

**California Department of Transportation  
Stormwater Management Program  
District 12 Work Plan**

Fiscal Year  
**2014–2015**

CTSW-RT-13-286.12.2



California Department of Transportation  
Division of Environmental Analysis  
Stormwater Management Program  
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<http://www.dot.ca.gov/hq/env/stormwater>

October 1, 2013



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**California Department of Transportation  
District 12 Certification  
District Work Plan 2014-15**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. [40 CFR 122.22(d)]



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**Ryan Chamberlain**

**District 12**

8/30/13

**Date**

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# 1 Introduction

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## General Information about the District Work Plan

The District Work Plans (DWPs) describe the organization of each California Department of Transportation (Caltrans) District's stormwater program and outline the planned stormwater activities for the upcoming fiscal year. They are prepared and submitted on October 1 each year. Since the DWP is District-specific, each Regional Water Quality Control Board (RWQCB or Regional Board) is provided a copy of the DWPs relevant to their jurisdiction.

This DWP presents information about District 12's water bodies, Best Management Practices (BMPs), and monitoring programs. It describes how the District will specifically implement the requirements of the Statewide Stormwater Management Plan (SWMP) during fiscal year 2014-15. Implementation activities will be conducted in accordance with the procedures presented in the SWMP.

The DWP's seven sections describe how the District plans to implement the stormwater program during the upcoming fiscal year. Section 1 introduces the DWP, describes its organizational structure, and identifies the key goals and commitments made by the District for the upcoming fiscal year. Section 2 describes the personnel with stormwater operations responsibilities in the District. In Section 3, the District's facilities are listed and categorized by type and location. Section 4 describes and identifies the locations where spills from the District's owned rights-of-way, activities, roadways or facilities can discharge directly to a drinking water reservoir or groundwater recharge facility. In Section 5, the District's road segments prone to erosion are identified. Section 6 summarizes the District's implementation activities, including projects that will be in the design and construction phases during the fiscal year, as well as the planned activities associated with municipal coordination, stormwater monitoring, and public education. Section 7 identifies the planned region-specific activities to address the total maximum daily loads (TMDLs) for which the District has been named a stakeholder, and other region-specific requirements where applicable.

## District Goals and Commitments

District 12 has a continuous training program for Design, Construction, Permits, and Maintenance staff on stormwater issues. This training includes tailgate meetings and formal classes on specific stormwater management strategies and activities. The District will be coordinating with Caltrans Headquarters to ensure that the District will be in compliance with the new requirements of the recently adopted permit. In addition, the District will be involved with assisting Headquarters in the development of the Statewide Stormwater Management Plan (SWMP), TMDL Coordination and the ASBS Compliance Plan. In coordination with Caltrans Headquarters developed policies, the District NPDES Stormwater Coordinator will ensure that District staff is updated with the new NPDES permit requirements and provide adequate training to achieve compliance with the permit.

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## **2 District Personnel and Responsibilities**

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Section 2 of the DWP describes positions, addresses, and telephone numbers of personnel with responsibilities for stormwater operations within the District. This section also identifies positions having signatory authority for various notifications or documents required for submittal by a District (e.g., Project Registration Documents, including a Notice of Intent or NOI).

### **District NPDES Stormwater Coordinator**

Under the general direction of the Deputy District Director for Environmental Analysis, the District Stormwater Coordinator (DSWC) is responsible for developing District stormwater quality policies and guidance, and daily management of the District's stormwater quality program. The DSWC is responsible for identifying issues and developing recommendations related to stormwater quality, regulated wastes, and other environmental issues that affect the District. The DSWC supervises staff, which supports and executes activities of the DSWC and the Stormwater Program. The specific stormwater tasks for which the DSWC is responsible include the following:

- Provides guidance and direction for the preparation, development, and implementation of a comprehensive District Stormwater Program, as described in the DWP.
- Oversees activities related to notification procedures for reuse of soil containing lead in accordance with variances issued by the Department of Toxic Substances Control (DTSC).
- Ensures the accuracy and adequacy of the stormwater workload allocations for each fiscal year.
- Coordinates and tracks resource distributions, workloads, and projects within the District.
- Assists the District's functional units in prioritizing, monitoring, tracking, and evaluating stormwater resources, activities, and operations.
- Implements a quality assurance and quality control program for monitoring the activities of the District's functional units, in order to ensure that the conditions of Caltrans' NPDES Permit, SWMP, and DWP are implemented properly.
- Provides guidance and direction necessary to develop strategies for addressing regulations and mandates on stormwater and waste discharges set forth by federal, state, and local regulatory agencies.
- Serves as primary contact on stormwater and waste discharge issues between the District and Headquarters, the RWQCBs, U.S. Environmental Protection Agency, and other agencies.
- Represents the District at the Stormwater Advisory Teams (SWATs) identified in the SWMP.
- Monitors and evaluates the stormwater activities and procedures of municipalities, developers, and other agencies.
- Arbitrates disputes and disagreements on policies, activities, assignments, and responsibilities regarding stormwater issues.
- Establishes impartial and equitable decisions that benefit Caltrans in attaining the objectives of the Stormwater Program.
- Works as a leader and chairperson of the District NPDES Coordination Team.

## **NPDES Stormwater Unit**

Under the direction of the DSWC, the NPDES Stormwater Unit provides technical support to District staff on water quality issues. The specific stormwater tasks for which the NPDES Stormwater Unit is responsible include the following:

- Evaluates and recommends temporary, permanent control and treatment measures for addressing project stormwater impacts.
- Identifies costs related to water pollution control, non-stormwater discharges, and waste management on programming documents.
- Develops new specifications, details, and guidance materials related to non-stormwater discharges and waste management.
- Prepares contract specifications and estimates to address the development of Stormwater Pollution Prevention Plans (SWPPPs).
- Prepares contract plans, specifications, and estimates (PS&E) to address temporary controls for non-stormwater discharges and waste management activities.
- Prepares or assists in the preparation of the contract PS&E to include permanent control measures to improve or minimize water quality impacts.
- Assists the District Permits Branch in evaluating water quality impacts and requirements of encroachment permit applications.

## **Environmental Liaison**

The Environmental Liaison (EL) is responsible for communicating with the DSWC for the proper implementation of the environmental portion of the SWMP and DWP. The EL ensures that the staff supports and properly executes the activities defined in the SWMP and DWP, especially the responsibilities applicable to the EL. The specific stormwater tasks for which the EL is responsible include the following:

- Evaluates stormwater impacts during California Environmental Quality Act and/or National Environmental Policy Act (CEQA/NEPA) screening.
- Provides Water Quality Analysis Report (WQAR) as determined by the Environmental Document.

The Environmental Liaison reports all stormwater related environmental activities to the District NPDES Coordination Team.

## **Maintenance Coordinator**

The Maintenance Stormwater Coordinator (MSWC) is responsible for communicating with the District Division Chief (DDC) of Maintenance and the DSWC regarding the proper implementation of maintenance-related sections of the SWMP and DWP. The MSWC reports all stormwater related maintenance activities to the District NPDES Coordination team and coordinates stormwater training for maintenance staff as well as overseeing inspection of maintenance facilities and operations relative to NPDES Permit compliance. The MSWC serves as the conduit for information between the District NPDES Coordination Team and the Maintenance Construction Coordinator.

## **Construction Stormwater Coordinator**

Under the general direction of the Division of Construction, the Construction Stormwater Coordinator (CSWC) is responsible for facilitating proper implementation of the SWMP and the DWP in construction. The CSWC coordinates all issues that involve overall compliance within the District for stormwater pollution prevention during the construction phase. The specific tasks for which the CSWC is responsible include:

- Coordinates and tracks water pollution control training of construction staff.
- Assists Resident Engineers with review of Stormwater Pollution Prevention Plan (SWPPP) and Water Pollution Control Plan (WPCP).
- Assists the Construction Resident Engineer in providing the DSWC approved SWPPPs to the RWQCBs as requested.
- Attends or schedules CSWC representatives to participate in and attend compliance inspections for SWPPP/WPCP projects.
- Prepares Water Pollution Control guidelines for construction staff.
- Tracks the filing of the Project Registration Documents (PRDs) in the Storm Water Multiple Application and Report Tracking System (SMARTS) database for SWPPP projects.
- Supports Construction Resident Engineer in preparing reports to DSWC for submittal to the RWQCBs as requested.
- Provides oversight QA inspections for SWPPP/WPCP projects.
- Provides oversight on the submittal of discharge notices and other regulatory issues by the Resident Engineers.
- Represents Construction in the District's NPDES Coordination Team Meetings.
- Provides data to the DSWC for the District's Annual Report.
- Participates on the Construction SWAT (CSWAT) defined in the SWMP.
- Attends quarterly Construction Industry Storm Water Subcommittee (CISWS) meetings.

The CSWC provides support to the Construction Resident Engineer to ensure that all enforcement actions or corrections requested by the Regional Boards are promptly implemented, and documented. The CSWC serves as the primary conduit for information during the construction phase.

