

**California Department of Transportation  
Stormwater Management Program  
District 1 Work Plan**

Fiscal Year

**2012-2013**

CTSW-RT-12-286.12.1



California Department of Transportation  
Division of Environmental Analysis  
Stormwater Management Program  
1656 Union Street, Eureka, California 95501

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

April 1, 2012



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**California Department of Transportation**  
**District 1 Certification**  
**District Work Plan 2012-13**

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 assure 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 true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]



*Feb 29, 2012*

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**Charles C. Fielder**

**Date**

**District 1**

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# 1 Introduction

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## General Information about the District Work Plan

The District Work Plans (DWP) 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 April 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 1'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 2012-13. Implementation activities will be conducted in accordance with the procedures presented in the SWMP.

The DWP's six chapters describe how the District plans to implement the stormwater program during the upcoming fiscal year. Chapter 1 introduces the DWP, describes its organizational structure, and identifies the key goals and commitments made by the District for the upcoming fiscal year. Chapter 2 describes the personnel with stormwater operations responsibilities in the District. In Chapter 3, the District's facilities are listed and categorized by type and location. Chapter 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 Chapter 5, the District's implementation activities are summarized, 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. Chapter 6 identifies the total maximum daily loads (TMDLs) for which the District has been named a stakeholder, and a general discussion of planned TMDL actions.

## District Goals and Commitments

The District is continuing to implement the stormwater program with increased awareness among all employees. Management, from the Director of Caltrans to the District Director, has stressed the importance of our storm water compliance responsibilities and has committed to increasing awareness and compliance throughout Caltrans.

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## **2 District Personnel and Responsibilities**

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Chapter 2 of the DWP describes positions, addresses, and telephone numbers of personnel with responsibilities for stormwater operations within the District. This chapter also identifies positions having signatory authority for various notifications or documents required for submittal by the District (e.g., notice of construction or NOC).

### **District NPDES Stormwater Coordinator**

The District NPDES Stormwater Coordinator serves as liaison with the Water Quality Program. Liaison activities include conducting meetings related to stormwater management issues with the coordinators from each functional unit and with other municipal separate storm sewer system (MS4) permittees to discuss problems and concerns. Liaison activities also include regular communications with representatives of the RWQCBs. The functional unit coordinators will assist the District Divisions in implementing the Division's stormwater management activities. The District NPDES Stormwater Coordinators also provide coordination with Caltrans' Headquarters functional programs and the Districts.

In addition, the NPDES Stormwater Coordinators have the following responsibilities:

- Serving as the point of contact for regulatory inquiries regarding implementation of the Statewide SWMP.
- Receiving and responding to public inquiries made to the Districts regarding stormwater management issues.
- Coordinating, tracking and reporting the District's response to illicit connections/illegal discharges (IC/IDs) and nonpermitted non-stormwater discharges.
- Reporting instances of noncompliance to the RWQCBs unless otherwise indicated in the District Work Plan.

### **Maintenance Coordinator**

The District Maintenance Stormwater Coordinators serve as point of contact for all Maintenance Stormwater Program inquiries. In coordination with the NPDES Coordinator, the Maintenance Stormwater Coordinator reports instances of stormwater discharges from highway facilities to the RWQCBs.

### **Construction Coordinator**

The District Construction Stormwater Coordinator serves as point of contact for all Construction Stormwater Program inquiries. In coordination with the NPDES Coordinator, the Construction Stormwater Coordinator reports instances of stormwater discharges from highway facilities to the RWQCBs. The Construction Stormwater Coordinator is responsible for conducting inspections to assist the Registered Engineer (RE) in ensuring that stormwater controls are implemented on construction sites and to assist the REs in reviewing SWPPPs/WPCPs.

### **Engineering Services (Hydraulics) Representative**

The Hydraulics Representative provides assistance with treatment design.

## Public Affairs Coordinator

The Public Affairs Coordinator is the lead for Public Outreach activities within the District, and provides support to the Adopt-A-Highway Coordinator used in public education.

## Encroachment Permits Coordinator

The District Encroachment Permits Stormwater Coordinator serves as point of contact for all Encroachment Permits Stormwater Program inquiries. In coordination with the NPDES Coordinator, the Encroachment Permits Stormwater Coordinator reports instances of stormwater discharges from highway facilities to the RWQCBs.

## Landscape Architecture Coordinator

The Landscape Architecture Coordinator prepares erosion control plans and specifications for capital projects.

