-121.789138	1.01	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	13.60	13.50	37.700325	-121.790761	0.58	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	13.60	13.60	37.700447	-121.791251	0.41	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	13.90	13.90	37.701049	-121.796940	0.42	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	14.00	14.00	37.701155	-121.799980	0.71	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	14.10	14.00	37.701146	-121.800426	0.3	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	14.33	14.33	37.700900	-121.806100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	14.45	14.45	37.700900	-121.808300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	14.48	14.48	37.700900	-121.808800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	14.74	14.74	37.700900	-121.813500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	14.86	14.86	37.700966	-121.815450	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	14.95	15.02	37.701257	-121.816696	1.89	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	15.00	15.00	37.701000	-121.818400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	15.08	15.20	37.701353	-121.819073	0.7	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	16.62	16.70	37.701628	-121.848359	0.34	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	16.82	16.86	37.701571	-121.850671	0.34	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	16.95	17.08	37.701624	-121.853607	1.61	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	17.80	17.80	37.701400	-121.869500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	17.82	17.87	37.701765	-121.870528	1.11	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	E	18.03	18.03	37.701500	-121.873500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	18.20	18.00	37.701837	-121.875786	3.18	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	18.58	18.58	37.701556	-121.883633	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	18.60	18.60	37.701558	-121.883996	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	18.70	18.60	37.702155	-121.886095	1.13	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	18.71	18.76	37.701883	-121.886870	0.52	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	18.84	18.88	37.701937	-121.889020	0.45	unknown	unknown	unknown

Biofiltration Strip	4	ALA	2	8	580	E	18.85	18.85	37.701579	-121.888567	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	18.89	19.01	37.701976	-121.890579	1.85	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	19.75	19.80	37.702061	-121.905502	1.04	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	19.84	19.92	37.702402	-121.906650	0.32	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	19.90	19.90	37.702128	-121.908246	0.68	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	19.93	20.00	37.702246	-121.908688	0.97	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	20.88	20.88	37.700362	-121.925395	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	21.30	21.20	37.699168	-121.933131	0.75	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	8	580	W	21.31	21.36	37.698973	-121.933679	0.72	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	8	680	N	0.20	0.40	37.725813	-121.941478	1.58	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	8	680	S	1.40	1.40	37.740799	-121.953476	0.55	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	8	680	S	1.80	1.60	37.745478	-121.956660	0.8	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	8	680	S	2.20	2.20	37.751281	-121.960039	0.8	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	8	680	N	2.40	2.50	37.754548	-121.961461	0.16	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	8	680	S	2.61	2.61	37.756663	-121.962833	0.77	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	8	680	N	2.70	2.80	37.757876	-121.963674	0.85	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	8	680	N	2.80	2.80	37.759286	-121.964162	0.26	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	8	680	S	2.90	2.90	37.760102	-121.966097	0.41	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	8	680	N	2.90	3.00	37.761454	-121.965990	0.67	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	8	680	S	3.10	3.00	37.762730	-121.967656	0.71	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	8	680	N	3.48	3.48	37.766600	-121.969700	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	87	S	6.15	6.15	37.337400	-121.897800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.00	32.00	37.306560	-121.820524	1.11	0.24	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.00	32.10	37.307666	-121.821544	1.31	0.28	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.20	32.20	37.308785	-121.822644	0.72	0.16	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.40	32.40	37.311111	-121.824859	1.08	0.24	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.40	32.40	37.313409	-121.827050	1.96	0.4	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.50	32.50	37.312253	-121.825935	1.72	0.37	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	33.00	33.00	37.317290	-121.831308	0.86	2.2	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	33.00	33.00	37.318556	-121.832621	0.84	1.08	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	N	33.00	33.00	37.319645	-121.830570	0.76	0.78	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	N	33.00	33.00	37.319777	-121.830778	0.93	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	34.00	34.00	37.329534	-121.842586	4.77	2.4	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	49.55	49.57	37.420203	-122.091783	3.45	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	N	49.57	49.58	37.421061	-122.092120	3.93	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	N	50.35	50.36	37.428884	-122.101589	6.64	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	N	51.90	51.88	37.446327	-122.119707	2.2	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	237	E	6.20	6.20	37.418100	-121.971800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	237	E	7.50	7.50	37.419108	-121.948573	1.65	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	237	W	7.51	7.51	37.419580	-121.948589	2.47	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	E	2.75	2.75	37.349700	-121.917000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	S	5.30	5.30	37.380797	-121.904318	1.3	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	S	6.30	6.40	37.396768	-121.908254	7	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	N	6.40	6.40	37.397327	-121.907594	7.4	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	N	7.50	7.60	37.413510	-121.912008	8.4	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	S	8.50	8.50	37.426355	-121.917151	0.71	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	92	E	5.10	5.10	37.631676	-122.110531	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	92	W	5.10	5.10	37.632261	-122.110925	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	92	E	5.21	5.21	37.632805	-122.108883	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	92	E	6.50	6.50	37.646087	-122.093090	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	680	W	9.36	9.36	37.571300	-121.890300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	880	S	16.60	16.60	37.643205	-122.093737	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	880	N	16.60	16.60	37.643600	-122.093000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	880	S	16.77	16.77	37.645486	-122.094846	1.88	0.26	unknown	unknown
Biofiltration Swale	4	ALA	2	2	880	S	16.80	16.80	37.646100	-122.094800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	3	4	E	16.00	16.00	38.011257	-122.012750	23.5	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	580	E	44.77	44.77	37.693100	-122.061000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	3	680	N	4.60	4.60	37.782800	-121.978100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	3	680	N	4.80	4.80	37.785400	-121.979600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	3	680	N	4.90	4.90	37.786700	-121.980400	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	3	680	S	5.20	5.20	37.790800	-121.982400	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	3	680	N	6.30	6.30	37.805300	-121.990300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	880	S	24.81	24.86	37.732431	-122.189623	0.09	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	4	12	E	13.30	13.30	38.223400	-121.891600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	4	12	W	13.30	13.30	38.223400	-121.891600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	4	12	E	13.70	13.70	38.218600	-121.887300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	4	12	W	15.00	15.00	38.203900	-121.873100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	4	12	W	15.60	15.60	38.196200	-121.865300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	4	12	W	15.80	15.80	38.194600	-121.863600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	4	12	W	16.60	16.60	38.187900	-121.852000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	5	101	N	3.60	3.60	38.232459	-122.617263	1.12	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	5	101	N	3.60	3.60	38.232483	-122.617269	0.5	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	5	101	S	3.81	3.81	38.235244	-122.619179	4.56	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	5	101	S	4.60	4.60	38.245311	-122.625544	1.48	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	5	101	N	5.45	4.63	38.248076	-122.629600	0.47	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	5	101	N	7.45	7.47	38.270441	-122.666808	0.3	0.05	unknown	unknown
Biofiltration Swale	4	SON	2	5	101	S	7.58	7.65	38.270888	-122.671104	10.4	0.42	unknown	unknown
Biofiltration Swale	4	SON	2	5	101	N	7.60	7.62	38.271890	-122.669036	0.8	0.04	unknown	unknown
Biofiltration Swale	4	SON	2	5	101	N	7.60	7.68	38.273011	-122.668640	1.6	0.07	unknown	unknown
Biofiltration Swale	4	SON	2	5	101	S	10.60	10.60	38.302694	-122.707770	0.41	0.76	unknown	unknown
Biofiltration Swale	4	SON	2	5	101	S	10.60	10.70	38.303318	-122.708436	1.1	1.11	0.41	unknown
Biofiltration Swale	4	SON	2	5	101	N	10.70	10.80	38.304732	-122.708673	0.5	0.19	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	23.23	23.25	38.135130	-122.564093	0.17	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	23.49	23.63	38.137113	-122.564307	0.27	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	23.63	23.72	38.138179	-122.564292	0.18	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	23.78	23.80	38.140368	-122.564448	0.06	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	23.81	23.89	38.140788	-122.564497	0.18	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	23.90	23.96	38.142092	-122.564605	0.1	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	24.00	24.11	38.143609	-122.564739	0.06	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	24.11	24.15	38.145127	-122.564990	0.23	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	24.15	24.22	38.145772	-122.565183	0.14	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	24.22	24.25	38.146723	-122.565782	0.06	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	24.25	24.28	38.147084	-122.565646	0.04	unknown	unknown	unknown

Biofiltration Swale	4	MRN	2	5	101	S	24.28	24.36	38.147521	-122.565782	0.16	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	24.49	24.72	38.150784	-122.566961	0.26	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	24.72	24.82	38.153595	-122.567916	0.11	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	24.82	24.90	38.154963	-122.568382	0.09	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	24.84	24.96	38.155275	-122.568505	0.45	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	25.19	25.21	38.159592	-122.570905	0.14	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	25.21	25.29	38.160095	-122.571490	0.39	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	25.45	25.55	38.161917	-122.573979	0.24	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	S	25.55	25.64	38.163676	-122.576472	0.25	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	5	101	N	25.61	25.62	38.163787	-122.575742	0.3	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	5	116	W	42.00	42.00	38.236161	-122.522990	unknown	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	6	101	S	18.76	18.76	38.076589	-122.543104	0.25	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	6	101	S	19.02	19.02	38.078777	-122.545523	0.95	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	6	101	N	20.05	20.05	38.091431	-122.557705	1.52	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	6	101	S	20.73	20.73	38.099600	-122.561800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	7	580	W	3.80	3.80	37.951900	-122.496800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	84	N	23.54	23.54	37.637146	-121.798542	0.86	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	84	N	23.59	23.59	37.637742	-121.797507	2.95	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	84	N	24.32	24.32	37.646953	-121.803611	2.53	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	84	N	24.38	24.38	37.647633	-121.804076	1.12	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	84	S	24.48	24.48	37.648759	-121.805016	3.1	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	84	N	24.50	24.50	37.649113	-121.804800	0.52	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	84	N	24.57	24.57	37.650183	-121.805185	0.61	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	5.89	5.85	37.719441	-121.659690	2.02	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	6.97	6.84	37.721105	-121.676520	1.65	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	W	8.48	8.51	37.717605	-121.704607	1.05	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	W	8.51	8.51	37.717488	-121.704711	0.52	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	8.58	8.57	37.716277	-121.705409	0.46	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	8.63	8.60	37.715971	-121.705941	0.57	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	W	9.17	9.23	37.712825	-121.715838	5.23	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	9.47	9.47	37.710700	-121.719900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	9.62	9.60	37.709044	-121.722117	0.25	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	9.66	9.64	37.708763	-121.722925	0.44	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	9.73	9.72	37.708397	-121.724229	0.13	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	9.92	9.90	37.707171	-121.727306	0.81	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	10.67	10.65	37.702139	-121.739697	0.35	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	11.02	11.01	37.702088	-121.746329	0.79	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	W	11.05	11.07	37.702965	-121.747738	1.31	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	11.51	11.51	37.702800	-121.755200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	11.95	11.91	37.702228	-121.763219	0.1	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	12.52	12.50	37.700182	-121.773461	0.21	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	13.14	13.14	37.699700	-121.784600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	W	13.15	13.16	37.700202	-121.783874	0.98	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	W	13.26	13.27	37.700066	-121.786065	0.61	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	W	13.49	13.50	37.700123	-121.789201	0.74	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	W	13.95	13.96	37.701140	-121.797792	0.61	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	W	14.21	14.21	37.700800	-121.804000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	14.27	14.27	37.700800	-121.805000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	14.31	14.31	37.700900	-121.805900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	14.32	14.32	37.700900	-121.806000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	15.10	15.09	37.700255	-121.818877	0.84	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	16.55	16.55	37.701221	-121.846652	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	16.76	16.74	37.700284	-121.849835	0.34	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	16.82	16.80	37.700996	-121.851009	0.63	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	16.84	16.83	37.700918	-121.851264	0.34	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	17.99	17.95	37.700645	-121.872570	0.45	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	18.02	18.02	37.700943	-121.873365	0.37	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	W	18.55	18.56	37.701938	-121.883847	0.29	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	18.67	18.60	37.701078	-121.885116	2.08	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	18.87	18.86	37.701019	-121.888788	0.71	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	18.87	18.86	37.701180	-121.887080	1.14	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	18.93	18.89	37.701201	-121.890014	0.7	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	E	19.10	19.11	37.701220	-121.893212	0.49	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	W	20.95	20.96	37.700852	-121.925378	1.77	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	W	21.36	21.36	37.699043	-121.933833	2.44	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	580	W	21.49	21.49	37.698300	-121.936300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	8	680	N	16.96	16.96	37.659192	-121.903476	2.7	0.8	unknown	unknown
Detention Basin	4	SCL	2	1	87	N	7.61	7.61	37.355800	-121.910900	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	87	N	7.98	7.98	37.360300	-121.915500	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	87	N	8.83	8.83	37.369400	-121.925100	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	87	N	8.95	8.95	37.369700	-121.925500	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	101	N	21.46	21.46	37.192456	-121.695728	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	101		27.89	27.89	37.251147	-121.785596	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	101	S	28.44	28.44	37.255648	-121.793898	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	101	S	30.15	30.15	37.282489	-121.808797	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	101	S	31.57	31.57	37.301747	-121.815386	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	101	S	42.72	42.72	37.385648	-121.976653	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	101	S	43.88	43.88	37.391308	-121.996412	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	680	S	1.70	1.70	37.359089	-121.840741	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	680	N	2.26	2.26	37.366551	-121.845204	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	680	N	2.59	2.59	37.370377	-121.848548	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	680	S	2.65	2.65	37.371102	-121.849279	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	680	S	5.94	5.94	37.411161	-121.879416	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	680	N	6.06	6.06	37.412871	-121.879932	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	880	N	6.60	6.70	37.400135	-121.908191	0.86	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	880	S	6.80	6.90	37.402921	-121.910041	0.76	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	880	S	6.92	6.92	37.404701	-121.909758	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	2	880	S	11.34	11.34	37.577607	-122.047900	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	2	880	S	12.87	12.87	37.596525	-122.059378	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	2	880	S	13.55	13.55	37.605196	-122.065526	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	2	880	S	13.72	13.72	37.607367	-122.067058	unknown	unknown	unknown	unknown
Detention Basin	4	CC	2	3	24	W	2.13	2.13	37.876768	-122.185946	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	3	880	S	24.73	24.73	37.731627	-122.188496	unknown	unknown	unknown	unknown

Detention Basin	4	SOL	2	4	80	N	17.88	17.88	38.257892	-122.062803	unknown	unknown	unknown	unknown
Detention Basin	4	SOL	2	4	80	S	19.74	19.74	38.280164	-122.043950	unknown	unknown	unknown	unknown
Detention Basin	4	MRN	2	5	101	S	25.58	25.58	38.162966	-122.575826	15.4	unknown	unknown	unknown
Detention Basin	4	MRN	2	6	101	N	18.85	18.85	38.077376	-122.543452	unknown	unknown	unknown	unknown
Detention Basin	4	MRN	2	6	101	S	19.14	19.14	38.080564	-122.546809	unknown	unknown	unknown	unknown
Detention Basin	4	MRN	2	6	101	S	20.42	20.42	38.095145	-122.561185	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	8	580	E	9.61	9.61	37.709300	-121.722100	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	8	580	W	9.80	9.70	37.709045	-121.725325	3.86	unknown	unknown	unknown
Detention Basin	4	ALA	2	8	580	W	13.96	13.96	37.701600	-121.800300	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	8	580	W	13.96	13.96	37.701600	-121.800300	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	8	580	W	14.01	14.01	37.700100	-121.803800	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	8	580	W	14.01	14.01	37.700100	-121.803800	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	8	580	E	14.20	14.20	37.701200	-121.799200	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	8	580	E	14.20	14.20	37.701200	-121.799200	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	8	580	W	19.62	19.62	37.701678	-121.902652	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	8	580	E	19.74	19.74	37.701709	-121.904796	unknown	unknown	unknown	unknown
Infiltration Basin	4	SCL	2	1	85	E	0.42	0.42	37.240500	-121.776500	unknown	unknown	unknown	unknown
Infiltration Basin	4	SCL	2	1	280	W	5.97	5.97	37.318100	-121.975200	unknown	unknown	unknown	unknown
Infiltration Basin	4	SCL	2	1	280	W	6.02	6.02	37.317900	-121.976100	unknown	unknown	unknown	unknown
Infiltration Trench	4	ALA	2	8	580	E	6.92	6.92	37.721110	-121.676568	4.7	unknown	unknown	unknown
Other	4	MRN	2	5	101	S	22.36	22.43	38.123094	-122.565941	0.45	unknown	unknown	unknown
Other	4	MRN	2	5	101	S	22.43	22.52	38.124927	-122.566010	0.6	unknown	unknown	unknown
Other	4	MRN	2	5	101	S	22.75	22.87	38.126719	-122.566175	0.76	unknown	unknown	unknown
Other	4	MRN	2	5	101	S	22.87	22.99	38.131024	-122.564209	0.66	unknown	unknown	unknown
Other	4	MRN	2	5	101	S	22.99	23.06	38.132117	-122.564058	0.41	unknown	unknown	unknown
Other	4	MRN	2	5	101	S	23.06	23.15	38.133387	-122.564039	0.52	unknown	unknown	unknown
Other	4	MRN	2	5	101	S	23.24	23.64	38.135935	-122.564182	0.8	unknown	unknown	unknown
Other	4	MRN	2	5	101	S	23.25	23.19	38.134828	-122.564078	0.28	unknown	unknown	unknown
Other	4	MRN	2	5	101	S	23.64	23.79	38.138900	-122.564355	0.6	unknown	unknown	unknown
Wet Basin	4	CC	2	3	24	W	2.13	2.13	37.876734	-122.185971	unknown	unknown	unknown	unknown

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Treatment BMP List - San Francisco Bay Mercury TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	4	ALA	2	13	84	S	24.85	24.85	37.654236	-121.805883	10.36	unknown	unknown	unknown
Austin Sand Filter	4	ALA	2	13	84	N	26.17	26.17	37.673332	-121.804950	8.43	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	S	0.10	0.10	37.465700	-121.905100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	S	0.20	0.20	37.466900	-121.906100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	S	2.30	2.30	37.494700	-121.922300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	S	2.35	2.35	37.495200	-121.922900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	S	2.42	2.42	37.495900	-121.923600	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	S	2.51	2.51	37.496900	-121.924700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	W	3.96	3.96	37.513900	-121.939300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	W	3.98	3.98	37.514200	-121.939500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	N	4.00	4.00	37.514400	-121.939600	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	7.52	7.52	37.433000	-121.887700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	7.60	7.60	37.434100	-121.888300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	7.69	7.69	37.435200	-121.888800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	7.75	7.75	37.436200	-121.889100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	7.91	7.91	37.438500	-121.889500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	8.45	8.45	37.446600	-121.891200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	8.63	8.63	37.449100	-121.891800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	880	N	3.18	3.18	37.492120	-121.947356	0.48	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	84	W	21.75	21.75	37.615400	-121.815000	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	92	E	5.10	5.10	37.631900	-122.110700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	92	W	5.10	5.10	37.631900	-122.110700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	92	E	5.40	5.40	37.634100	-122.105800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	92	N	6.50	6.50	37.646104	-122.093808	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	880	N	16.60	16.60	37.643600	-122.093000	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	880	S	16.80	16.80	37.645488	-122.094848	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	24	W	5.41	5.41	37.849800	-122.223700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	24	W	5.43	5.43	37.850000	-122.223500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	80	S	3.40	3.40	37.829000	-122.294100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	80	S	3.40	3.40	37.829500	-122.293900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	84	W	5.12	5.12	37.553800	-122.049100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	1.00	1.10	37.462188	-122.143149	0.22	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	1.80	1.80	37.468688	-122.154299	0.22	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	S	1.90	1.90	37.469144	-122.156617	0.27	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	1.90	2.00	37.470001	-122.156435	0.15	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	14.73	14.73	37.584900	-122.329200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	14.73	14.73	37.584900	-122.329200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	14.73	14.73	37.584900	-122.329200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	14.73	14.73	37.584900	-122.329200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	14.73	14.73	37.584900	-122.329200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	3	101	S	48.95	48.98	37.414245	-122.083575	1.42	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	3	101	N	50.18	50.30	37.428127	-122.100852	1.26	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	3	280	W	7.19	7.19	37.321300	-121.996400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	3	280	W	7.39	7.39	37.323100	-121.999900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	3	580	E	4.72	4.72	37.962400	-122.510100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	680	N	6.45	6.45	37.539900	-121.925400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	680	W	6.50	6.50	37.541700	-121.923300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	680	W	6.65	6.65	37.541700	-121.923300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	6.16	6.16	37.521631	-121.986580	0.91	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.76	24.76	37.731788	-122.189114	0.1	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.79	24.79	37.731585	-122.189872	0.1	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	25.38	25.39	37.738910	-122.195314	0.05	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	25.40	25.47	37.739301	-122.195652	0.02	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	238	E	15.04	15.04	37.688900	-122.107500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	238	W	15.06	15.06	37.688900	-122.107900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.28	24.28	37.726059	-122.184115	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.30	24.30	37.726258	-122.184137	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.32	24.32	37.726533	-122.184377	0.07	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.34	24.34	37.726778	-122.184558	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	N	24.34	24.34	37.727032	-122.184131	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.34	24.34	37.726826	-122.184640	0.03	0.01	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.35	24.35	37.726888	-122.184667	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.38	24.38	37.727299	-122.185037	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	N	24.38	24.38	37.727547	-122.184615	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.41	24.41	37.727593	-122.185291	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.41	24.41	37.727639	-122.185313	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.43	24.43	37.727914	-122.185557	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.44	24.44	37.727975	-122.185618	0.03	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	5	4	W	14.59	14.59	38.008006	-122.034079	0.17	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	5	4	W	15.13	15.13	38.009049	-122.031270	0.2	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	5	4	W	16.68	16.68	38.013462	-122.001274	0.2	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.30	0.37	38.208807	-122.196823	0.4	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.38	0.40	38.208810	-122.196265	0.1	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.69	0.70	38.208410	-122.190361	0.16	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.75	0.78	38.208332	-122.188768	0.23	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.75	0.80	38.208371	-122.189570	0.22	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.81	0.82	38.208362	-122.187942	0.1	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.86	0.93	38.208329	-122.186572	0.12	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.93	0.14	38.208281	-122.185920	0.14	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.94	0.99	38.208251	-122.185453	0.22	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	1.01	1.03	38.208029	-122.184451	0.13	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	1.04	1.14	38.207812	-122.183637	0.48	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	1.39	1.45	38.206217	-122.176851	0.25	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	1.62	1.63	38.206568	-122.172822	0.32	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	2.29	2.36	38.207550	-122.159432	0.36	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	2.37	2.40	38.207548	-122.157797	0.13	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	W	16.20	16.20	38.190800	-121.857200	unknown	unknown	unknown	unknown

Biofiltration Strip	4	SOL	2	5	80	W	8.51	8.51	38.173200	-122.194500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	W	9.25	9.25	38.181200	-122.185400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	W	10.32	10.32	38.189600	-122.170100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	W	11.76	11.76	38.205900	-122.152600	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.12	14.23	38.228107	-122.119127	0.87	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.24	14.53	38.228966	-122.116764	3.64	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.24	14.54	38.230654	-122.112643	1.18	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.56	14.64	38.231243	-122.110834	0.34	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.58	14.86	38.231314	-122.111297	3.62	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.64	14.70	38.231953	-122.109790	0.28	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.68	14.92	38.232599	-122.107885	7.87	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.89	15.17	38.234810	-122.103229	1.88	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.93	14.93	38.233556	-122.106022	7.87	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.96	15.11	38.234000	-122.104890	0.93	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	15.05	15.14	38.235047	-122.102725	0.95	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	15.12	15.16	38.234880	-122.102503	0.24	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	15.18	15.24	38.235262	-122.101369	0.36	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	15.23	15.42	38.235956	-122.099565	0.55	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	15.25	15.36	38.236202	-122.100057	1.31	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	15.33	15.43	38.236630	-122.098789	0.58	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	15.45	15.55	38.237244	-122.096987	0.56	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	0.04	0.24	38.223047	-122.257168	0.86	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	W	0.29	0.37	38.222371	-122.252519	0.31	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	W	0.47	0.53	38.222185	-122.249479	0.27	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	0.83	0.86	38.221255	-122.243567	0.03	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	0.93	0.98	38.221144	-122.241874	0.17	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	1.05	1.22	38.221237	-122.239883	1	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	1.26	1.31	38.220759	-122.236540	0.4	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	1.33	1.43	38.220286	-122.235427	0.06	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	W	1.39	1.45	38.220403	-122.234617	0.4	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	1.53	1.58	38.219247	-122.232286	0.26	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	1.60	1.69	38.218866	-122.231165	0.43	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	1.79	1.85	38.217815	-122.228223	0.27	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	2.21	2.27	38.215545	-122.221501	0.28	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	2.31	2.45	38.214993	-122.219956	0.65	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	2.45	2.55	38.213835	-122.216091	0.47	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	2.55	2.64	38.213802	-122.215972	0.44	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	S	25.53	25.53	38.470549	-122.431455	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	S	25.59	25.59	38.471260	-122.431954	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	N	25.61	25.61	38.471497	-122.432121	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	S	25.69	25.69	38.472444	-122.432786	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	S	25.74	25.74	38.473061	-122.433205	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	S	26.61	26.61	38.482991	-122.443062	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	S	26.67	26.67	38.483591	-122.443762	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	S	26.71	26.71	38.483987	-122.444228	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	12	E	29.79	29.79	38.382900	-122.516500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	12	E	30.18	30.18	38.377700	-122.513400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	41.15	41.15	38.228800	-122.531100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	42.30	42.30	38.237120	-122.517361	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	42.45	42.45	38.237000	-122.514500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	42.45	42.45	38.237000	-122.514500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	42.50	42.50	38.236900	-122.513500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	42.50	42.50	38.236900	-122.513500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	42.50	42.50	38.236930	-122.513530	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	42.50	42.50	38.236930	-122.513530	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	42.75	42.75	38.236600	-122.508800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	42.80	42.80	38.236894	-122.507891	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	43.00	43.00	38.239824	-122.505485	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	43.00	43.00	38.240000	-122.505800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	43.10	43.10	38.241900	-122.505900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	43.10	43.10	38.241900	-122.505900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	43.20	43.20	38.243400	-122.504900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	43.20	43.20	38.243406	-122.504913	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	43.75	43.75	38.249800	-122.496600	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	43.90	43.90	38.250420	-122.494892	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	44.10	44.10	38.251600	-122.491500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	44.15	44.15	38.251900	-122.490600	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	44.20	44.20	38.252127	-122.489791	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	44.20	44.20	38.252127	-122.489791	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	44.25	44.25	38.252400	-122.488900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	44.30	44.30	38.252684	-122.488091	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	44.35	44.35	38.252900	-122.487200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	44.55	44.55	38.254000	-122.484000	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	44.60	44.60	38.254200	-122.483300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	44.60	44.60	38.254334	-122.482939	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	44.60	44.60	38.254334	-122.482939	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	4.54	4.64	38.244395	-122.624359	0.64	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	4.69	4.72	38.246526	-122.626582	0.1	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	4.70	4.70	38.246108	-122.627106	0.03	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	4.70	4.70	38.246780	-122.628113	0.1	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	4.72	4.74	38.247068	-122.626815	0.03	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	4.74	4.75	38.246557	-122.626454	0.1	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	4.75	4.76	38.246992	-122.628579	0.07	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	7.10	7.20	38.267235	-122.663758	0.63	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	7.20	7.10	38.266166	-122.663286	0.64	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	7.20	7.30	38.268012	-122.664650	0.62	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	7.30	7.20	38.267960	-122.665314	0.64	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	7.30	7.40	38.269110	-122.665902	0.83	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	7.40	7.30	38.268821	-122.666291	0.38	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	7.40	7.50	38.269684	-122.666507	0.46	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	7.50	7.40	38.269310	-122.666807	0.49	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	7.50	7.50	38.270180	-122.667845	0.36	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	7.80	8.10	38.274721	-122.673040	1.54	unknown	unknown	unknown

Biofiltration Strip	4	SON	2	10	101	N	8.10	8.20	38.276692	-122.675581	0.89	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	8.20	8.10	38.276668	-122.676284	0.82	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	8.30	8.20	38.277708	-122.677299	0.52	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	8.40	8.60	38.280252	-122.680243	1.2	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	8.60	8.40	38.279888	-122.680498	1.58	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	8.60	8.90	38.283901	-122.684947	2.14	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	8.70	8.60	38.281944	-122.683174	0.42	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	18.74	18.74	38.075920	-122.542527	0.91	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	W	18.84	18.84	38.077282	-122.543702	0.27	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	18.93	18.93	38.078209	-122.544829	1	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	19.61	19.61	38.085925	-122.551999	1.12	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	19.71	19.71	38.086638	-122.553661	1.18	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	19.81	19.81	38.088274	-122.554539	0.88	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	20.07	20.07	38.090428	-122.557685	1.19	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	20.24	20.24	38.093655	-122.558458	0.45	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	20.26	20.26	38.093087	-122.559567	0.79	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	22.50	22.72	38.124902	-122.565703	1.84	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	23.66	23.26	38.138615	-122.563844	0.63	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	23.80	23.80	38.140647	-122.563825	0.07	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	23.81	23.81	38.140899	-122.563841	0.78	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	23.96	24.00	38.143009	-122.564690	0.09	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	24.13	24.22	38.146113	-122.564760	0.35	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	24.21	24.21	38.146558	-122.564963	0.49	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	24.22	24.29	38.147392	-122.565233	0.27	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	24.46	24.46	38.149976	-122.566687	0.03	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	24.47	24.47	38.150379	-122.566234	0.26	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	24.48	24.48	38.150607	-122.566201	0.06	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	24.72	24.72	38.153633	-122.567369	0.25	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	24.83	24.83	38.155065	-122.568432	0.47	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.25	25.25	38.156607	-122.568929	0.94	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	25.25	25.25	38.160324	-122.571137	1.01	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	25.29	25.29	38.160729	-122.571640	0.34	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	25.35	25.35	38.161722	-122.572970	0.6	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.37	25.37	38.161124	-122.572964	0.02	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.46	25.46	38.162004	-122.574025	0.12	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.50	25.50	38.162386	-122.574620	0.03	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	25.51	25.51	38.162759	-122.574443	0.34	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.52	25.52	38.164246	-122.576768	unknown	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	25.52	25.52	38.162835	-122.574545	0.16	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	25.56	25.56	38.163286	-122.575128	0.73	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	25.58	25.58	38.163581	-122.575502	0.1	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	25.62	25.62	38.165280	-122.578003	unknown	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.66	25.66	38.163165	-122.575749	0.33	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.88	25.88	38.166413	-122.579822	0.17	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.95	25.95	38.167097	-122.580823	0.65	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	26.08	26.08	38.168287	-122.582758	0.38	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	26.18	26.18	38.168872	-122.584074	1.01	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	26.47	26.47	38.172079	-122.588346	0.51	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	26.56	26.56	38.172911	-122.589817	1.07	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	26.87	26.87	38.176135	-122.594122	0.19	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	116	W	41.85	41.85	38.236000	-122.525900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	116	W	41.90	41.90	38.235944	-122.524905	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	116	W	42.00	42.00	38.236200	-122.523000	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	116	E	42.20	42.20	38.237018	-122.519279	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	116	W	42.25	42.25	38.237000	-122.518300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	4	W	10.18	10.18	37.993239	-122.103306	0.01	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	4	W	10.32	10.32	37.992356	-122.101106	0.02	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	4	E	12.36	12.37	37.992614	-122.074470	0.05	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	4	W	13.71	13.71	38.002058	-122.049941	0.04	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	4	E	13.94	13.94	38.001407	-122.050231	0.1	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	680	S	4.10	4.10	37.775999	-121.975165	0.38	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	680	S	4.70	4.50	37.783480	-121.978830	0.88	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	680	S	6.30	6.00	37.803553	-121.989873	2.48	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	680	N	7.50	7.50	37.822602	-121.993018	0.17	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	680	N	12.00	12.50	37.872267	-122.042624	0.22	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	W	20.84	20.84	37.607800	-121.828700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	W	21.23	21.23	37.610600	-121.822600	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	W	22.80	22.80	37.627000	-121.804100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	W	23.02	23.02	37.629700	-121.801900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	N	23.03	23.03	37.632512	-121.801722	0.27	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	E	23.12	23.12	37.633635	-121.801695	2.09	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	N	23.54	23.54	37.637030	-121.798415	0.15	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	S	23.58	23.58	37.637551	-121.797770	0.59	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	N	24.35	24.35	37.647245	-121.803849	3.52	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	9.07	9.07	37.713500	-121.713400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	9.07	9.07	37.713500	-121.713300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	9.07	9.07	37.713500	-121.713300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	9.07	9.07	37.713500	-121.713300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	9.07	9.07	37.713500	-121.713300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	9.08	9.00	37.713075	-121.712964	0.33	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	9.18	9.09	37.712458	-121.714703	0.38	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	10.70	10.70	37.701557	-121.739845	0.39	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	10.80	10.70	37.702775	-121.741597	1	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	11.07	11.07	37.702500	-121.747200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	12.03	12.03	37.702400	-121.764500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	13.50	13.40	37.700055	-121.789138	1.01	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	13.60	13.50	37.700325	-121.790761	0.58	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	13.60	13.60	37.700447	-121.791251	0.41	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	13.90	13.90	37.701049	-121.796940	0.42	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	14.00	14.00	37.701155	-121.799980	0.71	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	14.10	14.00	37.701146	-121.800426	0.3	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	14.33	14.33	37.700900	-121.806100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	14.45	14.45	37.700900	-121.808300	unknown	unknown	unknown	unknown