## **Right-of-Way (ROW) Coordinator**

The Right-of-Way (ROW) Coordinator for the District NPDES Coordination Team is responsible for:

- Attending all District NPDES Coordination Team meetings to report on ROW activities.
- Ensuring that stormwater training is available to ROW Agents tasked with property inspection responsibilities.
- Ensuring that regular property inspections include stormwater inspections.
- Maintaining documentation of the inspection findings and corrective actions.
- Disseminating information and answering questions regarding Caltrans' stormwater policy to all ROW staff involved in stormwater inspections.

- Notifying the DSWC of discharges or situations that appear to be in gross violation of Caltrans' NPDES Permit, SWMP, or DWP.

### Engineering Services (Hydraulics) Representative

The Hydraulics Representative (HR) is a member of the District NPDES Coordination Team and is responsible for providing information on permanent control measures, except those related to erosion control, which are being planned, designed, and implemented in projects. The HR ensures that the management and staff of the Hydraulics Branch are knowledgeable of the DWP and water pollution control efforts and commitments to minimize or prevent pollutants from being present in discharges. The HR ensures that the design processes used by the Hydraulics Branch are consistent with the DWP and the SWMP, especially those processes related to the evaluation, selection, and design of permanent control and treatment control measures.

### Encroachment Permits Coordinator

The Permits Coordinator is a member of the District NPDES Coordination Team and is responsible for ensuring that the District Office of Permits complies with the NPDES Permit, SWMP, and DWP. The Office of Permits is responsible for issuing permits to local agencies, utility companies, and others (i.e. film production companies, marathon sponsors, etc.) that desire to encroach into Caltrans ROW for conducting construction, maintenance, or other activities consistent with their organization. The Permits Coordinator ensures that all permits issued to those encroaching into Caltrans' ROW comply with the NPDES Permit in a manner that is consistent with what is required of Maintenance, Construction, and Design.

Table 2-1 lists staff members responsible for implementing the Stormwater Management Program.

*Table 2-1: District 12 Stormwater Personnel and Responsibilities*

Staff Name	Title	Phone No.	E-mail	Responsibility
Grace Piña-Garrett	District NPDES/Stormwater Coordinator	(949) 724-2189	grace.pina-garrett@dot.ca.gov	Primary contact for all District NPDES/Stormwater issues. Oversees the District NPDES/Stormwater Unit and coordinates with the other NPDES/Stormwater functional units within the District.
Hector Salas	Environmental Specialist, Environmental Liaison	(949) 724-2625	hector.salas@dot.ca.gov	Under the direction of the District's NPDES/Stormwater Coordinator, the Environmental Specialist ensures NPDES Permit compliance from all functional units. Contacts and submits all information to the RWQCB; Environmental Liaison to the District NPDES/ Stormwater Coordinator. Reviews projects in the planning and environmental document phase. Prepares Technical Water Quality Documents for Caltrans projects.
Mark Doroudian	Construction Stormwater Coordinator	(949) 724-2133	mark.doroudian@dot.ca.gov	Assisting Resident Engineers with review of Stormwater Pollution Prevention Plan (SWPPP) and Water Pollution Control Program (WPCP). Liaison between field construction and District NPDES Stormwater coordinator.

*Table 2-1: District 12 Stormwater Personnel and Responsibilities*

<b>Staff Name</b>	<b>Title</b>	<b>Phone No.</b>	<b>E-mail</b>	<b>Responsibility</b>
Richard Reed	Maintenance Stormwater Coordinator	(949) 440-3413	richard.reed@dot.ca.gov	Liaison between Maintenance field crews and District NPDES/ Stormwater Coordinator. Inspects Maintenance facilities and provides training to Maintenance field personnel.
John Jalali	Permits Coordinator	(949) 724-2266	john.jalali@dot.ca.gov	Permits Liaison to the District NPDES/Stormwater Coordinator. Reviews SWPPPs/WPCPs and conducts routine project inspections for Encroachment Permits. District 12 Permits liaison to Headquarters Office of Permits and other Districts Stormwater Coordinators.
Harry Pantoja	Right of Way Coordinator	(949) 724-2388	harry.pantoja@dot.ca.gov	Conducts Airspace Lease Inspections for Water Quality

Table 2-2 lists individuals authorized to sign the documents, reports, and other information submitted by the District to either the SWRCB or the RWQCB(s). These individuals/positions may delegate authorization to their staff to sign various documents and reports required for implementation of the Stormwater Program. It also includes delegation of signatory authority for key Permit/SWMP required documents.

*Table 2-2: District 12 Signatory Authority for Key Documents*

<b>Position or Individual</b>	<b>Phone No.</b>	<b>E-mail</b>	<b>Documents Authorized for Signatures</b>
Ryan Chamberlain, District Director	(949) 440-3440	ryan.chamberlain@dot.ca.gov	All District Documents, Legally Responsible Person (LRP)
Sylvia Vega, Deputy District Director, Environmental Analysis	(949) 724-2018	sylvia.vega@dot.ca.gov	All District Documents except District Work Plan
Grace Piña-Garrett, DSWC	(949) 724-2189	grace.pina-garrett@dot.ca.gov	All District Documents except District Work Plan
Resident Engineers	-	-	SWPPP, Notice of Intent (NOI), Notice of Termination (NOT), Notice and Report of Non-Compliance, Discharge or threat of Discharge Notification, Annual Report, Numeric Action Level (NAL) Exceedance Report
Lisa Ramsey, Deputy District Director, Capital Program	(949) 724-2010	lisa.ramsey@dot.ca.gov	Backup Legally Responsible Person (LRP)
Saeid Asgari, Office Chief, Construction	(949) 724-2170	saeid.asgari@dot.ca.gov	Backup Legally Responsible Person (LRP)

*Table 2-2: District 12 Signatory Authority for Key Documents*

<b>Position or Individual</b>	<b>Phone No.</b>	<b>E-mail</b>	<b>Documents Authorized for Signatures</b>
Reza Aurasteh, Branch Chief, Environmental Engineer	(949) 724-2738	reza.aurasteh@ dot.ca.gov	Notice of Soil Reuse with Aerially Deposited Lead (ADL)
Maintenance Storm Water Coordinator	-	-	Facility Pollution Prevention Plans (FPPP)

Figure 2-1 shows an organizational chart describing key persons with responsibilities for stormwater operations within the District.

Figure 2-1: District 12 Organizational Chart

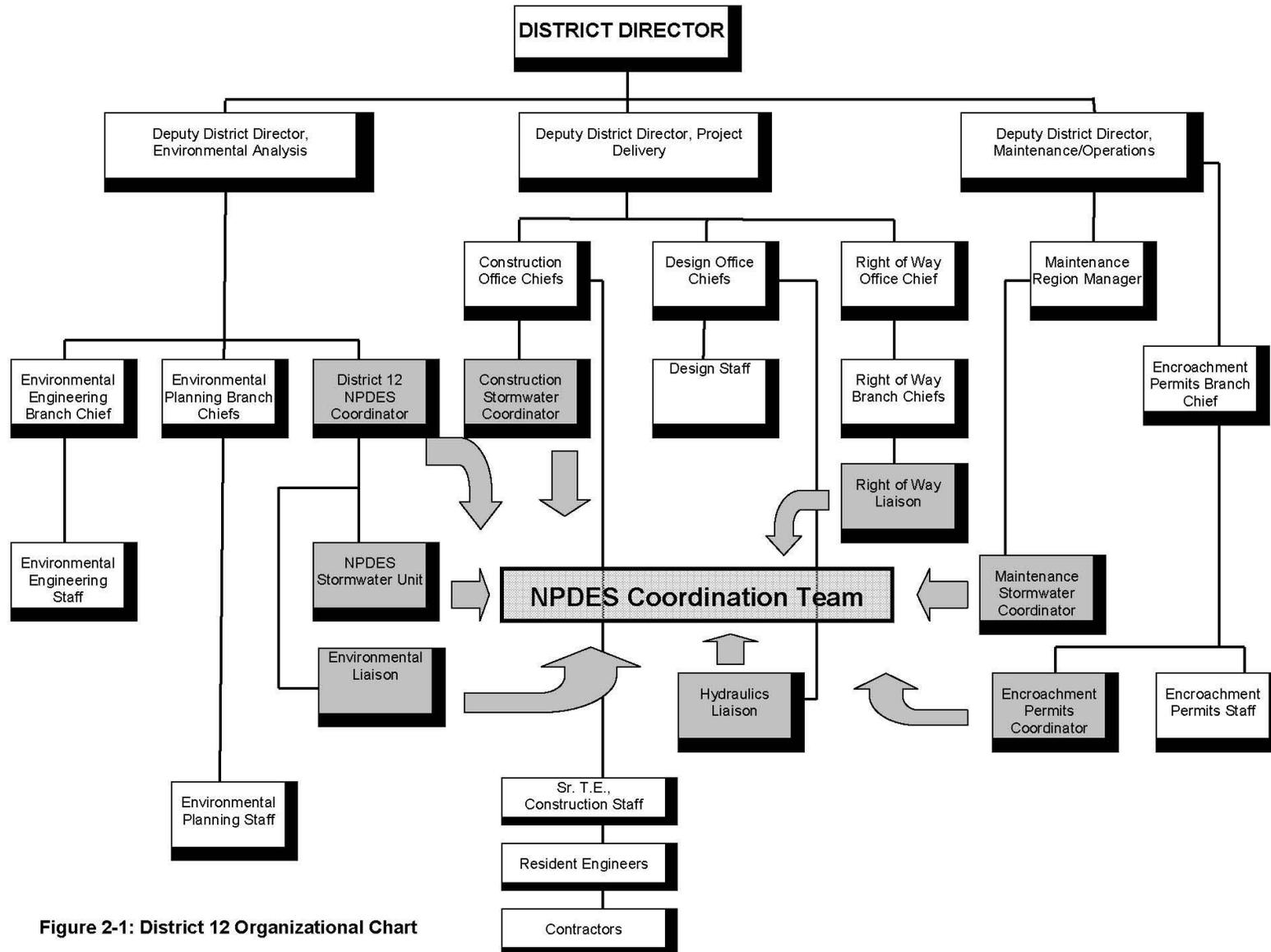


Figure 2-1: District 12 Organizational Chart

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### **3 District Facilities and Water Bodies**