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

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

Staff Name	Title	Phone No.	E-mail	Responsibility
Katrina Pierce	Chief, North Region Environmental	(530) 741-4277	katrina_pierce@dot.ca.gov	Oversees all North Region Environmental employees
David Melendrez	Chief, North Region Office of Environmental Engineering-North	(707) 445-5201	david_melendrez@dot.ca.gov	Oversees all Office of Environmental Engineering-North within Districts 1 and 2
Alex Arévalo	North Region District 1 NPDES Coordinator	(707) 441-4674	alex_arevalo@dot.ca.gov	Primary contact for all District 1 NPDES stormwater issues
Wes Faubel	North Region Design Stormwater Coordinator	(530) 741-4270	wesley_faubel@dot.ca.gov	Assists Design, provides guidance on BMP selection and implementation during design, monitors for compliance w/ SWMP
Sheila Enright	North Region Assistant Design Stormwater Coordinator	(707) 445-5224	sheila_enright@dot.ca.gov	Assists Design, provides guidance on BMP selection and implementation during design, monitors for compliance w/ SWMP
Walt Dragoloski	North Region Construction Stormwater Coordinator – West Area	(707) 445-6697	walt_dragoloski@dot.ca.gov	Assists RE, inspects stormwater controls on construction sites, reviews SWPPPs/WPCPs
Vacant	District Hydraulics Engineer	(707) 441-3991	-	Supervises Maintenance Stormwater Coordinator, Major Damage Coordinator and Maintenance Hydraulics
Brett Johnson	District 1 Maintenance Stormwater Coordinator-Roadside/Facilities	(707) 441-2014	brett_l_johnson@dot.ca.gov	Provides guidance on Maintenance BMP selection and implementation, monitors for compliance w/ SWMP
Laura Lazzarotto	District 1 Landscape Architecture Coordinator	(707) 445-7878	laura_lazzarotto@dot.ca.gov	Provides erosion control designs and specifications for capital projects

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

<b>Staff Name</b>	<b>Title</b>	<b>Phone No.</b>	<b>E-mail</b>	<b>Responsibility</b>
Glen Hurlburt	District 1 Hydraulics Representative	(707) 441-2037	glenn_hurlburt@dot.ca.gov	Provides assistance with treatment design and fish passage
Ann Jones	District 1 Public Information Officer	(707) 445-6444	ann_jones@dot.ca.gov	Coordinates public outreach education activities
John Carson	District 1 Encroachments Permits Stormwater Coordinator	(707) 445-6385	john_carson@dot.ca.gov	Provides guidance to District 1 Encroachment Permits staff and permittees on stormwater issues
Chris Clifford	District 1 Encroachments Permits Stormwater Coordinator	(707) 441-5741	chris_clifford@dot.ca.gov	Provides guidance to District 1 Encroachment Permits staff and permittees on stormwater issues

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 1 Signatory Authority for Key Documents*