Biofiltration Strip	4	ALA	2	13	580	E	14.48	14.48	37.700900	-121.808800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	14.74	14.74	37.700900	-121.813500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	14.86	14.86	37.700966	-121.815450	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	14.95	15.02	37.701257	-121.816696	1.89	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	15.00	15.00	37.701000	-121.818400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	15.08	15.20	37.701353	-121.819073	0.7	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	16.62	16.70	37.701628	-121.848359	0.34	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	16.82	16.86	37.701571	-121.850671	0.34	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	16.95	17.08	37.701624	-121.853607	1.61	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	17.80	17.80	37.701400	-121.869500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	17.82	17.87	37.701765	-121.870528	1.11	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	18.03	18.03	37.701500	-121.873500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	18.20	18.00	37.701837	-121.875786	3.18	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	18.58	18.58	37.701556	-121.883633	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	18.60	18.60	37.701558	-121.883996	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	18.70	18.60	37.702155	-121.886095	1.13	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	18.71	18.76	37.701883	-121.886870	0.52	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	18.84	18.88	37.701937	-121.889020	0.45	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	18.85	18.85	37.701579	-121.888567	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	18.89	19.01	37.701976	-121.890579	1.85	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	19.75	19.80	37.702061	-121.905502	1.04	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	19.84	19.92	37.702402	-121.906650	0.32	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	19.90	19.90	37.702128	-121.908246	0.68	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	19.93	20.00	37.702246	-121.908688	0.97	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	20.88	20.88	37.700362	-121.925395	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	21.30	21.20	37.699168	-121.933131	0.75	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	21.31	21.36	37.698973	-121.933679	0.72	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	N	0.20	0.40	37.725813	-121.941478	1.58	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	S	1.40	1.40	37.740799	-121.953476	0.55	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	S	1.80	1.60	37.745478	-121.956660	0.8	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	S	2.20	2.20	37.751281	-121.960039	0.8	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	N	2.40	2.50	37.754548	-121.961461	0.16	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	S	2.61	2.61	37.756663	-121.962833	0.77	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	N	2.70	2.80	37.757876	-121.963674	0.85	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	N	2.80	2.80	37.759286	-121.964162	0.26	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	S	2.90	2.90	37.760102	-121.966097	0.41	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	N	2.90	3.00	37.761454	-121.965990	0.67	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	S	3.10	3.00	37.762730	-121.967656	0.71	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	N	3.48	3.48	37.766600	-121.969700	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.00	32.00	37.306560	-121.820524	1.11	0.24	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.00	32.10	37.307666	-121.821544	1.31	0.28	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.20	32.20	37.308785	-121.822644	0.72	0.16	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.40	32.40	37.311111	-121.824859	1.08	0.24	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.40	32.40	37.313409	-121.827050	1.96	0.4	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.50	32.50	37.312253	-121.825935	1.72	0.37	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	33.00	33.00	37.317290	-121.831308	0.86	2.2	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	33.00	33.00	37.318556	-121.832621	0.84	1.08	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	N	33.00	33.00	37.319645	-121.830570	0.76	0.78	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	N	33.00	33.00	37.319777	-121.830778	0.93	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	34.00	34.00	37.329534	-121.842586	4.77	2.4	unknown	unknown
Biofiltration Swale	4	ALA	2	1	680	S	0.10	0.10	37.465700	-121.905100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	1	680	E	4.72	4.72	37.524000	-121.946100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	1	880	S	0.40	0.40	37.460751	-121.924981	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	1	880	N	0.88	0.88	37.467500	-121.928300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	1	880	N	1.02	1.02	37.469500	-121.929300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	1	880	N	1.30	1.30	37.473400	-121.931200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	1	880	N	1.95	1.95	37.482400	-121.935900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	1	880	S	2.26	2.26	37.482900	-121.936300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	1	880	S	3.30	3.30	37.492411	-121.949415	3.67	2	unknown	unknown
Biofiltration Swale	4	ALA	2	1	880	N	4.62	4.62	37.506757	-121.965841	3.03	2	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	S	5.30	5.30	37.380797	-121.904318	1.3	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	S	6.30	6.40	37.396768	-121.908254	7	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	N	6.40	6.40	37.397327	-121.907594	7.4	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	N	7.50	7.60	37.413510	-121.912008	8.4	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	S	8.50	8.50	37.426355	-121.917151	0.71	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	92	E	5.10	5.10	37.631676	-122.110531	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	92	W	5.10	5.10	37.632261	-122.110925	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	92	E	5.21	5.21	37.632805	-122.108883	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	92	E	6.50	6.50	37.646087	-122.093090	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	680	W	9.36	9.36	37.571300	-121.890300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	880	S	16.60	16.60	37.643205	-122.093737	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	880	N	16.60	16.60	37.643600	-122.093000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	880	S	16.77	16.77	37.645486	-122.094846	1.88	0.26	unknown	unknown
Biofiltration Swale	4	ALA	2	2	880	S	16.80	16.80	37.646100	-122.094800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	24	W	5.42	5.42	37.849900	-122.223600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	80	S	4.35	4.39	37.845978	-122.298534	0.08	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	3	82	S	13.00	13.00	37.574704	-122.343629	unknown	unknown	22.11	unknown
Biofiltration Swale	4	ALA	2	3	84	E	4.92	4.92	37.552100	-122.051800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	84	W	4.92	4.92	37.552100	-122.051800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	92	E	3.50	5.50	37.623249	-122.135081	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	3	101	S	1.60	1.60	37.466084	-122.150971	1.54	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	3	101	S	1.70	1.70	37.467839	-122.153901	1.46	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	3	101	S	3.30	3.30	37.480813	-122.176175	0.58	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	3	101	S	3.40	3.40	37.481882	-122.178148	1.02	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	3	101	S	3.50	3.40	37.482188	-122.178857	0.66	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	3	101	W	44.84	44.84	37.395700	-122.012900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	3	101	W	45.65	45.65	37.398800	-122.027100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	3	101	W	45.66	45.66	37.398800	-122.027300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	3	101	S	49.55	49.57	37.420203	-122.091783	3.45	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	3	101	N	49.57	49.58	37.421061	-122.092120	3.93	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	3	101	N	50.35	50.36	37.428884	-122.101589	6.64	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	3	101	N	51.90	51.88	37.446327	-122.119707	2.2	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	260	S	0.82	0.82	37.783700	-122.276600	unknown	unknown	unknown	unknown

Biofiltration Swale	4	ALA	2	3	260	S	0.95	0.95	37.785200	-122.277600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	3	580	W	3.80	3.80	37.951900	-122.496800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	880	S	24.81	24.86	37.732431	-122.189623	0.09	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	880	S	28.00	28.00	37.771744	-122.224502	1.31	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	880	N	30.04	30.04	37.788786	-122.250088	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	880		32.30	32.30	37.802769	-122.286667	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	880		32.30	32.30	37.802769	-122.286667	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	238	E	16.45	16.45	37.690600	-122.132700	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	238	E	16.45	16.45	37.690600	-122.132700	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	238	E	16.49	16.49	37.688100	-122.134200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	580	E	44.77	44.77	37.693100	-122.061000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	N	20.28	20.28	37.688100	-122.134200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	N	20.28	20.28	37.688100	-122.134200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	N	22.66	22.68	37.708812	-122.163675	0.4	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	N	22.79	22.80	37.710448	-122.165712	0.43	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	N	22.81	22.81	37.710415	-122.165931	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	S	22.81	22.83	37.710193	-122.166796	0.39	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	S	22.90	22.90	37.710593	-122.168319	0.41	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	S	22.90	22.90	37.711035	-122.166074	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	S	23.68	23.72	37.719265	-122.177560	0.28	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	5	4	E	4.99	4.99	38.015764	-122.180800	5.5	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	5	4	E	16.00	16.00	38.011257	-122.012750	23.5	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	5	4	E	23.92	23.95	38.013180	-121.875133	1.95	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	5	4	E	24.51	24.55	38.011266	-121.866038	5.76	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	5	4	E	25.06	25.08	38.008522	-121.855430	2.84	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	W	0.13	0.14	38.209287	-122.201466	0.29	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	0.81	0.82	38.208373	-122.187996	0.74	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	0.93	0.94	38.208256	-122.185712	0.27	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	W	1.00	1.02	38.208322	-122.184388	0.38	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	1.14	1.17	38.207292	-122.181894	0.47	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	1.30	1.32	38.206544	-122.178816	0.89	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	1.48	1.50	38.206385	-122.175280	0.56	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	2.30	2.36	38.207546	-122.159260	6	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	13.30	13.30	38.223400	-121.891600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	W	13.30	13.30	38.223400	-121.891600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	13.70	13.70	38.218600	-121.887300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	W	15.00	15.00	38.203900	-121.873100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	W	15.60	15.60	38.196200	-121.865300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	W	15.80	15.80	38.194600	-121.863600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	W	16.60	16.60	38.187900	-121.852000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	5	80	W	10.10	10.10	38.015600	-122.268900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	680	N	0.91	0.91	38.049400	-122.130000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	680	S	1.10	1.10	38.051900	-122.130700	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	780	W	0.36	0.36	38.051200	-122.132300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	780	E	0.40	0.40	38.050300	-122.132900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	0.50	0.53	38.221827	-122.249084	0.82	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	W	0.55	0.56	38.221913	-122.248157	1.67	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	0.72	0.75	38.221089	-122.245410	1.39	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	0.96	0.99	38.221202	-122.241407	0.39	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	1.24	1.26	38.220878	-122.236836	1.14	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	W	1.89	1.98	38.217311	-122.225769	0.94	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	1.91	2.02	38.221164	-122.241353	0.56	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	2.06	2.11	38.216369	-122.223866	1.07	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	W	2.32	2.35	38.215132	-122.219605	0.84	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	2.60	2.62	38.213839	-122.215100	1.4	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	2.78	2.80	38.212723	-122.212459	1.28	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	3.11	3.12	38.211106	-122.207128	0.18	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	3.12	3.13	38.210931	-122.207119	0.18	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	7	29	N	12.16	12.16	38.308600	-122.305200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	7	29	N	12.16	12.16	38.308600	-122.305200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	9	12	E	29.91	29.91	38.381300	-122.515500	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	9	12	E	30.15	30.15	38.378200	-122.513600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	9	12	W	30.66	30.66	38.371300	-122.516000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	9	116	W	43.80	43.80	38.249800	-122.496600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	9	116	W	43.80	43.80	38.249806	-122.496583	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	9	116	W	44.00	44.00	38.251024	-122.493210	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	N	3.60	3.60	38.232459	-122.617263	1.12	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	N	3.60	3.60	38.232483	-122.617269	0.5	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	S	3.81	3.81	38.235244	-122.619179	4.56	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	S	4.60	4.60	38.245311	-122.625544	1.48	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	N	5.45	4.63	38.248076	-122.629600	0.47	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	N	7.45	7.47	38.270441	-122.666808	0.3	0.05	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	S	7.58	7.65	38.270888	-122.671104	10.4	0.42	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	N	7.60	7.62	38.271890	-122.669036	0.8	0.04	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	N	7.60	7.68	38.273011	-122.668640	1.6	0.07	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	S	10.60	10.60	38.302694	-122.707770	0.41	0.76	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	S	10.60	10.70	38.303318	-122.708436	1.1	1.11	0.41	unknown
Biofiltration Swale	4	SON	2	10	101	N	10.70	10.80	38.304732	-122.708673	0.5	0.19	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	18.76	18.76	38.076589	-122.543104	0.25	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	19.02	19.02	38.078777	-122.545523	0.95	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	N	20.05	20.05	38.091431	-122.557705	1.52	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	20.73	20.73	38.099600	-122.561800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	23.23	23.25	38.135130	-122.564093	0.17	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	23.49	23.63	38.137113	-122.564307	0.27	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	23.63	23.72	38.138179	-122.564292	0.18	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	23.78	23.80	38.140368	-122.564448	0.06	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	23.81	23.89	38.140788	-122.564497	0.18	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	23.90	23.96	38.142092	-122.564605	0.1	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.00	24.11	38.143609	-122.564739	0.06	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.11	24.15	38.145127	-122.564990	0.23	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.15	24.22	38.145772	-122.565183	0.14	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.22	24.25	38.146723	-122.565782	0.06	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.25	24.28	38.147084	-122.565646	0.04	unknown	unknown	unknown

Biofiltration Swale	4	MRN	2	10	101	S	24.28	24.36	38.147521	-122.565782	0.16	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.49	24.72	38.150784	-122.566961	0.26	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.72	24.82	38.153595	-122.567916	0.11	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.82	24.90	38.154963	-122.568382	0.09	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.84	24.96	38.155275	-122.568505	0.45	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	25.19	25.21	38.159592	-122.570905	0.14	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	25.21	25.29	38.160095	-122.571490	0.39	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	25.45	25.55	38.161917	-122.573979	0.24	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	25.55	25.64	38.163676	-122.576472	0.25	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	N	25.61	25.62	38.163787	-122.575742	0.3	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	10	116	W	42.00	42.00	38.236161	-122.522990	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	12	680	N	4.60	4.60	37.782800	-121.978100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	12	680	N	4.80	4.80	37.785400	-121.979600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	12	680	N	4.90	4.90	37.786700	-121.980400	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	12	680	S	5.20	5.20	37.790800	-121.982400	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	12	680	N	6.30	6.30	37.805300	-121.990300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	12	680	S	20.90	20.90	37.990779	-122.067649	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	12	680	N	20.98	20.98	37.991945	-122.068023	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	12	680	N	21.47	21.47	37.997450	-122.073424	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	84	N	23.54	23.54	37.637146	-121.798542	0.86	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	84	N	23.59	23.59	37.637742	-121.797507	2.95	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	84	N	24.32	24.32	37.646953	-121.803611	2.53	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	84	N	24.38	24.38	37.647633	-121.804076	1.12	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	84	S	24.48	24.48	37.648759	-121.805016	3.1	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	84	N	24.50	24.50	37.649113	-121.804800	0.52	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	84	N	24.57	24.57	37.650183	-121.805185	0.61	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	5.89	5.85	37.719441	-121.659690	2.02	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	6.97	6.84	37.721105	-121.676520	1.65	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	8.48	8.51	37.717605	-121.704607	1.05	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	8.51	8.51	37.717488	-121.704711	0.52	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	8.58	8.57	37.716277	-121.705409	0.46	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	8.63	8.60	37.715971	-121.705941	0.57	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	9.17	9.23	37.712825	-121.715838	5.23	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	9.47	9.47	37.710700	-121.719900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	9.62	9.60	37.709044	-121.722117	0.25	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	9.66	9.64	37.708763	-121.722925	0.44	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	9.73	9.72	37.708397	-121.724229	0.13	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	9.92	9.90	37.707171	-121.727306	0.81	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	10.67	10.65	37.702139	-121.739697	0.35	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	11.02	11.01	37.702088	-121.746329	0.79	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	11.05	11.07	37.702965	-121.747738	1.31	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	11.51	11.51	37.702800	-121.755200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	11.95	11.91	37.702228	-121.763219	0.1	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	12.52	12.50	37.700182	-121.773461	0.21	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	13.14	13.14	37.699700	-121.784600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	13.15	13.16	37.700202	-121.783874	0.98	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	13.26	13.27	37.700066	-121.786065	0.61	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	13.49	13.50	37.700123	-121.789201	0.74	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	13.95	13.96	37.701140	-121.797792	0.61	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	14.21	14.21	37.700800	-121.804000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	14.27	14.27	37.700800	-121.805000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	14.31	14.31	37.700900	-121.805900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	14.32	14.32	37.700900	-121.806000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	15.10	15.09	37.700255	-121.818877	0.84	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	16.55	16.55	37.701221	-121.846652	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	16.76	16.74	37.700284	-121.849835	0.34	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	16.82	16.80	37.700996	-121.851009	0.63	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	16.84	16.83	37.700918	-121.851264	0.34	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	17.99	17.95	37.700645	-121.872570	0.45	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	18.02	18.02	37.700943	-121.873365	0.37	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	18.55	18.56	37.701938	-121.883847	0.29	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	18.67	18.60	37.701078	-121.885116	2.08	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	18.87	18.86	37.701019	-121.888788	0.71	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	18.87	18.86	37.701180	-121.887080	1.14	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	18.93	18.89	37.701201	-121.890014	0.7	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	19.10	19.11	37.701220	-121.893212	0.49	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	20.95	20.96	37.700852	-121.925378	1.77	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	21.36	21.36	37.699043	-121.933833	2.44	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	21.49	21.49	37.698300	-121.936300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	680	N	16.96	16.96	37.659192	-121.903476	2.7	0.8	unknown	unknown
Detention Basin	4	SCL	2	1	101	N	21.46	21.46	37.192456	-121.695728	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	101		27.89	27.89	37.251147	-121.785596	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	101	S	28.44	28.44	37.255648	-121.793898	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	101	S	30.15	30.15	37.282489	-121.808797	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	101	S	31.57	31.57	37.301747	-121.815386	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	680	S	1.70	1.70	37.359089	-121.840741	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	680	N	2.26	2.26	37.366551	-121.845204	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	680	N	2.59	2.59	37.370377	-121.848548	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	680	S	2.65	2.65	37.371102	-121.849279	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	680	S	5.94	5.94	37.411161	-121.879416	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	680	N	6.06	6.06	37.412871	-121.879932	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	1	880	S	3.09	3.09	37.490981	-121.946274	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	1	880	N	3.19	3.19	37.491983	-121.947582	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	1	880	N	4.70	4.70	37.507198	-121.967247	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	880	N	6.60	6.70	37.400135	-121.908191	0.86	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	880	S	6.80	6.90	37.402921	-121.910041	0.76	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	880	S	6.92	6.92	37.404701	-121.909758	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	2	880	S	11.34	11.34	37.577607	-122.047900	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	2	880	S	12.87	12.87	37.596525	-122.059378	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	2	880	S	13.55	13.55	37.605196	-122.065526	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	2	880	S	13.72	13.72	37.607367	-122.067058	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	3	80	E	1.77	1.77	37.823600	-122.317702	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	3	80	E	1.77	1.77	37.823600	-122.317702	unknown	unknown	unknown	unknown

Detention Basin	4	ALA	2	3	80	E	1.77	1.77	37.823600	-122.317702	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	3	80	W	3.24	3.24	37.829864	-122.293808	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	3	80	W	3.24	3.24	37.829864	-122.293808	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	3	80	W	3.24	3.24	37.829864	-122.293808	unknown	unknown	unknown	unknown
Detention Basin	4	SM	2	3	101	S	5.55	5.55	37.489797	-122.215403	unknown	unknown	unknown	unknown
Detention Basin	4	SM	2	3	101	S	6.67	6.67	37.496555	-122.233874	unknown	unknown	unknown	unknown
Detention Basin	4	SM	2	3	101	S	9.55	9.55	37.526310	-122.270131	unknown	unknown	unknown	unknown
Detention Basin	4	SM	2	3	101	S	19.40	19.40	37.616491	-122.398425	unknown	unknown	unknown	unknown
Detention Basin	4	SM	2	3	101	S	19.50	19.50	37.617971	-122.398931	unknown	unknown	unknown	unknown
Detention Basin	4	SM	2	3	101	S	19.60	19.60	37.619462	-122.399446	unknown	unknown	unknown	unknown
Detention Basin	4	SM	2	3	101	S	19.70	19.70	37.620947	-122.399944	unknown	unknown	unknown	unknown
Detention Basin	4	SM	2	3	101	S	19.80	19.80	37.622436	-122.400451	unknown	unknown	unknown	unknown
Detention Basin	4	SM	2	3	101	S	19.90	19.90	37.623925	-122.400957	unknown	unknown	unknown	unknown
Detention Basin	4	SM	2	3	101	S	20.00	20.00	37.625410	-122.401449	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	3	101	S	42.72	42.72	37.385648	-121.976653	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	3	101	S	43.88	43.88	37.391308	-121.996412	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	3	101	N	45.64	45.64	37.398782	-122.027092	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	3	880	S	6.11	6.11	37.521502	-121.985690	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	3	880	N	6.20	6.20	37.522210	-121.987113	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	3	880	S	6.28	6.28	37.522784	-121.988258	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	3	880	N	7.15	7.15	37.529501	-122.001687	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	3	880	S	7.23	7.23	37.530130	-122.002828	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	3	880	S	24.73	24.73	37.731627	-122.188496	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	3	880	S	25.47	25.47	37.740340	-122.196124	unknown	unknown	unknown	unknown
Detention Basin	4	CC	2	4	24	W	2.13	2.13	37.876768	-122.185946	unknown	unknown	unknown	unknown
Detention Basin	4	CC	2	5	4	E	18.57	18.57	38.023652	-121.969416	unknown	unknown	unknown	unknown
Detention Basin	4	CC	2	5	4	W	18.57	18.57	38.023635	-121.969312	unknown	unknown	unknown	unknown
Detention Basin	4	CC	2	5	4	W	24.31	24.27	38.012629	-121.867547	12.35	unknown	unknown	unknown
Detention Basin	4	SOL	2	5	80	N	17.88	17.88	38.257892	-122.062803	unknown	unknown	unknown	unknown
Detention Basin	4	SOL	2	5	80	S	19.74	19.74	38.280164	-122.043950	unknown	unknown	unknown	unknown
Detention Basin	4	CC	2	5	680	N	24.60	24.60	38.027200	-122.112700	unknown	unknown	unknown	unknown
Detention Basin	4	SOL	2	6	80	S	3.42	3.42	38.108552	-122.229662	unknown	unknown	unknown	unknown
Detention Basin	4	SOL	2	6	80	N	5.65	5.65	38.139080	-122.220077	unknown	unknown	unknown	unknown
Detention Basin	4	MRN	2	10	101	N	18.85	18.85	38.077376	-122.543452	unknown	unknown	unknown	unknown
Detention Basin	4	MRN	2	10	101	S	19.14	19.14	38.080564	-122.546809	unknown	unknown	unknown	unknown
Detention Basin	4	MRN	2	10	101	S	20.42	20.42	38.095145	-122.561185	unknown	unknown	unknown	unknown
Detention Basin	4	MRN	2	10	101	S	25.58	25.58	38.162966	-122.575826	15.4	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	E	9.61	9.61	37.709300	-121.722100	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	W	9.80	9.70	37.709045	-121.725325	3.86	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	W	13.96	13.96	37.701600	-121.800300	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	W	13.96	13.96	37.701600	-121.800300	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	W	14.01	14.01	37.700100	-121.803800	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	W	14.01	14.01	37.700100	-121.803800	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	E	14.20	14.20	37.701200	-121.799200	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	E	14.20	14.20	37.701200	-121.799200	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	W	19.62	19.62	37.701678	-121.902652	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	E	19.74	19.74	37.701709	-121.904796	unknown	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	4	NAP	2	8	128	E	9.20	9.20	38.480653	-122.376707	0.01	unknown	unknown	unknown
Infiltration Basin	4	ALA	2	3	80	E	1.60	1.60	37.822100	-122.320200	unknown	unknown	unknown	unknown
Infiltration Basin	4	ALA	2	3	80	E	1.60	1.60	37.822200	-122.319900	unknown	unknown	unknown	unknown
Infiltration Basin	4	ALA	2	3	80	E	1.70	1.70	37.822200	-122.319400	unknown	unknown	unknown	unknown
Infiltration Basin	4	ALA	2	3	80	W	2.60	2.60	37.825300	-122.308200	unknown	unknown	unknown	unknown
Infiltration Basin	4	SCL	2	3	280	W	5.97	5.97	37.318100	-121.975200	unknown	unknown	unknown	unknown
Infiltration Basin	4	SCL	2	3	280	W	6.02	6.02	37.317900	-121.976100	unknown	unknown	unknown	unknown
Infiltration Basin	4	ALA	2	3	580	W	46.50	46.50	37.827800	-122.293600	unknown	unknown	unknown	unknown
Infiltration Basin	4	ALA	2	3	580	E	46.50	46.50	37.828300	-122.293100	unknown	unknown	unknown	unknown
Infiltration Basin	4	ALA	2	3	580	E	46.50	46.50	37.828500	-122.293300	unknown	unknown	unknown	unknown
Infiltration Trench	4	CC	2	5	4	E	20.27	20.27	38.018943	-121.939118	unknown	unknown	unknown	unknown
Infiltration Trench	4	CC	2	5	680	S	24.30	24.43	38.025133	-122.112344	unknown	unknown	unknown	unknown
Infiltration Trench	4	CC	2	5	680	S	24.76	24.76	38.028236	-122.116743	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	S	25.69	25.69	38.472444	-122.432786	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	S	25.69	25.69	38.472444	-122.432786	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	25.70	25.70	38.472563	-122.432869	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	25.82	25.82	38.474075	-122.433861	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	S	25.93	25.93	38.475435	-122.434801	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	S	25.93	25.93	38.475435	-122.434801	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	S	25.96	25.96	38.475800	-122.435063	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	S	25.96	25.96	38.475800	-122.435063	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	S	26.22	26.22	38.478752	-122.438023	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	S	26.29	26.29	38.479524	-122.438937	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	S	26.36	26.36	38.480295	-122.439848	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	26.41	26.41	38.480847	-122.440493	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	26.43	26.43	38.481067	-122.440752	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	26.43	26.43	38.481067	-122.440752	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	26.75	26.75	38.484383	-122.444694	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	26.76	26.76	38.484482	-122.444810	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	26.77	26.77	38.484581	-122.444927	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	26.86	26.86	38.485477	-122.446003	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	26.89	26.89	38.485796	-122.446380	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	S	27.10	27.10	38.488056	-122.449036	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	27.17	27.17	38.488806	-122.449943	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	27.20	27.20	38.489134	-122.450325	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	27.22	27.22	38.489353	-122.450579	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	27.22	27.22	38.489353	-122.450579	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	27.51	27.51	38.492493	-122.454240	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	27.66	27.66	38.493981	-122.455975	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	27.70	27.70	38.494378	-122.456437	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP	2	7	29	N	27.74	27.74	38.494816	-122.456949	unknown	unknown	unknown	unknown
Infiltration Trench	4	ALA	2	13	580	E	6.92	6.92	37.721110	-121.676568	4.7	unknown	unknown	unknown
Other	4	SOL	2	6	37	W	9.05	9.05	38.132300	-122.262100	unknown	unknown	unknown	unknown
Other	4	NAP	2	7	29	S	29.93	29.93	38.516600	-122.486200	unknown	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	22.36	22.43	38.123094	-122.565941	0.45	unknown	unknown	unknown

Other	4	MRN	2	10	101	S	22.43	22.52	38.124927	-122.566010	0.6	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	22.75	22.87	38.126719	-122.566175	0.76	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	22.87	22.99	38.131024	-122.564209	0.66	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	22.99	23.06	38.132117	-122.564058	0.41	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	23.06	23.15	38.133387	-122.564039	0.52	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	23.24	23.64	38.135935	-122.564182	0.8	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	23.25	23.19	38.134828	-122.564078	0.28	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	23.64	23.79	38.138900	-122.564355	0.6	unknown	unknown	unknown
Wet Basin	4	ALA	2	1	880	S	4.74	4.74	37.507662	-121.967807	unknown	unknown	unknown	unknown
Wet Basin	4	CC	2	4	24	W	2.13	2.13	37.876734	-122.185971	unknown	unknown	unknown	unknown

Treatment BMP List - San Francisco Bay PCBs TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	4	ALA	2	13	84	S	24.85	24.85	37.654236	-121.805883	10.36	unknown	unknown	unknown
Austin Sand Filter	4	ALA	2	13	84	N	26.17	26.17	37.673332	-121.804950	8.43	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	S	0.10	0.10	37.465700	-121.905100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	S	0.20	0.20	37.466900	-121.906100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	S	2.30	2.30	37.494700	-121.922300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	S	2.35	2.35	37.495200	-121.922900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	S	2.42	2.42	37.495900	-121.923600	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	S	2.51	2.51	37.496900	-121.924700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	W	3.96	3.96	37.513900	-121.939300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	W	3.98	3.98	37.514200	-121.939500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	680	N	4.00	4.00	37.514400	-121.939600	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	7.52	7.52	37.433000	-121.887700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	7.60	7.60	37.434100	-121.888300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	7.69	7.69	37.435200	-121.888800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	7.75	7.75	37.436200	-121.889100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	7.91	7.91	37.438500	-121.889500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	8.45	8.45	37.446600	-121.891200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	1	680	S	8.63	8.63	37.449100	-121.891800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	1	880	N	3.18	3.18	37.492120	-121.947356	0.48	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	84	W	21.75	21.75	37.615400	-121.815000	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	92	E	5.10	5.10	37.631900	-122.110700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	92	W	5.10	5.10	37.631900	-122.110700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	92	E	5.40	5.40	37.634100	-122.105800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	92	N	6.50	6.50	37.646104	-122.093808	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	880	N	16.60	16.60	37.643600	-122.093000	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	2	880	S	16.80	16.80	37.645488	-122.094848	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	24	W	5.41	5.41	37.849800	-122.223700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	24	W	5.43	5.43	37.850000	-122.223500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	80	S	3.40	3.40	37.829000	-122.294100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	80	S	3.40	3.40	37.829500	-122.293900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	84	W	5.12	5.12	37.553800	-122.049100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	1.00	1.10	37.462188	-122.143149	0.22	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	1.80	1.80	37.468688	-122.154299	0.22	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	S	1.90	1.90	37.469144	-122.156617	0.27	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	1.90	2.00	37.470001	-122.156435	0.15	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	14.73	14.73	37.584900	-122.329200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	14.73	14.73	37.584900	-122.329200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	14.73	14.73	37.584900	-122.329200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	14.73	14.73	37.584900	-122.329200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	3	101	N	14.73	14.73	37.584900	-122.329200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	3	101	S	48.95	48.98	37.414245	-122.083575	1.42	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	3	101	N	50.18	50.30	37.428127	-122.100852	1.26	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	3	280	W	7.19	7.19	37.321300	-121.996400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	3	280	W	7.39	7.39	37.323100	-121.999900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	3	580	E	4.72	4.72	37.962400	-122.510100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	680	N	6.45	6.45	37.539900	-121.925400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	680	W	6.50	6.50	37.541700	-121.923300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	680	W	6.65	6.65	37.541700	-121.923300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	6.16	6.16	37.521631	-121.986580	0.91	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.76	24.76	37.731788	-122.189114	0.1	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	24.79	24.79	37.731585	-122.189872	0.1	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	25.38	25.39	37.738910	-122.195314	0.05	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	3	880	S	25.40	25.47	37.739301	-122.195652	0.02	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	238	E	15.04	15.04	37.688900	-122.107500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	238	W	15.06	15.06	37.688900	-122.107900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.28	24.28	37.726059	-122.184115	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.30	24.30	37.726258	-122.184137	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.32	24.32	37.726533	-122.184377	0.07	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.34	24.34	37.726778	-122.184558	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	N	24.34	24.34	37.727032	-122.184131	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.34	24.34	37.726826	-122.184640	0.03	0.01	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.35	24.35	37.726888	-122.184667	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.38	24.38	37.727299	-122.185037	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	N	24.38	24.38	37.727547	-122.184615	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.41	24.41	37.727593	-122.185291	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.41	24.41	37.727639	-122.185313	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.43	24.43	37.727914	-122.185557	0.03	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	4	880	S	24.44	24.44	37.727975	-122.185618	0.03	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	5	4	W	14.59	14.59	38.008006	-122.034079	0.17	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	5	4	W	15.13	15.13	38.009049	-122.031270	0.2	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	5	4	W	16.68	16.68	38.013462	-122.001274	0.2	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.30	0.37	38.208807	-122.196823	0.4	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.38	0.40	38.208810	-122.196265	0.1	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.69	0.70	38.208410	-122.190361	0.16	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.75	0.78	38.208332	-122.188768	0.23	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.75	0.80	38.208371	-122.189570	0.22	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.81	0.82	38.208362	-122.187942	0.1	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.86	0.93	38.208329	-122.186572	0.12	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.93	0.14	38.208281	-122.185920	0.14	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	0.94	0.99	38.208251	-122.185453	0.22	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	1.01	1.03	38.208029	-122.184451	0.13	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	1.04	1.14	38.207812	-122.183637	0.48	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	1.39	1.45	38.206217	-122.176851	0.25	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	1.62	1.63	38.206568	-122.172822	0.32	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	2.29	2.36	38.207550	-122.159432	0.36	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	E	2.37	2.40	38.207548	-122.157797	0.13	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	12	W	16.20	16.20	38.190800	-121.857200	unknown	unknown	unknown	unknown

Biofiltration Strip	4	SOL	2	5	80	W	8.51	8.51	38.173200	-122.194500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	W	9.25	9.25	38.181200	-122.185400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	W	10.32	10.32	38.189600	-122.170100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	W	11.76	11.76	38.205900	-122.152600	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.12	14.23	38.228107	-122.119127	0.87	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.24	14.53	38.228966	-122.116764	3.64	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.24	14.54	38.230654	-122.112643	1.18	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.56	14.64	38.231243	-122.110834	0.34	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.58	14.86	38.231314	-122.111297	3.62	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.64	14.70	38.231953	-122.109790	0.28	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.68	14.92	38.232599	-122.107885	7.87	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.89	15.17	38.234810	-122.103229	1.88	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.93	14.93	38.233556	-122.106022	7.87	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	14.96	15.11	38.234000	-122.104890	0.93	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	15.05	15.14	38.235047	-122.102725	0.95	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	15.12	15.16	38.234880	-122.102503	0.24	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	15.18	15.24	38.235262	-122.101369	0.36	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	15.23	15.42	38.235956	-122.099565	0.55	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	15.25	15.36	38.236202	-122.100057	1.31	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	15.33	15.43	38.236630	-122.098789	0.58	unknown	unknown	unknown
Biofiltration Strip	4	SOL	2	5	80	E	15.45	15.55	38.237244	-122.096987	0.56	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	0.04	0.24	38.223047	-122.257168	0.86	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	W	0.29	0.37	38.222371	-122.252519	0.31	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	W	0.47	0.53	38.222185	-122.249479	0.27	unknown	unknown	unknown
Biofiltration Strip	4	NAP	1	6	12	E	0.83	0.86	38.221255	-122.243567	0.03	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	0.93	0.98	38.221144	-122.241874	0.17	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	1.05	1.22	38.221237	-122.239883	1	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	1.26	1.31	38.220759	-122.236540	0.4	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	1.33	1.43	38.220286	-122.235427	0.06	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	W	1.39	1.45	38.220403	-122.234617	0.4	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	1.53	1.58	38.219247	-122.232286	0.26	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	1.60	1.69	38.218866	-122.231165	0.43	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	1.79	1.85	38.217815	-122.228223	0.27	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	2.21	2.27	38.215545	-122.221501	0.28	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	2.31	2.45	38.214993	-122.219956	0.65	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	2.45	2.55	38.213835	-122.216091	0.47	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	6	12	E	2.55	2.64	38.213802	-122.215972	0.44	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	S	25.53	25.53	38.470549	-122.431455	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	S	25.59	25.59	38.471260	-122.431954	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	N	25.61	25.61	38.471497	-122.432121	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	S	25.69	25.69	38.472444	-122.432786	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	S	25.74	25.74	38.473061	-122.433205	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	S	26.61	26.61	38.482991	-122.443062	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	S	26.67	26.67	38.483591	-122.443762	unknown	unknown	unknown	unknown
Biofiltration Strip	4	NAP	2	7	29	S	26.71	26.71	38.483987	-122.444228	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	12	E	29.79	29.79	38.382900	-122.516500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	12	E	30.18	30.18	38.377700	-122.513400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	41.15	41.15	38.228800	-122.531100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	42.30	42.30	38.237120	-122.517361	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	42.45	42.45	38.237000	-122.514500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	42.45	42.45	38.237000	-122.514500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	42.50	42.50	38.236900	-122.513500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	42.50	42.50	38.236900	-122.513500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	42.50	42.50	38.236930	-122.513530	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	42.50	42.50	38.236930	-122.513530	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	42.75	42.75	38.236600	-122.508800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	42.80	42.80	38.236894	-122.507891	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	43.00	43.00	38.239824	-122.505485	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	43.00	43.00	38.240000	-122.505800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	43.10	43.10	38.241900	-122.505900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	43.10	43.10	38.241900	-122.505900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	43.20	43.20	38.243400	-122.504900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	43.20	43.20	38.243406	-122.504913	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	43.75	43.75	38.249800	-122.496600	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	43.90	43.90	38.250420	-122.494892	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	44.10	44.10	38.251600	-122.491500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	44.15	44.15	38.251900	-122.490600	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	44.20	44.20	38.252127	-122.489791	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	44.20	44.20	38.252127	-122.489791	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	44.25	44.25	38.252400	-122.488900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	44.30	44.30	38.252684	-122.488091	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	44.35	44.35	38.252900	-122.487200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	44.55	44.55	38.254000	-122.484000	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	44.60	44.60	38.254200	-122.483300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	E	44.60	44.60	38.254334	-122.482939	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	9	116	W	44.60	44.60	38.254334	-122.482939	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	4.54	4.64	38.244395	-122.624359	0.64	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	4.69	4.72	38.246526	-122.626582	0.1	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	4.70	4.70	38.246108	-122.627106	0.03	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	4.70	4.70	38.246780	-122.628113	0.1	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	4.72	4.74	38.247068	-122.626815	0.03	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	4.74	4.75	38.246557	-122.626454	0.1	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	4.75	4.76	38.246992	-122.628579	0.07	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	7.10	7.20	38.267235	-122.663758	0.63	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	7.20	7.10	38.266166	-122.663286	0.64	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	7.20	7.30	38.268012	-122.664650	0.62	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	7.30	7.20	38.267960	-122.665314	0.64	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	7.30	7.40	38.269110	-122.665902	0.83	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	7.40	7.30	38.268821	-122.666291	0.38	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	7.40	7.50	38.269684	-122.666507	0.46	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	7.50	7.40	38.269310	-122.666807	0.49	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	7.50	7.50	38.270180	-122.667845	0.36	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	7.80	8.10	38.274721	-122.673040	1.54	unknown	unknown	unknown