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Section 3 of the DWP identifies maintenance stations (including crew functions and street addresses), vista points, commercial vehicle enforcement areas, roadside rest areas, park and ride facilities, toll road and bridge plazas, equipment shops, and other Caltrans facilities. Facility Pollution Prevention Plans (FPPPs) are prepared and implemented at Maintenance facilities within the District's boundaries, such as maintenance stations, material storage facilities, and equipment shops. To comply with Department of Homeland Security policy, the table and map identifying these facilities is not available to the public. For more information, contact Caltrans' Office of Emergency Management or Division of Environmental Analysis.

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## 4 Drinking Water Reservoirs and Recharge Facilities

Section 4 of the DWP describes and identifies the locations where spills from District-owned rights-of-way, activities, roadways, or facilities can discharge directly to a municipal or domestic water supply reservoir or a ground water recharge (percolation) facility. Projects that potentially drain to these high-risk areas consider project features that enhance spill response.

Some drinking water reservoirs and recharge facilities are in locations where spills from District-owned ROWs, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or groundwater percolation facilities. To generate the list of municipal, domestic water supply reservoirs, and groundwater percolation facilities, the District first contacted known public and private water supply providers. From the information received, the District determined which facilities were susceptible to a direct spill from a District activity or facility. This determination was based on proximity between the water body and the District's facility, use characteristics of the facility, and the probable spill response time.

When planning projects within these defined areas, District 12 considers project design features for aiding in the prevention of accidental spills that could impact the area; these features are typically commensurate with safety improvements for reducing vehicle accidents. Examples of these features may include, but are not limited to, median barrier, guardrail, signalization, and vehicle restrictions. Features considered for improving spill response time typically include elongated drainage paths, call boxes, signage, or video surveillance.

A list of drinking water reservoirs and recharge facilities within District 12 is presented in Table 4-1.

*Table 4-1: District 12 Drinking Water Reservoirs and Recharge Facilities*

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
SR-91, PM008.57/018.91  SR-90 PM 12.7/12.8	Orange	Santa Ana	Santa Ana River Recharge Basins/ Orange County Water District	<p>The Orange County Water District (OCWD) is responsible for managing the underground water reserves that supply about 500 wells within district boundaries. About 270,000 acre-feet of water is pumped for use each year. Groundwater reserves are maintained by a recharge system, which replaces water pumped from wells. OCWD's facilities have a recharge capacity of approximately 300,000 acre-feet per year. About two million people depend on this source for more than three-quarters of their water.</p> <p>Along a six-mile section of the Santa Ana River that belongs to OCWD, a system of diversion structures and recharge basins captures most of the water that would otherwise flow into the Pacific Ocean. The district has 1,500 acres of land for use in its recharge program.</p> <p>SR-91 is parallel to the Santa Ana River, upstream from the OCWD Recharge Basins and discharges directly into the Santa Ana River. SR-90 (Imperial Highway) crosses the Santa Ana River upstream from the OCWD Recharge Basins</p>	-

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## 5 Slopes Prone to Erosion

Section 5 of the DWP identifies the road segments within District 12 that have slopes which are prone to erosion and sediment discharge. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, will be prioritized for implementing appropriate controls to the maximum extent practicable. In each Annual Report, the status of stabilization activities where applicable will be reported. Table 5-1 is District 12's inventory of vulnerable road segments where erosion occurs and stabilization may be required, or where rock cut slopes are located and rock falls have occurred.

*Table 5-1: District 12 Inventory of Road Segments Prone to Erosion*

Road Segment	County	Regional Board	Watershed	Scheduled Stabilization Date
None	-	-	-	-

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## 6 Implementation

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Section 6 of the DWP identifies the specific projects in which work is planned during the fiscal year within the Project Approval/Environmental Document (PA/ED), Plans, Specifications, and Estimates (PS&E), and Construction development phases. The anticipated schedule of construction and maintenance activities is subject to change. These projects are limited to those meeting any of the following criteria:

1. All projects that require soil disturbing activities
2. Adjacent to a Drinking Water or Ground Water Recharge Facility, as described in Section 4 of the DWP
3. A supplemental environmental project
4. Additional projects per agreement between the District and local RWQCB

Projects listed in Table 6-1 include (where applicable):

1. Location (county, route and post mile limits)
2. Project number (expense authorization)
3. Basic Project Description
4. Disturbed soil area
5. Presence of receiving waters within or adjacent to project limits, with special designation for 303(d) listed water bodies
6. Drinking Water Reservoir or Ground Water Recharge Facility within or adjacent to project (as identified in Section 4 of the DWP)
7. Projected milestone dates of PA/ED, PS&E, begin Construction, and end Construction
8. Description of Construction Controls
9. Post-Construction Treatment Controls (types and quantities)
10. Dredge and fill (CWA-401) activities within the project
11. Other Regional Water Board Permits Required
12. Potential and Actual Impacts of Project's Discharge
13. Area of New Impervious Surface
14. Percentage of New Impervious Surface to Existing Impervious Surface

The updated lists of projects meeting these criteria will also be provided to the RWQCB annually on October 1st. Furthermore, this section identifies planned maintenance activities involving water bodies that may require action by the RWQCB under Section 401 of the CWA. Information associated with the activities includes location, affected water body, and area of disturbance. In addition, this section also describes the planned activities associated with municipal coordination, stormwater monitoring, and public education within the District; however, these activities may be conducted jointly with other Districts and HQ. Consequently, information contained in a DWP may be repeated in another DWP.

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Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description <sup>1, 2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board											PA&ED Date	PS&E Date	Start Date	End Date
1	12-0H160	ORA	001	25.9	29.9	8	Capital Preventive Maintenance - Resurface the pavements N SR-1 from Goldenwest St to Los Angeles/Orange County Line	Huntington City Beach, Bolsa Chica State Beach	none	No	-	0.236	-	-	WPCP	EXEMPT	8/30/2005	1/15/2014	10/1/2014	5/1/2016
2	12-0M650	ORA	001	17.4	23.7	8	0.1' Rubberized Hot Mix Asphalt (RHMA) Type G Overlay. Overcrossing (OC) in Newport Beach and Huntington Beach from Jamboree Rd to Beach Blvd	Lower Newport Bay	none	No	-	-	-	-	WPCP	EXEMPT	10/1/2015	9/15/2015	2/15/2016	7/1/2017
3	12-0M290	ORA	001	0	1.1	9	Remove and Replace RHMA Type G. OC. in the City Of Dana Point, from Route 5 to 0.3 mile North of Doheny Park Rd.	San Juan Creek through its tributary Capistrano Beach Storm Channel	none	No	-	minimal	-	-	WPCP	NA	6/12/2012	8/23/2012	2/14/2013	7/1/2014
4	12-0M470	ORA	001	22.734	24.55	8	Modify Signals, Striping, Add't Safety Lightning, Americans with Disabilities Act (ADA) Improvements. Route 1 @ Brookhurst St. (22.090), Magnolia St (22.734), Newland St (23.271), Lake (1st) St (24.551) Goldenwest St (25.890) and Warner Ave (29.890)	Santa Ana River, Huntington Harbour, Talbert, Huntington Beach, Channel, Bolsa Chica Harbour, Wintersburg Channel	none	No	NA	0.36	NA	NA	WPCP	-	11/13/2012	-	9/1/2015	9/1/2016
5	12-0L000	ORA	001 055	17.43 0.00	21.55 0.17	8	This is a Relinquishment Project to the City of Newport Beach. Relinquish on SR-1 from Jamboree Rd to the S. limit of Santa Ana River Bridge and on SR-55 from Finley Ave. to the W. limit of Newport Channel Bridge in the City of Newport Beach	Lower Newport Bay Channel and Lido Channel	none	None	None	None	-	-	WPCP	None	-	-	N/A	N/A
6	12-0C890	ORA	005	30.3	34	8	Provide a second High Occupancy Vehicle (HOV) lane in both directions in the cities of Tustin and Santa Ana	Santa Ana River Reach 2, Santiago Creek Reach 4	ACOE 404	-	-	Alt 2 - 8.56, Alt 3 - 1.03, Alt 4 - 0.60	1.45	2%	SWPPP	TBD	11/1/2013	8/3/2015	6/3/2016	5/1/2018

<sup>1</sup> Supplemental Environmental Projects designated as "SEP."

