

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

Fiscal Year

2013–2014

CTSW-RT-13-286.12.1



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, 2013



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**California Department of Transportation
District 1 Certification
District Work Plan 2013-14**

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)]



Charles C. Fielder

District 1



Date

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1 Introduction

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 2013-14. 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 ground water 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 newly-adopted Caltrans MS4 permit (effective July 1, 2013) will bring changes to Caltrans' Stormwater Management Program. The District intends to participate in meetings with Headquarters, the State and Regional Boards.

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2 District Personnel and Responsibilities

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 a District (e.g., notice of construction or NOC).

District NPDES Stormwater Coordinator

The District NPDES Stormwater Coordinators serve 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 RWQCB. 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 inquires 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 Regional Board.

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 Regional Board. 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 for adequacy.

Engineering Services (Hydraulics) Representative

The Hydraulics Representative provides assistance with treatment design.

Public Information Officer

The Public Information Officer is the lead for Public Outreach activities within the District, and provides materials and 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 Regional Board.

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	Deputy District Director, North Region Environmental Planning	(530) 741-4277	katrina_pierce@dot.ca.gov	Oversees all North Region Environmental employees
Cindy Anderson	Chief, North Region Office of Environmental Services - North	(530) 941-3340	cindy_anderson@dot.ca.gov	Oversees all North Region – North 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
Scott Lee	District Hydraulics Engineer	(707) 445-6556	scott_lee@dot.ca.gov	Supervises Maintenance Stormwater Coordinator, Major Damage Coordinator and Maintenance Hydraulics

Staff Name	Title	Phone No.	E-mail	Responsibility
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
James S. Hibbert III	NR Landscape Architecture Associate	(707) 441-3974	jim_hibbert@dot.ca.gov	Provides erosion control designs and specifications for capital projects
Laura Lazzarotto	NR Landscape Architecture Coordinator	(707) 445-7878	laura_lazzarotto@dot.ca.gov	Provides erosion control designs and specifications for capital projects
Glen Hurlburt	NR Hydraulics Representative	(707) 441-2037	glenn_hurlburt@dot.ca.gov	Provides assistance with treatment design and fish passage
Ann Steele	District 1 Public Information Officer	(707) 445-6444	ann_steele@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