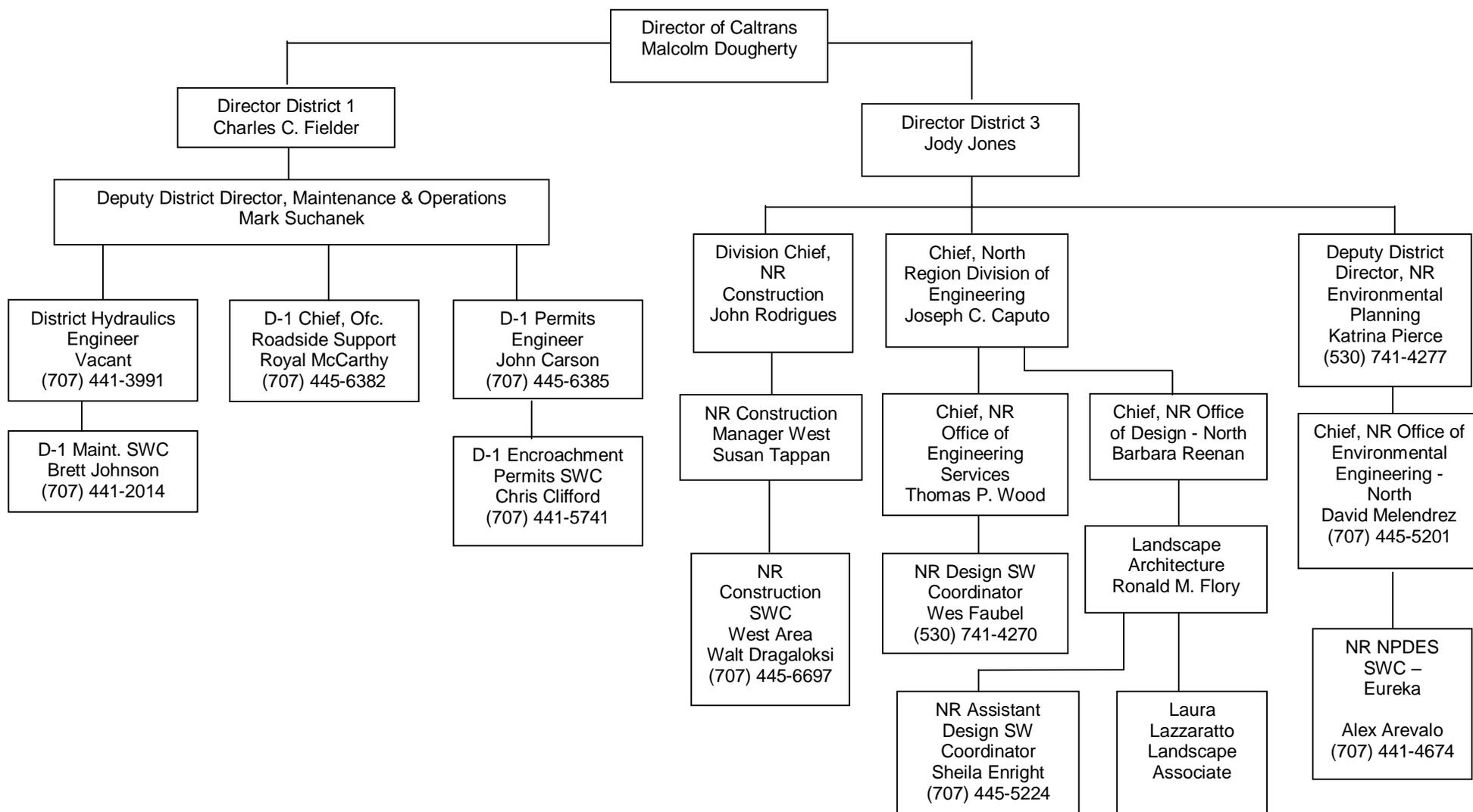
<b>Position or Individual</b>	<b>Phone No.</b>	<b>E-mail</b>	<b>Documents Authorized for Signatures</b>
District Director Charles C Fielder	(707) 445-6445	charlie_fielder@dot.ca.gov	All District Documents
Deputy District Directors/NR Division Chiefs Susan Tappan – Construction	(707) 441-3990	susan_tappan@dot.ca.gov	All District Documents
Chief, North Region Office of Environmental Engineering- North David Melendrez	(707) 445-5201	david_melendrez@dot.ca.gov	All District Documents except District Work Plan
North Region NPDES Coordinator Alex Arévalo	(707) 441-4674	alex_arevalo@dot.ca.gov	All District Documents except District Work Plan
Construction Stormwater Coordinator Walt Dragaloski	(707) 445-6697	walt_dragaloski@dot.ca.gov	SWPPP, Notice of Construction (NOC), Notice of Construction Completion (NCC), Notice and Report of Non-Compliance, Discharge or threat of Discharge Notification
Maintenance Stormwater Coordinators, Managers and HazMat Manager Brett Johnson	(707) 441-2014	brett_L_Johnson@dot.ca.gov	Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, Report of Illicit Connection/Discharge (IC/ID)

*Table 2-2: District 1 Signatory Authority for Key Documents*

<b>Position or Individual</b>	<b>Phone No.</b>	<b>E-mail</b>	<b>Documents Authorized for Signatures</b>
Construction Engineer/ Resident Engineers	-	-	SWPPPs, NOC/NCC, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, and Report of IC/ID
Permit Stormwater Coordinator John Carson	(707) 445-6385	john_carson@dot.ca.gov	SWPPPs, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, NOC/NCC
Encroachment Permits Stormwater Coordinator Chris Clifford	(707) 441-5741	chris_clifford@dot.ca.gov	SWPPPs, NOC/NCC, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, and Report of Illicit Connection/Discharge
Facility Supervisor	-	-	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 1 Organizational Chart



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

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Chapter 3 of the DWP identifies crew and address information about Caltrans maintenance stations, vista points, commercial vehicle enforcement areas, roadside rest areas, park and ride facilities, toll road and bridge plazas, equipment shops, and other Caltrans facilities. For security reasons, the table and map identifying these facilities is not available to the public to comply with the Department of Homeland Security Policy. 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

Chapter 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 areas consider project features that enhance spill response.

A list of drinking water reservoirs and recharge facilities within District 1 is presented in Table 4-1. Drinking water reservoirs and recharge facilities are areas such as locations where spills from District-owned ROWs, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities.

To generate the list of municipal, domestic water supply reservoirs, and ground water 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.