<sup>2</sup> Projects adjacent to Drinking Water Reservoirs or Groundwater Recharge Facilities are noted (DW) and (GW), respectively.

<sup>3</sup> Water bodies with designation for 303(d) designation are noted in parentheses.

<sup>4</sup> If yes, a 401 permit will be required for this project. NA = Not Available at this time.

<sup>5</sup> Regional Water Board Permits required other than Construction General Permit and Clean Water Act Section 401 water quality certification, such as Waiver of Discharge Requirements, Dewatering Permits, Bridge Painting WDRs, etc.

<sup>6</sup> This information may come from the Water Quality Assessment Report prepared for each project, a Water Quality Technical Memorandum, or other document that evaluates the water quality impacts of a project.

<sup>7</sup> A description of the Construction Controls is available in the project's Storm Water Pollution Prevention Plan (SWPPP), Water Pollution Control Plan (WPCP), or is To Be Determined (TBD) if the Disturbed Soil Area is unavailable.

<sup>8</sup> Treatment Control Status identified by: device type/number of devices, exempt ("E"), or under consideration ("C"). See Treatment Control Status Legend below for device type abbreviations.

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description <sup>1, 2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board											PA&ED Date	PS&E Date	Start Date	End Date
7	12-0K020	ORA	005	12.4	18.9	8 and 9	Capacity increase and operational improvements to I-5: HOV, lane, and aux lane additions, and interchange reconfigurations from 0.5 miles south of SR-73 to 0.2 miles north of El Toro Rd.	Oso Creek, Aliso Creek, La Paz Channel, Trabuco Creek, San Juan Creek, San Diego Creek-Reach 2.	ACOE 404	DeMinimus and 401 Certification	Pollutants of concern for the 303(d) waterbodies	137 (max.)	33 (max.)	TBD	SWPPP	Bioswales, Biostrips, and possible Det./Infiltr. Basins	6/25/2014	8/22/2018	10/10/2019	9/12/2022
8	12-1016A	ORA / LA	005	42.5 / 00.0	44.4 / 0.3	8 and 4	Highway planting restoration in Orange and L.A. counties from Orangethorpe Ave. to 0.3 mile north of the L.A. County Line. Parent project is EA10167.	Fullerton Creek, Coyote Creek	none	none	minimal	12	-	-	SWPPP	Biostrips	1/10/2008	7/1/2010	2/22/2011	4/1/2015
9	12-0J61U	ORA	005 / 405	19.2 / 0.0	22.2 / 1.2	8	Highway planting for stormwater mitigation on I-5 from Lake Forest Dr. to Alton Pkwy and on SR-405 from I-5 to 0.2 miles north of Irvine Center Drive.	San Diego Creek - Reach 2, Serrano Creek Channel	none	none	Pollutants of concern for 303(d) waterbodies	64	0.95	n/a (in landscape areas)	SWPPP	Biostrips and swales	12/12/2012	12/1/2013	7/1/2014	9/1/2018
10	12-0F060	ORA	005	5.6	6	9	Widen road and bridge, place HMA in Orange County in San Clemente and Dana Point from 0.1 mile south of Camino de Estrella overcrossing to 0.2 miles south of Via California OC at Camino de Estrella	San Mateo Creek and San Clemente Coastal Streams	No	No	-	5.49	1.13	3%	SWPPP	2 BSW	1/29/2008	9/15/2010	2/24/2012	1/2/2015
11	12-0M490	ORA	005	1.2	2.2	9	Enhance curve, build up the approach & dept from the bridge and install overhead warning sign SB I-5 at El Camino Real UC.	San Clemente Coastal Streams Watershed through its tributaries Los Lobos Storm Channel, Riviera Storm Channel and Alessandro Storm Channel	No	No	-	2.1	0.72	4.60%	SWPPP	NA	11/1/2013	3/1/2015	3/17/2016	11/20/2017
12	12-0L850	ORA	005	14.79	31.6	8 and 9	12-0L850 continuous access on HOV	Carbon Creek Channel, Anaheim Barber Channel, Santa Ana River, Santiago Creek, El Modena Irvine Channel, Peters Canyon Wash, Agua Chinon, Serrano Creek, San Dirgo Creek, Aliso and Oso Creeks.	None	None	None	-	-	-	WPCP	None	12/2/2013	3/24/2015	6/1/2013	6/30/2014

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No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board											PA&ED Date	PS&E Date	Start Date	End Date
13	12-0L870	ORA	005	19.45	19.5	8	Modify traffic signals & extend left turn lane. In Lake Forest at the northbound off-ramp to Lake Forest Drive.	San Diego Creek, R2	none	No	No	0.14	-	-	WPCP	N/A	3/1/2012	10/5/2012	2/21/2013	1/14/2015
14	12-0F96A	ORA	005	3	3.7	9	Add one HOV lane OC. I-5 from south of Avenida Pico to south of Avenida Vista Hermosa	San Juan Creek, Prima Deshecha Creek, Segunda Deshecha Creek	-	R9-2000-002, NPDES #CAG 919002, 401	No	801	3	13.04	SWPPP	BSW, ASF	10/26/2011	6/25/2013	10/2/2014	9/7/2018
15	12-0F96C	ORA	005	3.7	6.2	9	Add one HOV lane OC. I-5 from south of Avenida Pico to south of Avenida Vista Hermosa	San Juan Creek, Prima Deshecha Creek, Segunda Deshecha Creek	-	R9-2000-002, NPDES #CAG 919002	No	39.3	7.6	13.45	SWPPP	BST, BSW	10/26/2011	5/28/2013	3/1/2014	6/1/2017
16	12-0F96E	ORA	005	6.2	8.7	9	Add one HOV lane OC. I-5 from south of Avenida Pico to south of Avenida Vista Hermosa	San Juan Creek, Prima Deshecha Creek, Segunda Deshecha Creek	-	R9-2000-002, NPDES #CAG 919002	No	19.7	2.6	8.64	SWPPP	BSW, EDB	10/26/2011	1/12/2013	10/1/2013	1/1/2017
17	12-0M450	ORA	5, 39 and 72	vari	vari	8	Repair sidewalk, curb, gutter, and driveway. OC. in Irvine and La Habra on SR-39, I-5, and SR-72 at various locations	San Gabriel River/Coyote Creek through its tributaries La Mirada Creek Channel, Monte Vista Storm Drain, Euclid Storm Drain and Colfax Storm Drain; Newport Bay Watershed through its tributary Dahlquist Storm Drain	No	No	-	minimal	0	0	WPCP	NA	7/26/2012	9/24/2012	4/15/2013	7/1/2014
18	12-0M380	ORA	5, 57, 73, 91, 133, 261 & 405	vari	vari	8	Repair deck spalls, methacrylate deck seal treatment and replace failed joint seals in Orange County on Rte 057 & on Rte 405 at PM 0.95/12.41 and on Rte 91 at PM 0.10/3.85	Newport Bay Watershed through its tributaries Robert Avenue Storm Drain, Central Irvine Channel, Santa Ana Delhi Channel, Marshburn Channel, El Modena Irvine Channel, Agua Chinon Channel, Culver Storm Channel, Lane Channel, Airport Storm Channel; Santa Ana River Watershed through its tributaries Santa Ana River Channel Reach 2, Gisler Storm Channel Mesa Verde Storm Drain, Fountain Valley Channel; San Gabriel River/Coyote Creek Watershed through its tributary Orangethrope Storm Drain; Anaheim Bay/Huntington	No	No	-	0	0	0	WPCP	NA	6/15/2012	12/1/2012	7/27/2013	2/30/2014