Biofiltration Strip	4	SON	2	10	101	N	8.10	8.20	38.276692	-122.675581	0.89	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	8.20	8.10	38.276668	-122.676284	0.82	unknown	unknown	unknown
Biofiltration Strip	4	SON	1	10	101	S	8.30	8.20	38.277708	-122.677299	0.52	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	8.40	8.60	38.280252	-122.680243	1.2	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	8.60	8.40	38.279888	-122.680498	1.58	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	N	8.60	8.90	38.283901	-122.684947	2.14	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	101	S	8.70	8.60	38.281944	-122.683174	0.42	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	18.74	18.74	38.075920	-122.542527	0.91	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	W	18.84	18.84	38.077282	-122.543702	0.27	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	18.93	18.93	38.078209	-122.544829	1	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	19.61	19.61	38.085925	-122.551999	1.12	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	19.71	19.71	38.086638	-122.553661	1.18	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	19.81	19.81	38.088274	-122.554539	0.88	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	20.07	20.07	38.090428	-122.557685	1.19	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	20.24	20.24	38.093655	-122.558458	0.45	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	20.26	20.26	38.093087	-122.559567	0.79	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	22.50	22.72	38.124902	-122.565703	1.84	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	23.66	23.26	38.138615	-122.563844	0.63	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	23.80	23.80	38.140647	-122.563825	0.07	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	23.81	23.81	38.140899	-122.563841	0.78	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	23.96	24.00	38.143009	-122.564690	0.09	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	24.13	24.22	38.146113	-122.564760	0.35	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	24.21	24.21	38.146558	-122.564963	0.49	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	24.22	24.29	38.147392	-122.565233	0.27	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	24.46	24.46	38.149976	-122.566687	0.03	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	24.47	24.47	38.150379	-122.566234	0.26	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	24.48	24.48	38.150607	-122.566201	0.06	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	24.72	24.72	38.153633	-122.567369	0.25	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	24.83	24.83	38.155065	-122.568432	0.47	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.25	25.25	38.156607	-122.568929	0.94	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	25.25	25.25	38.160324	-122.571137	1.01	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	25.29	25.29	38.160729	-122.571640	0.34	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	25.35	25.35	38.161722	-122.572970	0.6	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.37	25.37	38.161124	-122.572964	0.02	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.46	25.46	38.162004	-122.574025	0.12	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.50	25.50	38.162386	-122.574620	0.03	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	25.51	25.51	38.162759	-122.574443	0.34	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.52	25.52	38.164246	-122.576768	unknown	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	25.52	25.52	38.162835	-122.574545	0.16	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	25.56	25.56	38.163286	-122.575128	0.73	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	N	25.58	25.58	38.163581	-122.575502	0.1	unknown	unknown	unknown
Biofiltration Strip	4	MRN		10	101	N	25.62	25.62	38.165280	-122.578003	unknown	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.66	25.66	38.163165	-122.575749	0.33	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.88	25.88	38.166413	-122.579822	0.17	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	25.95	25.95	38.167097	-122.580823	0.65	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	26.08	26.08	38.168287	-122.582758	0.38	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	26.18	26.18	38.168872	-122.584074	1.01	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	26.47	26.47	38.172079	-122.588346	0.51	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	26.56	26.56	38.172911	-122.589817	1.07	unknown	unknown	unknown
Biofiltration Strip	4	MRN	2	10	101	S	26.87	26.87	38.176135	-122.594122	0.19	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	116	W	41.85	41.85	38.236000	-122.525900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON		10	116	W	41.90	41.90	38.235944	-122.524905	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	116	W	42.00	42.00	38.236200	-122.523000	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON		10	116	E	42.20	42.20	38.237018	-122.519279	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	10	116	W	42.25	42.25	38.237000	-122.518300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	4	W	10.18	10.18	37.993239	-122.103306	0.01	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	4	W	10.32	10.32	37.992356	-122.101106	0.02	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	4	E	12.36	12.37	37.992614	-122.074470	0.05	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	4	W	13.71	13.71	38.002058	-122.049941	0.04	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	4	E	13.94	13.94	38.001407	-122.050231	0.1	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	680	S	4.10	4.10	37.775999	-121.975165	0.38	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	680	S	4.70	4.50	37.783480	-121.978830	0.88	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	680	S	6.30	6.00	37.803553	-121.989873	2.48	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	680	N	7.50	7.50	37.822602	-121.993018	0.17	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	12	680	N	12.00	12.50	37.872267	-122.042624	0.22	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	W	20.84	20.84	37.607800	-121.828700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	W	21.23	21.23	37.610600	-121.822600	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	W	22.80	22.80	37.627000	-121.804100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	W	23.02	23.02	37.629700	-121.801900	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	N	23.03	23.03	37.632512	-121.801722	0.27	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	E	23.12	23.12	37.633635	-121.801695	2.09	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	N	23.54	23.54	37.637030	-121.798415	0.15	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	S	23.58	23.58	37.637551	-121.797770	0.59	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	84	N	24.35	24.35	37.647245	-121.803849	3.52	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	9.07	9.07	37.713500	-121.713400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	9.07	9.07	37.713500	-121.713300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	9.07	9.07	37.713500	-121.713300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	9.07	9.07	37.713500	-121.713300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	9.07	9.07	37.713500	-121.713300	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	9.08	9.00	37.713075	-121.712964	0.33	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	9.18	9.09	37.712458	-121.714703	0.38	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	10.70	10.70	37.701557	-121.739845	0.39	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	10.80	10.70	37.702775	-121.741597	1	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	11.07	11.07	37.702500	-121.747200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	12.03	12.03	37.702400	-121.764500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	13.50	13.40	37.700055	-121.789138	1.01	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	13.60	13.50	37.700325	-121.790761	0.58	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	13.60	13.60	37.700447	-121.791251	0.41	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	13.90	13.90	37.701049	-121.796940	0.42	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	14.00	14.00	37.701155	-121.799980	0.71	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	14.10	14.00	37.701146	-121.800426	0.3	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	14.33	14.33	37.700900	-121.806100	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	14.45	14.45	37.700900	-121.808300	unknown	unknown	unknown	unknown

Biofiltration Strip	4	ALA	2	13	580	E	14.48	14.48	37.700900	-121.808800	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	14.74	14.74	37.700900	-121.813500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA		13	580	W	14.86	14.86	37.700966	-121.815450	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	14.95	15.02	37.701257	-121.816696	1.89	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	15.00	15.00	37.701000	-121.818400	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	15.08	15.20	37.701353	-121.819073	0.7	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	16.62	16.70	37.701628	-121.848359	0.34	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	16.82	16.86	37.701571	-121.850671	0.34	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	16.95	17.08	37.701624	-121.853607	1.61	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	17.80	17.80	37.701400	-121.869500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	17.82	17.87	37.701765	-121.870528	1.11	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	E	18.03	18.03	37.701500	-121.873500	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	18.20	18.00	37.701837	-121.875786	3.18	unknown	unknown	unknown
Biofiltration Strip	4	ALA		13	580	W	18.58	18.58	37.701556	-121.883633	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA		13	580	W	18.60	18.60	37.701558	-121.883996	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	18.70	18.60	37.702155	-121.886095	1.13	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	18.71	18.76	37.701883	-121.886870	0.52	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	18.84	18.88	37.701937	-121.889020	0.45	unknown	unknown	unknown
Biofiltration Strip	4	ALA		13	580	E	18.85	18.85	37.701579	-121.888567	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	18.89	19.01	37.701976	-121.890579	1.85	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	19.75	19.80	37.702061	-121.905502	1.04	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	19.84	19.92	37.702402	-121.906650	0.32	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	19.90	19.90	37.702128	-121.908246	0.68	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	19.93	20.00	37.702246	-121.908688	0.97	unknown	unknown	unknown
Biofiltration Strip	4	ALA		13	580	W	20.88	20.88	37.700362	-121.925395	unknown	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	21.30	21.20	37.699168	-121.933131	0.75	unknown	unknown	unknown
Biofiltration Strip	4	ALA	2	13	580	W	21.31	21.36	37.698973	-121.933679	0.72	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	N	0.20	0.40	37.725813	-121.941478	1.58	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	S	1.40	1.40	37.740799	-121.953476	0.55	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	S	1.80	1.60	37.745478	-121.956660	0.8	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	S	2.20	2.20	37.751281	-121.960039	0.8	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	N	2.40	2.50	37.754548	-121.961461	0.16	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	S	2.61	2.61	37.756663	-121.962833	0.77	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	N	2.70	2.80	37.757876	-121.963674	0.85	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	N	2.80	2.80	37.759286	-121.964162	0.26	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	S	2.90	2.90	37.760102	-121.966097	0.41	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	N	2.90	3.00	37.761454	-121.965990	0.67	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	S	3.10	3.00	37.762730	-121.967656	0.71	unknown	unknown	unknown
Biofiltration Strip	4	CC	2	13	680	N	3.48	3.48	37.766600	-121.969700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	14	85	W	3.80	3.80	37.249700	-121.834700	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	14	85	E	4.10	4.10	37.251900	-121.839200	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SCL	2	14	87	S	6.15	6.15	37.337400	-121.897800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.00	32.00	37.306560	-121.820524	1.11	0.24	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.00	32.10	37.307666	-121.821544	1.31	0.28	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.20	32.20	37.308785	-121.822644	0.72	0.16	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.40	32.40	37.311111	-121.824859	1.08	0.24	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.40	32.40	37.313409	-121.827050	1.96	0.4	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	32.50	32.50	37.312253	-121.825935	1.72	0.37	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	33.00	33.00	37.317290	-121.831308	0.86	2.2	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	33.00	33.00	37.318556	-121.832621	0.84	1.08	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	N	33.00	33.00	37.319645	-121.830570	0.76	0.78	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	N	33.00	33.00	37.319777	-121.830778	0.93	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	101	S	34.00	34.00	37.329534	-121.842586	4.77	2.4	unknown	unknown
Biofiltration Swale	4	ALA	2	1	680	S	0.10	0.10	37.465700	-121.905100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	1	680	E	4.72	4.72	37.524000	-121.946100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA		1	880	S	0.40	0.40	37.460751	-121.924981	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	1	880	N	0.88	0.88	37.467500	-121.928300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	1	880	N	1.02	1.02	37.469500	-121.929300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	1	880	N	1.30	1.30	37.473400	-121.931200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	3	1	880	N	1.95	1.95	37.482400	-121.935900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	1	880	S	2.26	2.26	37.482900	-121.936300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	1	880	S	3.30	3.30	37.492411	-121.949415	3.67	2	unknown	unknown
Biofiltration Swale	4	ALA	2	1	880	N	4.62	4.62	37.506757	-121.965841	3.03	2	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	S	5.30	5.30	37.380797	-121.904318	1.3	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	S	6.30	6.40	37.396768	-121.908254	7	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	N	6.40	6.40	37.397327	-121.907594	7.4	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	N	7.50	7.60	37.413510	-121.912008	8.4	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	1	880	S	8.50	8.50	37.426355	-121.917151	0.71	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	92	E	5.10	5.10	37.631676	-122.110531	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	92	W	5.10	5.10	37.632261	-122.110925	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA		2	92	E	5.21	5.21	37.632805	-122.108883	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA		2	92	E	6.50	6.50	37.646087	-122.093090	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	680	W	9.36	9.36	37.571300	-121.890300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	880	S	16.60	16.60	37.643205	-122.093737	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	880	N	16.60	16.60	37.643600	-122.093000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	2	880	S	16.77	16.77	37.645486	-122.094846	1.88	0.26	unknown	unknown
Biofiltration Swale	4	ALA	2	2	880	S	16.80	16.80	37.646100	-122.094800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	24	W	5.42	5.42	37.849900	-122.223600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	80	S	4.35	4.39	37.845978	-122.298534	0.08	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	3	82	S	13.00	13.00	37.574704	-122.343629	unknown	unknown	22.11	unknown
Biofiltration Swale	4	ALA	2	3	84	E	4.92	4.92	37.552100	-122.051800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	84	W	4.92	4.92	37.552100	-122.051800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	92	E	3.50	5.50	37.623249	-122.135081	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	3	101	S	1.60	1.60	37.466084	-122.150971	1.54	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	3	101	S	1.70	1.70	37.467839	-122.153901	1.46	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	3	101	S	3.30	3.30	37.480813	-122.176175	0.58	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	3	101	S	3.40	3.40	37.481882	-122.178148	1.02	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	3	101	S	3.50	3.40	37.482188	-122.178857	0.66	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	3	101	W	44.84	44.84	37.395700	-122.012900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	3	101	W	45.65	45.65	37.398800	-122.027100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	3	101	W	45.66	45.66	37.398800	-122.027300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	3	101	S	49.55	49.57	37.420203	-122.091783	3.45	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	3	101	N	49.57	49.58	37.421061	-122.092120	3.93	unknown	unknown	unknown

Biofiltration Swale	4	SCL	2	3	101	N	50.35	50.36	37.428884	-122.101589	6.64	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	3	101	N	51.90	51.88	37.446327	-122.119707	2.2	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	260	S	0.82	0.82	37.783700	-122.276600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	260	S	0.95	0.95	37.785200	-122.277600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	3	580	W	3.80	3.80	37.951900	-122.496800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	880	S	24.81	24.86	37.732431	-122.189623	0.09	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	880	S	28.00	28.00	37.771744	-122.224502	1.31	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	3	880	N	30.04	30.04	37.788786	-122.250088	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA		3	880		32.30	32.30	37.802769	-122.286667	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA		3	880		32.30	32.30	37.802769	-122.286667	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	238	E	16.45	16.45	37.690600	-122.132700	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	238	E	16.45	16.45	37.690600	-122.132700	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	238	E	16.49	16.49	37.688100	-122.134200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	580	E	44.77	44.77	37.693100	-122.061000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	N	20.28	20.28	37.688100	-122.134200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	N	20.28	20.28	37.688100	-122.134200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	N	22.66	22.68	37.708812	-122.163675	0.4	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	N	22.79	22.80	37.710448	-122.165712	0.43	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	N	22.81	22.81	37.710415	-122.165931	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	S	22.81	22.83	37.710193	-122.166796	0.39	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	S	22.90	22.90	37.710593	-122.168319	0.41	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	S	22.90	22.90	37.711035	-122.166074	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	4	880	S	23.68	23.72	37.719265	-122.177560	0.28	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	5	4	E	4.99	4.99	38.015764	-122.180800	5.5	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	5	4	E	16.00	16.00	38.011257	-122.012750	23.5	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	5	4	E	23.92	23.95	38.013180	-121.875133	1.95	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	5	4	E	24.51	24.55	38.011266	-121.866038	5.76	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	5	4	E	25.06	25.08	38.008522	-121.855430	2.84	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	W	0.13	0.14	38.209287	-122.201466	0.29	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	0.81	0.82	38.208373	-122.187996	0.74	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	0.93	0.94	38.208256	-122.185712	0.27	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	W	1.00	1.02	38.208322	-122.184388	0.38	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	1.14	1.17	38.207292	-122.181894	0.47	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	1.30	1.32	38.206544	-122.178816	0.89	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	1.48	1.50	38.206385	-122.175280	0.56	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	2.30	2.36	38.207546	-122.159260	6	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	13.30	13.30	38.223400	-121.891600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	W	13.30	13.30	38.223400	-121.891600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	E	13.70	13.70	38.218600	-121.887300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	W	15.00	15.00	38.203900	-121.873100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	W	15.60	15.60	38.196200	-121.865300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	W	15.80	15.80	38.194600	-121.863600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	12	W	16.60	16.60	38.187900	-121.852000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	5	80	W	10.10	10.10	38.015600	-122.268900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	680	N	0.91	0.91	38.049400	-122.130000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	680	S	1.10	1.10	38.051900	-122.130700	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	780	W	0.36	0.36	38.051200	-122.132300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SOL	2	5	780	E	0.40	0.40	38.050300	-122.132900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	0.50	0.53	38.221827	-122.249084	0.82	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	W	0.55	0.56	38.221913	-122.248157	1.67	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	0.72	0.75	38.221089	-122.245410	1.39	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	0.96	0.99	38.221202	-122.241407	0.39	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	1.24	1.26	38.220878	-122.236836	1.14	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	W	1.89	1.98	38.217311	-122.225769	0.94	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	1.91	2.02	38.221164	-122.241353	0.56	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	2.06	2.11	38.216369	-122.223866	1.07	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	W	2.32	2.35	38.215132	-122.219605	0.84	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	2.60	2.62	38.213839	-122.215100	1.4	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	2.78	2.80	38.212723	-122.212459	1.28	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	3.11	3.12	38.211106	-122.207128	0.18	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	6	12	E	3.12	3.13	38.210931	-122.207119	0.18	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	7	29	N	12.16	12.16	38.308600	-122.305200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	NAP	2	7	29	N	12.16	12.16	38.308600	-122.305200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	9	12	E	29.91	29.91	38.381300	-122.515500	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	9	12	E	30.15	30.15	38.378200	-122.513600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	9	12	W	30.66	30.66	38.371300	-122.516000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	9	116	W	43.80	43.80	38.249800	-122.496600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON		9	116	W	43.80	43.80	38.249806	-122.496583	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON		9	116	W	44.00	44.00	38.251024	-122.493210	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	N	3.60	3.60	38.232459	-122.617263	1.12	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	N	3.60	3.60	38.232483	-122.617269	0.5	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	S	3.81	3.81	38.235244	-122.619179	4.56	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	S	4.60	4.60	38.245311	-122.625544	1.48	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	N	5.45	4.63	38.248076	-122.629600	0.47	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	N	7.45	7.47	38.270441	-122.666808	0.3	0.05	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	S	7.58	7.65	38.270888	-122.671104	10.4	0.42	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	N	7.60	7.62	38.271890	-122.669036	0.8	0.04	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	N	7.60	7.68	38.273011	-122.668640	1.6	0.07	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	S	10.60	10.60	38.302694	-122.707770	0.41	0.76	unknown	unknown
Biofiltration Swale	4	SON	2	10	101	S	10.60	10.70	38.303318	-122.708436	1.1	1.11	0.41	unknown
Biofiltration Swale	4	SON	2	10	101	N	10.70	10.80	38.304732	-122.708673	0.5	0.19	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	18.76	18.76	38.076589	-122.543104	0.25	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	19.02	19.02	38.078777	-122.545523	0.95	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	N	20.05	20.05	38.091431	-122.557705	1.52	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	20.73	20.73	38.099600	-122.561800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	23.23	23.25	38.135130	-122.564093	0.17	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	23.49	23.63	38.137113	-122.564307	0.27	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	23.63	23.72	38.138179	-122.564292	0.18	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	23.78	23.80	38.140368	-122.564448	0.06	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	23.81	23.89	38.140788	-122.564497	0.18	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	23.90	23.96	38.142092	-122.564605	0.1	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.00	24.11	38.143609	-122.564739	0.06	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.11	24.15	38.145127	-122.564990	0.23	unknown	unknown	unknown

Biofiltration Swale	4	MRN	2	10	101	S	24.15	24.22	38.145772	-122.565183	0.14	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.22	24.25	38.146723	-122.565782	0.06	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.25	24.28	38.147084	-122.565646	0.04	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.28	24.36	38.147521	-122.565782	0.16	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.49	24.72	38.150784	-122.566961	0.26	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.72	24.82	38.153595	-122.567916	0.11	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.82	24.90	38.154963	-122.568382	0.09	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	24.84	24.96	38.155275	-122.568505	0.45	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	25.19	25.21	38.159592	-122.570905	0.14	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	25.21	25.29	38.160095	-122.571490	0.39	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	25.45	25.55	38.161917	-122.573979	0.24	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	S	25.55	25.64	38.163676	-122.576472	0.25	unknown	unknown	unknown
Biofiltration Swale	4	MRN	2	10	101	N	25.61	25.62	38.163787	-122.575742	0.3	unknown	unknown	unknown
Biofiltration Swale	4	SON		10	116	W	42.00	42.00	38.236161	-122.522990	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	12	680	N	4.60	4.60	37.782800	-121.978100	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	12	680	N	4.80	4.80	37.785400	-121.979600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	12	680	N	4.90	4.90	37.786700	-121.980400	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	12	680	S	5.20	5.20	37.790800	-121.982400	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC	2	12	680	N	6.30	6.30	37.805300	-121.990300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC		12	680	S	20.90	20.90	37.990779	-122.067649	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC		12	680	N	20.98	20.98	37.991945	-122.068023	unknown	unknown	unknown	unknown
Biofiltration Swale	4	CC		12	680	N	21.47	21.47	37.997450	-122.073424	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	84	N	23.54	23.54	37.637146	-121.798542	0.86	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	84	N	23.59	23.59	37.637742	-121.797507	2.95	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	84	N	24.32	24.32	37.646953	-121.803611	2.53	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	84	N	24.38	24.38	37.647633	-121.804076	1.12	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	84	S	24.48	24.48	37.648759	-121.805016	3.1	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	84	N	24.50	24.50	37.649113	-121.804800	0.52	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	84	N	24.57	24.57	37.650183	-121.805185	0.61	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	5.89	5.85	37.719441	-121.659690	2.02	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	6.97	6.84	37.721105	-121.676520	1.65	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	8.48	8.51	37.717605	-121.704607	1.05	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	8.51	8.51	37.717488	-121.704711	0.52	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	8.58	8.57	37.716277	-121.705409	0.46	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	8.63	8.60	37.715971	-121.705941	0.57	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	9.17	9.23	37.712825	-121.715838	5.23	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	9.47	9.47	37.710700	-121.719900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	9.62	9.60	37.709044	-121.722117	0.25	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	9.66	9.64	37.708763	-121.722925	0.44	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	9.73	9.72	37.708397	-121.724229	0.13	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	9.92	9.90	37.707171	-121.727306	0.81	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	10.67	10.65	37.702139	-121.739697	0.35	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	11.02	11.01	37.702088	-121.746329	0.79	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	11.05	11.07	37.702965	-121.747738	1.31	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	11.51	11.51	37.702800	-121.755200	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	11.95	11.91	37.702228	-121.763219	0.1	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	12.52	12.50	37.700182	-121.773461	0.21	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	13.14	13.14	37.699700	-121.784600	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	13.15	13.16	37.700202	-121.783874	0.98	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	13.26	13.27	37.700066	-121.786065	0.61	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	13.49	13.50	37.700123	-121.789201	0.74	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	13.95	13.96	37.701140	-121.797792	0.61	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	14.21	14.21	37.700800	-121.804000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	14.27	14.27	37.700800	-121.805000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	14.31	14.31	37.700900	-121.805900	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	14.32	14.32	37.700900	-121.806000	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	15.10	15.09	37.700255	-121.818877	0.84	unknown	unknown	unknown
Biofiltration Swale	4	ALA		13	580	E	16.55	16.55	37.701221	-121.846652	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	16.76	16.74	37.700284	-121.849835	0.34	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	16.82	16.80	37.700996	-121.851009	0.63	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	16.84	16.83	37.700918	-121.851264	0.34	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	17.99	17.95	37.700645	-121.872570	0.45	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	18.02	18.02	37.700943	-121.873365	0.37	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	18.55	18.56	37.701938	-121.883847	0.29	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	18.67	18.60	37.701078	-121.885116	2.08	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	18.87	18.86	37.701019	-121.888788	0.71	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	18.87	18.86	37.701180	-121.887080	1.14	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	18.93	18.89	37.701201	-121.890014	0.7	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	E	19.10	19.11	37.701220	-121.893212	0.49	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	20.95	20.96	37.700852	-121.925378	1.77	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	21.36	21.36	37.699043	-121.933833	2.44	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	580	W	21.49	21.49	37.698300	-121.936300	unknown	unknown	unknown	unknown
Biofiltration Swale	4	ALA	2	13	680	N	16.96	16.96	37.659192	-121.903476	2.7	0.8	unknown	unknown
Biofiltration Swale	4	SCL	2	14	87	S	6.15	6.15	37.337400	-121.897800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	14	237	E	6.20	6.20	37.418100	-121.971800	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	14	237	E	7.50	7.50	37.419108	-121.948573	1.65	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	14	237	W	7.51	7.51	37.419580	-121.948589	2.47	unknown	unknown	unknown
Biofiltration Swale	4	SCL	2	14	880	E	2.75	2.75	37.349700	-121.917000	unknown	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	4	NAP	2	8	128	E	9.20	9.20	38.480653	-122.376707	0.01	unknown	unknown	unknown
Detention Basin	4	SCL		1	101	N	21.46	21.46	37.192456	-121.695728	unknown	unknown	unknown	unknown
Detention Basin	4	SCL		1	101		27.89	27.89	37.251147	-121.785596	unknown	unknown	unknown	unknown
Detention Basin	4	SCL		1	101	S	28.44	28.44	37.255648	-121.793898	unknown	unknown	unknown	unknown
Detention Basin	4	SCL		1	101	S	30.15	30.15	37.282489	-121.808797	unknown	unknown	unknown	unknown
Detention Basin	4	SCL		1	101	S	31.57	31.57	37.301747	-121.815386	unknown	unknown	unknown	unknown
Detention Basin	4	SCL		1	680	S	1.70	1.70	37.359089	-121.840741	unknown	unknown	unknown	unknown
Detention Basin	4	SCL		1	680	N	2.26	2.26	37.366551	-121.845204	unknown	unknown	unknown	unknown
Detention Basin	4	SCL		1	680	N	2.59	2.59	37.370377	-121.848548	unknown	unknown	unknown	unknown
Detention Basin	4	SCL		1	680	S	2.65	2.65	37.371102	-121.849279	unknown	unknown	unknown	unknown
Detention Basin	4	SCL		1	680	S	5.94	5.94	37.411161	-121.879416	unknown	unknown	unknown	unknown
Detention Basin	4	SCL		1	680	N	6.06	6.06	37.412871	-121.879932	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		1	880	S	3.09	3.09	37.490981	-121.946274	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		1	880	N	3.19	3.19	37.491983	-121.947582	unknown	unknown	unknown	unknown

Detention Basin	4	ALA		1	880	N	4.70	4.70	37.507198	-121.967247	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	880	N	6.60	6.70	37.400135	-121.908191	0.86	unknown	unknown	unknown
Detention Basin	4	SCL	2	1	880	S	6.80	6.90	37.402921	-121.910041	0.76	unknown	unknown	unknown
Detention Basin	4	SCL		1	880	S	6.92	6.92	37.404701	-121.909758	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		2	880	S	11.34	11.34	37.577607	-122.047900	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		2	880	S	12.87	12.87	37.596525	-122.059378	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		2	880	S	13.55	13.55	37.605196	-122.065526	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		2	880	S	13.72	13.72	37.607367	-122.067058	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		3	80	E	1.77	1.77	37.823600	-122.317702	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		3	80	E	1.77	1.77	37.823600	-122.317702	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		3	80	E	1.77	1.77	37.823600	-122.317702	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		3	80	W	3.24	3.24	37.829864	-122.293808	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		3	80	W	3.24	3.24	37.829864	-122.293808	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		3	80	W	3.24	3.24	37.829864	-122.293808	unknown	unknown	unknown	unknown
Detention Basin	4	SM		3	101	S	5.55	5.55	37.489797	-122.215403	unknown	unknown	unknown	unknown
Detention Basin	4	SM		3	101	S	6.67	6.67	37.496555	-122.233874	unknown	unknown	unknown	unknown
Detention Basin	4	SM		3	101	S	9.55	9.55	37.526310	-122.270131	unknown	unknown	unknown	unknown
Detention Basin	4	SM		3	101	S	19.40	19.40	37.616491	-122.398425	unknown	unknown	unknown	unknown
Detention Basin	4	SM		3	101	S	19.50	19.50	37.617971	-122.398931	unknown	unknown	unknown	unknown
Detention Basin	4	SM		3	101	S	19.60	19.60	37.619462	-122.399446	unknown	unknown	unknown	unknown
Detention Basin	4	SM		3	101	S	19.70	19.70	37.620947	-122.399944	unknown	unknown	unknown	unknown
Detention Basin	4	SM		3	101	S	19.80	19.80	37.622436	-122.400451	unknown	unknown	unknown	unknown
Detention Basin	4	SM		3	101	S	19.90	19.90	37.623925	-122.400957	unknown	unknown	unknown	unknown
Detention Basin	4	SM		3	101	S	20.00	20.00	37.625410	-122.401449	unknown	unknown	unknown	unknown
Detention Basin	4	SCL		3	101	S	42.72	42.72	37.385648	-121.976653	unknown	unknown	unknown	unknown
Detention Basin	4	SCL		3	101	S	43.88	43.88	37.391308	-121.996412	unknown	unknown	unknown	unknown
Detention Basin	4	SCL		3	101	N	45.64	45.64	37.398782	-122.027092	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		3	880	S	6.11	6.11	37.521502	-121.985690	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		3	880	N	6.20	6.20	37.522210	-121.987113	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		3	880	S	6.28	6.28	37.522784	-121.988258	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		3	880	N	7.15	7.15	37.529501	-122.001687	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		3	880	S	7.23	7.23	37.530130	-122.002828	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		3	880	S	24.73	24.73	37.731627	-122.188496	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		3	880	S	25.47	25.47	37.740340	-122.196124	unknown	unknown	unknown	unknown
Detention Basin	4	CC		4	24	W	2.13	2.13	37.876768	-122.185946	unknown	unknown	unknown	unknown
Detention Basin	4	CC		5	4	E	18.57	18.57	38.023652	-121.969416	unknown	unknown	unknown	unknown
Detention Basin	4	CC		5	4	W	18.57	18.57	38.023635	-121.969312	unknown	unknown	unknown	unknown
Detention Basin	4	CC	2	5	4	W	24.31	24.27	38.012629	-121.867547	12.35	unknown	unknown	unknown
Detention Basin	4	SOL		5	80	N	17.88	17.88	38.257892	-122.062803	unknown	unknown	unknown	unknown
Detention Basin	4	SOL		5	80	S	19.74	19.74	38.280164	-122.043950	unknown	unknown	unknown	unknown
Detention Basin	4	CC	2	5	680	N	24.60	24.60	38.027200	-122.112700	unknown	unknown	unknown	unknown
Detention Basin	4	SOL		6	80	S	3.42	3.42	38.108552	-122.229662	unknown	unknown	unknown	unknown
Detention Basin	4	SOL		6	80	N	5.65	5.65	38.139080	-122.220077	unknown	unknown	unknown	unknown
Detention Basin	4	MRN		10	101	N	18.85	18.85	38.077376	-122.543452	unknown	unknown	unknown	unknown
Detention Basin	4	MRN		10	101	S	19.14	19.14	38.080564	-122.546809	unknown	unknown	unknown	unknown
Detention Basin	4	MRN		10	101	S	20.42	20.42	38.095145	-122.561185	unknown	unknown	unknown	unknown
Detention Basin	4	MRN	2	10	101	S	25.58	25.58	38.162966	-122.575826	15.4	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	E	9.61	9.61	37.709300	-121.722100	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	W	9.80	9.70	37.709045	-121.725325	3.86	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	W	13.96	13.96	37.701600	-121.800300	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	W	13.96	13.96	37.701600	-121.800300	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	W	14.01	14.01	37.700100	-121.803800	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	W	14.01	14.01	37.700100	-121.803800	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	E	14.20	14.20	37.701200	-121.799200	unknown	unknown	unknown	unknown
Detention Basin	4	ALA	2	13	580	E	14.20	14.20	37.701200	-121.799200	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		13	580	W	19.62	19.62	37.701678	-121.902652	unknown	unknown	unknown	unknown
Detention Basin	4	ALA		13	580	E	19.74	19.74	37.701709	-121.904796	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	14	87	N	7.61	7.61	37.355800	-121.910900	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	14	87	N	7.98	7.98	37.360300	-121.915500	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	14	87	N	8.83	8.83	37.369400	-121.925100	unknown	unknown	unknown	unknown
Detention Basin	4	SCL	2	14	87	N	8.95	8.95	37.369700	-121.925500	unknown	unknown	unknown	unknown
Infiltration Basin	4	ALA	2	3	80	E	1.60	1.60	37.822100	-122.320200	unknown	unknown	unknown	unknown
Infiltration Basin	4	ALA	2	3	80	E	1.60	1.60	37.822200	-122.319900	unknown	unknown	unknown	unknown
Infiltration Basin	4	ALA	2	3	80	E	1.70	1.70	37.822200	-122.319400	unknown	unknown	unknown	unknown
Infiltration Basin	4	ALA	2	3	80	W	2.60	2.60	37.825300	-122.308200	unknown	unknown	unknown	unknown
Infiltration Basin	4	SCL	2	3	280	W	5.97	5.97	37.318100	-121.975200	unknown	unknown	unknown	unknown
Infiltration Basin	4	SCL	2	3	280	W	6.02	6.02	37.317900	-121.976100	unknown	unknown	unknown	unknown
Infiltration Basin	4	ALA	2	3	580	W	46.50	46.50	37.827800	-122.293600	unknown	unknown	unknown	unknown
Infiltration Basin	4	ALA	2	3	580	E	46.50	46.50	37.828300	-122.293100	unknown	unknown	unknown	unknown
Infiltration Basin	4	ALA	2	3	580	E	46.50	46.50	37.828500	-122.293300	unknown	unknown	unknown	unknown
Infiltration Basin	4	SCL	2	14	85	E	0.42	0.42	37.240500	-121.776500	unknown	unknown	unknown	unknown
Infiltration Trench	4	CC		5	4	E	20.27	20.27	38.018943	-121.939118	unknown	unknown	unknown	unknown
Infiltration Trench	4	CC	2	5	680	S	24.30	24.43	38.025133	-122.112344	unknown	unknown	unknown	unknown
Infiltration Trench	4	CC	2	5	680	S	24.76	24.76	38.028236	-122.116743	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	S	25.69	25.69	38.472444	-122.432786	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	S	25.69	25.69	38.472444	-122.432786	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	25.70	25.70	38.472563	-122.432869	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	25.82	25.82	38.474075	-122.433861	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	S	25.93	25.93	38.475435	-122.434801	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	S	25.93	25.93	38.475435	-122.434801	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	S	25.96	25.96	38.475800	-122.435063	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	S	25.96	25.96	38.475800	-122.435063	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	S	26.22	26.22	38.478752	-122.438023	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	S	26.29	26.29	38.479524	-122.438937	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	S	26.36	26.36	38.480295	-122.439848	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	26.41	26.41	38.480847	-122.440493	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	26.43	26.43	38.481067	-122.440752	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	26.43	26.43	38.481067	-122.440752	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	26.75	26.75	38.484383	-122.444694	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	26.76	26.76	38.484482	-122.444810	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	26.77	26.77	38.484581	-122.444927	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	26.86	26.86	38.485477	-122.446003	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	26.89	26.89	38.485796	-122.446380	unknown	unknown	unknown	unknown