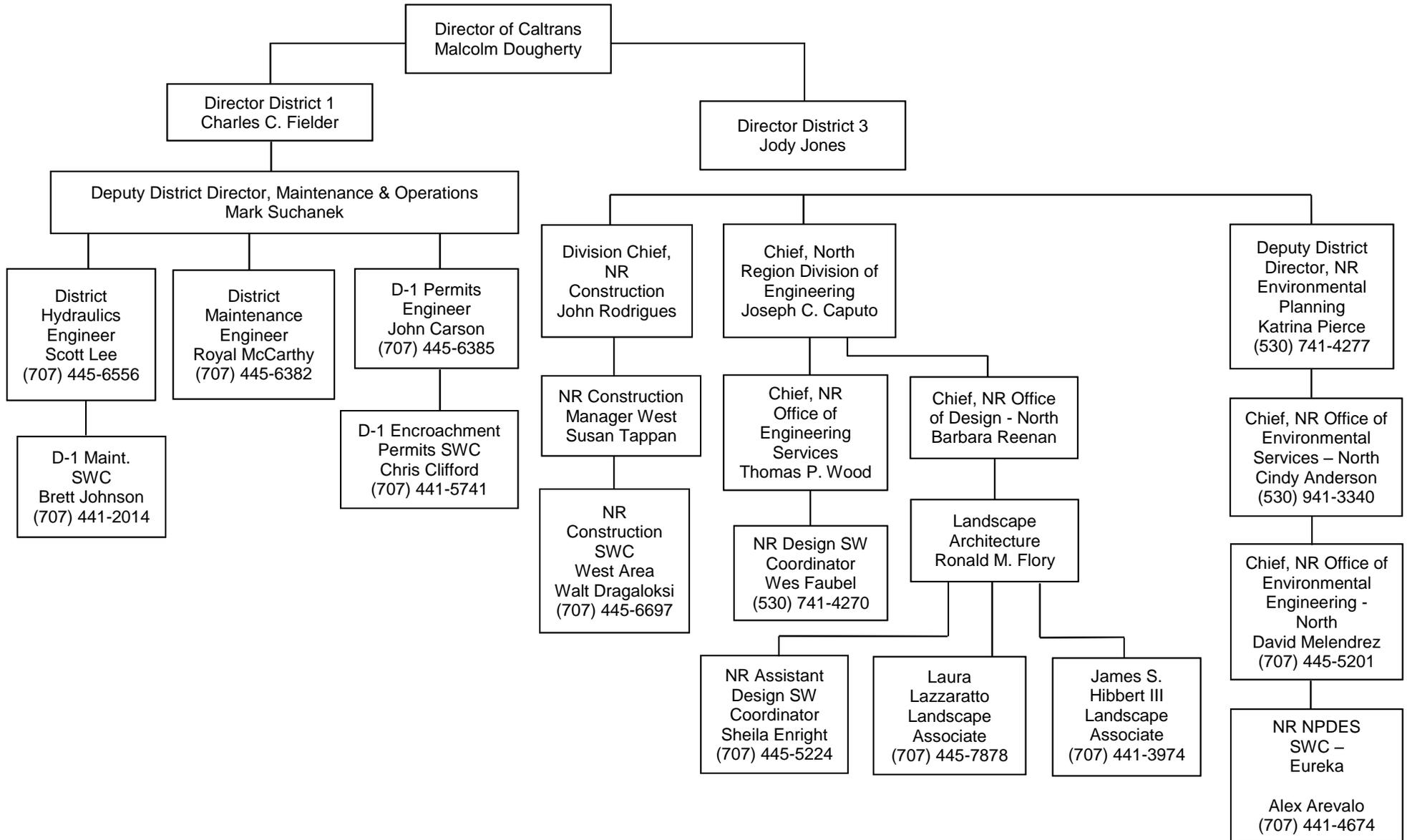
Table 2-2 lists individuals authorized to sign the documents, reports, and other information submitted by the District to either the SWRCB or the RWQCB(s). These individuals/positions may delegate authorization to their staff to sign various documents and reports required for implementation of the Stormwater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

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

Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
District Director Charles C Fielder	(707) 445-6445	charlie_fielder@dot.ca.gov	All District Documents
NR Construction Manager, West Susan Tappan –	(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 Coordinator 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)
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

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

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 Ground Water 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 Ground Water 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 RWQCB 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.

Table 5-1: District 1 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Disturbed Land Area/ New Impervious Area (acres)	Treatment Control Status Type, Quantity ⁵	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	49910	DN	101	0.9	20.3	1	Repair Drainage Facilities	Wilson Creek, Smith River, Pacific Ocean	TBD	TBD	NT	Feb 2013	Apr 2013	Oct 2013	Oct 2014
2	0B270	DN	101	15.1	15.3	1	Repair Roadway Failures	Pacific Ocean	TBD	TBD	TBD	Apr 2014	Oct 2015	Jan 2016	Dec 2016
3	0B280	DN	101	17.5	-	1	Reconstruct Roadway	Pacific Ocean	TBD	TBD	TBD	Feb 2014	Oct 2014	May 2015	Dec 2016
4	0B290	DN	101	21.7	22.9	1	Repair Slipouts	Pacific Ocean	TBD	TBD	TBD	Jan 2014	Feb 2015	Oct 2015	Dec 2017
5	0B300	DN	101	22.0	-	1	Stabilize Roadway	Pacific Ocean	TBD	TBD	TBD	June 2014	June 2015	Nov 2015	Dec 2017
6	43640	DN	101	35.8	36.5	1	Replace Bridge	Smith River	Y	7.4/1.2	C	Mar 2013	Feb 2015	Dec 2016	Dec 2019
7	45490	DN	197	3.7	4.0	1	Widening	Smith River	Y	TBD/0.14	C	Apr 2013	July 2013	Dec 2014	Dec 2015
8	48110	DN	197	4.5	-	1	Widening	Smith River	Y	0.3/0.07	E	Apr 2013	July 2013	Mar 2014	July 2015
9	0B310	DN	199	8.7	-	1	Construct Buttress	Smith River	TBD	TBD	TBD	July 2013	Aug 2013	Apr 2014	Oct 2015
10	47940	DN	199	20.5	25.7	1	Shoulder Widening and Bridge Replacement	Smith River	Y	2.8/0.4	BS	Apr 2013	Apr 2013	Jan 2014	May 2017
11	4500U	DN	199	22.7	26.5	1	Widening	Smith River	Y	TBD	C	Apr 2013	Aug 2013	May 2014	Dec 2016