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		Co.	Route	Begin PM	End PM	Regional Board											PA&ED Date	PS&E Date	Start Date	End Date
							Harbour Watershed through its tributary Carbon Creek Channel.													
19	12-0M930	ORA	5, 55, 57, 91 & 405	vari	vari	8	Remove & replace attenuators in OC - Anaheim, Costa Mesa, Irvine, Orange, Placentia, & Santa Ana on Rte 5, 55, 57, 91 & 405 at various locations.	San Gabriel River/Coyote Creek Watershed through its tributaries Placentia Storm Channel, Carbon Creek Channel; Santa Ana River Watershed through its tributary Carbon Canyon Diversion Channel, Santa Ana River Reach 2; Newport Bay Watershed through its tributaries Airport Storm Channel and Agua Chinon Channel.	No	No	-	minimal	0	0	WPCP	NA	12/15/2012	2/1/2013	5/2/2013	7/1/2014
20	12-0L380	ORA	039	1.13	19.17	8	Install new & upgrade curb ramps at various locations on SR-39 from Indianapolis to Imperial Hwy.	Tributaries of Talbert Channel; East Garden Grove Wintersburg, Westminster, Anaheim Barber City, and Stanton Storm Cahnnels; Carbon Creek, Fullerton Creek and Coyote Creek.	None	None	None	1.5	1.45	420	SWPPP	None	12/23/2010	9/25/2012	8/25/2013	5/25/2015
21	12-0L970	ORA	039	2.1, 3.1, 6.14	2.1, 3.1, 6.14	8	Add safety lighting, modify signals and pavement marking, ADA update OC. on SR-39 at Yorktown Ave (PM: 2.1), Main/Ellis St. (PM: 3.1) Mcfadden Ave (PM:6.1).	Receiving water bodies vary. Major water bodies are: East Garden Grove Wintersburg Channel and Oceanview Channel	None	None	None	0.3	0	0	WPCP	None	6/22/2012	1/31/2013	10/4/2013	8/26/2015
22	12-0L77U	ORA	039	7.1 9.2	7.1 9.2	8	Install additional safety lighting and modify signals on SR-39 @ Hazard Ave, and Lampson Ave	Westminster Channel and Anaheim Barber City Channel	None	None	None	0.05	0	0	WPCP	None	12/29/2011	8/1/2012	3/11/2013	7/25/2014
23	12-0L520	ORA	055	1	2.7	8	Capacity increase and operational improvements to SR-55 (Newport Boulevard) from 19th Street to Industrial Way.	Lower Newport Bay	ACOE 404	SARWQCB 401 Certification. Newport Bay Watershed De Minimus	Pollutants of concern for the 303(d) waterbody	25 (max.)	2.52 (max.)	8%	SWPPP	Bioswales	11/16/2016	5/15/2019	4/16/2020	5/21/2024
24	12-0H900	ORA	055	4.6	5.9	8	Maintenance roadside safety improvements on SR-55 between Bristol Street and Paularino Avenue.	Santa Ana-Delhi Channel	none	none	Pollutants of concern for the 303(d) waterbody	2	.045 (adjusted)	n/a (in landscape areas)	SWPPP	Biostrrips, Bioswales	2/1/2013	12/2/2013	7/15/2014	8/1/2015

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		Co.	Route	Begin PM	End PM	Regional Board											PA&ED Date	PS&E Date	Start Date	End Date
25	12-0J340	ORA	055	6.4	10.3	8	Capacity increase and operational improvements to SR-55 between SR-405/SR-55 separation and Macfadden Avenue depending upon chosen alternative.	Lane Channel to San Diego Creek-Reach 1, and Santa Ana-Santa Fe Channel to Peters Canyon Channel	ACOE 404	Newport Bay Watershed DeMinimus and 401 Certification	Pollutants of concern for the 303(d) waterbodies	77.16 (MAX.)	15.28 (MAX.)	11%	SWPPP	Biostrips, Bioswale, and possible Infiltration Basin	2/13/2014	12/16/2016	11/8/2017	7/20/2022
26	12-0H208	ORA	055	17	17.7	8	Flatten the slope above the maintenance access road in the cities of Orange and Anaheim at Santiago Blvd and Nohl Ranch Road... Regrade slope and install drainage system	Santa Ana River Reach 2	No	Dewatering Permit R8-2009-2003 CAG998001	-	6.5	0	0	SWPPP	NA	9/30/2010	2/15/2012	11/27/2013	2/29/2016
27	12-0L740	ORA	055	2	11.8	8	Pavement resurfacing includes ramps & approach slab replacement OC. on SR-55 fr. 19th St. to 17th St. in the cities of Costa Mesa & Tustin.	-	none	-	-	-	-	-	SWPPP	-	12/23/2010	1/16/2013	-	-
28	12-0L74U	ORA	055	2	11.8	8	Rehabilitate pavement & construct permanent concrete median barrier.OC. in Costa Mesa, Santa Ana And Tustin, fr. 19th St. to 17th St.	Lower Newport Bay, Paularino, Lane, SA Delhi, SA Gardens Ch.	none	-	-	1.01	0.4	20	SWPPP	-	-	1/16/2013	8/30/2013	0/30/2014
29	12-00550	ORA	055	7	7.9	8	Const overcrossing at Atlanta Ave over SR-55 & HOV access ramps in Santa Ana.	Lane Channel discharging into San Diego Creek Reach 2	None	None	None	2.65	7.42	11	SWPPP	None	4/13/2006	-	-	11/1/2018
30	12-0M360	ORA	055	2.02 10.98	2.40 11.79	8	Construct concrete median barrier in place of temporary K-rail to close gaps on SR-55 between 19th St and Bay Street overcrossing in the Costa Mesa, and between 4th Street and 17th St. overcrossing in the City of Santa Ana.	Location 1 (Costa Mesa)-Lower Newport Bay Location 2 (Santa Ana)-North Tustin Channel or Santa Ana-Santa Fe Channel to Peters Canyon Cahnnel to San Diego Creek Channel	None	None	None	3	0.38	13	SWPPP	None	2/8/2012	1/16/2013	9/18/2013	-
31	12-0M500	ORA	055	0	17.88	8	Upgrade metal beam guardrails, end treatments and curbs/dikes on SR-55 between Finley Ave in City of Newport Beach to junction of Rte-91 in Anaheim.	Santiago Crk, Santa Ana Santa Fe Channel, Santa Ana Delhi Channel and many cross-drainage channels.	None	None	None	4.41	-	-	SWPPP	None	6/28/2013	11/10/2014	7/6/2015	3/1/2017
32	12-0H20U	ORA	055 / 073	2.8 / 24.7	5.9 / 27.8	8	Highway planting restoration on SR-55 from 22nd Street to SR 405, and on SR-73 from 0.2 miles south of Jamboree Boulevard to SR-405.	San Diego Creek-Reach 1, Baker Storm Channel, Paularino Channel, Santa Ana-Delhi Channel	none	none	Pollutants of concern for the 303(d) waterbodies	51	1.6	n/a (in landscape areas)	SWPPP	Biostrips, Bioswales	4/11/2013	2/1/2014	8/5/2014	11/1/2018

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		Co.	Route	Begin PM	End PM	Regional Board											PA&ED Date	PS&E Date	Start Date	End Date
33	12-0F040	ORA	057	19.3	24.7	8	Widen NB Route 57 and bridges in Orange County in Anaheim from 0.3 mile south of Katella Avenue undercrossing to 0.3 mile north of Lincoln Avenue overcrossing	Santa Ana River (Reach 2), Chantilly Channel	-	No	No	39	6.5	22	SWPPP	BST, BSW, DTB,	11/25/2009	12/10/2010	10/26/2011	2/27/2015
34	12-0M550	ORA	073	10.72	10.97	9	Build Shear Pile Walls With Tiebacks. OC. Rte-73 at Crown Valley Pkwy.	Oso Creek	No	Dewatering	-	0.99	0.39	19%	WPCP	EXEMPT	2/15/2012	5/11/2012	7/9/2012	9/2/2014
35	12-0M960	ORA	073	22.5	25.7	8	Resurfacing AC pavement on fwy, & ramps, upgrade MBGR, curb ramps and crash cushion from Ford Rd/Bonita UC to NB On-Ramp fr, N Bristol St Gore Point. excluding 0m110. Project Limit: 23.9/25.0.	Neport Bay Watershed through its tributary Santa Ana-Delhi Channel, San Diego Creek Reach 1 and Upper Newport Bay	No	No	-	0.16	0.03	0	WPCP	NA	-	6/1/2014	1/1/2015	12/1/2015
36	12-0M110	ORA	073	23.96	25	8	Adjust fwy cross-slope, add drainage inlets, resurface rwy with OGAC, restripe, upgrade MBGRNB SR-73 from San Diego Creek to north of Jamboree Rd overcrossing and Macarthur/Bison to NB SR-73 on-ramp.	San Diego Creek Reach 1, Bonita Creek, Upper Newport Bay	No	-	-	1.1	0.5	-	SWPPP	NA	-	3/12/2012	11/1/2013	11/1/2014
37	12-0M340	ORA	073&133	16.609/4.173		9	Widen rdwy to improve channelization at gore area & widen ramp, modify signal operations in OC. Collector road between El Toro Road/SR-73 NB on-ramp and SR-133	Laguna Coastal Streams Watershed through its tributary Laguna Canyon Channel	No	No	-	0.9	0.4	3%	WPCP	NA	6/28/2013	12/1/2014	2/1/2016	3/1/2017
38	12-0E310	ORA	074 & 05	0/9.3	0.2/10	9	Replace bridge and widen ramp on Rte 74 from 0.1 mile west of I-5/SR-74 IC to 0.1 mile east of I-5/SR-74 IC.	San Juan Capistrano Watershed through its tributary Horno Creek and San Juan Creek	ACOE 404	401 Cert, Dewatering Permit R9-2008-0002 CAG919002	-	7.94	1.29	4%	SWPPP	5 BSW	6/1/2009	12/22/2011	8/22/2012	9/1/2016
39	12-0M440	ORA	074 & 05	1.7/10	1.7/10	9	Repair Ditch OC. in City of San Juan Capistrano on Rte 5 at El Horno St. UC & on Rte 74 at Shade Tree Ln.	San Juan Capistrano Watershed through its tributary Horno Creek	No	No	-	0.1	0	0	WPCP	NA	11/15/2012	2/1/2013	5/8/2013	7/1/2014
40	12-0L720	ORA	074	2.93	5.06	9	Construct 4-foot right shoulder, pave turnouts, replace/add MBGR SR-74 between east of Antonia Pkwy/ La Pata Rd. (PM 2.93) and east of Conrock Entrance (PM 5.06)	San Juan Creek	-	SDRWQCB, Region 9	Potentially Increased Flow and sediment	8.4	2.1	128	SWPPP	Biofiltration swales, Rock Catchment Area	6/27/2013	-	2/2/2015	2/1/2017
41	12-0C570	ORA	091	0.9	5.4	8	Capacity increase with westbound lane widening on SR-91 between SR-57 and I-5.	Carbon Creek Channel, Houston Storm Channel	ACOE 404	DeMinimus, and 401 Certification	minimal	23.51	6+	5%+	SWPPP	Biostrrips, Bioswales	6/17/2010	4/4/2012	1/9/2013	9/9/2015