Infiltration Trench	4	NAP		7	29	S	27.10	27.10	38.488056	-122.449036	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	27.17	27.17	38.488806	-122.449943	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	27.20	27.20	38.489134	-122.450325	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	27.22	27.22	38.489353	-122.450579	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	27.22	27.22	38.489353	-122.450579	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	27.51	27.51	38.492493	-122.454240	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	27.66	27.66	38.493981	-122.455975	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	27.70	27.70	38.494378	-122.456437	unknown	unknown	unknown	unknown
Infiltration Trench	4	NAP		7	29	N	27.74	27.74	38.494816	-122.456949	unknown	unknown	unknown	unknown
Infiltration Trench	4	ALA	2	13	580	E	6.92	6.92	37.721110	-121.676568	4.7	unknown	unknown	unknown
Other	4	SOL	2	6	37	W	9.05	9.05	38.132300	-122.262100	unknown	unknown	unknown	unknown
Other	4	NAP	2	7	29	S	29.93	29.93	38.516600	-122.486200	unknown	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	22.36	22.43	38.123094	-122.565941	0.45	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	22.43	22.52	38.124927	-122.566010	0.6	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	22.75	22.87	38.126719	-122.566175	0.76	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	22.87	22.99	38.131024	-122.564209	0.66	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	22.99	23.06	38.132117	-122.564058	0.41	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	23.06	23.15	38.133387	-122.564039	0.52	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	23.24	23.64	38.135935	-122.564182	0.8	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	23.25	23.19	38.134828	-122.564078	0.28	unknown	unknown	unknown
Other	4	MRN	2	10	101	S	23.64	23.79	38.138900	-122.564355	0.6	unknown	unknown	unknown
Wet Basin	4	ALA		1	880	S	4.74	4.74	37.507662	-121.967807	unknown	unknown	unknown	unknown
Wet Basin	4	CC		4	24	W	2.13	2.13	37.876734	-122.185971	unknown	unknown	unknown	unknown

Treatment BMP List - San Gabriel River Metals and Selenium TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	2	105		17.89	17.89	33.914158	-118.103730	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	2	605	S	7.58	7.58	33.910146	-118.103032	2.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	5	S	7.64	7.64	33.950935	-118.103607	2.25	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	5	N	8.26	8.26	33.957424	-118.110606	1.45	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	5	N	9.69	9.69	33.942338	-118.096648	3.25	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	10	E	34.45	34.45	34.072120	-117.943255	1.4	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	10	E	38.89	38.89	34.070599	-117.866128	3.73	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	10	W	39.05	39.05	34.070337	-117.863408	2.52	0.28	unknown	unknown
Austin Sand Filter	7	LA	4	3	10	E	39.52	39.52	34.067891	-117.855871	1.9	0.2	unknown	unknown
Austin Sand Filter	7	LA	4	3	60		11.98	11.98	34.032138	-118.023242	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	60		12.15	12.15	34.031415	-118.019978	1.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	210	E	38.60	38.60	34.128585	-117.921484	2.69	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	210	E	41.65	41.65	34.120597	-117.871921	2.22	1.02	unknown	unknown
Austin Sand Filter	7	LA	4	3	210	W	44.25	44.25	34.120961	-117.828339	1.12	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	210	E	44.47	44.47	34.120602	-117.824466	2.08	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	605	N	8.62	8.62	33.927874	-118.102674	2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	605	S	8.75	8.75	33.929749	-118.102948	1.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	605	S	11.54	11.54	33.966976	-118.083870	2.61	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	605	S	11.54	11.54	33.966949	-118.083457	2.61	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	605	S	14.26	14.26	34.002793	-118.065339	17.75	5.06	unknown	unknown
Austin Sand Filter	7	LA	4	3	605	N	14.26	14.26	34.002916	-118.065580	12.69	5.06	unknown	unknown
Austin Sand Filter	7	LA	4	3	605	N	19.32	19.32	34.053190	-118.004881	1.96	0.54	unknown	unknown
Austin Sand Filter	7	LA	4	4	210	E	36.09	36.09	34.135501	-117.963132	6.4	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	4	210	E	38.02	38.02	34.130482	-117.930999	0.86	0.36	unknown	unknown
Austin Sand Filter	7	LA	4	4	210	E	38.17	38.17	34.130808	-117.928445	2.31	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	60	W	24.52	24.52	34.011619	-117.823102	3.4	2.1	unknown	unknown
Austin Sand Filter	7	LA	4	6	5	S	1.15	1.15	33.883660	-118.028073	4.05	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	5	S	1.22	1.22	33.884203	-118.029101	2.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	5	N	1.34	1.34	33.885217	-118.031008	3.18	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	5	N	1.81	1.81	33.888971	-118.037782	15.916	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	5	N	1.81	1.81	33.888971	-118.037782	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	5	S	3.42	3.42	33.902104	-118.061281	3.7	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	5	N	3.48	3.48	33.902695	-118.062087	4.1	unknown	unknown	unknown
Biofiltration Strip	12	ORA	4	1	405	N	21.28	21.28	33.774614	-118.051333	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	4	1	405	N	21.28	21.28	33.773991	-118.051592	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	4	1	405	S	22.46	22.46	33.774364	-118.071896	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	4	1	405	N	22.46	22.46	33.774364	-118.071896	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	4	1	405	N	22.63	22.63	33.773568	-118.074853	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	4	1	405	N	22.81	22.81	33.774752	-118.077539	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	4	1	605	N	0.42	0.42	33.790016	-118.089224	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	605	S	0.50	0.50	33.813496	-118.081448	2.49	1.2	unknown	unknown
Biofiltration Strip	7	LA	4	2	605	N	1.30	1.30	33.825135	-118.081864	5.1	1.68	unknown	unknown
Biofiltration Strip	7	LA	4	2	605	N	2.11	2.11	33.836039	-118.086706	0.9	0.28	unknown	unknown
Biofiltration Strip	7	LA	4	3	5	S	6.49	6.49	33.936672	-118.093581	0.68	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	W	31.30	31.30	34.065384	-117.997575	1.8	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	E	32.40	32.40	34.067938	-117.978646	2.07	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	E	34.04	34.04	34.071391	-117.950353	3.79	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	10	E	38.43	38.43	34.071555	-117.873864	0.73	0.19	unknown	unknown
Biofiltration Strip	7	LA	4	3	210	E	39.58	39.58	34.119656	-117.908039	1.17	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	210	W	42.48	42.48	34.117193	-117.858366	1.44	1.61	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	S	11.50	11.50	33.966396	-118.084126	0.7	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	N	11.68	11.68	33.968785	-118.082514	1.97	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	S	13.73	13.73	33.995732	-118.068674	0.76	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	S	13.73	13.73	33.995798	-118.069190	0.76	0.44	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	S	13.73	13.73	33.995731	-118.068673	0.32	0.44	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	S	15.47	15.47	34.017377	-118.053547	0.16	0.34	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	S	15.61	15.61	34.018337	-118.052147	0.13	0.32	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	S	16.65	16.65	34.027290	-118.037580	0.35	0.4	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	N	16.71	16.71	34.027760	-118.036717	0.31	0.23	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	N	19.34	19.34	34.053457	-118.004735	0.27	0.21	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	N	19.34	19.34	34.053295	-118.004451	0.27	0.21	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	N	20.70	20.70	34.072393	-117.999576	2.02	0.6	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	S	20.89	20.89	34.075033	-117.998668	3.51	2.59	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	N	21.52	21.52	34.084081	-117.996971	4.16	1.3	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	S	22.53	22.53	34.097375	-117.985811	1.21	0.52	unknown	unknown
Biofiltration Strip	7	LA	4	3	605	S	23.74	23.74	34.112158	-117.979461	1.39	0.28	unknown	unknown
Biofiltration Strip	7	LA	4	4	210	E	36.50	36.50	34.133486	-117.955331	0.36	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	60		15.99	15.99	34.006676	-117.963648	0.74	0.57	unknown	unknown
Biofiltration Strip	7	LA	4	5	60		17.25	17.25	34.000347	-117.943031	7.42	2.18	unknown	unknown
Biofiltration Strip	7	LA	4	5	60		18.24	18.24	33.996373	-117.926524	2.85	0.72	unknown	unknown
Biofiltration Strip	7	LA	4	5	60		18.79	18.79	33.995157	-117.917075	2.28	0.72	unknown	unknown
Biofiltration Strip	7	LA	4	5	60		19.79	19.79	33.994169	-117.899748	1.04	0.32	unknown	unknown
Biofiltration Strip	7	LA	4	5	60		20.85	20.85	33.994607	-117.881344	0.45	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	60		21.22	21.22	33.995591	-117.874999	0.37	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	60		22.99	22.99	34.000638	-117.844769	0.1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	71	N	1.20	1.20	34.058323	-117.785772	1.41	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	71	S	1.95	1.95	34.049885	-117.777472	0.96	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	71		1.98	1.98	34.049564	-117.777129	0.95	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	71		2.07	2.07	34.048607	-117.776100	1.23	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	71		2.07	2.07	34.048607	-117.776100	1.23	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	71		2.16	2.16	34.047649	-117.775076	1.62	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	71		2.19	2.19	34.047335	-117.774728	1.07	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	71		2.32	2.32	34.045972	-117.773227	1.07	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	6	5	S	0.22	0.22	33.876425	-118.014659	2.26	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	6	5	N	0.83	0.83	33.881175	-118.023473	3.6	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	6	5	N	5.25	5.25	33.921491	-118.082901	1.85	unknown	unknown	unknown
Biofiltration Strip	12	ORA	4	6	57	N	17.94	17.94	33.883144	-117.880113	unknown	unknown	unknown	unknown

Biofiltration Strip	12	ORA	4	6	57	N	18.20	18.20	33.887019	-117.880269	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	4	6	57	N	18.22	18.22	33.887222	-117.880217	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	4	6	57	N	18.24	18.24	33.887558	-117.879364	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	4	6	57	N	18.27	18.27	33.888022	-117.879982	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	4	6	57	N	18.28	18.28	33.888407	-117.880162	unknown	unknown	unknown	unknown
Biofiltration Strip	12	ORA	4	6	57	N	20.84	20.84	33.924665	-117.879723	1.04	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	6	91	E	19.51	19.51	33.872312	-118.059353	1.5	0.44	unknown	unknown
Biofiltration Strip	7	LA	4	6	91	W	19.56	19.56	33.872566	-118.058628	1.27	0.37	unknown	unknown
Biofiltration Strip	7	LA	4	6	91	W	19.64	19.64	33.871586	-118.057159	1.76	0.57	unknown	unknown
Biofiltration Strip	7	LA	4	6	605	N	0.25	0.25	33.809862	-118.081456	2.54	0.7	unknown	unknown
Biofiltration Strip	7	LA	4	6	605	S	0.35	0.35	33.811317	-118.081459	1.16	0.39	unknown	unknown
Biofiltration Swale	12	ORA	4	1	22	W	22.80	22.80	33.774899	-118.089685	0.44	0.92	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	N	3.26	3.26	33.780214	-118.089699	0.29	0.02	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	N	22.30	22.30	33.775173	-118.073436	1.49	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	S	22.53	22.52	33.774408	-118.086081	1.05	0.29	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	N	22.54	22.54	33.775703	-118.087036	1.29	0.22	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	N	22.55	22.55	33.776073	-118.087282	2.21	0.95	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	N	23.32	23.32	33.774337	-118.086190	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	N	23.40	23.40	33.774979	-118.088041	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	N	23.41	23.41	33.775848	-118.087021	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	N	23.42	23.42	33.775982	-118.087215	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	N	23.58	23.58	33.777481	-118.090427	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	N	23.73	23.73	33.780228	-118.089667	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	N	23.84	23.84	33.781860	-118.089890	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	N	23.84	23.84	33.781864	-118.090039	2.31	0.32	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	N	23.89	23.89	33.782597	-118.090065	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	N	23.90	23.90	33.782725	-118.090387	0.28	3.23	unknown	unknown
Biofiltration Swale	12	ORA	4	1	405	N	23.91	23.91	33.782768	-118.090445	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	1	605	N	0.10	0.10	33.785753	-118.091320	0.46	0.37	unknown	unknown
Biofiltration Swale	12	ORA	4	1	605	N	0.10	0.10	33.785892	-118.091420	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	1	605	N	0.14	0.14	33.785444	-118.089803	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	1	605	S	0.20	0.20	33.787120	-118.090700	1.04	0.37	unknown	unknown
Biofiltration Swale	12	ORA	4	1	605	N	0.22	0.22	33.787380	-118.090617	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	1	605	N	0.27	0.27	33.787601	-118.089478	0.45	1.21	unknown	unknown
Biofiltration Swale	12	ORA	4	1	605	N	0.28	0.28	33.787798	-118.089429	0.29	0.69	unknown	unknown
Biofiltration Swale	12	ORA	4	1	605	N	0.34	0.34	33.788446	-118.088988	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	1	605	N	0.36	0.36	33.788778	-118.088869	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	1	605	N	0.47	0.47	33.784796	-118.089786	0.56	1.87	unknown	unknown
Biofiltration Swale	12	ORA	4	1	605	N	0.57	0.57	33.792153	-118.088444	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	605	N	0.82	0.82	33.795547	-118.087239	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	605	S	0.85	0.85	33.795477	-118.087368	2.95	0.7	unknown	unknown
Biofiltration Swale	12	ORA	4	1	605	S	22.61	22.61	33.790252	-118.089155	2.66	0.88	unknown	unknown
Biofiltration Swale	12	ORA	4	1	605	N	22.63	22.63	33.777499	-118.090425	4.5	4.76	unknown	unknown
Biofiltration Swale	12	ORA	4	1	605	N	23.89	23.89	33.782555	-118.090164	0.7	1.56	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	E	16.87	16.87	33.875977	-118.104519	0.32	0.05	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	E	16.94	16.94	33.875771	-118.103301	4.34	2.5	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	17.06	17.06	33.875931	-118.101054	2.05	1.46	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	17.07	17.07	33.876718	-118.100365	0.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	E	17.18	17.18	33.875923	-118.098363	2.3	0.62	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	E	17.18	17.18	33.876110	-118.098363	4.8	1.43	unknown	unknown
Biofiltration Swale	7	LA	4	2	91	W	17.18	17.18	33.876911	-118.098422	2.25	1.7	unknown	unknown
Biofiltration Swale	7	LA	4	2	105	W	17.60	17.60	33.914094	-118.108737	0.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	S	1.78	1.78	33.831720	-118.084221	0.53	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	S	1.84	1.84	33.832505	-118.084673	0.66	0.12	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	N	2.10	2.10	33.835908	-118.086631	3.11	0.57	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	S	2.10	2.10	33.835908	-118.086631	2.48	0.29	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	S	3.83	3.83	33.859450	-118.096903	2.65	1.2	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	S	3.83	3.83	33.859508	-118.096453	1.45	1.2	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	N	5.02	5.02	33.878089	-118.102340	0.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	S	5.90	5.90	33.888608	-118.104450	0.78	1.28	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	S	5.90	5.90	33.888460	-118.104833	2.06	1.28	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	S	6.70	6.70	33.900177	-118.105596	2.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	S	6.71	6.71	33.900346	-118.105099	5.4	1.02	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	N	6.77	6.77	33.901484	-118.104366	1.46	0.88	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	N	6.77	6.77	33.901216	-118.105156	0.58	0.88	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	S	6.84	6.84	33.902577	-118.106437	0.23	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	S	6.84	6.84	33.902234	-118.105224	0.23	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	S	6.90	6.90	33.903013	-118.105851	1.35	0.78	unknown	unknown
Biofiltration Swale	7	LA	4	2	605	S	6.90	6.90	33.903099	-118.105244	0.57	0.78	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	6.04	6.04	33.931069	-118.089689	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	6.47	6.47	33.936423	-118.093411	1.17	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	6.69	6.69	33.939125	-118.095255	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	6.79	6.79	33.942620	-118.098053	0.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	6.82	6.82	33.940915	-118.096153	0.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	7.37	7.37	33.947984	-118.100867	1.32	0.16	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	8.30	8.30	33.957983	-118.111131	0.99	0.43	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	S	8.32	8.32	33.957675	-118.112420	0.64	0.25	unknown	unknown
Biofiltration Swale	7	LA	4	3	5	N	8.34	8.34	33.958423	-118.111990	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10		31.30	31.30	34.065384	-117.997575	0.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10		31.30	31.30	34.065384	-117.997575	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	31.30	31.30	34.065384	-117.997575	1.07	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	33.38	33.38	34.070166	-117.961777	1.25	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	33.46	33.46	34.070341	-117.960390	1.76	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	34.39	34.39	34.072008	-117.944293	2.01	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	34.88	34.88	34.072408	-117.935790	1.08	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	35.35	35.35	34.072315	-117.927605	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	35.41	35.41	34.072301	-117.926561	0.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	35.42	35.42	34.072299	-117.926386	0.29	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	36.45	36.45	34.072144	-117.908432	0.81	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	36.49	36.49	34.072135	-117.907734	0.27	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	36.50	36.50	34.072133	-117.907562	0.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	36.52	36.52	34.072130	-117.907217	1.95	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	37.47	37.47	34.072257	-117.890663	0.6	0.05	unknown	unknown

Biofiltration Swale	7	LA	4	3	10	W	37.52	37.52	34.072406	-117.889774	0.63	0.38	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	37.54	37.54	34.071405	-117.889415	0.36	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	37.55	37.55	34.072200	-117.889295	0.42	0.38	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	37.55	37.55	34.071721	-117.889200	0.81	0.48	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	38.04	38.04	34.071463	-117.880739	0.18	0.25	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	E	38.06	38.06	34.071648	-117.880448	0.39	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	3	10	W	38.44	38.44	34.072094	-117.873783	2.24	0.26	unknown	unknown
Biofiltration Swale	7	LA	4	3	57	N	10.68	10.68	34.106040	-117.820985	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	57	S	10.87	10.87	34.108900	-117.823099	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	60	W	11.06	11.06	34.037607	-118.037670	1.95	1.37	unknown	unknown
Biofiltration Swale	7	LA	4	3	60	E	11.52	11.52	34.034926	-118.030427	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	60	E	11.52	11.52	34.035009	-118.030528	0.31	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	3	60		11.89	11.89	34.032806	-118.024660	1.03	0.16	unknown	unknown
Biofiltration Swale	7	LA	4	3	66	E	1.23	1.23	34.114816	-117.769918	0.72	0.01	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	W	0.19	0.19	34.120083	-117.787005	0.68	0.85	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	E	39.51	39.51	34.120846	-117.909183	0.48	0.19	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	W	39.58	39.58	34.121168	-117.908148	1.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	E	39.58	39.58	34.120626	-117.907981	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	W	39.67	39.67	34.120990	-117.907172	0.97	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	W	39.70	39.70	34.121271	-117.905964	0.69	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	E	40.50	40.50	34.120397	-117.891101	0.36	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	W	41.37	41.37	34.120859	-117.876808	1.33	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	E	41.69	41.69	34.120540	-117.871019	0.25	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	W	41.80	41.80	34.120171	-117.869174	0.41	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	E	41.95	41.95	34.119315	-117.866992	2.05	0.48	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	W	42.00	42.00	34.119544	-117.866414	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	E	42.69	42.69	34.117618	-117.854759	4.8	9.39	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	E	43.16	43.16	34.117599	-117.846551	0.54	0.05	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	W	43.16	43.16	34.117599	-117.846551	0.33	1.49	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	W	43.19	43.19	34.117596	-117.846037	1.7	2.04	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	E	43.19	43.19	34.117596	-117.846037	1.21	1.3	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	W	44.10	44.10	34.121773	-117.831093	0.8	1.46	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	E	45.38	45.38	34.119791	-117.808740	0.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	E	45.46	45.46	34.119799	-117.807343	0.78	0.35	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	W	45.50	45.50	34.119802	-117.806644	0.31	0.42	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	E	45.50	45.50	34.119802	-117.806644	1.84	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	E	46.70	46.70	34.120105	-117.785932	0.61	0.87	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	W	46.75	46.75	34.120096	-117.785040	0.05	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	E	46.85	46.85	34.120026	-117.783246	1.26	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	E	49.00	49.00	34.120320	-117.749786	4.27	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	210	E	49.03	49.03	34.120562	-117.745533	2.56	0.96	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	8.30	8.30	33.923381	-118.104303	0.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	8.42	8.42	33.925529	-118.104763	3.8	0.58	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	8.42	8.42	33.925109	-118.104008	3.22	0.58	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	9.31	9.31	33.937689	-118.099284	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	9.67	9.67	33.941967	-118.096199	0.86	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	9.76	9.76	33.943340	-118.096054	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	10.24	10.24	33.949220	-118.091575	0.68	0.37	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	10.24	10.24	33.949432	-118.092099	0.31	0.62	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	10.30	10.30	33.950270	-118.091609	0.1	0.97	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	10.30	10.30	33.950270	-118.091609	0.56	0.15	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	10.30	10.30	33.950086	-118.091300	0.71	0.05	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	10.34	10.34	33.950599	-118.090975	0.55	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	10.37	10.37	33.951215	-118.091509	0.85	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	11.68	11.68	33.968809	-118.082501	1.31	0.66	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	11.68	11.68	33.968632	-118.082040	2.36	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	11.96	11.96	33.971916	-118.080265	1.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	11.98	11.98	33.972279	-118.081204	2.75	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	12.11	12.11	33.974594	-118.079812	0.28	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	12.11	12.11	33.974608	-118.079807	0.56	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	12.11	12.11	33.974893	-118.080724	0.78	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	12.22	12.22	33.976329	-118.079748	2.9	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	12.23	12.23	33.976309	-118.079247	0.25	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	12.23	12.23	33.976225	-118.078487	0.28	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	12.47	12.47	33.979778	-118.078185	1.65	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	12.71	12.71	33.981732	-118.074404	1.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	13.51	13.51	33.992591	-118.069434	0.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	13.51	13.51	33.992591	-118.069434	0.48	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	13.51	13.51	33.992603	-118.069431	0.23	0.35	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	13.51	13.51	33.992603	-118.069431	0.32	0.16	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	13.52	13.52	33.992509	-118.068908	0.58	0.35	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	13.60	13.60	33.993881	-118.069122	2.51	0.98	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	13.60	13.60	33.994448	-118.069872	0.78	0.49	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	13.64	13.64	33.993576	-118.068640	3.49	0.98	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	13.64	13.64	33.994449	-118.068984	0.78	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	13.64	13.64	33.994449	-118.068983	0.29	0.49	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	14.37	14.37	34.004023	-118.064241	0.25	0.22	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	14.37	14.37	34.004392	-118.064965	1.01	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	14.51	14.51	34.005813	-118.062038	1.73	3.01	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	14.51	14.51	34.005813	-118.062038	1.58	1.23	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	14.51	14.51	34.005813	-118.062038	2	0.86	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	14.51	14.51	34.006058	-118.062957	9.96	3.97	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	15.58	15.58	34.018077	-118.052565	0.19	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	15.58	15.58	34.018077	-118.052565	0.16	0.05	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	15.63	15.63	34.018505	-118.051863	0.21	0.07	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	16.72	16.72	34.027838	-118.036573	8.38	3.9	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	16.83	16.83	34.028700	-118.034992	0.36	0.16	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	17.02	17.02	34.030193	-118.032274	0.93	0.77	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	17.07	17.07	34.030623	-118.031579	3.14	0.61	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	17.27	17.27	34.032609	-118.028982	1.09	1.24	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	17.31	17.31	34.033013	-118.028468	0.89	0.94	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	17.34	17.34	34.033321	-118.028067	1.72	1.75	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	17.37	17.37	34.033623	-118.027661	0.62	0.23	unknown	unknown

Biofiltration Swale	7	LA	4	3	605	N	17.37	17.37	34.033623	-118.027661	0.63	0.78	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	17.38	17.38	34.033486	-118.027376	0.62	0.23	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	17.45	17.45	34.034416	-118.026583	0.3	0.61	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	17.54	17.54	34.035373	-118.025351	0.54	0.31	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	17.57	17.57	34.035706	-118.024923	0.23	0.07	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	17.57	17.57	34.035706	-118.024923	1.72	0.64	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	18.32	18.32	34.041316	-118.014028	2.6	0.61	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	18.90	18.90	34.047348	-118.008363	1.46	unknown	0.3	unknown
Biofiltration Swale	7	LA	4	3	605	S	18.90	18.90	34.047350	-118.008365	0.99	unknown	unknown	0.3
Biofiltration Swale	7	LA	4	3	605	S	18.90	18.90	34.047351	-118.008367	1.27	unknown	0.3	unknown
Biofiltration Swale	7	LA	4	3	605	S	18.90	18.90	34.047593	-118.008024	1.14	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	18.90	18.90	34.047593	-118.008024	2.33	1.88	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	19.34	19.34	34.053350	-118.004644	1.08	0.14	unknown	0.3
Biofiltration Swale	7	LA	4	3	605	S	19.34	19.34	34.053457	-118.004735	0.59	0.54	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	19.36	19.36	34.053725	-118.004589	0.21	0.42	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	19.36	19.36	34.053725	-118.004589	1.11	0.27	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	19.39	19.39	34.054124	-118.004365	0.37	0.24	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	19.39	19.39	34.054124	-118.004365	0.45	0.91	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	19.39	19.39	34.054124	-118.004365	0.05	0.21	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	19.39	19.39	34.054054	-118.004264	1.45	unknown	unknown	0.3
Biofiltration Swale	7	LA	4	3	605	N	19.40	19.40	34.054172	-118.004195	0.81	unknown	unknown	0.3
Biofiltration Swale	7	LA	4	3	605		20.30	20.30	34.066731	-118.000433	2.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605		20.30	20.30	34.066731	-118.000433	0.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	21.11	21.11	34.078199	-117.998012	0.32	0.11	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	22.02	22.02	34.090433	-117.993060	0.36	0.97	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	S	22.23	22.23	34.092865	-117.990402	0.43	0.29	unknown	unknown
Biofiltration Swale	7	LA	4	3	605		23.55	23.55	34.109591	-117.980779	1.38	1.03	unknown	unknown
Biofiltration Swale	7	LA	4	3	605		23.59	23.59	34.110131	-117.980505	0.95	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	23.59	23.59	34.110134	-117.980504	0.89	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	23.98	23.98	34.114857	-117.977854	0.3	0.77	unknown	unknown
Biofiltration Swale	7	LA	4	3	605	N	24.01	24.01	34.115270	-117.977500	1.66	0.36	unknown	unknown
Biofiltration Swale	7	LA	4	4	2	S	45.19	45.19	34.278818	-118.005080	0.25	0.19	unknown	unknown
Biofiltration Swale	7	LA	4	4	2	S	76.10	76.10	34.375956	-117.736871	0.09	0.19	unknown	unknown
Biofiltration Swale	7	LA	4	4	2	N	76.67	76.67	34.379150	-117.729311	0.22	0.21	unknown	unknown
Biofiltration Swale	7	LA	4	4	210	E	36.30	36.30	34.133757	-117.958845	0.36	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	210	W	36.50	36.50	34.133955	-117.956112	0.19	0.62	unknown	unknown
Biofiltration Swale	7	LA	4	4	210	E	36.52	36.52	34.133870	-117.955777	0.64	0.27	unknown	unknown
Biofiltration Swale	7	LA	4	4	210	W	36.57	36.57	34.133670	-117.954983	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	210	E	36.91	36.91	34.131977	-117.949424	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	210	W	37.04	37.04	34.131175	-117.947270	4.97	0.99	unknown	unknown
Biofiltration Swale	7	LA	4	4	210	E	37.05	37.05	34.131115	-117.947109	2.4	0.58	unknown	unknown
Biofiltration Swale	7	LA	4	4	210	W	37.18	37.18	34.130351	-117.945011	2.4	0.58	unknown	unknown
Biofiltration Swale	7	LA	4	4	210	W	37.60	37.60	34.128839	-117.938035	13.61	6.87	unknown	unknown
Biofiltration Swale	7	LA	4	4	210	W	37.90	37.90	34.129969	-117.933002	0.85	0.37	unknown	unknown
Biofiltration Swale	7	LA	4	4	210	W	37.98	37.98	34.130288	-117.931751	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	210	W	38.27	38.27	34.130601	-117.926908	3.25	1.38	unknown	unknown
Biofiltration Swale	7	LA	4	4	605	N	25.66	25.66	34.131384	-117.959541	0.87	0.36	unknown	unknown
Biofiltration Swale	7	LA	4	4	605	N	25.72	25.72	34.133013	-117.958211	0.4	0.56	unknown	unknown
Biofiltration Swale	7	LA	4	5	10	E	41.58	41.58	34.063579	-117.821262	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	10	E	41.63	41.63	34.063539	-117.820410	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	10	E	41.69	41.69	34.063524	-117.819359	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	10	W	41.78	41.78	34.063810	-117.817798	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	10	W	42.14	42.14	34.064252	-117.811604	1.73	0.11	unknown	unknown
Biofiltration Swale	7	LA	4	5	10	W	42.20	42.20	34.065841	-117.807844	4.9	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	10	W	42.30	42.30	34.064847	-117.809096	1.54	0.94	unknown	unknown
Biofiltration Swale	7	LA	4	5	10	E	42.40	42.40	34.063669	-117.807447	1.62	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	57		5.13	5.13	34.030708	-117.810348	0.85	0.05	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		12.89	12.89	34.029115	-118.008140	1.24	0.84	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		12.90	12.90	34.029113	-118.008307	4.6	2.12	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		12.90	12.90	34.029113	-118.008307	1.55	0.82	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	E	14.00	14.00	34.019745	-117.989117	0.042	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		15.03	15.03	34.011536	-117.979145	2.94	0.8	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		15.30	15.30	34.010119	-117.974869	2.94	0.8	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	E	15.60	15.60	34.007746	-117.968220	0.14	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	W	15.60	15.60	34.008445	-117.968304	0.03	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	W	15.70	15.70	34.008369	-117.968034	0.03	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		16.16	16.16	34.005815	-117.960875	3.11	1.52	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	E	16.40	16.40	34.004379	-117.957430	0.15	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	W	16.50	16.50	34.004974	-117.956908	0.18	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		17.32	17.32	33.999996	-117.941884	5.84	0.8	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		17.60	17.60	33.998589	-117.937291	1.61	0.21	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		18.05	18.05	33.996773	-117.929797	1.72	0.64	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		18.26	18.26	33.996328	-117.926181	2.05	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		18.99	18.99	33.994706	-117.913645	1.6	0.27	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	E	19.50	19.50	33.993903	-117.900636	0.067	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		19.52	19.52	33.994176	-117.904441	0.95	0.11	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	W	19.53	19.53	33.994608	-117.903819	0.04	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	W	19.55	19.55	33.994605	-117.903635	0.04	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		19.59	19.59	33.994180	-117.903221	0.87	0.27	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	E	19.70	19.70	33.993902	-117.900307	0.09	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		19.88	19.88	33.994166	-117.898182	0.46	0.15	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		19.96	19.96	33.994164	-117.896789	1.77	0.46	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		20.03	20.03	33.994166	-117.895570	0.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		20.06	20.06	33.994167	-117.895048	1.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	W	20.20	20.20	33.994498	-117.891036	0.045	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	E	20.29	20.29	33.993681	-117.890758	0.064	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	E	20.30	20.30	33.993594	-117.890524	0.04	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	W	20.30	20.30	33.994501	-117.890639	0.03	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		20.38	20.38	33.994159	-117.889482	0.91	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		20.40	20.40	33.994157	-117.889135	0.66	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	W	20.50	20.50	33.994141	-117.887405	0.85	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		20.76	20.76	33.994376	-117.882899	1.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		20.85	20.85	33.994607	-117.881344	0.45	unknown	unknown	unknown

Biofiltration Swale	7	LA	4	5	60	E	21.30	21.30	33.995446	-117.873957	0.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		21.30	21.30	33.995801	-117.873618	2.12	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	E	21.45	21.45	33.995623	-117.870615	0.11	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		21.48	21.48	33.996256	-117.870523	2.09	0.91	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		21.53	21.53	33.996389	-117.869667	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		21.85	21.85	33.997284	-117.864203	5.11	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		21.89	21.89	33.994708	-117.880660	5.11	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	W	22.10	22.10	33.997977	-117.859938	4.95	0.67	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	E	22.60	22.60	33.999349	-117.851390	0.9	0.16	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	E	22.70	22.70	33.999628	-117.849681	1.36	0.05	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	E	22.80	22.80	33.999927	-117.847975	1.3	0.26	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		23.63	23.63	34.002210	-117.833740	1.09	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	W	24.23	24.23	34.007576	-117.825967	3.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	W	24.58	24.58	34.011706	-117.822066	1.8	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	60	W	24.61	24.61	34.012295	-117.821981	0.7	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		25.19	25.19	34.018859	-117.815902	1.97	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	60		25.95	25.95	34.025634	-117.805847	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	71	S	0.70	0.70	34.066214	-117.801903	0.47	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	71	N	0.70	0.70	34.066455	-117.801732	0.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	71	S	0.75	0.75	34.065902	-117.801118	0.43	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	71	S	0.85	0.85	34.065416	-117.799475	0.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	71	S	1.31	1.31	34.057225	-117.784866	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	71	S	1.35	1.35	34.056641	-117.784422	1.18	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	71	N	1.51	1.51	34.054840	-117.782413	0.26	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	71	N	1.55	1.55	34.054311	-117.781946	0.41	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	71	N	1.61	1.61	34.053596	-117.781391	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	71	S	1.62	1.62	34.053482	-117.781281	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	71	N	1.63	1.63	34.053366	-117.781171	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	71	S	1.65	1.65	34.053111	-117.781076	0.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	71	N	1.70	1.70	34.052654	-117.780232	1.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	71	S	1.75	1.75	34.052056	-117.779887	0.71	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	71	N	1.91	1.91	34.050349	-117.777924	0.4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	S	1.75	1.75	33.888485	-118.036923	1.7253	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	S	2.36	2.36	33.893284	-118.045788	1.48	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	S	2.46	2.46	33.894140	-118.047420	1.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	N	2.51	2.51	33.894515	-118.048152	1.7	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	5	N	42.89	42.89	33.862328	-117.990214	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	5	N	44.17	44.17	33.872709	-118.007974	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	5	N	44.21	44.21	33.873180	-118.008319	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	5	N	44.31	44.31	33.873220	-118.010864	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	5	N	44.34	44.34	33.873842	-118.011037	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	57		1.09	1.09	33.959161	-117.858148	0.31	0.09	unknown	unknown
Biofiltration Swale	7	LA	4	6	57		1.92	1.92	33.967676	-117.849501	0.38	0.07	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	16.47	16.47	33.862324	-117.876944	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	16.49	16.49	33.862580	-117.877000	2.5	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	16.69	16.69	33.865390	-117.878000	1.02	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	16.69	16.69	33.865393	-117.878008	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	16.80	16.80	33.866940	-117.878472	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	16.81	16.81	33.867020	-117.878500	1.53	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	16.87	16.87	33.867887	-117.878716	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	16.88	16.88	33.868080	-117.878800	2.82	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	18.27	18.27	33.888524	-117.880234	1.45	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	18.27	18.27	33.888047	-117.879949	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	18.30	18.30	33.888230	-117.880039	1.56	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	18.38	18.38	33.889630	-117.880198	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	18.43	18.43	33.890340	-117.880300	0.48	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	19.72	19.72	33.908907	-117.882626	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	19.77	19.77	33.909480	-117.882900	2.13	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	19.80	19.80	33.909941	-117.882426	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	57	N	20.83	20.83	33.924330	-117.879800	1.65	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	90	N	5.52	5.52	33.910213	-117.883137	1.51	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	N	1.07	1.07	33.853861	-117.962193	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	W	1.22	1.24	33.854314	-117.959665	0.84	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	W	1.27	1.29	33.854310	-117.958853	2.12	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	N	1.41	1.41	33.853971	-117.956408	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	N	2.06	2.06	33.854126	-117.944889	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	W	2.13	2.23	33.854391	-117.943528	0.6	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	W	2.27	2.29	33.854375	-117.941287	0.42	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	N	2.39	2.39	33.854154	-117.939222	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	W	3.85	3.95	33.854091	-117.913369	1.62	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	W	3.85	3.85	33.854152	-117.913916	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	N	4.14	4.14	33.853819	-117.908844	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	W	4.25	4.26	33.854187	-117.907258	0.84	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	W	4.30	4.33	33.854228	-117.906300	0.57	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	N	4.42	4.42	33.853853	-117.904073	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	N	5.09	5.09	33.854172	-117.892501	unknown	unknown	unknown	unknown
Biofiltration Swale	12	ORA	4	6	91	W	5.23	5.25	33.854545	-117.889846	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	91	E	18.00	18.00	33.876169	-118.084136	0.65	0.06	unknown	unknown
Biofiltration Swale	7	LA	4	6	91	E	18.11	18.11	33.875925	-118.082942	2.27	1.53	unknown	unknown
Biofiltration Swale	7	LA	4	6	91	E	18.20	18.20	33.876207	-118.080648	0.48	0.16	unknown	unknown
Biofiltration Swale	7	LA	4	6	91	W	18.73	18.73	33.876947	-118.072095	4.85	3.09	unknown	unknown
Biofiltration Swale	7	LA	4	6	91	E	19.19	19.19	33.875024	-118.064295	2.06	1.06	unknown	unknown
Biofiltration Swale	7	LA	4	6	91	W	19.19	19.19	33.875603	-118.063684	1	unknown	unknown	unknown
Biofiltration Swale	12	LA	4	6	91	W	20.39	20.39	33.864493	-118.047216	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	605	N	0.06	0.06	33.806971	-118.081436	0.71	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	6	605	N	0.11	0.11	33.807691	-118.081442	0.63	0.07	unknown	unknown
Biofiltration Swale	7	LA	4	6	605	N	0.20	0.20	33.809132	-118.081450	0.61	0.69	unknown	unknown
Biofiltration Swale	7	LA	4	6	605	S	0.21	0.21	33.809277	-118.081451	2.04	0.65	unknown	unknown
Biofiltration Swale	7	LA	4	6	605	S	2.42	2.42	33.839965	-118.088965	2.79	1.23	unknown	unknown
Biofiltration Swale	7	LA	4	6	605	N	2.89	2.89	33.839382	-118.088287	0.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	605	S	2.93	2.93	33.846397	-118.093517	9.76	3.98	unknown	unknown
Biofiltration Swale	7	LA	4	6	605	S	2.94	2.94	33.846762	-118.092863	3.97	3.1	unknown	unknown
Biofiltration Swale	7	LA	4	6	605	S	2.94	2.94	33.846762	-118.092863	1.81	0.88	unknown	unknown