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

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
101/42.9	MEN	1	Chinquapin Lake Intake	Water for Pine Mountain Mutual Water Company	2 miles to facility
101/42.8	MEN	1	Morris Reservoir	Water for City of Willits	0.8 miles to facility

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## 5 Implementation

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Chapter 5 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. Equal to or greater than 1 acre of disturbed land area, including area of a new bridge
2. Adjacent to a Drinking Water or Groundwater Recharge Facility, as described in chapter 4 of the DWP
3. A supplemental environmental project
4. Additional projects per agreement between the District and local RWQCB

Projects listed in Table 5-1 include (where applicable):

1. Location (county, route and post mile limits)
2. Project number (expense authorization)
3. Basic Project Description
4. Disturbed land 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 Groundwater Recharge Facility within or adjacent to project (as identified in chapter 4 of the DWP)
7. Projected milestone dates of PA/ED, PS&E, begin Construction, and end Construction
8. Treatment control status
9. Dredge and fill (CWA-401) activities within the project

The updated lists of projects meeting these criteria will also be provided to the RWQCBs semi-annually on April 1st and October 1st. Furthermore, this chapter 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 chapter 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 5-1: District 1 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>	Disturbed Land Area/New Impervious Area (acres)	Treatment Control Status Type, Quantity <sup>5</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	0B270	DN	101	15.1	15.3	1	Repair Roadway Failures	Wilson Creek	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	Oct 2015
2	0B280	DN	101	17.5		1	Reconstruct Roadway	Pacific Ocean	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	Oct 2015
3	43640	DN	101	36.1		1	Replace Bridge	Smith River	Y	>1/NA	C	July 2013	Sept 2014	Sept 2015	Dec 2018
4	45490	DN	197	3.2	4.0	1	Widening	Smith River	Y	TBD	TBD	Jan 2012	Dec 2012	Jun 2013	Dec 2014
5	48110	DN	197	4.5		1	Widening	Smith River	Y	TBD	TBD	Jan 2012	June 2012	Oct 2012	Dec 2013
6	0B310	DN	199	8.7		1	Construct Buttress	Smith River	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	Oct 2015
7	47940	DN	199	20.5	25.7	1	Shoulder Widening & Bridge Widening/ Replacement	Smith River	Y	TBD	C	Jan 2012	Dec 2012	Nov 2013	Apr 2017
8	45000	DN	199	22.7	23.0	1	Widening	Smith River	Y	TBD	TBD	Jan 2012	Feb 2012	Jun 2012	Dec 2013
9	0B320	DN	199	24.6		1	Construct Soldier Pile Wall	Smith River	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	Oct 2015
10	0B330	DN	199	26.3		1	Reconstruct Roadway and Drainage	Smith River	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	Oct 2015
11	44830	DN	199	26.3	26.5	1	Widen Left Shoulder	Smith River		TBD	TBD	Jan 2012	Dec 2012	Jun 2013	Dec 2015
12	32330	HUM	36	5.8	7.6	1	Widen for Left-turn Channelization	(Van Duzen River)	N	7.7/2.3	BS	Jun 2006	May 2009	Oct 2012	Feb 2014

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

<sup>2</sup> Projects adjacent to Drinking Water Reservoirs or Ground Water 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> Treatment Control Status identified by: device type/number of devices, exempt ("E"), no treatment (NT), or under consideration ("C"). See Treatment Control Status Legend below for device type abbreviations.

*Table 5-1: District 1 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>	Disturbed Land Area/New Impervious Area (acres)	Treatment Control Status Type, Quantity <sup>5</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	0B340	HUM	36	22.8	27.7	1	Reconstruct Roadway and Drainage	(Van Duzen River)	TBD	TBD	TBD	June 2012	Feb 2013	Feb 2014	Sept 2015
14	47550	HUM	36	23.3	28.2	1	Repair Storm Damage	(Van Duzen River)	Y	2.6/0	NT	Feb 2010	May 2011	Dec 2011	Oct 2013
15	0B350	HUM	36	30.2		1	Stabilize Roadway	(Van Duzen River)	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	Oct 2015
16	0B360	HUM	36	35.5	40.5	1	Reconstruct Roadway and Drainage	(Van Duzen River)	TBD	TBD	TBD	June 2012	Feb 2013	Mar 2014	Oct 2015
17	0B370	HUM	36	44.4		1	Slide Repair	(Van Duzen River)	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	Oct 2015
18	0B380	HUM	96	4.1		1	Slide Repair	(Trinity River)	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	Oct 2015
19	46480	HUM	101	1.1	2.2	1	STAA Operational Improvement Project	(South Fork Eel River)	Y	>1/0.3	NT	May 2010	Sept 2012	July 2011	Oct 2012
20	43170	HUM	101	2.3	66.3	1	Culvert Rehabilitation	(South Fork Eel River)	Y	0.13/0	NT	March 2007	Sept 2008	May 2012	June 2013
21	0B400	HUM	101	15.0		1	Reconstruct Roadway and Drainage	(South Fork Eel River)	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	Dec 2015
22	0B410	HUM	101	40.9		1	Reconstruct Roadway and Dewater	(Eel River)	TBD	TBD	TBD	June 2012	Feb 2013	Mar 2014	Oct 2015
23	49650	HUM	101	60.3		1	Excavate Hazardous Waste	(Eel River)	N	TBD	E	Sept 2012	Aug 2013	Apr 2014	May 2015
24	36600	HUM	101	79.9	85.8	1	Upgrade 4-Lane Facility	(Humboldt Bay)	Y	52/9	BS	July 2012	Apr 2013	Nov 2013	Nov 2017
25	0B420	HUM	101	110.6		1	Construct Buttress and Dewater	Big Lagoon	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	Oct 2015
26	0B430	HUM	101	111.4	114.6	1	Big Lagoon Slipout Repair	Big Lagoon	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	Oct 2015
27	43060	HUM	254	0.8	43.1	1	Replace Bridge Rails and Widen (Four Bridges)	(Eel River)	Y	TBD	TBD	Aug 2012	June 2013	Apr 2014	Apr 2016
28	47501	HUM	254	5.8	5.9	1	Construct Soldier Pile Retaining Wall	(South Fork Eel River)	Y	0.27/0.02	NT	Dec 2008	Apr 2010	Jan 2012	Sept 2013