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		Co.	Route	Begin PM	End PM	Regional Board											PA&ED Date	PS&E Date	Start Date	End Date
42	12-0K330	ORA	091	17.8	18.2	8	New highway planting on SR-91 from 0.2 mile west to 0.3 mile east of decommissioned Coal Canyon Road undercrossing.	Santa Ana River-Reach 2	none	none	minimal	7	0	n/a (in landscape areas)	SWPPP	Existing Bioswales	9/1/2011	5/7/2012	2/12/2013	4/1/2017
43	12-0G331	ORA	091	9.1	15.6	8	Highway replacement planting for parent project 0G3304 on SR-91 from the SR-55/91 separation to SR-241/91 separation.	Santa Ana River-Reach 2	none	none	minimal	95	0	n/a (in landscape areas)	SWPPP	Biostrips, Bioswales with parent project	4/30/2012	1/31/2013	10/10/2013	11/1/2017
44	12-0M720	ORA	091&405	0.85/7.80	2.61/9.89	8	Seismic retrofit four (4) bridges OC. Rte 405 between 7.8 to 9.9 & Rte 91 between 0.85 to 2.61.	San Gabriel River/Coyote Creek Watershed through its tributaries Orangethorpe Storm Drain, Fullerton Creek; Newport Bay Watershed through Santa Ana-Delhi Channel; Santa Ana River Watershed through Gisler Storm Channel	No	Dewatering PermitR8-2009-2003 CAG998001	-	0.12	0	0	WPCP	NA	6/28/2013	11/26/2015	6/15/2016	6/28/2017
45	12-0L750	ORA	091	0.314	0.314	8	Shoulder widening, signing, striping and guardrail modification in La Palma Ave at Orangethorpe Ave. Widen ramp shoulders and modify traffic signals.	Orangethorpe Storm Drain, Coyote Crk and San Gabriel River	None	None	None	0.23	-	-	WPCP	None	3/15/2012	1/1/2013	7/15/2013	8/22/2014
46	12-0C560	ORA	091	8.1	9.3	8	Provide an auxiliary lane from NB SR-55 to Tustin Ave off-ramp in Anaheim from 0.2 km W of N Olive up to 0.2 km of Tustin Avenue OC	Santa Ana River, R2	ACOE	401/404, 402, 1602	-	6.12	5.49	31.21	SWPPP	BSW	5/20/2011	2/5/2013	10/1/2013	6/6/2017
47	12-0K980	ORA	091	6	9.3	8	Improve complex interchanges, including nearby local interchanges on SR-91 from SR-55 interchange to SR-57 interchange	Santa Ana River, R2	-	401/404, 402, 1602	-	TBD	TBD	TBD	SWPPP	TBD	7/1/2016	2/20/2019	12/1/2019	12/1/2027
48	12-0G009	ORA	133	10	11	8	Trabuco Road interchange add new IC on eastern trans. Coord east leg in Irvine and in Orange County	-	-	-	-	-	-	-	-	-	1/1/2018	-	-	8/1/2022
49	12-0M570	ORA	133	3.4	3.6	9	Ditch clearing and reconstruction. LN OC. City of Laguna Beach, SB SR-133 from El Toro Rd to SR-73	-	-	-	-	-	-	-	-	-	10/16/2014	6/18/2015	2/9/2016	7/7/2016
50	12-0N110	ORA	133	8.8	10.9	8	Deep injection grouting at three locations at the connector. OC. in City of Irvine, Rte-133/I-5 connector interchange.	-	-	-	-	-	-	-	-	-	12/2/2013	1/31/2015	9/1/2015	10/1/2017

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		Co.	Route	Begin PM	End PM	Regional Board											PA&ED Date	PS&E Date	Start Date	End Date
51	12-0L180	ORA	142	4.2	6.4	8	Highway native planting enhancement on SR-142 from Olinda Drive to Lions Canyon Road.	Carbon Canyon Creek	ACOE 404	401 Certification	minimal	0.95	0	n/a (in landscape areas)	WPCP	N/A	12/1/2009	5/24/2010	10/11/2010	5/2/2015
52	12-0H246	ORA	142	4.7	4.8	8	Construct debris catchment wall to prevent landslide debris from entering the roadway in City of Brea on SR-142 between PM 4.71/4.78	No	-	No	No	0.15	0	0	SWPPP	TBD	12/31/2016	6/23/2015	-	4/8/2017
53	12-0C821	ORA	241	32.9	32.9	8	Construct D Street overcrossing in Orange County. at the 241/261 IC	-	-	-	-	-	-	-	-	-	-	-	-	9/1/2020
54	12-0G012	ORA	241	18.5	22.5	8 and 9	FTC SB widening. Add one lane SB from south of Santa Margarita Pkwy to north of Bake Pkwy & reestablish NB auxiliary lane in Mission Viejo, Lake Forest and Rancho Santa Margarita	-	-	-	-	-	-	-	-	-	1/11/2006	-	-	8/31/2017
55	12-0J680	ORA	241	27.6	32.3	8	Construct three general purpose lanes on SB SR-241 in Orange County on SR-241 between SR-133 confluence and 0.6 mile north of SR-261 confluence.	-	-	-	-	-	-	-	-	-	1/17/2012	-	-	11/1/2017
56	12-11102	ORA	241	0	13.8	9	Foothill Trans Corridor (South) Foothill Transp Corridor (South) from Rte 5 to Oso Pkwy	-	-	-	-	-	-	-	-	-	6/1/2013	-	-	11/1/2017
57	12-0M710	ORA	241	17.5	25	8 and 9	0.1' RHMA type O. OC. In Mission Viejo, Lake Forest & Irvine from Portola Pkwy to Antonio Pkwy.	-	-	-	-	-	-	-	-	-	10/1/2013	12/1/2013	5/15/2014	10/1/2015
58	12-0H047	ORA	241	25	39	8	NB/SB resurfacing of all lanes and all on-ramps, off-ramps within the project limits in Anaheim from Portola Parkway to SR-91	Santiago Creek (R1)	-	No	No	0.1	0	0	WPCP	N/A	8/31/2005	3/4/2015	-	1/1/2017
59	12-0C820	ORA	241/261	31.5 / 5.0	33.5 / 6.2	8	E Orange IC improvements new SR-241 SB on-ramp, widening & grading Chapman Ave. in Orange @ SR 241/261 and Santiago Cyn Road	-	-	-	-	-	-	-	-	-	1/25/2006	1/2/2017	-	10/3/2019
60	12-0M430	ORA	261	3.7	3.7	8	Culvert joint sealing & lining. Contact grouting & invert paving. OC. in City of Irvine at Peters Canyon Channel	-	none	-	-	-	-	-	-	-	12/1/2012	2/1/2013	6/15/2013	7/1/2014
61	12-0H450	ORA	261	0	0.6	8	Groundwater treatment facility (GWTF): upgrade trunk line connection for transmission of collected groundwater under SR-261 to Redhill Avenue sewer line (OCSD).	Peters Canyon Wash	none	-	-	-	-	-	-	-	1/1/2014	8/1/2014	12/15/2014	12/1/2016