Biofiltration Swale	7	LA	4	6	605	N	3.66	3.66	33.857151	-118.095399	2.28	1.26	unknown	unknown
Biofiltration Swale	7	LA	4	6	605	N	3.66	3.66	33.857051	-118.095868	0.63	0.45	unknown	unknown
Biofiltration Swale	7	LA	4	6	605	N	3.66	3.66	33.857051	-118.095868	0.39	0.81	unknown	unknown
Biofiltration Swale	7	LA	4	6	605	N	3.70	3.70	33.857815	-118.095287	2.16	1.39	unknown	unknown
Biofiltration Swale	7	LA	4	6	605	N	3.70	3.70	33.857617	-118.096002	0.77	1.39	unknown	unknown
Biofiltration Swale	7	LA	4	6	605	N	3.78	3.78	33.858768	-118.096264	0.3	unknown	unknown	unknown
Delaware Sand Filter	7	LA	4	3	60	W	11.57	11.57	34.035320	-118.029233	1.49	unknown	unknown	unknown
Delaware Sand Filter	7	LA	4	5	71	S	1.10	1.10	34.063954	-117.795503	1.81	unknown	unknown	unknown
Detention Basin	7	LA	4	2	105	E	16.04	16.04	33.912681	-118.135794	unknown	unknown	unknown	unknown
Detention Basin	7	LA	4	2	105	E	17.42	17.42	33.913422	-118.111851	33.5	unknown	unknown	unknown
Detention Basin	7	LA	4	2	605	N	2.80	2.80	33.845068	-118.091902	6.1	3.21	unknown	unknown
Detention Basin	7	LA	4	2	605	S	5.00	5.00	33.873712	-118.101964	0.8	unknown	unknown	unknown
Detention Basin	7	LA	4	3	5	S	6.65	6.65	33.938645	-118.094940	unknown	unknown	unknown	unknown
Detention Basin	7	LA	4	3	5	S	6.73	6.73	33.939696	-118.095611	22	unknown	unknown	unknown
Detention Basin	7	LA	4	3	5	S	6.88	6.88	33.941432	-118.097239	6.8	unknown	unknown	unknown
Detention Basin	7	LA	4	3	210	W	41.63	41.63	34.120619	-117.872272	0.56	0.89	unknown	unknown
Detention Basin	7	LA	4	3	605	S	14.43	14.43	34.004905	-118.063935	2.5	unknown	unknown	unknown
Detention Basin	7	LA	4	3	605	S	14.43	14.43	34.004740	-118.063372	2.49	1.39	unknown	unknown
Detention Basin	7	LA	4	3	605	N	17.47	17.47	34.034622	-118.026315	3.01	1.47	unknown	unknown
Detention Basin	7	LA	4	4	39	S	23.11	23.11	34.214337	-117.864580	unknown	unknown	unknown	unknown
Detention Basin	7	LA	4	4	39	S	23.92	23.92	34.219208	-117.855577	unknown	unknown	unknown	unknown
Detention Basin	7	LA	4	5	60	E	20.35	20.35	33.994162	-117.890002	1.16	unknown	unknown	unknown
Detention Basin	7	LA	4	5	60	W	20.48	20.48	33.994145	-117.887753	1.34	unknown	unknown	unknown
Detention Basin	7	LA	4	6	5	N	4.62	4.62	33.913808	-118.076403	11.39	unknown	unknown	unknown
Detention Basin	7	LA	4	6	5	N	4.90	4.90	33.916948	-118.079698	5.6	unknown	unknown	unknown
Detention Basin	12	ORA	4	6	57	N	19.11	19.11	33.909427	-117.882923	14.88	unknown	unknown	unknown
Detention Basin	12	ORA	4	6	57	N	19.74	19.74	33.909232	-117.882703	unknown	unknown	unknown	unknown
Detention Basin	12	ORA	4	6	57	N	19.76	19.76	33.909476	-117.882728	unknown	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	3	210	E	44.20	44.20	34.121030	-117.829230	2.35	0.96	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	3	210	E	44.36	44.36	34.120764	-117.826314	0.98	0.45	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	3	210	E	44.42	44.42	34.120675	-117.825300	0.83	7.33	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	3	210	E	44.75	44.75	34.120183	-117.819702	2.42	0.99	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	3	210	E	45.22	45.22	34.119787	-117.811529	1.09	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	3	210	E	45.52	45.52	34.119801	-117.806295	3.45	1.13	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	3	210	E	45.74	45.74	34.119783	-117.802462	9.29	6.93	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	3	210	E	48.87	48.87	34.120102	-117.747915	2.73	0.39	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	3	605	N	23.55	23.55	34.109593	-117.980778	0.35	1.03	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	91	W	17.12	17.12	33.876400	-118.099367	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	605	S	4.31	4.31	33.866062	-118.099103	0.77	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	605	N	4.40	4.40	33.867471	-118.098916	1.11	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	605	N	4.52	4.52	33.869126	-118.099516	0.71	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	605	S	4.62	4.62	33.870364	-118.100709	0.84	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	5	S	6.65	6.65	33.938670	-118.094957	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	60	W	11.10	11.10	34.037464	-118.037004	0.82	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	60		11.89	11.89	34.032806	-118.024660	0.87	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	210	E	43.24	43.24	34.117608	-117.845181	1.95	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	210	E	44.20	44.20	34.121030	-117.829230	0.79	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	210	E	44.20	44.20	34.121030	-117.829230	1.55	0.29	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	210	E	44.75	44.75	34.120183	-117.819702	1.25	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	210	E	44.75	44.75	34.120183	-117.819702	1.17	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	210	W	45.74	45.74	34.119783	-117.802462	1.03	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	210	E	45.74	45.74	34.119783	-117.802462	0.93	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	605	S	8.30	8.30	33.924031	-118.103615	0.64	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	605	S	11.60	11.60	33.967693	-118.083561	1.31	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	605	S	11.60	11.60	33.967725	-118.083071	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	605	N	19.09	19.09	34.050126	-118.006604	1.28	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	605	N	19.09	19.09	34.050126	-118.006604	3.91	2.48	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	605	N	19.09	19.09	34.050126	-118.006604	1.12	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	605	N	19.09	19.09	34.050126	-118.006604	1.2	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	605	N	19.09	19.09	34.050126	-118.006604	1.17	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	605	N	24.01	24.01	34.115270	-117.977500	1.66	0.36	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	60		15.03	15.03	34.011536	-117.979145	1.54	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	60		15.03	15.03	34.011536	-117.979145	0.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	60		15.30	15.30	34.010119	-117.974869	0.93	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	60		18.05	18.05	33.996773	-117.929797	2.08	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	60		18.95	18.95	33.994796	-117.914331	1.44	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	60	W	20.50	20.50	33.994141	-117.887405	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	60		21.30	21.30	33.995801	-117.873618	1.58	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	60		21.53	21.53	33.996389	-117.869667	4.64	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	60		21.85	21.85	33.997284	-117.864203	5.11	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	60		21.89	21.89	33.997397	-117.863520	4.28	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	60		22.80	22.80	33.999927	-117.847975	4.95	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	60	W	24.58	24.58	34.011735	-117.822023	1.8	0.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	71	S	1.65	1.65	34.053100	-117.781055	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	71	S	1.75	1.75	34.052048	-117.779878	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	91	E	19.19	19.19	33.875300	-118.063673	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	605	N	5.08	5.08	33.877243	-118.101468	4.2	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	605	S	5.85	5.85	33.887872	-118.104969	7.73	1.67	unknown	unknown
Infiltration Basin	7	LA	4	2	605	S	5.85	5.85	33.887881	-118.104412	6.06	1.67	unknown	unknown
Infiltration Basin	7	LA	4	3	5	S	6.52	6.52	33.937046	-118.093843	2.6	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	5	S	6.70	6.70	33.939150	-118.095682	1.4	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	5	N	6.99	6.99	33.943443	-118.097630	1.1	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	5	S	8.28	8.28	33.957074	-118.111471	1.3	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	10		31.30	31.30	34.065384	-117.997575	5.2	unknown	unknown	unknown

Infiltration Basin	7	LA	4	3	10		31.90	31.90	34.066810	-117.987257	2.4	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	10	E	38.92	38.92	34.070358	-117.865784	1.38	0.44	unknown	unknown
Infiltration Basin	7	LA	4	3	210	E	44.62	44.62	34.120378	-117.821938	2.09	2.5	unknown	unknown
Infiltration Basin	7	LA	4	3	605	S	7.89	7.89	33.917456	-118.104674	4.71	2.94	unknown	unknown
Infiltration Basin	7	LA	4	3	605	S	7.89	7.89	33.917511	-118.105566	7.65	2.94	unknown	unknown
Infiltration Basin	7	LA	4	3	605	N	8.39	8.39	33.924680	-118.104090	1.9	0.54	unknown	unknown
Infiltration Basin	7	LA	4	3	605	N	8.39	8.39	33.924822	-118.103317	5.95	4.05	unknown	unknown
Infiltration Basin	7	LA	4	3	605	S	9.40	9.40	33.938775	-118.098823	0.9	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	605	N	9.43	9.43	33.939032	-118.097246	1	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	605	N	9.52	9.52	33.939767	-118.096691	0.85	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	605	S	9.53	9.53	33.940305	-118.098208	1.5	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	605	S	10.33	10.33	33.950679	-118.091369	1.71	1.29	unknown	unknown
Infiltration Basin	7	LA	4	3	605	S	10.33	10.33	33.950750	-118.091949	3	1.3	unknown	unknown
Infiltration Basin	7	LA	4	3	605	N	11.76	11.76	33.969000	-118.081627	1	unknown	unknown	unknown
Infiltration Basin	7	LA	4	3	605	S	16.82	16.82	34.028622	-118.035136	4.39	1.7	unknown	unknown
Infiltration Basin	7	LA	4	5	60	E	24.42	24.42	34.009328	-117.823308	7.2	2	unknown	unknown
Infiltration Basin	7	LA	4	6	5	N	4.39	4.39	33.912047	-118.073206	2.84	unknown	unknown	unknown
Infiltration Basin	7	LA	4	6	91	W	18.23	18.23	33.876938	-118.080812	4.81	3.03	unknown	unknown
Infiltration Basin	7	LA	4	6	91	E	18.62	18.62	33.876127	-118.074101	6.21	3.95	unknown	unknown
Infiltration Trench	7	LA	4	3	210	W	44.08	44.08	34.121117	-117.831335	0.81	0.12	unknown	unknown
Infiltration Trench	7	LA	4	3	210	E	44.42	44.42	34.120675	-117.825300	0.39	0.02	unknown	unknown
Infiltration Trench	7	LA	4	3	210	E	44.66	44.66	34.120313	-117.821250	0.84	0.5	unknown	unknown
Infiltration Trench	7	LA	4	5	60		15.91	15.91	34.007068	-117.964950	1.85	1.06	unknown	unknown
Infiltration Trench	7	LA	4	5	60		15.92	15.92	34.007017	-117.964788	0.55	0.1	unknown	unknown
Infiltration Trench	7	LA	4	5	60		19.46	19.46	33.994174	-117.905486	0.48	0.13	unknown	unknown
Infiltration Trench	7	LA	4	5	210	E	51.87	51.87	34.121853	-117.696057	1.6	4.48	unknown	unknown
Infiltration Trench	7	LA	4	6	5	S	1.75	1.75	33.888485	-118.036923	unknown	unknown	unknown	unknown
Multi-Chambered Treatment Train	7	LA	4	2	105		17.40	17.40	33.913870	-118.112190	unknown	unknown	unknown	unknown
Multi-Chambered Treatment Train	7	LA	4	3	57		8.73	8.73	34.078143	-117.814179	unknown	unknown	unknown	unknown
Other	7	LA	4	2	105	E	15.70	15.70	33.911965	-118.141880	1.9	unknown	unknown	unknown
Other	7	LA	4	3	57	S	8.74	8.74	34.077959	-117.814848	1.1	unknown	unknown	unknown
Other	7	LA	4	3	210	E	46.40	46.40	34.119839	-117.790983	unknown	unknown	unknown	unknown
Other	7	LA	4	4	39	S	20.04	20.04	34.184678	-117.875587	unknown	unknown	unknown	unknown
Other	7	LA	4	4	39	S	21.54	21.54	34.199529	-117.861741	unknown	unknown	unknown	unknown
Other	7	LA	4	4	210	W	37.93	37.93	34.130095	-117.932502	0.85	0.37	unknown	unknown
Other	7	LA	4	5	60		19.21	19.21	33.994270	-117.909845	9.64	3.39	unknown	unknown
Other	7	LA	4	5	60	W	19.46	19.46	33.994877	-117.905371	2.96	0.03	unknown	unknown
Other	7	LA	4	5	210	E	49.36	49.36	34.120519	-117.739567	unknown	unknown	unknown	unknown
Other	7	LA	4	5	210	W	51.98	51.98	34.122144	-117.697210	unknown	unknown	unknown	unknown
Other	12	ORA	4	6	57		21.40	21.40	33.933023	-117.878860	unknown	unknown	unknown	unknown

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Treatment BMP List - San Lorenzo River Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	5	SCR	3	1	1	N	15.77	15.77	36.988281	-122.002436	unknown	unknown	unknown	unknown
Biofiltration Swale	5	SCR	3	1	1	S	16.60	16.60	36.988966	-122.017246	unknown	unknown	unknown	unknown
Biofiltration Swale	5	SCR	3	1	1	N	16.60	16.60	36.988966	-122.017246	unknown	unknown	unknown	unknown
DPP (Design Pollution Prevention)	5	SCR	3	1	9	M	0.10	8.50	36.985029	-122.029947	unknown	7.96	unknown	unknown
Other	5	SCR	3	4	9	N	22.10	23.80	37.225326	-122.151703	6.8	unknown	unknown	unknown

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Treatment BMP List - San Pedro Pacifica State Beach Bacteria TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	4	SM	2	1	1	S	40.82	40.76	37.593923	-122.505956	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SM	2	1	1	S	40.93	40.87	37.595674	-122.504352	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	1	1	S	40.76	40.76	37.593820	-122.505997	0.88	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	1	1	N	40.77	40.79	37.593796	-122.505713	0.17	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	1	1	N	40.81	40.79	37.594260	-122.505454	0.08	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	1	1	N	40.84	40.86	37.594664	-122.505016	0.1	unknown	unknown	unknown
Biofiltration Swale	4	SM	2	1	1	S	40.93	40.87	37.595740	-122.504373	1.09	unknown	unknown	unknown
Detention Basin	4	SM	2	1	1	N	40.40	40.40	37.589044	-122.504892	2.24	unknown	unknown	unknown

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Treatment BMP List - Santa Clara River Estuary Reaches 3, 5, 6, 7 Coliform TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	VEN	4	1	126	W	7.90	7.90	34.313899	-119.115544	1.41	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	14	N	29.78	29.78	34.393646	-118.471472	2.69	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	14	S	30.20	30.20	34.397272	-118.465430	12.03	8.67	unknown	unknown
Austin Sand Filter	7	LA	4	6	5	N	58.52	58.52	34.484019	-118.614702	10.02	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	1	126	E	6.50	6.50	34.301846	-119.135432	1.04	0.07	unknown	unknown
Biofiltration Strip	7	VEN	4	1	126	E	6.90	6.90	34.305207	-119.129778	0.44	0.06	unknown	unknown
Biofiltration Strip	7	VEN	4	1	126	E	7.20	7.20	34.307775	-119.125477	0.71	0.46	unknown	unknown
Biofiltration Strip	7	VEN	4	1	126	E	7.30	7.30	34.308629	-119.124045	1.23	0.06	unknown	unknown
Biofiltration Strip	7	VEN	4	1	126	E	7.50	7.50	34.310481	-119.121298	0.63	0.06	unknown	unknown
Biofiltration Strip	7	VEN	4	1	126	W	7.70	7.70	34.312369	-119.118640	1.26	0.13	unknown	unknown
Biofiltration Strip	7	VEN	4	1	126		11.40	11.40	34.345708	-119.068191	unknown	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	5	N	49.60	49.60	34.369482	-118.559634	0.68	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	5	N	49.60	49.60	34.369482	-118.559634	1.55	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	5	S	50.17	50.17	34.376571	-118.564703	0.42	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	5	S	50.53	50.53	34.381299	-118.567343	0.54	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	4	5		50.53	50.53	34.381353	-118.567387	0.75	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	1	101	E	25.90	25.90	34.261684	-119.229646	5.69	0.49	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	1.30	1.30	34.270840	-119.215812	0.65	0.08	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	1.40	1.40	34.271130	-119.214339	1.43	1.66	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	1.60	1.60	34.271980	-119.211146	1.07	0.62	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	2.00	2.00	34.272982	-119.204217	1.15	0.07	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	2.70	2.70	34.274858	-119.192411	1.65	0.2	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	S	2.75	2.75	34.274260	-119.191338	2.4	2.36	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	2.88	2.88	34.274765	-119.189212	0.45	0.21	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	4.00	4.00	34.280647	-119.171061	1.6	0.76	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	5.30	5.30	34.291729	-119.152372	1.09	0.89	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	5.52	5.52	34.293589	-119.149235	0.81	0.96	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	5.70	5.70	34.295108	-119.146749	1.37	0.08	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	6.00	6.00	34.297780	-119.142625	1.11	0.9	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	6.50	6.50	34.302149	-119.135700	0.55	0.07	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	8.20	8.20	34.316590	-119.111454	0.53	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	8.20	8.20	34.316271	-119.111148	2.33	0.19	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	8.30	8.30	34.317128	-119.109739	0.58	0.07	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	8.40	8.40	34.318260	-119.108597	0.53	0.09	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	8.50	8.50	34.318804	-119.106863	0.52	0.12	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	8.70	8.70	34.320802	-119.104354	0.98	1.13	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	8.90	8.90	34.322590	-119.101600	3.11	0.26	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	8.93	8.93	34.322324	-119.100709	0.74	0.8	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	9.10	9.10	34.323801	-119.098421	0.75	0.14	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	9.20	9.20	34.324978	-119.097362	0.39	0.32	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	9.30	9.30	34.325611	-119.095722	0.64	0.84	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	9.60	9.60	34.328944	-119.092158	2.21	0.15	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	9.90	9.90	34.332429	-119.088995	1.04	0.69	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	10.20	10.20	34.336732	-119.082797	1.18	0.08	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	10.21	10.21	34.335424	-119.084986	1.18	0.08	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	10.60	10.60	34.339176	-119.079820	0.61	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	10.60	10.60	34.339181	-119.079823	0.61	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	10.80	10.80	34.340880	-119.077022	0.52	0.12	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	10.80	10.80	34.340914	-119.077024	1.54	2	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	11.20	11.20	34.343790	-119.070905	1.54	2	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	11.30	11.30	34.345038	-119.069718	0.5	0.37	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	11.59	11.59	34.347530	-119.065526	1.69	0.09	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	12.00	12.00	34.349675	-119.059045	3.3	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	12.00	12.00	34.349683	-119.059036	3.3	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	12.20	12.20	34.350985	-119.055935	1.14	0.13	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	12.60	12.60	34.354062	-119.050114	1.48	0.19	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	12.80	12.80	34.355960	-119.047453	2.75	0.15	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	49.60	49.60	34.369482	-118.559634	2.95	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	49.60	49.60	34.369482	-118.559634	1.55	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	49.60	49.60	34.369551	-118.559286	1.51	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	50.23	50.23	34.377599	-118.564470	0.85	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	50.24	50.24	34.377588	-118.564507	1.75	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	50.39	50.39	34.379484	-118.566384	1.27	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	50.39	50.39	34.379623	-118.565716	0.55	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	50.48	50.48	34.380830	-118.566264	1.57	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	50.48	50.48	34.380799	-118.566400	2.94	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	51.01	51.01	34.388194	-118.570153	1.91	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	52.33	52.33	34.406532	-118.575235	3.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	52.33	52.33	34.406514	-118.575287	4.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	52.39	52.39	34.407350	-118.575563	1.13	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	52.41	52.41	34.407420	-118.576395	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	52.41	52.41	34.407485	-118.576170	2.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	52.41	52.41	34.407420	-118.576363	2.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	52.50	52.50	34.408705	-118.576773	0.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	52.50	52.50	34.408682	-118.576758	2.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	52.92	52.92	34.422359	-118.583305	0.89	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	52.94	52.94	34.422746	-118.582644	0.39	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	53.02	53.02	34.423488	-118.583916	0.39	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	53.03	53.03	34.423854	-118.583221	0.39	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	53.17	53.17	34.417857	-118.580981	9.14	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	53.18	53.18	34.417859	-118.580971	13.36	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	53.53	53.53	34.422909	-118.582792	1.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	53.53	53.53	34.422646	-118.583380	1.29	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	53.58	53.58	34.423354	-118.583805	1.27	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	53.59	53.59	34.423862	-118.583300	1.28	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	53.87	53.87	34.427207	-118.585904	1.95	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	54.22	54.22	34.431772	-118.588536	1.95	unknown	unknown	unknown

Biofiltration Swale	7	LA	4	4	5	N	54.22	54.22	34.431813	-118.588483	1.23	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	54.42	54.42	34.433943	-118.591906	3.26	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	54.55	54.55	34.435527	-118.593820	0.97	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	S	54.55	54.55	34.435529	-118.593812	0.41	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	55.12	55.12	34.442000	-118.602495	0.67	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	55.12	55.12	34.441956	-118.602456	0.93	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	55.32	55.32	34.443650	-118.605640	2.41	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	5	N	55.33	55.33	34.443705	-118.605724	0.89	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	4	14	N	27.85	27.85	34.376611	-118.493502	0.27	0.87	unknown	unknown
Biofiltration Swale	7	LA	4	4	14	N	28.58	28.58	34.383608	-118.485979	0.36	0.39	unknown	unknown
Biofiltration Swale	7	LA	4	5	14	N	29.62	29.62	34.391985	-118.473506	0.3203	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	14	S	31.23	31.23	34.405196	-118.450786	2.02	0.23	unknown	unknown
Biofiltration Swale	7	LA	4	5	14	S	33.54	33.54	34.426041	-118.421817	1.173	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	14	S	35.62	35.62	34.434190	-118.387725	0.41	0.78	unknown	unknown
Biofiltration Swale	7	LA	4	5	14		36.23	36.23	34.435748	-118.377830	1.38	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	14	N	36.37	36.37	34.436207	-118.375511	0.9	0.48	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	N	55.39	55.39	34.443951	-118.606399	3.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	N	55.39	55.39	34.444058	-118.606439	0.74	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	N	55.39	55.39	34.444098	-118.606447	1.79	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	N	55.39	55.39	34.443908	-118.606475	1.23	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	S	55.57	55.57	34.444623	-118.608868	0.99	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	S	55.57	55.57	34.444654	-118.608822	2.84	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	S	55.57	55.57	34.444625	-118.608829	2.38	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	S	55.58	55.58	34.444648	-118.608832	7.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	N	55.83	55.83	34.446975	-118.610759	0.72	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	S	56.55	56.55	34.455272	-118.616366	0.83	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	N	56.55	56.55	34.455299	-118.615657	3.51	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	S	56.64	56.64	34.456610	-118.616329	1.14	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	S	56.68	56.68	34.457210	-118.616357	0.98	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	5	S	56.73	56.73	34.457922	-118.616138	2.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	126	W	4.65	4.65	34.432836	-118.621452	1.54	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	126	E	4.75	4.75	34.433978	-118.620207	1.96	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	126	W	4.75	4.75	34.433978	-118.620207	0.78	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	126	E	4.90	4.90	34.435479	-118.618139	0.41	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	126	E	4.90	4.90	34.435479	-118.618139	0.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	126	W	4.90	4.90	34.435479	-118.618139	0.29	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	126	W	4.90	4.90	34.435479	-118.618139	1.33	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	126	W	5.00	5.00	34.436360	-118.616447	1.53	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	126	E	5.10	5.10	34.437159	-118.614721	2.77	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	126	W	5.30	5.30	34.438791	-118.612316	0.84	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	126	E	5.30	5.30	34.438791	-118.612316	1.15	unknown	unknown	unknown
Delaware Sand Filter	7	LA	4	4	5	N	51.77	51.77	34.398884	-118.572000	1.6	unknown	unknown	unknown
Delaware Sand Filter	7	LA	4	4	5	N	52.43	52.43	34.408010	-118.575544	1.2	unknown	unknown	unknown
Delaware Sand Filter	7	LA	4	4	5	S	54.04	54.04	34.429380	-118.587112	2.37	unknown	unknown	unknown
Detention Basin	7	VEN	4	3	33	S	27.97	27.97	34.553780	-119.243469	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	3	33	S	40.59	40.59	34.631594	-119.372111	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	3	33	S	40.61	40.61	34.632051	-119.372306	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	3	33	S	40.66	40.66	34.632873	-119.372460	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	3	33	S	40.91	40.91	34.636202	-119.372955	unknown	unknown	unknown	unknown
Detention Basin	7	LA	4	5	14	N	32.12	32.12	34.416045	-118.442279	4.57	1.76	unknown	unknown
Detention Basin	7	LA	4	6	126	E	4.48	4.48	34.430904	-118.623561	11.48	unknown	unknown	unknown
Detention Basin	7	LA	4	6	126	E	4.81	4.81	34.434597	-118.619420	6.29	unknown	unknown	unknown
Detention Basin	7	LA	4	6	126	E	4.86	4.86	34.435091	-118.618727	9.09	unknown	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	1	126	E	1.47	1.47	34.271053	-119.213146	unknown	7.06	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	1	126	E	4.97	4.97	34.288882	-119.157143	unknown	2.72	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	1	126	E	7.70	7.70	34.312187	-119.118425	unknown	0.91	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	1	126	E	7.90	7.90	34.313752	-119.115422	unknown	1.07	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	1	126	E	10.20	10.20	34.335580	-119.085232	unknown	10.11	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	1	126	M	10.20	10.20	34.335580	-119.085232	unknown	4.37	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	1	126	W	10.20	10.20	34.335580	-119.085232	unknown	10.1	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	4	14	N	29.20	29.20	34.388494	-118.479349	unknown	16.7	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	4	14	N	26.97	26.97	34.363835	-118.503939	1.39	0.05	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	4	14	N	27.00	27.00	34.364238	-118.503722	0.82	0.05	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	4	14	N	28.40	28.40	34.380708	-118.489562	1.57	1	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	4	14	N	28.58	28.58	34.382689	-118.487433	0.36	0.03	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	5	14	N	30.90	30.90	34.402152	-118.455060	0.77	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	5	14	N	33.77	33.77	34.427307	-118.418118	1.38	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	5	14	N	33.96	33.96	34.427439	-118.415020	0.77	unknown	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	5	14	N	34.05	34.05	34.427346	-118.413492	1.53	0.48	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	5	14	N	34.05	34.05	34.427350	-118.413503	1.53	0.48	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	N	49.08	49.08	34.362978	-118.555387	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	N	50.74	50.74	34.384362	-118.567799	1.21	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	N	50.74	50.74	34.384362	-118.567848	1.64	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	50.75	50.75	34.384328	-118.568492	1.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	50.75	50.75	34.384308	-118.568608	0.92	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	50.75	50.75	34.384324	-118.568557	0.82	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	N	50.99	50.99	34.388094	-118.569305	1.62	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	N	50.99	50.99	34.388085	-118.569346	1.18	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	S	51.56	51.56	34.395642	-118.572023	1.57	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	4	5	N	52.49	52.49	34.408767	-118.576014	0.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	14	S	35.66	35.66	34.433981	-118.387104	1.34	unknown	unknown	unknown
Infiltration Basin	7	VEN	4	1	118	W	1.59	1.59	34.279995	-119.143152	0.55	0.71	41.3	unknown
Infiltration Basin	7	VEN	4	1	126	W	9.00	9.00	34.323343	-119.100136	2.1	0.6	unknown	unknown
Infiltration Basin	7	VEN	4	1	126	E	10.30	10.30	34.336312	-119.083731	2	0.5	unknown	unknown

Infiltration Basin	7	VEN	4	1	126	W	12.10	12.10	34.350409	-119.057537	2.8	0.3	unknown	unknown
Infiltration Basin	7	VEN	4	1	126	W	12.10	12.10	34.350401	-119.057547	2.8	0.22	unknown	unknown
Infiltration Basin	7	LA	4	4	5	S	52.55	52.55	34.409372	-118.577154	3.2	unknown	unknown	unknown
Infiltration Basin	7	LA	4	4	5	S	54.43	54.43	34.433784	-118.592244	1.97	unknown	unknown	unknown
Infiltration Trench	7	VEN	4	1	126	E	1.30	1.30	34.270850	-119.215851	unknown	unknown	unknown	unknown
Infiltration Trench	7	VEN	4	1	126	W	1.60	1.60	34.271971	-119.211205	unknown	unknown	unknown	unknown
Infiltration Trench	7	VEN	4	1	126	E	1.90	1.90	34.272357	-119.205823	1.54	0.07	unknown	unknown
Infiltration Trench	7	VEN	4	1	126	W	2.00	2.00	34.272987	-119.204293	unknown	unknown	unknown	unknown
Infiltration Trench	7	VEN	4	1	126	E	2.50	2.50	34.274021	-119.195658	1.33	unknown	unknown	unknown
Infiltration Trench	7	VEN	4	1	126	E	5.60	5.60	34.294268	-119.148091	unknown	unknown	unknown	unknown
Infiltration Trench	7	VEN	4	1	126	E	5.70	5.70	34.295164	-119.146696	unknown	unknown	unknown	unknown
Infiltration Trench	7	VEN	4	1	126	W	6.50	6.50	34.302131	-119.135744	unknown	unknown	unknown	unknown
Infiltration Trench	7	LA	4	4	14	N	26.15	26.15	34.352562	-118.504606	0.74	2.34	unknown	unknown
Infiltration Trench	7	LA	4	4	14	N	26.23	26.23	34.353813	-118.505032	0.71	1.04	unknown	unknown
Infiltration Trench	7	LA	4	4	14	N	26.56	26.56	34.358408	-118.506102	1.43	unknown	unknown	unknown
Infiltration Trench	7	LA	4	4	14	N	27.07	27.07	34.365345	-118.503103	0.38	0.17	unknown	unknown
Infiltration Trench	7	LA	4	4	14	N	27.09	27.09	34.365681	-118.501767	0.69	0.68	unknown	unknown
Infiltration Trench	7	LA	4	4	14	N	27.13	27.13	34.366747	-118.502202	1.32	0.87	unknown	unknown
Infiltration Trench	7	LA	4	4	14	N	27.81	27.81	34.376467	-118.494233	1.19	0.83	unknown	unknown
Infiltration Trench	7	LA	4	4	14	N	27.85	27.85	34.376611	-118.493620	0.27	0.6	unknown	unknown
Infiltration Trench	7	LA	4	4	14	S	28.01	28.01	34.379225	-118.492902	2.72	1.03	unknown	unknown
Infiltration Trench	7	LA	4	5	14	N	30.62	30.62	34.400005	-118.458887	1.03	0.54	unknown	unknown
Infiltration Trench	7	LA	4	5	14	N	30.82	30.82	34.401339	-118.456012	1.04	0.04	unknown	unknown
Infiltration Trench	7	LA	4	5	14	N	30.89	30.89	34.401815	-118.455035	0.35	0.58	unknown	unknown
Infiltration Trench	7	LA	4	5	14	N	32.44	32.44	34.418263	-118.438657	1.86	0.17	unknown	unknown
Infiltration Trench	7	LA	4	5	14	N	32.44	32.44	34.418070	-118.438477	1.86	unknown	unknown	unknown
Infiltration Trench	7	LA	4	5	14	N	32.55	32.55	34.418754	-118.436874	1.76	unknown	unknown	unknown
Infiltration Trench	7	LA	4	5	14	N	33.86	33.86	34.427491	-118.416687	1.38	unknown	unknown	unknown
Infiltration Trench	7	LA	4	5	14	N	34.14	34.14	34.427384	-118.411933	1.57	unknown	unknown	unknown
Infiltration Trench	7	LA	4	5	14	N	34.14	34.14	34.427384	-118.411933	1.57	0.19	unknown	unknown
Infiltration Trench	7	LA	4	5	14	N	34.23	34.23	34.427416	-118.410355	1.59	unknown	unknown	unknown
Infiltration Trench	7	LA	4	5	14	W	35.60	35.60	34.434166	-118.388025	0.66	unknown	unknown	unknown
Infiltration Trench	7	LA	4	6	5	N	55.50	55.50	34.444843	-118.607544	1.73	unknown	unknown	unknown
Other	7	VEN	4	1	101	N	23.60	23.60	34.244409	-119.195054	unknown	unknown	unknown	unknown
Other	7	VEN	4	3	33	S	35.07	35.07	34.594917	-119.316433	unknown	unknown	unknown	unknown
Other	7	LA	4	5	14	W	35.50	35.50	34.434222	-118.389772	0.56	unknown	unknown	unknown