*Table 5-1: District 1 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>	Disturbed Land Area/New Impervious Area (acres)	Treatment Control Status Type, Quantity <sup>5</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
29	47502	HUM	254	11.0	11.1	1	Repair Storm Damage	(South Fork Eel River)	Y	0.3/0	NT	Oct 2011	Jan 2012	Dec 2012	Oct 2013
30	47520	HUM	254	22.3	40.0	1	Place HMA over CL2 AB Replace CSP	(Eel River)	Y	0.5/0	NT	June 2009	Oct 2010	Dec 2011	July 2013
31	29611	HUM	255	7.7		1	Wetland Mitigation	(Humboldt Bay)	TBD	TBD	NT		Dec 2012	Aug 2013	Sept 2014
32	29612	HUM	299	4.2		1	Fish and Riparian Mitigation (Culvert Rehabilitation)	(Mad River)	Y	TBD	NT		Dec 2011	Aug 2012	Aug 2013
33	47440	HUM	299	8.5		1	Repair Slide and Upgrade Drainage	(Mad River)	Y	1.62/0	NT	Mar 2009	Apr 2010	Mar 2012	Jan 2014
34	0B450	HUM	299	10.7	26.1	1	Repair Slides and Slipouts	(Mad River, Redwood Creek)	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	Oct 2015
35	42370	HUM	299	20.2	20.5	1	Reconstruct Roadway	(Redwood Creek)	Y	2/0.36	NT	Sept 2011	Nov 2011	Nov 2012	Nov 2013
36	43740	HUM	299	30.7		1	Buttress Slope and Reconstruct Roadway	(Trinity River)	Y	TBD	TBD	Oct 2011	May 2012	Jan 2013	Dec 2013
37	0B460	HUM	299	32.0		1	Stabilize Roadway	(Trinity River)	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	Oct 2015
38	45910	HUM	VAR	VAR		1	Rehabilitate Drainage	TBD	Y	TBD	TBD	Jan 2013	Apr 2013	Sept 2013	Apr 2014
39	49771	MEN	1	2.3	2.5	1	Permanent Restoration: Repair Slipout / Repair Drainage	Pacific Ocean	Y	TBD	TBD	July 2012	May 2013	Jan 2014	Feb 2015
40	44650	MEN	1	4.47		1	Extend Downdrain	Pacific Ocean	Y	<1/0	NT	Aug 2010	May 2012		
41	46580	MEN	1	14.9	21.7	1	Pacific Coast Bike Route Phase II	(Garcia River), Point Arena	N	0.6/TBD	NT	Mar 2011	Aug 2011	Apr 2012	Feb 2013
42	31010	MEN	1	33.4	33.9	1	Widen Road and Replace Bridge	Greenwood Creek	Y	3.25/0.18	BS	June 2009	Feb 2010	Nov 2011	Dec 2014