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board											PA&ED Date	PS&E Date	Start Date	End Date
62	12-0J650	ORA	261	0	6.2	8	Revegetation of exposed slopes for NPDES concerns and source control in Orange County - from Walnut Ave to Route 241	San Diego Creek-Reach 2	none	none	Pollutants of concern for the 303(d) waterbody	tbd	tbd	tbd	SWPPP	none	9/1/2014	8/4/2015	1/16/2016	1/31/2020
63	12-00543	ORA	405	9.6	10.3	8	Const HOV drop ramp 00540k SPL: 005410/20/30 at Bear Street OC BR #55-0433	Santa Ana River	None	None	-	> 1.0 acre	-	-	-	-	12/1/2015	-	-	2/16/2021
64	12-0E790	ORA	405	13.4	13.4	8	Widen OC in Fountain Valley at Talbert Ave OC/I-405	Santa Ana River	None	None	-	> 1.0 acre	-	-	-	-	10/17/2016	2/1/2018	-	1/15/2021
65	12-0H036	ORA	405	2.2	2.2	8	Widen Laguna Canyon Road overcross in City of Irvine at Laguna Canyon Road	San Diego Creek	-	-	-	> 1.0 acre	-	-	-	-	3/22/2006	-	-	3/1/2015
66	12-0K710	ORA	405	0	9.1	8	Add one lane on both N/B & S/B I-405 improve chokepoints at interchanges and add merging lanes on & off ramps Orange County. Rte 405 from Santa Ana Freeway I-5 to SR-55	Airport Channel, San Diego Creek	none	none	-	> 1.0 acre	-	-	-	-	4/1/2017	8/15/2023	11/1/2024	3/6/2027
67	12-00542	ORA	405	6.8	7.6	8	Const HOV drop ramps 00540k SPL:005410/20/30 at Von Karman Ave OC	San Diego Creek	-	-	-	-	-	-	-	-	8/8/2015	-	-	9/1/2020
68	12-0L760	ORA	405	1.5	24.1	8	Deck seal, concrete overlay, seals in Orange County at various locations	-	-	-	-	-	-	-	-	-	8/30/2011	12/12/2011	4/5/2012	12/31/2014
69	12-0H046	ORA	405	11.4	16.9	8	Resurfacing of all lanes and all on-ramps and off-ramps within the project limits on Route 405 from Harbor Blvd to Beach Blvd	-	-	-	-	-	-	-	-	-	-	3/1/2015	2/15/2016	3/1/2017
70	12-0F550	ORA	405	6.4	7.4	8	Highway planting & irrigation in Orange County in Irvine from San Diego Creek to Von Karman Ave overcrossing.	-	-	-	-	-	-	-	-	-	11/3/2011	1/26/2012	3/21/2013	8/3/2017
71	12-0L910	ORA	405	7.5	7.8	8	Repair slope embankment & distressed asphalt concrete roadway on-ramps.OC. in the City of Irvine on I-405 for NB & SB Macarthur on-ramps.	-	-	-	-	-	-	-	-	-	7/1/2014	9/1/2014	3/1/2015	7/1/2015
72	12-0M350	ORA	405	2.6	6.5	8	Extend the 2nd aux lane on SB I-405 & replace exist temp railing to type 60/60C concrete barrier. South of Sand Canyon to SB Culver Drive off-ramp.	-	-	-	-	-	-	-	-	-	12/31/2012	8/15/2014	6/16/2015	10/1/2016
73	12-0F240	ORA	405	0.9	1.5	8	Remove existing outside shoulder, construct auxiliary lane & standard shoulder in Irvine on Rte 405 from SR-133 to Irvine Center Dr	-	-	-	-	-	-	-	-	-	7/1/2015	8/1/2016	5/1/2017	1/11/2019

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board											PA&ED Date	PS&E Date	Start Date	End Date
74	12-0H770	ORA	405	4.1	4.4	8	Add 400 meter aux. lane on SB I-405 & widening the off-ramp to provide a two lane exit in Orange County, City of Irvine at Jeffrey & University	-	-	-	-	-	-	-	-	-	1/1/2014	10/1/2014	-	3/1/2016
75	12-0H320	ORA	405	2.4	2.9	8	Construct an auxiliary lane in SB direction in City of Irvine fr Sand Canyon Ave on-ramp to SR-133	-	-	-	-	-	-	-	-	-	7/1/2014	4/1/2015	-	11/1/2016
76	12-10911	ORA	405	4.7	4.7	8	Widen OC in Irvine at Yale Ave POC	-	-	-	-	-	-	-	-	-	4/9/1993	10/15/2016	8/1/2017	4/14/2018
77	12-0M630	ORA	405	6.9	20.3	8	Gap closure, replace temporary railing (Type K) with permanent concrete barrier.I-405 between Jamboree Rd & Valley View Blvd.	-	-	-	-	-	-	-	-	-	6/20/2016	3/21/2016	9/30/2016	10/22/2018
78	12-0M940	ORA	405	13.6	14.7	8	Overlay with HFST; modify guardrail, curb & gutter; remove & install guardrail; improve ADA. OC. I-405 NB loop off-ramp to SB Brookhurst.	-	-	-	-	-	-	-	-	-	6/29/2013	6/30/2014	1/5/2015	1/30/2016
79	12-0N230	ORA	405	6.917	6.917	8	Improve southbound I-405 at Jamboree Exit ramp in City of Irvine.I-405 at Jamboree interchange.	-	-	-	-	-	-	-	-	-	7/1/2013	6/1/2017	3/1/2018	7/23/2019
80	12-07163	ORA	405	22.6	24	8	Reconstruct interchange in Orange County in Seal Beach, Long Beach and Los Alamitos on Routes 22, 405 and 605	San Gabriel River, Los Alamitos Channel, Kempton Storm Channel, Montecito Storm Channel, Bixby Storm Channel, Federal Storm Channel, Rossmoor Storm Channel	-	-	116	19	24.05%	SWPPP	17 bioswales, 5 biostrips	3/26/2003	9/3/2009	10/12/2010	6/7/2015	
81	12-0J440	ORA	405	0	24.18	8	Remove existed HOV buffer. Restripe freeway to provide a continuous HOV access, standard GP lane & shoulders in Orange County. I-5 in Irvine to I-605 in Seal Beach	Culver Storm Channel, San Diego Creek Reach 1 and Reach 2, Lane Channel, Santa Ana River Reach 1, East Garden Grove Wintersburg Channel, Anaheim Barber City Channel, Bolsa Chica Channel	-	-	0	0	0	WPCP	EXEMPT	6/1/2013	6/1/2014	-	6/30/2016	
82	12-0M300	ORA	405	0	12.9	8	Remove & replace RHMA Type G.O.C. on Rte 405 from I-5 to NB Euclid on-ramp.	San Diego Creek Reach 1, Lane Channel, Santa Ana Delhi, Greenville Banning, Santa Ana River Reach 1, Fountain Valley Channel	-	-	0	0	0	WPCP	EXEMPT	9/4/2012	12/15/2013	5/15/2014	10/1/2015	

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description <sup>1, 2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board											PA&ED Date	PS&E Date	Start Date	End Date
83	12-0H045	ORA	405	3.1	3.8	8	Add auxiliary lane on south bound I-405 fr University on-ramp to Sand Canyon off-ramp	San Diego Creek Reach 2	-	-	-	1.51	0.83	3.73%	SWPPP	TBD	7/1/2015	8/1/2016	5/1/2017	12/1/2018
84	12-0H100	ORA	405	10.3	24.1	8	One-lane widening in each direction & adding auxiliary lanes at various locations fr SR-73/I-405 interchange to I-605 I-405 interchange	Santa Ana (R2), East Fountain Valley Channel, Ocean View Channel, East Garden Grove-Winterburg Channel, Westminster Channel, Newland Channel, Edinger Storm Drain, Anaheim-Barber City Channel, Milan Storm Drain, Bolsa Chica Channel.	-	401/404, 1601, R8-2009-0003	TBD	432 acres (based on Alt. 3)	104 acres (based on Alt. 3)	22% (based on Alt. 3)	SWPPP	TBD	5/26/2014	7/1/2014	-	12/1/2019
84	12-09820	ORA	405	22.3	22.7	8	Widening ramps, ramp intersections, and bridge approaches in Seal Beach Seal Beach Blvd OC	Federal Storm Channel	-	-	-	1.3	0.34	40	SWPPP	BST	4/18/2003	-	-	2/2/2016
85	12-0K870	ORA	605	0	1.6	8	Improve freeway access & arterial connection to I-605. in the cities of Alamitos & Cypress on I-605	San Gabriel River	-	-	-	-	-	-	-	-	1/1/2018	1/1/2021	10/1/2021	5/6/2024
86	12-0E972	ORA	VAR	0	0	8	Construction of D-12 equipment service center (PS&E, Construction) in Orange County	San Diego Creek	none	none	none	8.0 acres	6.7 acres	83%	SWPPP	2 BSWS	9/12/2007	9/1/2013	7/2/2014	2/1/2016

<b>Treatment Control Status Legend</b>	
<b>BMP Device Types:</b>	
BS	Biofiltration Strips and/or Swales
C	Under Consideration
D	Detention Devices
E	Exempt
DWFD	Dry Weather Flow Diversion
GSRD	Gross Solids Removal Devices
ID	Infiltration Devices
IF	Infiltration Devices – Water quality volume (WQV) infiltrates within the right of way. (When this is demonstrated for at least 90% of the WQV, other types of treatment BMPs are not considered unless there is a location-specific requirement.)
MF	Media Filters
MCTT	Multi-chambered Treatment Trains
TST	Traction Sand Traps
WB	Wet Basins

Table 6-2 lists planned maintenance activities that disturb soil and involve water bodies that may require action by the RWQCB under Section 401 of the Clean Water Act.