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Treatment BMP List - Santa Clara River Reach 3 Chloride TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	7	VEN	4	1	126		11.40	11.40	34.345708	-119.068191	unknown	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	8.20	8.20	34.316271	-119.111148	2.33	0.19	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	8.30	8.30	34.317128	-119.109739	0.58	0.07	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	8.40	8.40	34.318260	-119.108597	0.53	0.09	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	8.50	8.50	34.318804	-119.106863	0.52	0.12	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	8.70	8.70	34.320802	-119.104354	0.98	1.13	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	8.90	8.90	34.322590	-119.101600	3.11	0.26	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	8.93	8.93	34.322324	-119.100709	0.74	0.8	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	9.10	9.10	34.323801	-119.098421	0.75	0.14	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	9.20	9.20	34.324978	-119.097362	0.39	0.32	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	9.30	9.30	34.325611	-119.095722	0.64	0.84	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	9.60	9.60	34.328944	-119.092158	2.21	0.15	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	9.90	9.90	34.332429	-119.088995	1.04	0.69	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	10.20	10.20	34.336732	-119.082797	1.18	0.08	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	10.21	10.21	34.335424	-119.084986	1.18	0.08	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	10.60	10.60	34.339176	-119.079820	0.61	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	10.60	10.60	34.339181	-119.079823	0.61	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	10.80	10.80	34.340880	-119.077022	0.52	0.12	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	10.80	10.80	34.340914	-119.077024	1.54	2	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	11.20	11.20	34.343790	-119.070905	1.54	2	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	11.30	11.30	34.345038	-119.069718	0.5	0.37	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	11.59	11.59	34.347530	-119.065526	1.69	0.09	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	12.00	12.00	34.349675	-119.059045	3.3	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	E	12.00	12.00	34.349683	-119.059036	3.3	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	12.20	12.20	34.350985	-119.055935	1.14	0.13	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	12.60	12.60	34.354062	-119.050114	1.48	0.19	unknown	unknown
Biofiltration Swale	7	VEN	4	1	126	W	12.80	12.80	34.355960	-119.047453	2.75	0.15	unknown	unknown
Detention Basin	7	VEN	4	3	33	S	27.97	27.97	34.553780	-119.243469	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	3	33	S	40.59	40.59	34.631594	-119.372111	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	3	33	S	40.61	40.61	34.632051	-119.372306	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	3	33	S	40.66	40.66	34.632873	-119.372460	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	3	33	S	40.91	40.91	34.636202	-119.372955	unknown	unknown	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	1	126	E	10.20	10.20	34.335580	-119.085232	unknown	10.11	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	1	126	M	10.20	10.20	34.335580	-119.085232	unknown	4.37	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	1	126	W	10.20	10.20	34.335580	-119.085232	unknown	10.1	unknown	unknown
Infiltration Basin	7	VEN	4	1	126	W	9.00	9.00	34.323343	-119.100136	2.1	0.6	unknown	unknown
Infiltration Basin	7	VEN	4	1	126	E	10.30	10.30	34.336312	-119.083731	2	0.5	unknown	unknown
Infiltration Basin	7	VEN	4	1	126	W	12.10	12.10	34.350409	-119.057537	2.8	0.3	unknown	unknown
Infiltration Basin	7	VEN	4	1	126	W	12.10	12.10	34.350401	-119.057547	2.8	0.22	unknown	unknown
Other	7	VEN	4	3	33	S	35.07	35.07	34.594917	-119.316433	unknown	unknown	unknown	unknown

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Treatment BMP List - Santa Monica Bay DDTs and PCBs TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	3	101		30.10	30.10	34.151144	-118.682466	3.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		30.50	30.50	34.150719	-118.689279	3.7	0.5	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		31.90	31.90	34.140950	-118.709374	2.98	0.69	unknown	unknown
Austin Sand Filter	7	LA	4	3	101	N	33.00	33.00	34.138288	-118.727904	1.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101	S	33.40	33.40	34.140986	-118.734015	1.7	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		33.40	33.40	34.141249	-118.733725	1.7	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101	S	33.80	33.80	34.142917	-118.740043	1.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101	E	35.70	35.70	34.147428	-118.772733	1.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		36.00	36.00	34.147152	-118.777954	4.3	1.6	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		38.01	38.01	34.151391	-118.811632	1.9	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	10	E	8.83	8.83	34.036227	-118.378136	8.26	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	10	E	10.43	10.43	34.033493	-118.350948	3.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	10	E	10.43	10.43	34.033527	-118.349765	3.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	10	E	13.46	13.46	34.036521	-118.298852	2.75	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	90	W	1.25	1.25	33.983221	-118.437026	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	90	W	1.49	1.49	33.982422	-118.432768	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	90	W	1.58	1.58	33.982146	-118.431119	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	90	W	1.59	1.59	33.982127	-118.431032	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	90	W	2.49	2.49	33.987967	-118.401718	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	101	S	4.28	4.28	34.078743	-118.289877	3.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	101	S	4.60	4.60	34.080772	-118.295137	3.13	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	101	S	8.19	8.19	34.116432	-118.337401	4.11	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	N	21.01	21.01	34.032127	-118.274423	1.57	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	M	0.10	0.10	34.152860	-118.816317	0.24	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	0.97	0.97	34.160305	-118.828456	1.76	0.44	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	1.16	1.16	34.162015	-118.831071	1.57	0.48	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		29.80	29.80	34.150525	-118.677389	3.9	0.9	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		31.00	31.00	34.149096	-118.697239	2.3	0.7	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		31.00	31.00	34.149096	-118.697239	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		31.00	31.00	34.149096	-118.697239	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		31.30	31.30	34.145608	-118.700746	0.4	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		31.30	31.30	34.145608	-118.700746	0.5	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		31.30	31.30	34.145608	-118.700746	0.4	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		32.80	32.80	34.138138	-118.724561	1.5	0.5	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	S	33.70	33.70	34.142875	-118.738339	1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		33.70	33.70	34.143162	-118.738307	1.3	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	S	33.80	33.80	34.142923	-118.739975	0.3	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	N	33.90	33.90	34.143439	-118.741733	1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		33.90	33.90	34.143175	-118.741824	1.5	0.5	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	N	34.20	34.20	34.143918	-118.746849	1.9	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		34.20	34.20	34.143660	-118.746932	1.4	0.4	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		35.30	35.30	34.146635	-118.765794	1.1	0.2	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		36.80	36.80	34.146163	-118.791774	3.8	0.7	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	N	37.00	37.00	34.149174	-118.803052	0.28	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	N	37.19	37.19	34.147020	-118.798384	0.6	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	N	37.40	37.40	34.148572	-118.801635	1.5	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	N	37.48	37.48	34.149202	-118.803000	0.4	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		37.50	37.50	34.148888	-118.803509	1.2	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		37.60	37.60	34.149397	-118.805143	1.8	0.9	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	S	37.60	37.60	34.149189	-118.805354	1.5	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	E	37.75	37.75	34.149785	-118.807651	1.4	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	S	38.00	38.00	34.150787	-118.810605	1.9	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	S	47.30	47.30	34.034303	-118.688797	0.47	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	N	51.20	51.20	34.029233	-118.756431	0.36	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	S	51.40	51.40	34.027614	-118.759180	0.32	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	N	52.50	52.50	34.025985	-118.778546	0.48	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	N	53.40	53.40	34.021774	-118.792307	0.43	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	S	53.50	53.50	34.021124	-118.793669	0.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	S	54.20	54.20	34.022275	-118.806168	0.66	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	S	55.10	55.10	34.016497	-118.819275	0.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	N	55.70	55.70	34.020738	-118.828460	1.12	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	S	57.60	57.60	34.035883	-118.854698	1.12	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	1	N	60.60	60.60	34.043132	-118.906382	0.58	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	0.58	0.58	34.156252	-118.823701	1.1	0.24	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	0.58	0.58	34.156729	-118.823225	0.76	0.41	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	0.60	0.60	34.157743	-118.824517	0.41	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	0.68	0.68	34.157718	-118.824592	0.57	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	1.05	1.05	34.160514	-118.830081	0.33	0.05	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	1.11	1.11	34.161076	-118.830863	0.76	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		30.90	30.90	34.150208	-118.695929	0.8	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		31.00	31.00	34.149096	-118.697239	0.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		31.00	31.00	34.149096	-118.697239	2.1	1.3	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		31.40	31.40	34.144716	-118.702117	1.8	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		31.50	31.50	34.143921	-118.703547	1.8	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		31.60	31.60	34.143113	-118.704972	0.95	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		31.80	31.80	34.141562	-118.707859	2.7	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		31.80	31.80	34.141562	-118.707859	1.3	0.99	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		31.80	31.80	34.141562	-118.707859	1.3	0.99	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		32.00	32.00	34.140407	-118.710994	0.5	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		32.10	32.10	34.139865	-118.712637	3.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		32.10	32.10	34.139865	-118.712637	0.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		32.10	32.10	34.139865	-118.712637	0.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	33.50	33.50	34.141934	-118.735382	1.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		33.50	33.50	34.142178	-118.735122	2.4	1.2	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	N	33.66	33.66	34.143345	-118.737654	0.9	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	33.71	33.71	34.142307	-118.738565	unknown	unknown	0.6	0.14
Biofiltration Swale	7	LA	4	3	101	N	33.80	33.80	34.143517	-118.740011	0.7	unknown	unknown	unknown

Biofiltration Swale	7	LA	4	3	101		33.80	33.80	34.143188	-118.740066	0.5	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		33.80	33.80	34.143188	-118.740066	2	1.3	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	N	36.00	36.00	34.146065	-118.759233	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	N	36.10	36.10	34.147388	-118.779221	0.95	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	36.20	36.20	34.145945	-118.762706	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	36.20	36.20	34.145990	-118.763227	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		36.30	36.30	34.146765	-118.783152	3	2.9	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		37.50	37.50	34.148888	-118.803509	0.78	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	37.52	37.52	34.148253	-118.804063	1.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	37.53	37.53	34.146935	-118.804663	0.93	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		37.70	37.70	34.149891	-118.806760	1.1	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		38.20	38.20	34.151391	-118.811632	0.9	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	4	1	S	39.20	39.20	34.038685	-118.553536	0.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	10	M	4.25	4.25	34.027760	-118.454150	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	10	W	5.28	5.28	34.030858	-118.436556	0.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	10	M	8.83	8.83	34.037092	-118.377816	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	10	M	9.14	9.14	34.035845	-118.372933	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	10	W	14.80	14.80	34.038641	-118.274641	0.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	10	W	21.60	21.60	34.040404	-118.272845	0.22	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	110	S	21.20	21.20	34.040918	-118.274191	1.278	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	110	N	21.20	21.20	34.034728	-118.274483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	110	S	21.20	21.20	34.034728	-118.274483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	110		21.52	21.52	34.039722	-118.273772	0.24	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	6	110		21.78	21.78	34.043337	-118.272417	1.21	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	6	110	S	22.24	22.24	34.047723	-118.267091	1.22	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	22.70	22.70	33.952125	-118.369618	6.3	3.3	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	29.20	29.20	34.027173	-118.430301	8.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405		29.50	29.50	34.030821	-118.433196	7.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	29.90	29.90	34.035029	-118.437699	4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	30.20	30.20	34.039118	-118.439915	3.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	30.20	30.20	34.039118	-118.439915	5.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	30.90	30.90	34.047379	-118.447025	6.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	31.70	31.70	34.057417	-118.453517	7.75	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	32.60	32.60	34.068156	-118.462616	2.81	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	32.60	32.60	34.068156	-118.462616	3.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	N	32.90	32.90	34.071688	-118.465717	8.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	N	34.40	34.40	34.091039	-118.475644	6.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	34.90	34.90	34.098069	-118.477819	3.05	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	35.10	35.10	34.101011	-118.477751	7.24	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	36.20	36.20	34.116000	-118.481895	3.84	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	1		22.10	22.10	33.875619	-118.395986	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	1	N	22.10	22.10	33.875621	-118.395876	1.02	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	23	S	1.60	1.60	34.056414	-118.897086	0.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	23	S	3.20	3.20	34.072710	-118.888273	0.32	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	23	S	3.30	3.30	34.072987	-118.886955	0.07	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	27	S	0.10	0.10	34.041469	-118.578686	0.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	27	S	1.50	1.50	34.057434	-118.583568	0.15	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	27	N	7.20	7.20	34.122332	-118.590544	0.28	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	27	N	8.80	8.80	34.133064	-118.598989	1.13	unknown	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	3	101	N	0.01	0.01	34.152358	-118.814716	unknown	4.37	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	6	10	S	5.00	6.00	34.030170	-118.441362	unknown	38.53	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	6	10	N	11.00	11.00	34.034743	-118.340552	unknown	2.6	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	6	101	N	6.14	6.14	34.096903	-118.313620	unknown	2.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	1	S	49.60	49.60	34.033693	-118.728868	1.61	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	1	N	52.40	52.40	34.025936	-118.777061	1.4	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	1	S	55.70	55.70	34.020724	-118.828481	1.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	1	S	56.90	56.90	34.031579	-118.844293	1.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	1		57.80	57.80	34.036199	-118.858024	2.33	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	1	N	47.50	47.50	34.034910	-118.692284	1.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	101		31.80	31.80	34.141562	-118.707859	5.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	101		32.00	32.00	34.140407	-118.710994	2.2	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	101	N	33.50	33.50	34.141932	-118.735382	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	101	N	33.80	33.80	34.143521	-118.740022	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.50	5.50	34.031391	-118.432775	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.59	5.59	34.031374	-118.430901	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.60	5.60	34.031105	-118.429599	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.60	5.60	34.031600	-118.431040	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.68	5.68	34.031391	-118.427932	3.4	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.70	5.70	34.031734	-118.429293	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.80	5.80	34.031754	-118.427581	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.85	5.85	34.031464	-118.426307	3.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.90	5.90	34.031755	-118.425842	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.98	5.98	34.031429	-118.423940	2.9	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	6.10	6.10	34.031771	-118.422376	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	6.17	6.17	34.031535	-118.420768	0.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	6.18	6.18	34.032073	-118.420698	0.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	6.20	6.20	34.031775	-118.420647	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	7.80	7.80	34.029694	-118.393216	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.06	8.06	34.031647	-118.389066	6.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.38	8.38	34.034437	-118.384856	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.40	8.40	34.034606	-118.384571	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.50	8.50	34.035175	-118.382911	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.60	8.60	34.036261	-118.381722	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.65	8.65	34.036572	-118.380951	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.66	8.66	34.036213	-118.380777	4.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.80	8.80	34.036411	-118.379415	9.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	9.00	9.00	34.036441	-118.375045	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	9.00	9.00	34.036441	-118.375045	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	9.10	9.10	34.036073	-118.373328	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	9.20	9.20	34.035705	-118.371611	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	9.40	9.40	34.034979	-118.368206	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	9.60	9.60	34.034266	-118.364833	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	9.70	9.70	34.033982	-118.363142	unknown	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	6	10	W	9.75	9.75	34.033893	-118.362281	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	9.80	9.80	34.033838	-118.361418	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10.00	10.00	34.033922	-118.357942	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10.10	10.10	34.033981	-118.356206	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10.19	10.19	34.034063	-118.354641	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10.21	10.21	34.034082	-118.354293	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10.30	10.30	34.034163	-118.352727	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10.60	10.60	34.034418	-118.347496	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10.70	10.70	34.034501	-118.345752	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10.80	10.80	34.034574	-118.344014	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	13.30	13.30	34.037070	-118.300639	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	13.30	13.30	34.037070	-118.300639	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	13.32	13.32	34.037067	-118.300291	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	13.34	13.34	34.037062	-118.299942	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	13.50	13.50	34.037019	-118.297151	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	13.60	13.60	34.036993	-118.295406	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	13.70	13.70	34.036971	-118.293662	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	13.80	13.80	34.036950	-118.291917	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	90	E	1.10	1.10	33.983848	-118.439626	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	90	E	1.50	1.50	33.982391	-118.432608	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	90	E	1.80	1.80	33.981375	-118.427482	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	90	W	1.80	1.80	33.981375	-118.427482	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	90	E	1.84	1.84	33.981260	-118.426874	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	90	E	1.90	1.90	33.981083	-118.425989	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	90	E	2.00	2.00	33.980813	-118.424523	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	101	E	7.21	7.21	34.105655	-118.327695	3.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	S	21.60	21.60	34.040470	-118.273662	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	S	21.65	21.65	34.041300	-118.273927	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	21.70	21.70	34.041871	-118.273281	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	21.73	21.73	34.042209	-118.272737	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	21.78	21.78	34.043336	-118.272419	1.21	0.33	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	21.90	21.90	34.043983	-118.271590	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	21.90	21.90	34.044405	-118.271681	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	22.01	22.01	34.045428	-118.270057	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	S	22.24	22.24	34.047732	-118.267075	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	25.46	25.46	33.981759	-118.394392	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	25.46	25.46	33.982129	-118.393969	1.62	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	26.20	26.20	33.990823	-118.401534	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	26.30	26.30	33.992039	-118.402490	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	26.30	26.30	33.992209	-118.403220	2.4	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	26.47	26.47	33.993485	-118.404174	1.04	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	26.47	26.47	33.994094	-118.404123	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	29.41	29.41	34.028917	-118.432109	3.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	29.41	29.41	34.029747	-118.432342	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	30.14	30.14	34.038302	-118.439353	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	30.31	30.31	34.040401	-118.441006	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	31.38	31.38	34.053735	-118.450408	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	31.40	31.40	34.053971	-118.450597	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	31.48	31.48	34.054892	-118.451391	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	31.57	31.57	34.055929	-118.452285	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	31.63	31.63	34.056632	-118.452882	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	31.79	31.79	34.058585	-118.454431	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	31.90	31.90	34.059930	-118.455486	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	32.52	32.52	34.067224	-118.461787	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	33.02	33.02	34.073093	-118.466836	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	33.96	33.96	34.084731	-118.474761	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	34.60	34.60	34.094112	-118.476079	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	35.99	35.99	34.112917	-118.482112	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	36.15	36.15	34.115288	-118.481945	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	6	110	N	21.53	21.53	34.039863	-118.273632	4.43	1.4	unknown	unknown
Infiltration Basin	7	LA	4	6	405	N	30.20	30.20	34.039118	-118.439915	4.4	unknown	unknown	unknown
Infiltration Basin	7	LA	4	6	405	S	31.10	31.10	34.049820	-118.448736	14.23	unknown	unknown	unknown
Infiltration Basin	7	LA	4	6	405	S	31.54	31.54	34.054552	-118.452126	14.23	unknown	unknown	unknown
Infiltration Trench	7	LA	4	6	110	N	21.66	21.66	34.041750	-118.273223	1.45	0.39	unknown	unknown

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Treatment BMP List - Santa Monica Bay Beaches Bacteria TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	3	101		30.10	30.10	34.151144	-118.682466	3.5	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		30.502	30.502	34.150719	-118.689279	3.7	0.5	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		31.9	31.9	34.14095	-118.709374	2.98	0.69	unknown	unknown
Austin Sand Filter	7	LA	4	3	101	N	33	33	34.1382876	-118.727904	1.2	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101	S	33.4	33.4	34.1409856	-118.734015	1.7	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		33.404	33.404	34.141249	-118.733725	1.7	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101	S	33.8	33.8	34.1429172	-118.740043	1.1	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101	E	35.7	35.7	34.147428	-118.772733	1.8	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		36	36	34.147152	-118.777954	4.3	1.6	unknown	unknown
Austin Sand Filter	7	LA	4	3	101		38.005	38.005	34.151391	-118.811632	1.9	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	10	E	8.83	8.83	34.0362269	-118.378136	8.26	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	10	E	10.43	10.43	34.033493	-118.350948	3.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	10	E	10.43	10.43	34.0335269	-118.349765	3.67	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	10	E	13.46	13.46	34.0365207	-118.298852	2.75	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	90	W	1.251	1.251	33.983221	-118.437026	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	90	W	1.491	1.491	33.982422	-118.432768	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	90	W	1.584	1.584	33.982146	-118.431119	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	90	W	1.589	1.589	33.982127	-118.431032	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	90	W	2.494	2.494	33.987967	-118.401718	unknown	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	101	S	4.278	4.278	34.0787433	-118.289877	3.3	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	101	S	4.604	4.604	34.0807724	-118.295137	3.13	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	101	S	8.187	8.187	34.1164319	-118.337401	4.11	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	6	110	N	21.012	21.012	34.032127	-118.274423	1.57	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	M	0.099	0.099	34.1528603	-118.816317	0.24	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	0.97	0.97	34.1603048	-118.828456	1.76	0.44	unknown	unknown
Biofiltration Strip	7	VEN	4	3	101	N	1.16	1.16	34.1620154	-118.831071	1.57	0.48	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		29.797	29.797	34.150525	-118.677389	3.9	0.9	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		30.995	30.995	34.149096	-118.697239	2.3	0.7	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		30.995	30.995	34.149096	-118.697239	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		30.995	30.995	34.149096	-118.697239	0.3	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		31.303	31.303	34.145608	-118.700746	0.4	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		31.303	31.303	34.145608	-118.700746	0.5	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		31.303	31.303	34.145608	-118.700746	0.4	0.1	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		32.801	32.801	34.138138	-118.724561	1.5	0.5	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	S	33.7	33.7	34.1428754	-118.738339	1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		33.701	33.701	34.143162	-118.738307	1.3	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	S	33.8	33.8	34.1429227	-118.739975	0.3	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	N	33.9	33.9	34.1434392	-118.741733	1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		33.901	33.901	34.143175	-118.741824	1.5	0.5	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	N	34.2	34.2	34.1439184	-118.746849	1.9	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		34.201	34.201	34.14366	-118.746932	1.4	0.4	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		35.3	35.3	34.146635	-118.765794	1.1	0.2	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		36.799	36.799	34.146163	-118.791774	3.8	0.7	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	N	37	37	34.149174	-118.803052	0.28	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	N	37.185	37.185	34.1470196	-118.798384	0.6	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	N	37.4	37.4	34.148572	-118.801635	1.5	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	N	37.479	37.479	34.1492017	-118.803	0.4	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		37.499	37.499	34.148888	-118.803509	1.2	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	3	101		37.599	37.599	34.149397	-118.805143	1.8	0.9	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	S	37.6	37.6	34.149189	-118.805354	1.5	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	E	37.746	37.746	34.1497851	-118.807651	1.4	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	3	101	S	38	38	34.1507865	-118.810605	1.9	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	S	47.304	47.304	34.0343028	-118.688797	0.47	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	N	51.2	51.2	34.0292329	-118.756431	0.36	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	S	51.4	51.4	34.0276142	-118.75918	0.32	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	N	52.5	52.5	34.0259855	-118.778546	0.48	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	N	53.401	53.401	34.0217738	-118.792307	0.43	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	S	53.499	53.499	34.0211242	-118.793669	0.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	S	54.201	54.201	34.0222751	-118.806168	0.66	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	S	55.101	55.101	34.0164973	-118.819275	0.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	N	55.7	55.7	34.020738	-118.82846	1.12	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	1	S	57.6	57.6	34.035883	-118.854698	1.12	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	1	N	60.599	60.599	34.0431323	-118.906382	0.58	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	0.58	0.58	34.1562515	-118.823701	1.1	0.24	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	0.58	0.58	34.1567287	-118.823225	0.76	0.41	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	0.6	0.6	34.157743	-118.824517	0.41	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	N	0.68	0.68	34.1577179	-118.824592	0.57	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	1.05	1.05	34.1605138	-118.830081	0.33	0.05	unknown	unknown
Biofiltration Swale	7	VEN	4	3	101	S	1.11	1.11	34.161076	-118.830863	0.76	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		30.897	30.897	34.150208	-118.695929	0.8	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		30.995	30.995	34.149096	-118.697239	0.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		30.995	30.995	34.149096	-118.697239	2.1	1.3	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		31.398	31.398	34.144716	-118.702117	1.8	0.7	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		31.499	31.499	34.143921	-118.703547	1.8	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		31.601	31.601	34.143113	-118.704972	0.95	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		31.8	31.8	34.141562	-118.707859	2.7	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		31.8	31.8	34.141562	-118.707859	1.3	0.99	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		31.8	31.8	34.141562	-118.707859	1.3	0.99	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		32.001	32.001	34.140407	-118.710994	0.5	0.08	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		32.1	32.1	34.139865	-118.712637	3.3	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		32.1	32.1	34.139865	-118.712637	0.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		32.1	32.1	34.139865	-118.712637	0.5	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	33.5	33.5	34.1419345	-118.735382	1.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		33.503	33.503	34.142178	-118.735122	2.4	1.2	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	N	33.665	33.665	34.1433447	-118.737654	0.9	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	33.712	33.712	34.1423067	-118.738565	unknown	unknown	0.6	0.14
Biofiltration Swale	7	LA	4	3	101	N	33.8	33.8	34.1435165	-118.740011	0.7	unknown	unknown	unknown

Biofiltration Swale	7	LA	4	3	101		33.801	33.801	34.143188	-118.740066	0.5	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		33.801	33.801	34.143188	-118.740066	2	1.3	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	N	36	36	34.146065	-118.759233	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	N	36.1	36.1	34.147388	-118.779221	0.95	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	36.2	36.2	34.145945	-118.762706	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	36.2	36.2	34.14599	-118.763227	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		36.3	36.3	34.146765	-118.783152	3	2.9	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		37.499	37.499	34.148888	-118.803509	0.78	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	37.519	37.519	34.1482531	-118.804063	1.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101	S	37.531	37.531	34.1469353	-118.804663	0.93	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		37.702	37.702	34.149891	-118.80676	1.1	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	3	101		38.2	38.2	34.151391	-118.811632	0.9	0.1	unknown	unknown
Biofiltration Swale	7	LA	4	4	1	S	39.199	39.199	34.0386847	-118.553536	0.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	10	M	4.249	4.249	34.02776	-118.45415	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	10	W	5.281	5.281	34.030858	-118.436556	0.49	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	10	M	8.83	8.83	34.037092	-118.377816	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	10	M	9.143	9.143	34.035845	-118.372933	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	10	W	14.8	14.8	34.038641	-118.274641	0.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	10	W	21.6	21.6	34.040404	-118.272845	0.22	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	110	S	21.2	21.2	34.040918	-118.274191	1.278	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	110	N	21.201	21.201	34.034728	-118.274483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	110	S	21.201	21.201	34.034728	-118.274483	unknown	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	110		21.519	21.519	34.039722	-118.273772	0.24	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	6	110		21.78	21.78	34.0433375	-118.272417	1.21	0.33	unknown	unknown
Biofiltration Swale	7	LA	4	6	110	S	22.242	22.242	34.0477232	-118.267091	1.22	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	22.7	22.7	33.9521248	-118.369618	6.3	3.3	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	29.2	29.2	34.027173	-118.430301	8.52	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405		29.5	29.5	34.030821	-118.433196	7.42	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	29.9	29.9	34.035029	-118.437699	4	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	30.2	30.2	34.039118	-118.439915	3.1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	30.2	30.2	34.039118	-118.439915	5.6	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	30.9	30.9	34.047379	-118.447025	6.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	31.7	31.7	34.057417	-118.453517	7.75	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	32.6	32.6	34.068156	-118.462616	2.81	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	32.6	32.6	34.068156	-118.462616	3.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	N	32.9	32.9	34.071688	-118.465717	8.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	N	34.4	34.4	34.091039	-118.475644	6.46	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	34.9	34.9	34.098069	-118.477819	3.05	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	35.1	35.1	34.101011	-118.477751	7.24	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	6	405	S	36.2	36.2	34.116	-118.481895	3.84	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	1		22.1	22.1	33.875619	-118.395986	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	1	N	22.1	22.1	33.8756212	-118.395876	1.02	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	23	S	1.601	1.601	34.0564138	-118.897086	0.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	23	S	3.2	3.2	34.07271	-118.888273	0.32	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	10	23	S	3.3	3.3	34.0729868	-118.886955	0.07	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	27	S	0.1	0.1	34.0414691	-118.578686	0.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	27	S	1.501	1.501	34.0574337	-118.583568	0.15	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	27	N	7.2	7.2	34.1223316	-118.590544	0.28	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	27	N	8.8	8.8	34.133064	-118.598989	1.13	unknown	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	3	101	N	0.006	0.006	34.152358	-118.814716	unknown	4.37	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	6	10	S	5	6	34.03017	-118.441362	unknown	38.53	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	6	10	N	10.996	10.996	34.034743	-118.340552	unknown	2.6	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	6	101	N	6.144	6.144	34.096903	-118.31362	unknown	2.1	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	1	S	49.601	49.601	34.0336929	-118.728868	1.61	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	1	N	52.4	52.4	34.0259363	-118.777061	1.4	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	1	S	55.7	55.7	34.0207238	-118.828481	1.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	1	S	56.901	56.901	34.0315794	-118.844293	1.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	1	1		57.8	57.8	34.0361989	-118.858024	2.33	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	1	N	47.5	47.5	34.0349102	-118.692284	1.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	101		31.8	31.8	34.141562	-118.707859	5.1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	101		32.001	32.001	34.140407	-118.710994	2.2	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	101	N	33.5	33.5	34.1419322	-118.735382	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	3	101	N	33.8	33.8	34.143521	-118.740022	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.5	5.5	34.031391	-118.432775	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.59	5.59	34.031374	-118.430901	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.6	5.6	34.031105	-118.429599	1	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.6	5.6	34.0316	-118.43104	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.68	5.68	34.031391	-118.427932	3.4	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.7	5.7	34.031734	-118.429293	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.8	5.8	34.031754	-118.427581	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.85	5.85	34.031464	-118.426307	3.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.9	5.9	34.031755	-118.425842	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	5.98	5.98	34.031429	-118.42394	2.9	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	6.1	6.1	34.031771	-118.422376	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	6.17	6.17	34.031535	-118.420768	0.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	6.18	6.18	34.032073	-118.420698	0.8	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	6.2	6.2	34.031775	-118.420647	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	7.8	7.8	34.029694	-118.393216	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.06	8.06	34.031647	-118.389066	6.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.38	8.38	34.034437	-118.384856	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.4	8.4	34.034606	-118.384571	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.5	8.5	34.035175	-118.382911	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.6	8.6	34.036261	-118.381722	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.65	8.65	34.036572	-118.380951	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.66	8.66	34.036213	-118.380777	4.3	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	8.8	8.8	34.036411	-118.379415	9.6	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	9	9	34.036441	-118.375045	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	9	9	34.036441	-118.375045	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	9.1	9.1	34.036073	-118.373328	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	9.2	9.2	34.035705	-118.371611	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	9.4	9.4	34.034979	-118.368206	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	9.6	9.6	34.034266	-118.364833	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	9.7	9.7	34.033982	-118.363142	unknown	unknown	unknown	unknown

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Gross Solids Removal Device	7	LA	4	6	10	W	9.75	9.75	34.033893	-118.362281	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	9.8	9.8	34.033838	-118.361418	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10	10	34.033922	-118.357942	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10.1	10.1	34.033981	-118.356206	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10.19	10.19	34.034063	-118.354641	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10.21	10.21	34.034082	-118.354293	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10.3	10.3	34.034163	-118.352727	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10.6	10.6	34.034418	-118.347496	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10.7	10.7	34.034501	-118.345752	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	10.8	10.8	34.034574	-118.344014	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	W	13.3	13.3	34.03707	-118.300639	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	13.3	13.3	34.03707	-118.300639	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	13.32	13.32	34.037067	-118.300291	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	13.34	13.34	34.037062	-118.299942	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	13.5	13.5	34.037019	-118.297151	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	13.6	13.6	34.036993	-118.295406	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	13.7	13.7	34.036971	-118.293662	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	10	E	13.8	13.8	34.03695	-118.291917	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	90	E	1.1	1.1	33.983848	-118.439626	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	90	E	1.5	1.5	33.982391	-118.432608	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	90	E	1.8	1.8	33.981375	-118.427482	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	90	W	1.8	1.8	33.981375	-118.427482	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	90	E	1.84	1.84	33.98126	-118.426874	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	90	E	1.9	1.9	33.981083	-118.425989	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	90	E	2	2	33.980813	-118.424523	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	101	E	7.21	7.21	34.105655	-118.327695	3.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	S	21.6	21.6	34.04047	-118.273662	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	S	21.65	21.65	34.0413	-118.273927	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	21.7	21.7	34.041871	-118.273281	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	21.73	21.73	34.042209	-118.272737	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	21.779	21.779	34.0433359	-118.272419	1.21	0.33	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	21.9	21.9	34.043983	-118.27159	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	21.9	21.9	34.044405	-118.271681	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	N	22.01	22.01	34.045428	-118.270057	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	110	S	22.243	22.243	34.0477316	-118.267075	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	25.46	25.46	33.981759	-118.394392	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	25.46	25.46	33.982129	-118.393969	1.62	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	26.2	26.2	33.990823	-118.401534	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	26.3	26.3	33.992039	-118.40249	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	26.3	26.3	33.992209	-118.40322	2.4	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	26.47	26.47	33.993485	-118.404174	1.04	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	26.47	26.47	33.994094	-118.404123	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	29.41	29.41	34.028917	-118.432109	3.51	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	29.41	29.41	34.029747	-118.432342	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	30.136	30.136	34.038302	-118.439353	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	30.31	30.31	34.040401	-118.441006	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	31.38	31.38	34.053735	-118.450408	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	31.4	31.4	34.053971	-118.450597	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	31.48	31.48	34.054892	-118.451391	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	31.57	31.57	34.055929	-118.452285	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	31.63	31.63	34.056632	-118.452882	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	31.79	31.79	34.058585	-118.454431	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	31.9	31.9	34.05993	-118.455486	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	32.52	32.52	34.067224	-118.461787	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	33.02	33.02	34.073093	-118.466836	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	N	33.96	33.96	34.084731	-118.474761	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	34.6	34.6	34.094112	-118.476079	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	35.99	35.99	34.112917	-118.482112	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	6	405	S	36.15	36.15	34.115288	-118.481945	unknown	unknown	unknown	unknown
Infiltration Basin	7	LA	4	6	110	N	21.532	21.532	34.0398634	-118.273632	4.43	1.4	unknown	unknown
Infiltration Basin	7	LA	4	6	405	N	30.2	30.2	34.039118	-118.439915	4.4	unknown	unknown	unknown
Infiltration Basin	7	LA	4	6	405	S	31.1	31.1	34.04982	-118.448736	14.23	unknown	unknown	unknown
Infiltration Basin	7	LA	4	6	405	S	31.54	31.54	34.0545519	-118.452126	14.23	unknown	unknown	unknown
Infiltration Trench	7	LA	4	6	110	N	21.661	21.661	34.0417496	-118.273223	1.45	0.39	unknown	unknown