*Table 5-1: District 1 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>	Disturbed Land Area/New Impervious Area (acres)	Treatment Control Status Type, Quantity <sup>5</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
43	0B470	MEN	1	35.7		1	Repair Slipout	Pacific Ocean	TBD	TBD	TBD	Sept 2012	May 2013	Feb 2014	July 2015
44	47480	MEN	1	38.5	38.8	1	Realign Roadway, Place HMA over AB	Pacific Ocean	Y	5/0.7	BS	Jan 2009	May 2011	Nov 2011	Aug 2013
45	48470	MEN	1	40.1	40.9	1	Construct MBGR & Centerline Rumble Strips	(Navarro River)	N	0.53/0.33	NT	May 2009	Apr 2012	June 2013	May 2014
46	40140	MEN	1	42.4	43.3	1	Bridge Replacement	Salmon Creek	Y	TBD	TBD	June 2022	Mar 2024	Mar 2025	Apr 2027
47	40110	MEN	1	43.3	44.2	1	Replace Bridge	(Albion River)	Y	6.6/2	BS	Feb 2014	Dec 2015	Oct 2016	Nov 2019
48	47490	MEN	1	70.5		1	Repair Storm Damage	Pacific Ocean	Y	TBD	TBD	Aug 2011	May 2012	Nov 2012	Oct 2013
49	38572	MEN	1	88.7	92.8	1	Remove Culvert, Construct Bridge, Improve Fish Passage	Dunn Creek	Y	1.45/0.04	NT	April 2011	Oct 2011	Aug 2012	Mar 2014
50	0B490	MEN	1	91.8		1	Repair Slipouts	Mendocino Coast	TBD	TBD	TBD	June 2012	Feb 2013	Nov 2013	Apr 2015
51	36432	MEN	20	13.8	32.0	1	Rehabilitate Drainage	(Noyo River, Big River, Outlet Creek)	Y	TBD	NT	July 2010	Nov 2011	Dec 2012	Sept 2014
52	0B500	MEN	101	3.7	5.3	1	Repair Slides	(Russian River)	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	July 2015
53	26200	MEN	101	43.1	49.0	1	Construct 4-Lane Freeway, Phase I	(Outlet Creek)	Y	220/40.5	BS/D	Dec 2006	Sept 2011	July 2012	Apr 2018
54	40280	MEN	101	46.2	84.6	1	Culvert Rehabilitation	(Eel River)	Y	0.2/0	NT	Aug 2009	Oct 2011	Dec 2012	Oct 2014
55	41221	MEN	101	84.0		1	Repair Culvert and Place Scour Protection	(Rattlesnake Creek)	Y	0.2/0	NT	Aug 2009	May 2012	Mar 2013	July 2014
56	0B510	MEN	101	87.4	100.4	1	Repair Slides and Slipout	(South Fork Eel River)	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	July 2015
57	37817	MEN	128	0.2	11.1	1	Culvert Rehabilitation	(Navarro River)	Y	TBD	NT	June 2005	Apr 2013	Dec 2013	June 2015

*Table 5-1: District 1 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>	Disturbed Land Area/New Impervious Area (acres)	Treatment Control Status Type, Quantity <sup>5</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
58	37814	MEN	128	10.6	23.3	1	Culvert Rehabilitation	(Navarro River)	Y	TBD	TBD	June 2005	Jan 2013	May 2013	Dec 2013
59	37816	MEN	128	14.3	40.6	1	Culvert Rehabilitation	(Navarro River)	Y	TBD	TBD	June 2005	Sept 2011	Nov 2012	July 2014
60	37813	MEN	128	30.1	48.4	1	Culvert Rehabilitation	(Navarro River, Russian River)	Y	TBD	TBD	June 2005	Apr 2012	Oct 2012	May 2013
61	47660	MEN	128	34.5	35.5	1	Repair Storm Damage	Rancheria Creek, trib to (Navarro River)	Y	TBD	NT	Sept 2011	July 2012	Feb 2013	Feb 2014
62	0B520	MEN	128	39.5	39.8	1	Stabilize Roadway	(Navarro River)	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	July 2015
63	37812	MEN	128	48.6	50.3	1	Culvert Rehabilitation	(Russian River)	Y	TBD	NT	June 2005	Apr 2011	Aug 2012	Sept 2013
64	49190	MEN	162	5.49		1	Drainage Repair	(Eel River)	Y	<1/0	NT	June 2010	May 2012		
65	0B540	MEN	162	13.9	22.7	1	Repair Slipouts	(Eel River)	TBD	TBD	TBD	Sept 2012	May 2013	Feb 2014	June 2015
66	0B550	MEN	162	16.1		1	Stabilize Roadway	(Eel River)	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	July 2015
67	0B560	MEN	253	1.5	1.8	1	Boonville Slide	(Navarro River)	TBD	TBD	TBD	Sept 2012	May 2013	Feb 2014	July 2015
68	0B570	MEN	253	6.8		1	Stabilize Roadway	(Navarro River)	TBD	TBD	TBD	Sept 2012	June 2013	Mar 2014	July 2015
69	47620	MEN	253	7.2	8.3	1	Construct Tie Back Wall, MBGR, HMA	(Navarro River, Russian River)	Y	<1/TBD	NT	June 2009	Feb 2011	Dec 2011	July 2013
70	49710	MEN	271	7.2		1	Hazardous Waste Mitigation	(Eel River)	N	TBD	NT	July 2012	Jan 2013	Sept 2013	Oct 2014
71	47560	HUM	36	29.0	29.5	1	Cold Plane AC Pvmnt, Place HMA and Construct Tieback Retaining Wall	(Van Duzen River)	Y	0.2/0.016	NT			Dec 2010	Dec 2012
72	47580	HUM	36	39.5		1	Construct Tieback Retaining Wall	(Van Duzen River)	Y	1.0/0.06	NT			Nov 2010	June 2013