*Table 6-2: District 12 Anticipated Maintenance Activities and Other Management Practices*

Significant Road Maintenance Activities															
No.	Co.	Route	PM	Regional Board	Description	Water Bodies Affected <sup>9</sup>	Other Regional Water Board Permits Required <sup>10</sup>	Potential and Actual Impacts of Project's Discharge <sup>11</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/ WPCP/ TBD/NA) <sup>12</sup>	Post-Construction Treatment Control Type, Quantity <sup>13</sup>	Start Date	Completion Date
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Treatment Control Status Legend	
<b>BMP Device Types:</b>	
BS	Biofiltration Strips and/or Swales
C	Under Consideration
D	Detention Devices
E	Exempt
DWFD	Dry Weather Flow Diversion
GSRD	Gross Solids Removal Devices
ID	Infiltration Devices
IF	Infiltration Devices – Water quality volume (WQV) infiltrates within the right of way. (When this is demonstrated for at least 90% of the WQV, other types of treatment BMPs are not considered unless there is a location-specific requirement.)
MF	Media Filters
MCTT	Multi-chambered Treatment Trains
TST	Traction Sand Traps
WB	Wet Basins

<sup>9</sup> Receiving waters within or adjacent to maintenance activity designated as "303(d) (constituent type)." Activity adjacent to Drinking Water Reservoir or Groundwater Recharge Facilities designated as "DW."

<sup>10</sup> Regional Water Board Permits required other than Construction General Permit, such as Clean Water Act Section 401 water quality certification, such as Waiver of Discharge Requirements, Dewatering Permits, Bridge Painting WDRs, etc.

<sup>11</sup> This information may come from the Water Quality Assessment Report prepared for each project, a Water Quality Technical Memorandum, or other document that evaluates the water quality impacts of a project.

<sup>12</sup> A description of the Construction Controls is available in the project's Storm Water Pollution Prevention Plan (SWPPP), Water Pollution Control Plan (WPCP), is To Be Determined (TBD) if the Disturbed Soil Area is unavailable, or is Not Applicable (NA) because there is no Disturbed Soil Area associated with the project.

<sup>13</sup> Treatment Control Status identified by: device type/number of devices, exempt ("E"), or under consideration ("C"). See Treatment Control Status Legend below for device type abbreviations.

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Table 6-3 lists the District’s planned general program management practices, such as monitoring activities, public education and participation, municipal coordination, including any cooperative agreements that may be in effect with local agencies.

*Table 6-3: District 12 General Management Practices*

<b>Monitoring Activities</b>
<p>The District plans to:</p> <ul style="list-style-type: none"> <li>• Conduct monitoring activities in accordance with the statewide 3-year Stormwater Action Plan Supporting Study as described in the Stormwater Monitoring Plan.</li> <li>• District sites identified in the statewide monitoring program include the following:               <ul style="list-style-type: none"> <li>○ ASBS Core Monitoring Sites</li> <li>○ Irvine Coast Marine Life Refuge</li> </ul> </li> </ul>
<b>Public Education and Participation</b>
<p>The District plans to:</p> <ul style="list-style-type: none"> <li>• Be involved in the Annual Children’s Water Education Festival hosted by the Orange County Water District and Disneyland. Members of the District 12 Stormwater Program address the various issues in stormwater pollution prevention to over 5,000 elementary school children.</li> <li>• Host a booth at the City of San Juan Capistrano Earth Day event.</li> </ul>
<b>Municipal Coordination</b>
<p>The District plans to:</p> <ul style="list-style-type: none"> <li>• Maintain a continuous exchange of information with the County of Orange, the Orange County Flood Control District, and 25 of the 33 Orange County cities who are co-permittees in the municipal NPDES Permit with the Santa Ana and San Diego RWQCBs. Newly incorporated cities will be added as Orange County co-permittees.</li> <li>• Assist Headquarters DEA with Areas of Special Biological Significance (ASBS) workshops as needed for coordination on requirements.</li> <li>• Have the Environmental Liaison attend the Orange County Transportation Authority (OCTA) Environmental Cleanup Allocation Committee (ECAC) meetings as a committee member. The ECAC is a committee formed by OCTA to award grants for water quality projects within the County of Orange.</li> <li>• Attend TMDL workshops as needed for TMDLs where Caltrans has been identified as a potential stakeholder.</li> <li>• Coordinate with various stakeholders (including County of Orange and affected Cities) and Regional Board on issues pertaining to the San Diego Creek/Upper Newport Bay Selenium</li> </ul>

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## 7 Region-Specific Activities

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Section 7 of the DWP describes and identifies the applicable region-specific activities that District 12 has planned for the fiscal year to address total maximum daily loads (TMDLs), for which the District has been identified as a stakeholder, and other region-specific requirements from Attachment V of the *National Pollutant Discharge Elimination System (NPDES) Statewide Storm Water Permit Waste Discharge Requirements (WDRs) for State of California Department of Transportation* (Order Number 2012-0011-DWQ, NPDES Number CAS000003, Effective July 1, 2013) if applicable to the District.

### Total Maximum Daily Loads

A summary of planned District projects and participation efforts for TMDL compliance is provided. This information may include a general discussion of the load allocation assessment, approach, or strategy for achieving allocations under an Implementation Plan, and the coordination of activities with other stakeholders during the next fiscal year.

For each TMDL, the District develops a plan to conduct activities that will achieve TMDL compliance objectives. The activities may include designing or constructing structural BMPs, depending on the pollutant and level of mitigation required by the TMDL, or non-structural controls, such as maintenance activities, municipal coordination, and partnerships. The District strives to meet TMDL compliance objectives as it continues to work with the RWQCB to achieve the maximum feasible pollutant reduction.

Table 7-1 lists TMDL compliance activities for each TMDL in District 12 for which Caltrans has been assigned a Waste Load Allocation (WLA), an implementation plan has been approved, and has a compliance deadline.

For each TMDL listed in the table, the following is indicated:

- RWQCB
- Water Body Name
- Pollutant
- Load Reduction Implementation Date – the timeframe to achieve load reduction goals
- Monitoring – compliance alternatives for implementing mitigation measures to comply with the TMDL, including, if known, a time frame for development of the compliance alternatives
- TMDL Municipal/Stakeholder Coordination – Coordination with municipalities and local stakeholders on how to meet load reduction goals and the proposed BMPs to be implemented in coordination with municipal and other stakeholders (if applicable)
- Planned Actions – specific activities the District intends to conduct during the fiscal year to comply with the TMDL by the deadline

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*Table 7-1: District 12 TMDL Activities*

Regional Board	TMDL Name	Effective Date	District Specific Implementation Activities	Compliance Date (if applicable)	Monitoring	TMDL Municipal/ Stakeholder Coordination	Planned Actions
8	San Diego Creek/ Upper and Lower Newport Bay Organochlorine Compounds TMDL	Pending	<p>Revise existing NPDES permits</p> <p>Revise planning processes to assure proper communication of Regional Board-SWPPP Improvement Program (upon revision of SW permit)</p> <p>Evaluate/implement BMPs effective in reducing/ eliminating organochlorine discharges</p> <p>Evaluate sources of OCs; develop and implement BMPs accordingly</p> <p>Conduct special studies (to be determined)</p> <p>Develop TMDL Implementation Workplan</p>	As soon as possible but no later than 7 years after OAL Approval	NA	No activities planned pending the State of California's Office of Administrative Law (OAL) approval of the Basin Plan Amendment and NPDES permit renewal	NA

*Table 7-1: District 12 TMDL Activities*

Regional Board	TMDL Name	Effective Date	District Specific Implementation Activities	Compliance Date (if applicable)	Monitoring	TMDL Municipal/ Stakeholder Coordination	Planned Actions
8	Toxics TMDL for San Diego Creek and Newport Bay Watershed, Selenium TMDL <sup>14,15</sup>	Pending	Submit a Basin Plan Amendment to RWQCB	Pending	Pending	The County of Orange is the lead agency for the Nitrogen Selenium Group (to which Caltrans no longer belongs), submitted a strategic plan to Santa Ana RWQCB to comply with the deadline for the Time Scheduled Order. RWQCB staff is expected to prepare a Basin Plan Amendment, including a Site Specific Objective (SSO) and revised Selenium TMDLs	Pending
9	San Diego Beaches	4/4/2011	Meet 50% Interim REC-1 for Priority 1  Meet 50% Interim REC-1 for Priority 2  Meet 50% Interim REC-1 for Priority 3  Meet 100% Interim REC-1 for Priority 1, 2 and 3  Meet 100% Final REC-1, SHELL for Priority 1, 2 and 3	4/4/2016  4/4/2017  4/4/2018  4/4/2021  4/4/2031	Ongoing effort	Work is ongoing, all stakeholders are working on Comprehensive Load Reduction Plans (CLRPs)	Focus continues on both structural and non-structural components

<sup>14</sup> In 2002, the EPA issued a Toxics TMDL for the Watershed, which is now being broken down into 5 separate TMDLs by the State (including a TMDL for selenium)

<sup>15</sup> Order No. R8-2004-0021 incorporates an alternative compliance approach by authorizing the formation of a Working Group and the implementation of a Work Plan to develop a comprehensive understanding of and management plan for selenium and nitrogen groundwater-related inflows in the watershed.

## **Other Region-Specific Requirements**

District 12 has not been identified in Attachment V of Order 2012-0011-DWQ and does not have other region-specific requirements.

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