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Treatment BMP List - Santa Monica Bay Nearshore Offshore Debris TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	101		38.01	38.01	34.151391	-118.811632	1.9	unknown	unknown	unknown
Austin Sand Filter	7	LA	4	5	101	S	33.80	33.80	34.142917	-118.740043	1.1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	101	N	37.00	37.00	34.149174	-118.803052	0.28	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	101	N	37.19	37.19	34.147020	-118.798384	0.6	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	101	N	37.40	37.40	34.148572	-118.801635	1.5	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	101	N	37.48	37.48	34.149202	-118.803000	0.4	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	101		37.50	37.50	34.148888	-118.803509	1.2	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	1	101		37.60	37.60	34.149397	-118.805143	1.8	0.9	unknown	unknown
Biofiltration Strip	7	LA	4	1	101	S	37.60	37.60	34.149189	-118.805354	1.5	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	1	101	E	37.75	37.75	34.149785	-118.807651	1.4	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	2	101	M	0.10	0.10	34.152860	-118.816317	0.24	unknown	unknown	unknown
Biofiltration Strip	7	VEN	4	2	101	N	0.97	0.97	34.160305	-118.828456	1.76	0.44	unknown	unknown
Biofiltration Strip	7	VEN	4	2	101	N	1.16	1.16	34.162015	-118.831071	1.57	0.48	unknown	unknown
Biofiltration Strip	7	LA	4	2	101	S	38.00	38.00	34.150787	-118.810605	1.9	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	101	S	33.70	33.70	34.142875	-118.738339	1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		33.70	33.70	34.143162	-118.738307	1.3	0.3	unknown	unknown
Biofiltration Strip	7	LA	4	5	101	S	33.80	33.80	34.142923	-118.739975	0.3	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	101	N	33.90	33.90	34.143439	-118.741733	1	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	5	101		33.90	33.90	34.143175	-118.741824	1.5	0.5	unknown	unknown
Biofiltration Swale	7	LA	4	1	101		37.50	37.50	34.148888	-118.803509	0.78	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	1	101	S	37.52	37.52	34.148253	-118.804063	1.37	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	101	S	37.53	37.53	34.146935	-118.804663	0.93	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	101		37.70	37.70	34.149891	-118.806760	1.1	0.6	unknown	unknown
Biofiltration Swale	7	LA	4	1	101		38.20	38.20	34.151391	-118.811632	0.9	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	0.58	0.58	34.156252	-118.823701	1.1	0.24	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	N	0.58	0.58	34.156729	-118.823225	0.76	0.41	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	N	0.60	0.60	34.157743	-118.824517	0.41	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	N	0.68	0.68	34.157718	-118.824592	0.57	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	1.05	1.05	34.160514	-118.830081	0.33	0.05	unknown	unknown
Biofiltration Swale	7	VEN	4	2	101	S	1.11	1.11	34.161076	-118.830863	0.76	0.03	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	N	33.66	33.66	34.143345	-118.737654	0.9	0.13	unknown	unknown
Biofiltration Swale	7	LA	4	5	101	S	33.71	33.71	34.142307	-118.738565	unknown	unknown	0.6	0.14
Biofiltration Swale	7	LA	4	5	101	N	33.80	33.80	34.143517	-118.740011	0.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		33.80	33.80	34.143188	-118.740066	0.5	0.2	unknown	unknown
Biofiltration Swale	7	LA	4	5	101		33.80	33.80	34.143188	-118.740066	2	1.3	unknown	unknown
Biofiltration Swale	7	LA	4	7	27	S	0.10	0.10	34.041469	-118.578686	0.61	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	27	S	1.50	1.50	34.057434	-118.583568	0.15	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	27	N	7.20	7.20	34.122332	-118.590544	0.28	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	7	27	N	8.80	8.80	34.133064	-118.598989	1.13	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	1	S	47.30	47.30	34.034303	-118.688797	0.47	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	1	N	51.20	51.20	34.029233	-118.756431	0.36	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	1	S	51.40	51.40	34.027614	-118.759180	0.32	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	1	N	52.50	52.50	34.025985	-118.778546	0.48	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	1	N	53.40	53.40	34.021774	-118.792307	0.43	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	1	S	53.50	53.50	34.021124	-118.793669	0.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	9	1	S	54.20	54.20	34.022275	-118.806168	0.66	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	11	1	S	39.20	39.20	34.038685	-118.553536	0.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	13	1		22.10	22.10	33.875619	-118.395986	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	13	1	N	22.10	22.10	33.875621	-118.395876	1.02	unknown	unknown	unknown
DPP (Design Pollution Prevention)	7	VEN	4	2	101	N	0.01	0.01	34.152358	-118.814716	unknown	4.37	unknown	unknown
Gross Solids Removal Device	7	LA	4	5	101	N	33.80	33.80	34.143521	-118.740022	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	1	S	49.60	49.60	34.033693	-118.728868	1.61	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	9	1	N	52.40	52.40	34.025936	-118.777061	1.4	unknown	unknown	unknown

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Treatment BMP List - Scott River Temperature and Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Shasta River Dissolved Oxygen and Temperature TMDL

BMP Type	District	Regional Board	County Code	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	2	1	SIS	2	3	S	48.00	48.00	41.714048	-122.640901	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	2	3	S	48.01	48.01	41.714180	-122.640850	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	2	3	S	48.05	48.05	41.714717	-122.640654	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	2	3	S	48.90	48.90	41.726716	-122.637858	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	2	3	S	48.95	48.95	41.727371	-122.637434	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	2	3	S	49.06	49.06	41.728860	-122.636654	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	2	3	S	49.30	49.30	41.732211	-122.635500	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	2	3	S	49.57	49.57	41.736036	-122.634445	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	2	3	S	49.58	49.58	41.736175	-122.634409	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	2	5	N	44.30	44.30	41.685486	-122.635414	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	2	5	N	44.34	44.34	41.685970	-122.635784	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	2	5	N	44.48	44.48	41.687767	-122.636859	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	2	5	N	46.80	46.80	41.720250	-122.637719	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	2	263	N	49.85	49.85	41.752207	-122.629045	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	3	97	N	0.70	0.70	41.431727	-122.388514	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	3	97	N	1.04	1.04	41.436424	-122.387100	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	3	97	N	1.30	1.30	41.440191	-122.386117	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	3	97	N	1.48	1.48	41.441310	-122.383024	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	3	97	N	2.30	2.30	41.445842	-122.368058	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	3	97	N	2.50	2.50	41.447186	-122.365315	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	3	97	N	2.63	2.63	41.448481	-122.363794	unknown	unknown	unknown	unknown
Biofiltration Strip	2	1	SIS	3	97	N	2.70	2.70	41.449314	-122.363124	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	44.50	44.50	41.688041	-122.636984	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	44.60	44.60	41.689431	-122.637542	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	44.78	44.78	41.691949	-122.638511	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	44.98	44.98	41.694747	-122.639592	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	45.00	45.00	41.695025	-122.639700	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	45.16	45.16	41.697259	-122.640559	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	45.20	45.20	41.697820	-122.640776	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	45.35	45.35	41.699920	-122.641589	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	46.49	46.49	41.715988	-122.639597	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	46.50	46.50	41.716124	-122.639536	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	46.61	46.61	41.717629	-122.638869	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	46.90	46.90	41.721629	-122.637114	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	47.10	47.10	41.724395	-122.635898	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	47.25	47.25	41.726467	-122.634980	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	47.30	47.30	41.727156	-122.634673	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	47.56	47.56	41.730733	-122.633068	unknown	unknown	unknown	unknown
Biofiltration Swale	2	1	SIS	2	5	N	47.60	47.60	41.731296	-122.632819	unknown	unknown	unknown	unknown
Detention Basin	2	1	SIS	3	5	S	21.20	21.20	41.430393	-122.411038	unknown	unknown	unknown	unknown
Infiltration Basin	2	1	SIS	1	263	N	57.00	57.00	41.830235	-122.592784	unknown	unknown	unknown	unknown
Traction Sand Trap	2	1	SIS	1	5	N	28.70	28.70	41.517417	-122.473612	unknown	unknown	unknown	unknown
Traction Sand Trap	2	1	SIS	2	3	S	46.50	46.50	41.693577	-122.651449	unknown	unknown	unknown	unknown
Traction Sand Trap	2	1	SIS	3	5	S	16.70	16.70	41.387116	-122.375314	unknown	unknown	unknown	unknown
Traction Sand Trap	2	1	SIS	3	5	N	21.56	21.56	41.429383	-122.417277	unknown	unknown	unknown	unknown
Traction Sand Trap	2	1	SIS	3	5	N	22.16	22.16	41.430518	-122.427401	unknown	unknown	unknown	unknown

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Treatment BMP List - Sonoma Creek Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	4	SON	2	1	116	E	41.15	41.15	38.2288	-122.5311	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	12	E	29.786	29.786	38.3829	-122.5165	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	12	E	30.181	30.181	38.3777	-122.5134	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	42.3	42.3	38.23712	-122.517361	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	E	42.45	42.45	38.237	-122.5145	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	42.45	42.45	38.237	-122.5145	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	42.5	42.5	38.2369	-122.5135	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	42.5	42.5	38.2369	-122.5135	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	E	42.5	42.5	38.23693	-122.51353	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	42.5	42.5	38.23693	-122.51353	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	42.75	42.75	38.2366	-122.5088	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	42.8	42.8	38.236894	-122.507891	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	43	43	38.239824	-122.505485	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	43	43	38.24	-122.5058	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	43.1	43.1	38.2419	-122.5059	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	E	43.1	43.1	38.2419	-122.5059	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	E	43.2	43.2	38.2434	-122.5049	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	E	43.2	43.2	38.243406	-122.504913	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	E	43.75	43.75	38.2498	-122.4966	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	E	43.9	43.9	38.25042	-122.494892	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	E	44.1	44.1	38.2516	-122.4915	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	44.15	44.15	38.2519	-122.4906	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	E	44.2	44.2	38.252127	-122.489791	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	44.2	44.2	38.252127	-122.489791	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	44.25	44.25	38.2524	-122.4889	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	44.3	44.3	38.252684	-122.488091	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	44.35	44.35	38.2529	-122.4872	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	44.55	44.55	38.254	-122.484	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	E	44.6	44.6	38.2542	-122.4833	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	E	44.6	44.6	38.254334	-122.482939	unknown	unknown	unknown	unknown
Biofiltration Strip	4	SON	2	2	116	W	44.6	44.6	38.254334	-122.482939	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	2	12	E	29.912	29.912	38.3813	-122.5155	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	2	12	E	30.145	30.145	38.3782	-122.5136	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	2	12	W	30.657	30.657	38.3713	-122.516	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	2	116	W	43.8	43.8	38.2498	-122.4966	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	2	116	W	43.8	43.8	38.249806	-122.496583	unknown	unknown	unknown	unknown
Biofiltration Swale	4	SON	2	2	116	W	44	44	38.251024	-122.49321	unknown	unknown	unknown	unknown

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Treatment BMP List - South Fork Eel River Temperature and Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - South Fork Trinity River South Fork and Hayfork Creek Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Swale	2	TRI	1	5	3	N	6.60	6.60	40.551363	-123.191133	unknown	unknown	unknown	unknown
Detention Basin	2	TRI	1	4	36	W	21.90	21.90	40.389793	-123.251575	unknown	unknown	unknown	unknown
Detention Basin	2	TRI	1	5	3	S	18.10	18.10	40.595395	-123.015967	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	3		6.20	6.20	40.545649	-123.191158	unknown	unknown	unknown	unknown

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Treatment BMP List - Ten Mile River Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Trinity River Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Strip	1	HUM	1	1	96	E	6.20	6.20	41.002045	-123.648374	0.27	unknown	unknown	unknown
Biofiltration Strip	1	HUM	1	1	96	E	6.33	6.33	41.003839	-123.649310	0.14	unknown	unknown	unknown
Biofiltration Strip	1	HUM	1	1	96	E	6.38	6.38	41.004633	-123.649211	0.26	unknown	unknown	unknown
Biofiltration Swale	1	HUM	1	1	96	E	6.33	6.33	41.003836	-123.649297	0.19	3.9	unknown	unknown
Biofiltration Swale	1	HUM	1	1	96	E	6.38	6.38	41.004637	-123.649230	0.74	4.4	unknown	unknown
Biofiltration Swale	1	HUM	1	2	299	E	30.62	30.62	40.906213	-123.750374	0.68	11	unknown	unknown
Biofiltration Swale	2	TRI	1	5	299	W	69.62	69.62	40.654697	-122.762295	unknown	unknown	unknown	unknown
Other	2	TRI	1	4	3	N	32.85	32.85	40.752189	-122.915187	unknown	0.36	unknown	unknown
Other	2	TRI	1	4	3	N	33.43	33.43	40.755284	-122.908471	unknown	11.75	unknown	unknown
Other	2	TRI	1	4	3	S	34.12	34.12	40.751454	-122.898853	unknown	0.22	unknown	unknown
Other	2	TRI	1	4	3	S	36.84	36.84	40.781039	-122.893063	unknown	0.04	unknown	unknown
Other	2	TRI	1	4	3	S	36.93	36.93	40.782507	-122.893010	unknown	18.38	unknown	unknown
Other	2	TRI	1	4	3	S	37.37	37.37	40.789252	-122.893216	unknown	0.72	unknown	unknown
Other	2	TRI	1	4	3	N	37.55	37.55	40.791941	-122.893482	unknown	0.37	unknown	unknown
Other	2	TRI	1	4	3	N	37.76	37.76	40.794762	-122.892637	unknown	0.61	unknown	unknown
Other	2	TRI	1	4	3	S	37.81	37.81	40.795030	-122.891882	unknown	15.11	unknown	unknown
Other	2	TRI	1	4	3	S	37.99	37.99	40.795213	-122.889129	unknown	7.63	unknown	unknown
Other	2	TRI	1	4	3	N	38.42	38.42	40.801397	-122.889903	unknown	0.2	unknown	unknown
Other	2	TRI	1	4	3	N	38.58	38.58	40.803846	-122.890396	unknown	0.04	unknown	unknown
Other	2	TRI	1	4	3	S	38.76	38.76	40.804727	-122.888290	unknown	0.04	unknown	unknown
Other	2	TRI	1	4	3	S	38.82	38.82	40.805356	-122.887804	unknown	0.04	unknown	unknown
Other	2	TRI	1	4	3	S	39.55	39.55	40.814714	-122.891250	unknown	1.96	unknown	unknown
Other	2	TRI	1	4	3	S	39.72	39.72	40.817319	-122.891792	unknown	7.28	unknown	unknown
Traction Sand Trap	1	HUM	1	2	299		29.09	29.09	40.896543	-123.769694	unknown	unknown	unknown	unknown
Traction Sand Trap	1	HUM	1	2	299	E	34.08	34.08	40.918562	-123.699223	unknown	unknown	unknown	unknown
Traction Sand Trap	1	HUM	1	2	299	E	34.41	34.41	40.921741	-123.695169	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	4	299	W	51.02	51.02	40.736159	-122.948015	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	E	64.16	64.16	40.672531	-122.850962	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	66.48	66.48	40.668647	-122.812117	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	66.71	66.71	40.665959	-122.808965	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	66.77	66.77	40.665251	-122.808129	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	66.85	66.85	40.664307	-122.807014	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	67.10	67.10	40.662451	-122.803046	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	67.70	67.70	40.664749	-122.792074	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	67.81	67.81	40.665136	-122.790000	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	68.38	68.38	40.663683	-122.780224	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	68.73	68.73	40.658814	-122.777313	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	69.70	69.70	40.654289	-122.760878	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	69.71	69.71	40.654238	-122.760701	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	69.80	69.80	40.653931	-122.759082	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	70.67	70.67	40.648515	-122.748447	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	71.22	71.22	40.640515	-122.746933	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	71.35	71.35	40.638813	-122.745680	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	71.58	71.58	40.635814	-122.743445	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	71.90	71.90	40.633734	-122.739077	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	5	299	W	71.97	71.97	40.633756	-122.737939	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	6	3	S	46.90	46.90	40.852390	-122.825427	unknown	unknown	unknown	unknown
Traction Sand Trap	2	TRI	1	6	3		59.60	59.60	40.981402	-122.712120	unknown	unknown	unknown	unknown

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Treatment BMP List - Truckee River Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	3	PLA	6	3	28	S	6.65	6.65	39.261700	-120.071900	unknown	unknown	unknown	unknown
Biofiltration Swale	3.00	PLA	6.00	1.00	28.00	S	0.77	0.77	39.18	-120.14	unknown	unknown	unknown	unknown
Biofiltration Swale	3.00	PLA	6.00	1.00	28.00	M	0.78	0.78	39.18	-120.14	unknown	unknown	unknown	unknown
Biofiltration Swale	3.00	PLA	6.00	1.00	28.00	S	0.84	0.84	39.18	-120.14	unknown	unknown	unknown	unknown
Biofiltration Swale	3.00	PLA	6.00	1.00	28.00	M	0.86	0.86	39.18	-120.14	unknown	unknown	unknown	unknown
Biofiltration Swale	3.00	NEV	6.00	1.00	80.00	E	14.50	14.50	39.32	-120.20	unknown	unknown	unknown	unknown
Biofiltration Swale	3.00	NEV	6.00	1.00	80.00	W	17.25	17.25	39.34	-120.16	unknown	unknown	unknown	unknown
Biofiltration Swale	3.00	PLA	6.00	1.00	89.00	N	10.59	10.59	39.17	-120.18	unknown	unknown	unknown	unknown
Biofiltration Swale	3.00	PLA	6.00	1.00	89.00	N	11.32	11.32	39.17	-120.19	unknown	unknown	unknown	unknown
Biofiltration Swale	3.00	PLA	6.00	1.00	89.00	N	11.98	11.98	39.18	-120.19	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	10.72	10.72	39.33	-120.26	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	11.31	11.31	39.33	-120.25	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	15.75	15.75	39.33	-120.18	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	16.44	16.44	39.34	-120.17	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	16.70	16.70	39.34	-120.17	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	16.71	16.71	39.34	-120.17	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	16.71	16.71	39.34	-120.17	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	17.40	17.40	39.35	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	17.40	17.40	39.35	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	17.48	17.48	39.35	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	17.95	17.95	39.35	-120.15	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	18.23	18.23	39.35	-120.15	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	18.25	18.25	39.35	-120.15	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	18.35	18.35	39.36	-120.15	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	18.41	18.41	39.36	-120.14	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	18.46	18.46	39.36	-120.14	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	18.46	18.46	39.36	-120.14	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	18.50	18.50	39.36	-120.14	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	18.53	18.53	39.36	-120.14	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	18.61	18.61	39.36	-120.14	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	18.73	18.73	39.36	-120.14	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	18.86	18.86	39.36	-120.14	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	18.86	18.86	39.36	-120.14	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	18.95	18.95	39.36	-120.14	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	19.17	19.17	39.36	-120.13	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	19.26	19.26	39.36	-120.13	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	19.68	19.68	39.36	-120.12	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	19.75	19.75	39.36	-120.12	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	19.77	19.77	39.36	-120.12	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	19.80	19.80	39.36	-120.12	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	19.81	19.81	39.36	-120.12	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	19.85	19.85	39.36	-120.12	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	19.90	19.90	39.36	-120.12	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	19.96	19.96	39.36	-120.12	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.00	20.00	39.36	-120.12	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.02	20.02	39.36	-120.12	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.02	20.02	39.36	-120.12	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.05	20.05	39.36	-120.12	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.17	20.17	39.37	-120.12	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.35	20.35	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.35	20.35	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.42	20.42	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.42	20.42	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.46	20.46	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.63	20.63	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.67	20.67	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.67	20.67	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.68	20.68	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.68	20.68	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.76	20.76	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.76	20.76	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.76	20.76	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.76	20.76	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.77	20.77	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.81	20.81	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	20.90	20.90	39.37	-120.11	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	21.09	21.09	39.38	-120.10	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	21.11	21.11	39.38	-120.10	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	21.13	21.13	39.38	-120.10	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	21.20	21.20	39.38	-120.10	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	21.47	21.47	39.38	-120.10	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	21.61	21.61	39.38	-120.10	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	21.66	21.66	39.38	-120.10	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	21.74	21.74	39.38	-120.10	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	21.86	21.86	39.38	-120.09	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	21.90	21.90	39.38	-120.09	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	21.96	21.96	39.38	-120.09	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	22.23	22.23	39.38	-120.09	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	W	22.27	22.27	39.38	-120.09	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	22.31	22.31	39.38	-120.09	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	22.31	22.31	39.38	-120.09	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	22.31	22.31	39.38	-120.09	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	22.31	22.31	39.38	-120.09	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	22.31	22.31	39.38	-120.09	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	22.31	22.31	39.38	-120.09	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	W	22.36	22.36	39.38	-120.08	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	22.37	22.37	39.38	-120.08	unknown	unknown	unknown	unknown

Detention Basin	3.00	NEV	6.00	1.00	80.00	E	22.37	22.37	39.38	-120.08	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	22.37	22.37	39.38	-120.08	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	22.37	22.37	39.38	-120.08	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	22.37	22.37	39.38	-120.08	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	22.38	22.38	39.38	-120.08	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	22.40	22.40	39.38	-120.08	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	22.48	22.48	39.38	-120.08	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	W	22.81	22.81	39.38	-120.08	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	W	22.84	22.84	39.38	-120.08	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	23.34	23.34	39.38	-120.07	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	23.61	23.61	39.37	-120.07	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	23.78	23.78	39.37	-120.06	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	23.82	23.82	39.37	-120.06	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	24.36	24.36	39.37	-120.05	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	24.82	24.82	39.37	-120.05	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	24.88	24.88	39.37	-120.05	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	W	25.53	25.53	39.37	-120.03	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	W	26.74	26.74	39.39	-120.02	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	27.00	27.00	39.39	-120.02	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	E	27.03	27.03	39.39	-120.02	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	80.00	W	27.13	27.13	39.39	-120.03	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	89.00	S	0.53	0.53	39.32	-120.21	unknown	unknown	unknown	unknown
Detention Basin	3.00	PLA	6.00	1.00	89.00	S	13.25	13.25	39.20	-120.20	unknown	unknown	unknown	unknown
Detention Basin	3.00	PLA	6.00	1.00	89.00	S	13.32	13.32	39.20	-120.20	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00	S	0.01	0.01	39.34	-120.17	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00	S	0.27	0.27	39.34	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00	S	0.27	0.27	39.34	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00	N	0.30	0.30	39.34	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00		0.52	0.52	39.33	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00		0.52	0.52	39.33	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00		0.52	0.52	39.33	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00		0.52	0.52	39.33	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00	E	0.52	0.52	39.33	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00		0.52	0.52	39.33	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00		0.52	0.52	39.33	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00	N	1.00	1.00	39.33	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00	N	1.00	1.00	39.33	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00	N	1.00	1.00	39.33	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00	N	1.00	1.00	39.33	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00	N	1.00	1.00	39.33	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00	N	1.07	1.07	39.33	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00	S	1.09	1.09	39.32	-120.16	unknown	unknown	unknown	unknown
Detention Basin	3.00	NEV	6.00	1.00	267.00	N	1.38	1.38	39.32	-120.16	unknown	unknown	unknown	unknown
Infiltration Basin	3.00	PLA	6.00	1.00	28.00	M	0.96	0.96	39.18	-120.13	unknown	unknown	unknown	unknown
Infiltration Basin	3.00	NEV	6.00	1.00	80.00	W	25.25	25.25	39.37	-120.04	unknown	unknown	unknown	unknown
Infiltration Basin	3.00	PLA	6.00	1.00	89.00	N	13.59	13.59	39.20	-120.20	unknown	unknown	unknown	unknown
Infiltration Trench	3.00	NEV	6.00	3.00	267.00	S	1.56	1.56	39.32	-120.16	unknown	unknown	unknown	unknown
Infiltration Trench	3.00	NEV	6.00	3.00	267.00	N	1.56	1.56	39.32	-120.16	unknown	unknown	unknown	unknown
Infiltration Trench	3.00	NEV	6.00	3.00	267.00	N	1.72	1.72	39.32	-120.15	unknown	unknown	unknown	unknown
Other	3.00	PLA	6.00	1.00	80.00	E	16.26	16.26	39.34	-120.17	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	16.59	16.59	39.34	-120.17	unknown	unknown	unknown	unknown
Other	3.00	PLA	6.00	1.00	80.00	W	17.20	17.20	39.34	-120.16	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	17.34	17.34	39.35	-120.16	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	17.40	17.40	39.35	-120.16	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	17.48	17.48	39.35	-120.16	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	17.49	17.49	39.35	-120.16	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	17.58	17.58	39.35	-120.16	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	17.63	17.63	39.35	-120.15	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	17.72	17.72	39.35	-120.15	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	17.92	17.92	39.35	-120.15	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	18.02	18.02	39.35	-120.15	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	18.22	18.22	39.35	-120.15	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	18.27	18.27	39.36	-120.15	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	18.33	18.33	39.36	-120.15	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	18.34	18.34	39.36	-120.15	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	18.34	18.34	39.36	-120.15	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	18.36	18.36	39.36	-120.14	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	18.39	18.39	39.36	-120.14	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	18.39	18.39	39.36	-120.14	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	18.45	18.45	39.36	-120.14	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	18.49	18.49	39.36	-120.14	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	18.51	18.51	39.36	-120.14	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	18.56	18.56	39.36	-120.14	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	18.56	18.56	39.36	-120.14	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	18.60	18.60	39.36	-120.14	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	19.31	19.31	39.36	-120.13	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	19.37	19.37	39.36	-120.13	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	20.19	20.19	39.37	-120.12	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	20.61	20.61	39.37	-120.11	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	20.73	20.73	39.37	-120.11	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	20.73	20.73	39.37	-120.11	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	20.75	20.75	39.37	-120.11	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	20.83	20.83	39.37	-120.11	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	20.84	20.84	39.37	-120.11	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	21.13	21.13	39.38	-120.10	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	21.24	21.24	39.38	-120.10	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	21.31	21.31	39.38	-120.10	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	22.10	22.10	39.38	-120.09	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	22.28	22.28	39.38	-120.09	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	22.29	22.29	39.38	-120.09	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	22.30	22.30	39.38	-120.09	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	22.35	22.35	39.38	-120.08	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	22.37	22.37	39.38	-120.08	unknown	unknown	unknown	unknown

Other	3.00	NEV	6.00	1.00	80.00	E	22.42	22.42	39.38	-120.08	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	22.64	22.64	39.38	-120.08	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	22.82	22.82	39.38	-120.08	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	23.26	23.26	39.38	-120.07	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	23.84	23.84	39.37	-120.06	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	23.90	23.90	39.37	-120.06	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	24.32	24.32	39.37	-120.05	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	24.42	24.42	39.37	-120.05	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	24.91	24.91	39.37	-120.05	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	27.22	27.22	39.39	-120.03	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	E	27.54	27.54	39.40	-120.02	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	27.91	27.91	39.40	-120.02	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	80.00	W	27.98	27.98	39.40	-120.02	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	89.00	S	0.83	0.83	39.34	-120.17	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	89.00	N	0.83	0.83	39.34	-120.17	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	89.00	S	0.83	0.83	39.34	-120.17	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	89.00	N	0.83	0.83	39.34	-120.17	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	89.00	N	0.83	0.83	39.34	-120.17	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	89.00	N	0.83	0.83	39.34	-120.17	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	89.00	N	1.14	1.14	39.35	-120.17	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	267.00	N	0.09	0.09	39.34	-120.17	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	267.00	S	0.32	0.32	39.33	-120.16	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	267.00	S	0.32	0.32	39.33	-120.16	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	267.00	N	0.44	0.44	39.33	-120.16	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	267.00		0.52	0.52	39.33	-120.16	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	267.00	S	0.59	0.59	39.33	-120.16	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	267.00	N	0.70	0.70	39.33	-120.16	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	267.00	N	0.90	0.90	39.33	-120.16	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	1.00	267.00	N	1.27	1.27	39.32	-120.16	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	3.00	267.00	S	1.65	1.65	39.32	-120.15	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	3.00	267.00	N	1.65	1.65	39.32	-120.15	unknown	unknown	unknown	unknown
Other	3.00	NEV	6.00	3.00	267.00	N	1.72	1.72	39.32	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	28.00	W	0.62	0.62	39.17	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	28.00	E	0.93	0.93	39.18	-120.13	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	SIE	6.00	1.00	80.00	W	0.11	0.11	39.45	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	SIE	6.00	1.00	80.00	E	0.33	0.33	39.45	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	SIE	6.00	1.00	80.00	W	0.37	0.37	39.45	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	SIE	6.00	1.00	80.00	E	0.63	0.63	39.45	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	SIE	6.00	1.00	80.00	E	0.82	0.82	39.46	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	9.21	9.21	39.33	-120.29	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	9.36	9.36	39.33	-120.28	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	9.45	9.45	39.33	-120.28	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	9.56	9.56	39.33	-120.28	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	9.56	9.56	39.33	-120.28	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	9.66	9.66	39.33	-120.28	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	9.67	9.67	39.33	-120.28	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	9.67	9.67	39.33	-120.28	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	9.70	9.70	39.33	-120.28	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	9.95	9.95	39.33	-120.27	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	10.05	10.05	39.33	-120.27	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	10.05	10.05	39.33	-120.27	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	10.20	10.20	39.33	-120.27	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	10.20	10.20	39.33	-120.27	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	10.20	10.20	39.33	-120.27	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	10.22	10.22	39.33	-120.27	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	10.23	10.23	39.33	-120.27	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	10.37	10.37	39.33	-120.27	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	10.37	10.37	39.33	-120.27	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	10.38	10.38	39.33	-120.27	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	10.39	10.39	39.33	-120.27	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	10.40	10.40	39.33	-120.27	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	10.41	10.41	39.33	-120.27	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.32	11.32	39.33	-120.25	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.47	11.47	39.33	-120.25	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.50	11.50	39.33	-120.25	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.50	11.50	39.33	-120.25	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.51	11.51	39.33	-120.25	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.51	11.51	39.33	-120.25	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.51	11.51	39.33	-120.25	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.53	11.53	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.57	11.57	39.33	-120.25	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.60	11.60	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.60	11.60	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.60	11.60	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.60	11.60	39.33	-120.25	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.60	11.60	39.33	-120.25	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.63	11.63	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.65	11.65	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.66	11.66	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.66	11.66	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.67	11.67	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.67	11.67	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.67	11.67	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.70	11.70	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.73	11.73	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.73	11.73	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.73	11.73	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.73	11.73	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.73	11.73	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.76	11.76	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.76	11.76	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.76	11.76	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.80	11.80	39.33	-120.24	unknown	unknown	unknown	unknown

Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.80	11.80	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.80	11.80	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.80	11.80	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.81	11.81	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.84	11.84	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.86	11.86	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.86	11.86	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.86	11.86	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.86	11.86	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.88	11.88	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.89	11.89	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.89	11.89	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.89	11.89	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.92	11.92	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.94	11.94	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.94	11.94	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.96	11.96	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.96	11.96	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.96	11.96	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.97	11.97	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.97	11.97	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.97	11.97	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.98	11.98	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	11.98	11.98	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.98	11.98	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	11.98	11.98	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.01	12.01	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.02	12.02	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	12.04	12.04	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	12.04	12.04	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	12.04	12.04	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.04	12.04	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.05	12.05	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.05	12.05	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.05	12.05	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.07	12.07	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.08	12.08	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	12.10	12.10	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	12.10	12.10	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.10	12.10	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.10	12.10	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	12.11	12.11	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.12	12.12	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.15	12.15	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.15	12.15	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.15	12.15	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	12.17	12.17	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	12.17	12.17	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	12.17	12.17	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	12.18	12.18	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	12.18	12.18	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.19	12.19	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.19	12.19	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.19	12.19	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	12.22	12.22	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	12.22	12.22	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.22	12.22	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	12.22	12.22	39.33	-120.24	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	12.55	12.55	39.32	-120.23	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	13.15	13.15	39.32	-120.23	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	13.42	13.42	39.32	-120.22	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	13.42	13.42	39.32	-120.22	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	13.45	13.45	39.32	-120.22	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	13.45	13.45	39.32	-120.22	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	13.91	13.91	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	14.21	14.21	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	14.28	14.28	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	14.31	14.31	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	14.32	14.32	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	14.32	14.32	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	14.37	14.37	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	14.37	14.37	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	14.37	14.37	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	14.42	14.42	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	14.43	14.43	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	14.44	14.44	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	14.48	14.48	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	14.49	14.49	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	14.55	14.55	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	14.62	14.62	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	14.65	14.65	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	14.71	14.71	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	14.77	14.77	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	14.80	14.80	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	14.82	14.82	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	14.84	14.84	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	14.87	14.87	39.32	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	14.88	14.88	39.32	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.00	15.00	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	15.01	15.01	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	15.04	15.04	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.04	15.04	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.10	15.10	39.33	-120.19	unknown	unknown	unknown	unknown

Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.10	15.10	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.10	15.10	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.10	15.10	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.11	15.11	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	15.14	15.14	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	15.14	15.14	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.15	15.15	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.15	15.15	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.18	15.18	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	15.18	15.18	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.20	15.20	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	15.24	15.24	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.24	15.24	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	15.30	15.30	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.33	15.33	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.38	15.38	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.44	15.44	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.52	15.52	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	15.54	15.54	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	15.54	15.54	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	15.61	15.61	39.33	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.00	16.00	39.34	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	16.19	16.19	39.34	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.27	16.27	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	16.27	16.27	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.27	16.27	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.38	16.38	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	16.44	16.44	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	16.44	16.44	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.44	16.44	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.44	16.44	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.45	16.45	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.46	16.46	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.50	16.50	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.61	16.61	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	16.63	16.63	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.64	16.64	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.64	16.64	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.64	16.64	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.70	16.70	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.81	16.81	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.82	16.82	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	16.92	16.92	39.34	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	16.92	16.92	39.34	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	17.09	17.09	39.34	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	17.18	17.18	39.34	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	17.26	17.26	39.34	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	17.26	17.26	39.34	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	17.31	17.31	39.34	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	17.32	17.32	39.35	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	17.37	17.37	39.35	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	17.40	17.40	39.35	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	17.40	17.40	39.35	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	17.48	17.48	39.35	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	17.50	17.50	39.35	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	17.63	17.63	39.35	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	17.65	17.65	39.35	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	17.71	17.71	39.35	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	17.74	17.74	39.35	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	17.92	17.92	39.35	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	17.95	17.95	39.35	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.23	18.23	39.35	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	18.23	18.23	39.35	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.24	18.24	39.36	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	18.25	18.25	39.36	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	18.25	18.25	39.36	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.26	18.26	39.35	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.31	18.31	39.36	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.33	18.33	39.36	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	18.34	18.34	39.36	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.37	18.37	39.36	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	18.37	18.37	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.40	18.40	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.41	18.41	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	18.46	18.46	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.49	18.49	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.50	18.50	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.50	18.50	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.50	18.50	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	18.52	18.52	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.54	18.54	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.56	18.56	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	18.57	18.57	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	18.58	18.58	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.60	18.60	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.60	18.60	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.61	18.61	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.62	18.62	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	18.62	18.62	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.66	18.66	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	18.67	18.67	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.85	18.85	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.90	18.90	39.36	-120.14	unknown	unknown	unknown	unknown

Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.94	18.94	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	18.95	18.95	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.00	19.00	39.36	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.05	19.05	39.36	-120.13	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.05	19.05	39.36	-120.13	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.49	19.49	39.36	-120.13	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.50	19.50	39.36	-120.13	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.55	19.55	39.36	-120.13	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.58	19.58	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.58	19.58	39.36	-120.13	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.58	19.58	39.36	-120.13	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.60	19.60	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.63	19.63	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.63	19.63	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.65	19.65	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.65	19.65	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.65	19.65	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.67	19.67	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.67	19.67	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.67	19.67	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.70	19.70	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.71	19.71	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.72	19.72	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.74	19.74	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.75	19.75	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.76	19.76	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.77	19.77	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.77	19.77	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.78	19.78	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.79	19.79	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.79	19.79	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.79	19.79	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.80	19.80	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.81	19.81	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.81	19.81	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.84	19.84	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.85	19.85	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.85	19.85	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	19.90	19.90	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.91	19.91	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.91	19.91	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.96	19.96	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	19.96	19.96	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.01	20.01	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.01	20.01	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.04	20.04	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.04	20.04	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	20.05	20.05	39.36	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.06	20.06	39.37	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.06	20.06	39.37	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	20.17	20.17	39.37	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	20.22	20.22	39.37	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.22	20.22	39.37	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	20.23	20.23	39.37	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	20.23	20.23	39.37	-120.12	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	20.35	20.35	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.35	20.35	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	20.35	20.35	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.40	20.40	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.41	20.41	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	20.41	20.41	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.44	20.44	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.44	20.44	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	20.46	20.46	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.54	20.54	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	20.56	20.56	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.61	20.61	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.61	20.61	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	20.63	20.63	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.74	20.74	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	20.75	20.75	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.81	20.81	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	20.81	20.81	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.82	20.82	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.82	20.82	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	20.82	20.82	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	20.90	20.90	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	20.91	20.91	39.37	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.11	21.11	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.12	21.12	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.22	21.22	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.24	21.24	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.26	21.26	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.31	21.31	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.32	21.32	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.33	21.33	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.39	21.39	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.39	21.39	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.40	21.40	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.41	21.41	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.41	21.41	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.41	21.41	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.43	21.43	39.38	-120.10	unknown	unknown	unknown	unknown

Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.44	21.44	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.52	21.52	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.56	21.56	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.58	21.58	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.61	21.61	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.64	21.64	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.70	21.70	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.71	21.71	39.38	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.77	21.77	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.82	21.82	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.83	21.83	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.85	21.85	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.85	21.85	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.87	21.87	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.87	21.87	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.87	21.87	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.88	21.88	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.91	21.91	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.93	21.93	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.93	21.93	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.93	21.93	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	21.98	21.98	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	21.98	21.98	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.00	22.00	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.01	22.01	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.02	22.02	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.13	22.13	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.19	22.19	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.21	22.21	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.22	22.22	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.25	22.25	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.27	22.27	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.30	22.30	39.38	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.37	22.37	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.38	22.38	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.39	22.39	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.44	22.44	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.56	22.56	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.61	22.61	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.61	22.61	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.62	22.62	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.62	22.62	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.63	22.63	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.64	22.64	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.67	22.67	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.67	22.67	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.69	22.69	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.79	22.79	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.79	22.79	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.80	22.80	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.80	22.80	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.81	22.81	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.84	22.84	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.90	22.90	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.93	22.93	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.93	22.93	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.94	22.94	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.95	22.95	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	22.97	22.97	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	22.97	22.97	39.38	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.01	23.01	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.04	23.04	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.06	23.06	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.06	23.06	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	23.09	23.09	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	23.09	23.09	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	23.12	23.12	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	23.12	23.12	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.13	23.13	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.13	23.13	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.13	23.13	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	23.14	23.14	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.20	23.20	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.21	23.21	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	23.23	23.23	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.25	23.25	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.25	23.25	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	23.25	23.25	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.28	23.28	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.33	23.33	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	23.36	23.36	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.52	23.52	39.38	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	23.56	23.56	39.37	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.57	23.57	39.37	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	23.65	23.65	39.37	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.69	23.69	39.37	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	23.83	23.83	39.37	-120.06	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	23.83	23.83	39.37	-120.06	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.88	23.88	39.37	-120.06	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.91	23.91	39.37	-120.06	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	23.93	23.93	39.37	-120.06	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	23.96	23.96	39.37	-120.06	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.05	24.05	39.37	-120.06	unknown	unknown	unknown	unknown

Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.10	24.10	39.37	-120.06	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.19	24.19	39.37	-120.06	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.21	24.21	39.37	-120.06	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.24	24.24	39.37	-120.06	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.25	24.25	39.37	-120.06	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.28	24.28	39.37	-120.06	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.31	24.31	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.31	24.31	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.34	24.34	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.34	24.34	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.40	24.40	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.43	24.43	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.44	24.44	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.50	24.50	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.50	24.50	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.50	24.50	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.50	24.50	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.52	24.52	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.53	24.53	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.55	24.55	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.55	24.55	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.62	24.62	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.64	24.64	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.70	24.70	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.75	24.75	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.77	24.77	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.80	24.80	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.82	24.82	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.86	24.86	39.37	-120.05	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	24.91	24.91	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	24.92	24.92	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.04	25.04	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.09	25.09	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.09	25.09	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.14	25.14	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.23	25.23	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.23	25.23	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.25	25.25	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.25	25.25	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.26	25.26	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.26	25.26	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.26	25.26	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.29	25.29	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.29	25.29	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.29	25.29	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.31	25.31	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.35	25.35	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.46	25.46	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.46	25.46	39.37	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.53	25.53	39.37	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.53	25.53	39.37	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.54	25.54	39.37	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.57	25.57	39.37	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.60	25.60	39.37	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.61	25.61	39.37	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.62	25.62	39.37	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.65	25.65	39.37	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.66	25.66	39.37	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.69	25.69	39.37	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.76	25.76	39.37	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.76	25.76	39.37	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.80	25.80	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.80	25.80	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.80	25.80	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.84	25.84	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.85	25.85	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.86	25.86	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.87	25.87	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.92	25.92	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.93	25.93	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.93	25.93	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	25.99	25.99	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	25.99	25.99	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.01	26.01	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.03	26.03	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.03	26.03	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.06	26.06	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.06	26.06	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.13	26.13	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.13	26.13	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.17	26.17	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.23	26.23	39.38	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.28	26.28	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.40	26.40	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.41	26.41	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.43	26.43	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.44	26.44	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.48	26.48	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.53	26.53	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.54	26.54	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.54	26.54	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.54	26.54	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.55	26.55	39.38	-120.02	unknown	unknown	unknown	unknown

Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.57	26.57	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.60	26.60	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.63	26.63	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.63	26.63	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.66	26.66	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.66	26.66	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.71	26.71	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.72	26.72	39.38	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.74	26.74	39.39	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.74	26.74	39.39	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.79	26.79	39.39	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.82	26.82	39.39	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.83	26.83	39.39	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.89	26.89	39.39	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.89	26.89	39.39	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.90	26.90	39.39	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	26.95	26.95	39.39	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.95	26.95	39.39	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	26.99	26.99	39.39	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	27.04	27.04	39.39	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	27.05	27.05	39.39	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	27.06	27.06	39.39	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	27.06	27.06	39.39	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	27.09	27.09	39.39	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	27.12	27.12	39.39	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	27.14	27.14	39.39	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	27.16	27.16	39.39	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	27.21	27.21	39.39	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	27.27	27.27	39.39	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	27.31	27.31	39.39	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	27.43	27.43	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	27.44	27.44	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	27.53	27.53	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	27.53	27.53	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	27.56	27.56	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	27.60	27.60	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	27.65	27.65	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	27.69	27.69	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	27.73	27.73	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	27.74	27.74	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	27.81	27.81	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	27.81	27.81	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	27.91	27.91	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	27.94	27.94	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	27.94	27.94	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	27.97	27.97	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	27.99	27.99	39.40	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	28.13	28.13	39.40	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	28.18	28.18	39.40	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	28.26	28.26	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	28.34	28.34	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	28.38	28.38	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	28.43	28.43	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	28.44	28.44	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	28.48	28.48	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	28.49	28.49	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	28.52	28.52	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	28.54	28.54	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	28.57	28.57	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	28.61	28.61	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	28.64	28.64	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	28.64	28.64	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	28.64	28.64	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	28.65	28.65	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	28.73	28.73	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	28.73	28.73	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	28.83	28.83	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	28.84	28.84	39.41	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	28.86	28.86	39.42	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	28.89	28.89	39.42	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	28.89	28.89	39.42	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	28.92	28.92	39.42	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	28.95	28.95	39.42	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	28.98	28.98	39.42	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	28.99	28.99	39.42	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	29.29	29.29	39.42	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	29.32	29.32	39.42	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	29.34	29.34	39.42	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	29.38	29.38	39.42	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	29.49	29.49	39.42	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	29.50	29.50	39.42	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	29.50	29.50	39.42	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	29.62	29.62	39.42	-120.04	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	29.83	29.83	39.43	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	29.84	29.84	39.43	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	30.24	30.24	39.43	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	30.24	30.24	39.43	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	30.31	30.31	39.43	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	30.34	30.34	39.43	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	30.43	30.43	39.43	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	30.49	30.49	39.43	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	30.52	30.52	39.43	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	30.54	30.54	39.43	-120.03	unknown	unknown	unknown	unknown

Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	30.56	30.56	39.44	-120.03	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	30.74	30.74	39.44	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	30.78	30.78	39.44	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	30.79	30.79	39.44	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	30.99	30.99	39.44	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	W	31.07	31.07	39.44	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.26	31.26	39.44	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.28	31.28	39.44	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.31	31.31	39.44	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.34	31.34	39.44	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.36	31.36	39.44	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.39	31.39	39.44	-120.02	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.42	31.42	39.44	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.45	31.45	39.44	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.47	31.47	39.44	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.50	31.50	39.44	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.53	31.53	39.44	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.56	31.56	39.44	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.59	31.59	39.44	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.61	31.61	39.44	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.64	31.64	39.44	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.67	31.67	39.44	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.70	31.70	39.44	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.72	31.72	39.44	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.75	31.75	39.44	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	80.00	E	31.76	31.76	39.44	-120.01	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	N	0.41	0.41	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	S	0.42	0.42	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	N	0.42	0.42	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	N	0.44	0.44	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	N	0.48	0.48	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	S	0.48	0.48	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	N	0.48	0.48	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	S	0.49	0.49	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	S	0.51	0.51	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	N	0.51	0.51	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	N	0.55	0.55	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	S	0.55	0.55	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	N	0.58	0.58	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	N	0.58	0.58	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	N	0.58	0.58	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	S	0.60	0.60	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	N	0.61	0.61	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	N	0.61	0.61	39.32	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	N	0.70	0.70	39.33	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	89.00	N	1.10	1.10	39.35	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	7.43	7.43	39.15	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	7.43	7.43	39.15	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	7.61	7.61	39.15	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	7.61	7.61	39.15	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	7.61	7.61	39.15	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	7.78	7.78	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	7.84	7.84	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	7.84	7.84	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	7.90	7.90	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	7.92	7.92	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	8.03	8.03	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	8.03	8.03	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	8.06	8.06	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	8.08	8.08	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	8.08	8.08	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	8.20	8.20	39.16	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	8.25	8.25	39.16	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	8.29	8.29	39.16	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	8.29	8.29	39.16	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	8.29	8.29	39.16	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	8.29	8.29	39.16	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00		8.35	8.35	39.16	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00		8.35	8.35	39.16	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00		8.35	8.35	39.16	-120.14	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	8.67	8.67	39.17	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	8.69	8.69	39.17	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	8.69	8.69	39.17	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	8.71	8.71	39.17	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	8.72	8.72	39.17	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	8.73	8.73	39.17	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	8.74	8.74	39.17	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	8.77	8.77	39.17	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	8.77	8.77	39.17	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	8.77	8.77	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	8.79	8.79	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	8.80	8.80	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	8.82	8.82	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	9.00	9.00	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	9.02	9.02	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	9.08	9.08	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.15	9.15	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	9.15	9.15	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.15	9.15	39.16	-120.15	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.20	9.20	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.23	9.23	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.26	9.26	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.29	9.29	39.16	-120.16	unknown	unknown	unknown	unknown

Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.31	9.31	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.33	9.33	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.33	9.33	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.34	9.34	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	9.38	9.38	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.38	9.38	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.40	9.40	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.40	9.40	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.40	9.40	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.46	9.46	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.46	9.46	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	9.46	9.46	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	9.50	9.50	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.57	9.57	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	9.61	9.61	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	9.69	9.69	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	9.73	9.73	39.16	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.78	9.78	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.78	9.78	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.82	9.82	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.87	9.87	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	9.95	9.95	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	9.95	9.95	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	10.04	10.04	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	10.04	10.04	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	10.07	10.07	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	10.07	10.07	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	10.08	10.08	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	10.08	10.08	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	10.14	10.14	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	10.23	10.23	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	10.26	10.26	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	10.27	10.27	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	10.27	10.27	39.16	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	10.35	10.35	39.17	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	10.42	10.42	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	10.57	10.57	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	10.58	10.58	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	10.58	10.58	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	10.59	10.59	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	10.68	10.68	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	10.85	10.85	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	10.86	10.86	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	10.86	10.86	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	10.87	10.87	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	10.91	10.91	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	10.93	10.93	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	10.93	10.93	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	10.98	10.98	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.00	11.00	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	11.00	11.00	39.17	-120.18	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.16	11.16	39.17	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.16	11.16	39.17	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.18	11.18	39.17	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.20	11.20	39.17	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.27	11.27	39.17	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	11.28	11.28	39.17	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.29	11.29	39.17	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.30	11.30	39.17	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.33	11.33	39.17	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.33	11.33	39.17	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	11.36	11.36	39.17	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.36	11.36	39.17	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.36	11.36	39.17	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.58	11.58	39.18	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.64	11.64	39.18	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	11.68	11.68	39.18	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	11.68	11.68	39.18	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.70	11.70	39.18	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.75	11.75	39.18	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.77	11.77	39.18	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	11.77	11.77	39.18	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.80	11.80	39.18	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.84	11.84	39.18	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	11.97	11.97	39.18	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	11.97	11.97	39.18	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	12.06	12.06	39.18	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	12.07	12.07	39.18	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	12.35	12.35	39.19	-120.19	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	12.41	12.41	39.19	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	12.48	12.48	39.19	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	12.60	12.60	39.19	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	12.85	12.85	39.19	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	13.05	13.05	39.20	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	13.05	13.05	39.20	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	13.26	13.26	39.20	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	13.27	13.27	39.20	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	13.28	13.28	39.20	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	13.32	13.32	39.20	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	13.32	13.32	39.20	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	13.34	13.34	39.20	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	13.43	13.43	39.20	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	N	13.59	13.59	39.20	-120.20	unknown	unknown	unknown	unknown

Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	13.69	13.69	39.20	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	13.69	13.69	39.20	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	13.71	13.71	39.20	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	14.84	14.84	39.22	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	15.37	15.37	39.23	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	15.47	15.47	39.23	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	16.88	16.88	39.25	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	17.24	17.24	39.26	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	20.31	20.31	39.30	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	21.02	21.02	39.31	-120.21	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	1.00	89.00	S	21.39	21.39	39.31	-120.20	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	267.00	N	0.09	0.09	39.34	-120.17	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	267.00	S	0.27	0.27	39.34	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	267.00	N	0.32	0.32	39.33	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	267.00	E	0.33	0.33	39.33	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	267.00		0.52	0.52	39.33	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	267.00		0.52	0.52	39.33	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	267.00	N	1.07	1.07	39.33	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	1.00	267.00	N	1.38	1.38	39.32	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	NEV	6.00	3.00	267.00	N	1.60	1.60	39.32	-120.16	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	2.62	2.62	39.30	-120.11	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	3.08	3.08	39.30	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	3.43	3.43	39.29	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	3.53	3.53	39.29	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	3.81	3.81	39.29	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	4.00	4.00	39.28	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	4.01	4.01	39.28	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	4.14	4.14	39.28	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	4.28	4.28	39.28	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	4.41	4.41	39.28	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	4.51	4.51	39.28	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	4.62	4.62	39.28	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	4.74	4.74	39.27	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	4.85	4.85	39.27	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	5.02	5.02	39.27	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	5.02	5.02	39.27	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	5.02	5.02	39.27	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	5.11	5.11	39.27	-120.10	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	5.20	5.20	39.27	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	5.28	5.28	39.27	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	5.35	5.35	39.27	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	5.41	5.41	39.27	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	5.42	5.42	39.27	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	5.42	5.42	39.27	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	5.43	5.43	39.27	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	5.49	5.49	39.27	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	5.64	5.64	39.27	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	5.71	5.71	39.27	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	5.71	5.71	39.27	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	5.71	5.71	39.27	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	5.71	5.71	39.27	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	5.71	5.71	39.27	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	5.74	5.74	39.27	-120.09	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	5.83	5.83	39.27	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	N	6.01	6.01	39.27	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.16	6.16	39.27	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.17	6.17	39.27	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.17	6.17	39.27	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.17	6.17	39.27	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.17	6.17	39.27	-120.08	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.23	6.23	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.23	6.23	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.23	6.23	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.24	6.24	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.24	6.24	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.32	6.32	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.32	6.32	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.33	6.33	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.33	6.33	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.33	6.33	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.33	6.33	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.33	6.33	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.33	6.33	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.33	6.33	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.33	6.33	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.33	6.33	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.33	6.33	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.33	6.33	39.27	-120.07	unknown	unknown	unknown	unknown
Traction Sand Trap	3.00	PLA	6.00	3.00	267.00	S	6.33	6.33	39.27	-120.07	unknown	unknown	unknown	unknown

Treatment BMP List - Upper and Lower Newport Bay Organochlorine Compounds (DDT, Chlordane, and PCBs) TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Biofiltration Swale	12	ORA	8	3	55	N	5.444	5.444	33.680900	-117.878000	1.6	-	-	-

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Treatment BMP List - Upper Main Eel River and Tributaries (including Tomki Creek, Outlet Creek and Lake Pillsbury) Temperature and Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Upper Santa Clara River Chloride TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	LA	4	1	5	N	58.52	58.52	34.484019	-118.614702	10.02	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	5	N	49.60	49.60	34.369482	-118.559634	0.68	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	5	N	49.60	49.60	34.369482	-118.559634	1.55	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	5	S	50.17	50.17	34.376571	-118.564703	0.42	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	5	S	50.53	50.53	34.381299	-118.567343	0.54	unknown	unknown	unknown
Biofiltration Strip	7	LA	4	2	5		50.53	50.53	34.381353	-118.567387	0.75	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	5	N	55.39	55.39	34.443951	-118.606399	3.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	5	N	55.39	55.39	34.444058	-118.606439	0.74	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	5	N	55.39	55.39	34.444098	-118.606447	1.79	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	5	N	55.39	55.39	34.443908	-118.606475	1.23	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	5	S	55.57	55.57	34.444623	-118.608868	0.99	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	5	S	55.57	55.57	34.444654	-118.608822	2.84	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	5	S	55.57	55.57	34.444625	-118.608829	2.38	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	5	S	55.58	55.58	34.444648	-118.608832	7.35	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	5	N	55.83	55.83	34.446975	-118.610759	0.72	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	5	S	56.55	56.55	34.455272	-118.616366	0.83	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	5	N	56.55	56.55	34.455299	-118.615657	3.51	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	5	S	56.64	56.64	34.456610	-118.616329	1.14	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	5	S	56.68	56.68	34.457210	-118.616357	0.98	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	5	S	56.73	56.73	34.457922	-118.616138	2.31	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	126	W	4.65	4.65	34.432836	-118.621452	1.54	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	126	E	4.75	4.75	34.433978	-118.620207	1.96	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	126	W	4.75	4.75	34.433978	-118.620207	0.78	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	126	E	4.90	4.90	34.435479	-118.618139	0.41	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	126	E	4.90	4.90	34.435479	-118.618139	0.8	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	126	W	4.90	4.90	34.435479	-118.618139	0.29	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	126	W	4.90	4.90	34.435479	-118.618139	1.33	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	126	W	5.00	5.00	34.436360	-118.616447	1.53	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	126	E	5.10	5.10	34.437159	-118.614721	2.77	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	126	W	5.30	5.30	34.438791	-118.612316	0.84	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	1	126	E	5.30	5.30	34.438791	-118.612316	1.15	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	49.60	49.60	34.369482	-118.559634	2.95	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	49.60	49.60	34.369482	-118.559634	1.55	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	49.60	49.60	34.369551	-118.559286	1.51	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	50.23	50.23	34.377599	-118.564470	0.85	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	50.24	50.24	34.377588	-118.564507	1.75	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	50.39	50.39	34.379484	-118.566384	1.27	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	50.39	50.39	34.379623	-118.565716	0.55	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	50.48	50.48	34.380830	-118.566264	1.57	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	50.48	50.48	34.380799	-118.566400	2.94	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	51.01	51.01	34.388194	-118.570153	1.91	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	52.33	52.33	34.406532	-118.575235	3.2	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	52.33	52.33	34.406514	-118.575287	4.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	52.39	52.39	34.407350	-118.575563	1.13	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	52.41	52.41	34.407420	-118.576395	1	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	52.41	52.41	34.407485	-118.576170	2.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	52.41	52.41	34.407420	-118.576363	2.3	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	52.50	52.50	34.408705	-118.576773	0.64	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	52.50	52.50	34.408682	-118.576758	2.7	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	52.92	52.92	34.422359	-118.583305	0.89	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	52.94	52.94	34.422746	-118.582644	0.39	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	53.02	53.02	34.423488	-118.583916	0.39	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	53.03	53.03	34.423854	-118.583221	0.39	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	53.17	53.17	34.417857	-118.580981	9.14	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	53.18	53.18	34.417859	-118.580971	13.36	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	53.53	53.53	34.422909	-118.582792	1.58	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	53.53	53.53	34.422646	-118.583380	1.29	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	53.58	53.58	34.423354	-118.583805	1.27	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	53.59	53.59	34.423862	-118.583300	1.28	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	53.87	53.87	34.427207	-118.585904	1.95	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	54.22	54.22	34.431772	-118.588536	1.95	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	54.22	54.22	34.431813	-118.588483	1.23	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	54.42	54.42	34.433943	-118.591906	3.26	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	54.55	54.55	34.435527	-118.593820	0.97	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	S	54.55	54.55	34.435529	-118.593812	0.41	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	55.12	55.12	34.442000	-118.602495	0.67	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	55.12	55.12	34.441956	-118.602456	0.93	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	55.32	55.32	34.443650	-118.605640	2.41	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	5	N	55.33	55.33	34.443705	-118.605724	0.89	unknown	unknown	unknown
Biofiltration Swale	7	LA	4	2	14	N	27.85	27.85	34.376611	-118.493502	0.27	0.87	unknown	unknown
Biofiltration Swale	7	LA	4	2	14	N	28.58	28.58	34.383608	-118.485979	0.36	0.39	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	2	14	N	26.97	26.97	34.363835	-118.503939	1.39	0.05	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	2	14	N	27.00	27.00	34.364238	-118.503722	0.82	0.05	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	2	14	N	28.40	28.40	34.380708	-118.489562	1.57	1	unknown	unknown
DPPIA (Design Pollution Prevention Infiltration Area)	7	LA	4	2	14	N	28.58	28.58	34.382689	-118.487433	0.36	0.03	unknown	unknown
Delaware Sand Filter	7	LA	4	2	5	N	51.77	51.77	34.398884	-118.572000	1.6	unknown	unknown	unknown
Delaware Sand Filter	7	LA	4	2	5	N	52.43	52.43	34.408010	-118.575544	1.2	unknown	unknown	unknown
Delaware Sand Filter	7	LA	4	2	5	S	54.04	54.04	34.429380	-118.587112	2.37	unknown	unknown	unknown
Detention Basin	7	LA	4	1	126	E	4.48	4.48	34.430904	-118.623561	11.48	unknown	unknown	unknown
Detention Basin	7	LA	4	1	126	E	4.81	4.81	34.434597	-118.619420	6.29	unknown	unknown	unknown
Detention Basin	7	LA	4	1	126	E	4.86	4.86	34.435091	-118.618727	9.09	unknown	unknown	unknown
DPP (Design Pollution Prevention)	7	LA	4	2	14	N	29.20	29.20	34.388494	-118.479349	unknown	16.7	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	5	N	49.08	49.08	34.362978	-118.555387	unknown	unknown	unknown	unknown

Gross Solids Removal Device	7	LA	4	2	5	N	50.74	50.74	34.384362	-118.567799	1.21	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	5	N	50.74	50.74	34.384362	-118.567848	1.64	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	5	S	50.75	50.75	34.384328	-118.568492	1.48	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	5	S	50.75	50.75	34.384308	-118.568608	0.92	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	5	S	50.75	50.75	34.384324	-118.568557	0.82	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	5	N	50.99	50.99	34.388094	-118.569305	1.62	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	5	N	50.99	50.99	34.388085	-118.569346	1.18	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	5	S	51.56	51.56	34.395642	-118.572023	1.57	unknown	unknown	unknown
Gross Solids Removal Device	7	LA	4	2	5	N	52.49	52.49	34.408767	-118.576014	0.8	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	5	S	52.55	52.55	34.409372	-118.577154	3.2	unknown	unknown	unknown
Infiltration Basin	7	LA	4	2	5	S	54.43	54.43	34.433784	-118.592244	1.97	unknown	unknown	unknown
Infiltration Trench	7	LA	4	1	5	N	55.50	55.50	34.444843	-118.607544	1.73	unknown	unknown	unknown
Infiltration Trench	7	LA	4	2	14	N	26.15	26.15	34.352562	-118.504606	0.74	2.34	unknown	unknown
Infiltration Trench	7	LA	4	2	14	N	26.23	26.23	34.353813	-118.505032	0.71	1.04	unknown	unknown
Infiltration Trench	7	LA	4	2	14	N	26.56	26.56	34.358408	-118.506102	1.43	unknown	unknown	unknown
Infiltration Trench	7	LA	4	2	14	N	27.07	27.07	34.365345	-118.503103	0.38	0.17	unknown	unknown
Infiltration Trench	7	LA	4	2	14	N	27.09	27.09	34.365681	-118.501767	0.69	0.68	unknown	unknown
Infiltration Trench	7	LA	4	2	14	N	27.13	27.13	34.366747	-118.502202	1.32	0.87	unknown	unknown
Infiltration Trench	7	LA	4	2	14	N	27.81	27.81	34.376467	-118.494233	1.19	0.83	unknown	unknown
Infiltration Trench	7	LA	4	2	14	N	27.85	27.85	34.376611	-118.493620	0.27	0.6	unknown	unknown
Infiltration Trench	7	LA	4	2	14	S	28.01	28.01	34.379225	-118.492902	2.72	1.03	unknown	unknown

Treatment BMP List - Van Duzen River and Yager Creek Sediment TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
No BMPs Proposed														

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Treatment BMP List - Ventura River and its Tributaries Nutrients TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	VEN	4	1	33	S	4.16	4.16	34.336769	-119.292879	3.38	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	1	33	S	4.69	4.69	34.344352	-119.294073	3.18	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	1	33	S	5.34	5.34	34.350639	-119.301649	2.42	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	1	33	S	5.61	5.61	34.352430	-119.306068	2.07	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	1	33		0.10	0.10	34.280651	-119.305834	0.6	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	1	33		10.00	10.00	34.413262	-119.294658	0.62	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	1	33		10.60	10.60	34.421287	-119.290718	2.21	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	1	33		12.00	12.00	34.447159	-119.270880	0.65	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	1	33		12.80	12.80	34.456477	-119.278276	1.81	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	1	101		30.90	30.90	34.279013	-119.305975	1.1	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	1	101		30.90	30.90	34.279013	-119.305975	3.3	2.7	unknown	unknown
Biofiltration Swale	7	VEN	4	1	101		31.39	31.39	34.281778	-119.314811	2.1	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	1	101	W	31.48	31.48	34.282086	-119.315559	0.9	0.7	unknown	unknown
Biofiltration Swale	7	VEN	4	1	150	W	11.10	11.10	34.418677	-119.337726	1	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	21.81	21.81	34.524208	-119.274146	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	22.84	22.84	34.532044	-119.263071	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	22.90	22.90	34.530841	-119.264664	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	22.96	22.96	34.531563	-119.263709	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	23.42	23.42	34.535102	-119.257695	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	23.48	23.48	34.535643	-119.256801	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	24.01	24.01	34.535912	-119.247389	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	24.38	24.38	34.534501	-119.245885	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	24.50	24.50	34.533064	-119.246273	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	0.39	0.39	34.284581	-119.305882	2.42	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	0.68	0.68	34.288701	-119.307294	1.96	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	0.77	0.77	34.290097	-119.307490	0.69	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	0.82	0.82	34.290909	-119.307205	0.63	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	0.89	0.89	34.291894	-119.306882	0.78	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	0.96	0.96	34.292921	-119.306462	1.62	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	1.14	1.14	34.295314	-119.305349	1.96	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	1.19	1.19	34.295972	-119.305027	2.57	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	1.56	1.56	34.300914	-119.302593	1.12	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	1.66	1.66	34.302160	-119.301840	2.18	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	1.96	1.96	34.306053	-119.299529	2.25	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	1.96	1.96	34.306296	-119.299092	2.25	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.05	2.05	34.307237	-119.298733	2.88	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.05	2.05	34.307611	-119.298600	1.01	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.15	2.15	34.308681	-119.298217	1.03	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.15	2.15	34.309028	-119.298018	1.03	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.28	2.28	34.310423	-119.297425	2.93	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.28	2.28	34.310825	-119.297114	2.93	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.87	2.87	34.318093	-119.292934	1.36	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.91	2.91	34.318644	-119.292809	0.69	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.96	2.96	34.319357	-119.292730	0.37	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.01	3.01	34.320075	-119.292743	0.58	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.07	3.07	34.320937	-119.292747	0.99	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.15	3.15	34.322093	-119.292785	1.11	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.15	3.15	34.322447	-119.292798	1.11	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.30	3.30	34.324270	-119.292968	1.03	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.37	3.37	34.325321	-119.292791	0.84	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.43	3.43	34.326191	-119.292826	0.47	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.47	3.47	34.326724	-119.292793	0.41	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.57	3.57	34.328192	-119.293048	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.73	3.73	34.330523	-119.292998	2.62	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.91	3.91	34.333149	-119.292865	1.24	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.91	3.91	34.333396	-119.292862	1.24	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	4.08	4.08	34.335765	-119.292834	1.24	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	4.80	4.80	34.345713	-119.295172	0.75	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	4.84	4.84	34.346110	-119.295528	0.51	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	4.89	4.89	34.346674	-119.296031	1.22	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	5.06	5.06	34.348535	-119.297923	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	5.15	5.15	34.349411	-119.299051	1.36	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	5.15	5.15	34.349422	-119.299067	1.36	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	N	5.88	5.88	34.355662	-119.308166	1.26	unknown	unknown	unknown
Infiltration Basin	7	VEN	4	1	33	S	2.67	2.67	34.315869	-119.294487	1.57	unknown	unknown	unknown
Infiltration Basin	7	VEN	4	1	33	N	2.72	2.72	34.316152	-119.293558	1.57	unknown	unknown	unknown
Infiltration Basin	7	VEN	4	1	33	S	2.73	2.73	34.316475	-119.293898	1.57	unknown	unknown	unknown
Other	7	VEN	4	1	150	W	7.74	7.74	34.396664	-119.355269	unknown	unknown	unknown	unknown
Other	7	VEN	4	1	150	W	7.82	7.82	34.397583	-119.356334	unknown	unknown	unknown	unknown

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Treatment BMP List - Ventura River Estuary Trash TMDL

BMP Type	District	County Code	Regional Board	Reach Number	Route	Direction	BPM	EPM	Latitude	Longitude	Total Impervious Area Inside of Caltrans Right-Of Way	Total Pervious Area Inside of Caltrans Right-Of Way	Total Impervious Area Outside of Caltrans Right-Of Way	Total Pervious Area Outside of Caltrans Right-Of Way
Austin Sand Filter	7	VEN	4	1	33	S	4.16	4.16	34.336769	-119.292879	3.38	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	1	33	S	4.69	4.69	34.344352	-119.294073	3.18	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	1	33	S	5.34	5.34	34.350639	-119.301649	2.42	unknown	unknown	unknown
Austin Sand Filter	7	VEN	4	1	33	S	5.61	5.61	34.352430	-119.306068	2.07	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	1	33		0.10	0.10	34.280651	-119.305834	0.6	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	1	33		10.00	10.00	34.413262	-119.294658	0.62	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	1	33		10.60	10.60	34.421287	-119.290718	2.21	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	1	33		12.00	12.00	34.447159	-119.270880	0.65	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	1	33		12.80	12.80	34.456477	-119.278276	1.81	unknown	unknown	unknown
Biofiltration Swale	7	VEN	4	1	101		30.90	30.90	34.279013	-119.305975	1.1	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	1	101		30.90	30.90	34.279013	-119.305975	3.3	2.7	unknown	unknown
Biofiltration Swale	7	VEN	4	1	101		31.39	31.39	34.281778	-119.314811	2.1	0.1	unknown	unknown
Biofiltration Swale	7	VEN	4	1	101	W	31.48	31.48	34.282086	-119.315559	0.9	0.7	unknown	unknown
Biofiltration Swale	7	VEN	4	1	150	W	11.10	11.10	34.418677	-119.337726	1	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	21.81	21.81	34.524208	-119.274146	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	22.84	22.84	34.532044	-119.263071	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	22.90	22.90	34.530841	-119.264664	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	22.96	22.96	34.531563	-119.263709	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	23.42	23.42	34.535102	-119.257695	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	23.48	23.48	34.535643	-119.256801	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	24.01	24.01	34.535912	-119.247389	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	24.38	24.38	34.534501	-119.245885	unknown	unknown	unknown	unknown
Detention Basin	7	VEN	4	1	33	S	24.50	24.50	34.533064	-119.246273	unknown	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	0.39	0.39	34.284581	-119.305882	2.42	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	0.68	0.68	34.288701	-119.307294	1.96	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	0.77	0.77	34.290097	-119.307490	0.69	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	0.82	0.82	34.290909	-119.307205	0.63	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	0.89	0.89	34.291894	-119.306882	0.78	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	0.96	0.96	34.292921	-119.306462	1.62	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	1.14	1.14	34.295314	-119.305349	1.96	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	1.19	1.19	34.295972	-119.305027	2.57	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	1.56	1.56	34.300914	-119.302593	1.12	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	1.66	1.66	34.302160	-119.301840	2.18	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	1.96	1.96	34.306053	-119.299529	2.25	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	1.96	1.96	34.306296	-119.299092	2.25	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.05	2.05	34.307237	-119.298733	2.88	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.05	2.05	34.307611	-119.298600	1.01	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.15	2.15	34.308681	-119.298217	1.03	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.15	2.15	34.309028	-119.298018	1.03	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.28	2.28	34.310423	-119.297425	2.93	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.28	2.28	34.310825	-119.297114	2.93	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.87	2.87	34.318093	-119.292934	1.36	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.91	2.91	34.318644	-119.292809	0.69	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	2.96	2.96	34.319357	-119.292730	0.37	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.01	3.01	34.320075	-119.292743	0.58	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.07	3.07	34.320937	-119.292747	0.99	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.15	3.15	34.322093	-119.292785	1.11	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.15	3.15	34.322447	-119.292798	1.11	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.30	3.30	34.324270	-119.292968	1.03	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.37	3.37	34.325321	-119.292791	0.84	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.43	3.43	34.326191	-119.292826	0.47	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.47	3.47	34.326724	-119.292793	0.41	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.57	3.57	34.328192	-119.293048	1.7	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.73	3.73	34.330523	-119.292998	2.62	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.91	3.91	34.333149	-119.292865	1.24	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	3.91	3.91	34.333396	-119.292862	1.24	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	4.08	4.08	34.335765	-119.292834	1.24	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	4.80	4.80	34.345713	-119.295172	0.75	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	4.84	4.84	34.346110	-119.295528	0.51	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	4.89	4.89	34.346674	-119.296031	1.22	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	5.06	5.06	34.348535	-119.297923	1.41	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	5.15	5.15	34.349411	-119.299051	1.36	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	S	5.15	5.15	34.349422	-119.299067	1.36	unknown	unknown	unknown
Gross Solids Removal Device	7	VEN	4	1	33	N	5.88	5.88	34.355662	-119.308166	1.26	unknown	unknown	unknown
Infiltration Basin	7	VEN	4	1	33	S	2.67	2.67	34.315869	-119.294487	1.57	unknown	unknown	unknown
Infiltration Basin	7	VEN	4	1	33	N	2.72	2.72	34.316152	-119.293558	1.57	unknown	unknown	unknown
Infiltration Basin	7	VEN	4	1	33	S	2.73	2.73	34.316475	-119.293898	1.57	unknown	unknown	unknown
Other	7	VEN	4	1	150	W	7.74	7.74	34.396664	-119.355269	unknown	unknown	unknown	unknown
Other	7	VEN	4	1	150	W	7.82	7.82	34.397583	-119.356334	unknown	unknown	unknown	unknown

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