*Table 5-1: District 1 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>	Disturbed Land Area/New Impervious Area (acres)	Treatment Control Status Type, Quantity <sup>5</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
73	45180	HUM	101	12.9	13.7	1	Repair Drainage Systems	(South Fork Eel River)	Y	<1.0	NT			Dec 2009	Oct 2012
74	29610	HUM	101	89.3	90.2	1	Replace Bridges	(Mad River)	Y	19.6/NA	NT			Sept 2008	Feb 2014
75	48240	HUM	299	0.7		1	Install Irrigation System	(Mad River)	N	>1.0/0	NT			Feb 2011	Oct 2012
76	47260	MEN	1	82.1	82.3	1	Construct Tieback Retaining Wall, MBGR	Pacific Ocean	Y	<1/NA	NT			Nov 2010	Oct 2012
77	49990	MEN	101	19.7	30.8	1	Install Median Cable Barrier	(Russian River)	N	16.2/5.4	BS			Jan 2011	Nov 2012
78	39754	MEN	101	98.9	100.8	1	Remove Retaining Wall and Place RSP	(South Fork Eel River)	Y	>1.0/NA	NT			Sept 2011	Dec 2012
79	37815	MEN	128	40.9	50.0	1	Replace Culverts	(Russian River), (Navarro River)	Y	1.5/0	NT			Mar 2011	Apr 2013
80	38050	MEN	222	1.0		1	Replace Bridge	(Russian River)	Y	3/0.11	BS			June 2009	Sept 2012
81	48860	LAK	20	8.1	8.6	5	Improve Intersection	(Clear Lake)	Y	1.9/0.8	NT	Feb 2012	Feb 2013	Dec 2013	Dec 2014
82	48050	LAK	20	11.9	12.4	5	Construct Roundabout	(Clear Lake)	N	3.4/-0.25	NT	Aug 2008	May 2011	Nov 2011	Nov 2012
83	2981U	LAK	29	23.8	31.6	5	Upgrade to 4 Lane Expressway	(Cache Creek)	Y	100/NA	C	Mar 2015	Dec 2016	Aug 2017	Sept 2018
84	3986U	LAK	53	2.8	7.5	5	Widen Roadway with HMA over AB	(Cache Creek)	Y	35/9	BS			Feb 2011	Dec 2012

*Table 5-1: District 1 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>	Disturbed Land Area/New Impervious Area (acres)	Treatment Control Status Type, Quantity <sup>5</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
85	0A470	VAR	VAR	VAR		1, 5	17 Bridge Rehab – Scour	Baechtel Creek, Broaddus Creek, Ten Mile Creek, Russian River, Maple Creek, Upp Creek, North Fork Cold Creek, (South Fork Eel River), Short Creek, Orrs Creek, Austin Creek, Robinson Creek, (Outlet Creek), Kelsey Creek, Cole Creek	Y	TBD	TBD	Jan 2013	Aug 2013	Nov 2013	Jan 2016
86	0A460	VAR	VAR	VAR		1	9 Bridge Rehab – Scour	(Eel River), Greenlaw Creek, McCoy Creek, Schooner Gulch, (Garcia River), Elk Creek, (Navarro River), Cottoneva Creek, Little River	Y	TBD	TBD	Jan 2013	Aug 2013	Nov 2013	Jan 2016

<b>Treatment Control Status Legend</b>	
<b>BMP Device Types:</b>	
BS	Biofiltration Strips and/or Swales
D	Detention Devices
DWFD	Dry Weather Flow Diversion
GSRD	Gross Solids Removal Devices
ID	Infiltration Devices
MF	Media Filters
MCTT	Multi-chambered Treatment Trains
TST	Traction Sand Traps
WB	Wet Basins

Table 5-2 lists planned maintenance activities involving water bodies that may require action by the RWQCB under Section 401 of the Clean Water Act.

*Table 5-2: District 1 Anticipated Maintenance Activities and Other Management Practices*

Significant Road Maintenance Activities								
No.	Co.	Route	PM	Regional Board	Description	Water Bodies Affected <sup>6</sup>	Start Date	Completion Date
49940	DN	101	4.4/12.6	1	Hot Mix Asphalt Open Graded	Wilson Creek, Pacific Ocean	May 2011	Dec 2012
0A740	DN	101	12.7/15.5	1	Rubberized HMA Overlay	Wilson Creek, Pacific Ocean	April 2012	Aug 2012
49870	DN	101	15.4/20.5	1	Pavement Overlay, Centerline Rumble Strips, Restripe	Wilson Creek	June 2012	July 2013
39910	HUM	36	1.7/13.5	1	HMA Overlay and Rumble Strip	Van Duzen River	Nov 2011	Nov 2012
49880	HUM	101	45.9/47.6	1	Place HMA Type OG and install Centerline and Right Shoulder Rumble Strips	Eel River	June 2012	Dec 2012
0A210	HUM	101	69.9/74.8	1	Replace AC Surfacing	Eureka Plain	Nov 2012	Jan 2013
36330	HUM	101	79.8/87.8	1	Capital Preventative Maintenance	Eureka Plain	July 2012	June 2013
0A150	HUM	211	74.4/79.2	1	Rubberized HMA	Eel River	June 2012	Dec 2012
49840	HUM	254	12.7/20.6	1	HMA Overlay	Eel River	June 2011	Dec 2012
0A780	HUM	255	0.5/8.3	1	Bonded Wearing Course	Eureka Plain	Nov 2012	Mar 2013
0A200	HUM	299	0.0/5.9	1	Replace AC Surfacing	Mad River	Oct 2012	Dec 2012
46390	HUM	VAR		1	Reconstruct Guard Railing	Various	Jan 2013	Jan 2014
0A690	LAK	20	1.1/3.5	5	Install MBGR	Cache Creek, Upper Lake	June 2015	Nov 2016
0B000	LAK	20	13.5/31.4	5	Replace HMA, Apply Gap Graded Rubberized HMA	Clear Lake	June 2013	Aug 2014
49121	LAK	29	11.9/19.1	5	Rubberized Seal Coat	Upper Putah Creek, Upper Cache Creek	Jan 2013	June 2013
47920	LAK	29	20.1/20.4	5	Replace OGAC, Rumble Strip & Reconstruct MBGR	Cache Creek TMDL Area and Clear Lake	Nov 2011	Jan 2013
0A730	MEN	20	7.0/17.3	1	HMA Overlay	Noyo River, Big River	Apr 2012	Aug 2012

<sup>6</sup> Receiving waters within or adjacent to maintenance activity designated as "303(d) (constituent type)." Activity adjacent to Drinking Water Reservoir or Ground Water Recharge Facilities designated as "DW."

*Table 5-2: District 1 Anticipated Maintenance Activities and Other Management Practices*

Significant Road Maintenance Activities								
No.	Co.	Route	PM	Regional Board	Description	Water Bodies Affected <sup>6</sup>	Start Date	Completion Date
49070	MEN	20	19.9/26.3	1	OGAC Overlay, Centerline Rumble Strips, Upgrade MBGR	Big River, Noyo River	June 2012	June 2013
0A800	MEN	128	26.8/30.7	1	Rubberized Gap Graded	Navarro River	Nov 2012	Feb 2013
46420	MEN	VAR	VAR	1	Reconstruct Guard Railing	Various	Apr 2012	Aug 2014
0A850	MEN	VAR	VAR	1	HMA Overlay	Various	Sept 2012	Feb 2013

Table 5-3 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 5-3: District 1 General Management Practices*

<b>Monitoring Activities</b>
As required by Construction General Permit, 401 Certifications, Cache Creek TMDL and Clear Lake Nutrient TMDL
<b>Public Education and Participation</b>
Activities will be limited due to budget constraints.
<b>Municipal Coordination</b>
Attend North Coast Storm Water Coalition meetings as needed.

## 6 Total Maximum Daily Loads

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Chapter 6 of the DWP describes and identifies the total maximum daily loads (TMDLs) for which the District has been identified as a stakeholder. 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 6-1 lists TMDL compliance activities for each TMDL in District 1 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
- 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 6-1: District 1 TMDL Activities*

District	Regional Board	TMDL Name	Effective Date	District Specific Implementation Activities	Compliance Date (if applicable)	Monitoring	TMDL Municipal/ Stakeholder Coordination	Planned Actions
1	1	Garcia River Sediment TMDL	1/3/2002	Submit method of compliance (Option 1, 2, or 3)	1/3/2005	-	-	Comply with Waste Discharge Requirements
				Attain Numeric Targets	12/31/2049	-	-	-
1 & 2	1	Klamath River Nutrient TMDL	5/1/2011	Comply with requirements in revised statewide NPDES Permit (upon revision and adoption by State Board and U.S. EPA)	5/1/2011	-	-	None until new Caltrans permit adopted.
				Submit annual reports documenting progress toward TMDL requirements	4/30/2012	-	-	Submit Annual Report
1, 2 & 4	1	TMDL Implementation Policy for Sediment Impaired Waters	11/29/2004	Prevent, minimize where possible, otherwise compensate	ongoing	-	-	Implement on a project by project basis.
1 & 3	5	Cache Creek Mercury TMDL	2/7/2007	Implement erosion control or sediment containment plans	2/5/2018	-	-	Meet with RWQCB Staff to discuss erosion control plans for projects in the TMDL area.
1	5	Clear Lake Nutrient TMDL	9/27/2007	Compliance with WLA	6/19/2017	Assess Phosphorus concentrations	-	Implement technical memo approved by RWQCB staff.

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