¹ Supplemental Environmental Projects designated as "SEP."

² Projects adjacent to Drinking Water Reservoirs or Ground Water Recharge Facilities are noted (DW) and (GW), respectively.

³ Water bodies with designation for 303(d) designation are noted in parentheses.

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

⁵ Treatment Control Status identified by: device type/number of devices, exempt ("E"), no treatment (NT), to be determined (TBD), 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 ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Disturbed Land Area/ New Impervious Area (acres)	Treatment Control Status Type, Quantity ⁵	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&E Date	PS&E Date	Start Date	End Date
12	0B320	DN	199	24.6	-	1	Construct Soldier Pile Wall	Smith River	TBD	TBD	TBD	July 2013	Aug 2013	Apr 2014	Oct 2015
13	0B330	DN	199	26.3	-	1	Reconstruct Roadway and Drainage	Smith River	Y	TBD	TBD	Oct 2013	Oct 2013	June 2014	Dec 2015
14	0A100	DN	VAR	-	-	1	Bridge Seismic Retrofit	Smith River, Rowdy Creek	TBD	TBD	TBD	Aug 2014	Jan 2016	Feb 2017	Oct 2018
15	32330	HUM	36	5.8	7.6	1	Widen for Left-Turn Channelization	(Van Duzen River)	N	<1	BS	June 2006	May 2009	Jan 2013	May 2014
16	0B340	HUM	36	22.8	27.7	1	Reconstruct Roadway and Drainage	(Van Duzen River)	TBD	TBD	TBD	Oct 2013	Oct 2014	Apr 2015	Dec 2015
17	47550	HUM	36	23.3	28.2	1	Repair Storm Damage	(Van Duzen River)	Y	2.6/0	E	Feb 2010	May 2011	Dec 2011	Nov 2013
18	0B350	HUM	36	30.2		1	Repair Storm Damage	(Van Duzen River)	N	TBD	TBD	Aug 2013	Aug 2014	Nov 2014	Nov 2015
19	0B360	HUM	36	35.5	40.5	1	Reconstruct Roadway and Drainage	(Van Duzen River)	TBD	TBD	TBD	Oct 2013	Oct 2014	Apr 2015	Dec 2015
20	43790	HUM	36	41.8	41.9	1	Minor B	(Van Duzen River)	Y	TBD	TBD	May 2013	May 2014	-	-
21	0B370	HUM	36	44.4	-	1	Slide Repair	(Van Duzen River)	TBD	TBD	TBD	Oct 2013	Oct 2014	Apr 2015	Nov 2015
22	49200	HUM	36	VAR	-	1	Minor B 5 Locations	(Van Duzen River)	Y	TBD	NT	May 2013	May 2014	-	-
23	0B380	HUM	96	4.1	-	1	Slide Repair	(Trinity River)	TBD	TBD	TBD	Sept 2013	July 2014	Jan 2015	Nov 2015
24	0A990	HUM	96	6.2	6.5	1	Curve Improvement	(Trinity River)	TBD	TBD	TBD	Feb 2016	May 2017	Mar 2018	July 2019
25	0A110	HUM	101	0.0	0.0	1	Bridge Seismic Retrofit	(South Fork Eel River)	TBD	TBD	E	Nov 2016	Aug 2017	Mar 2018	Apr 2018

Table 5-1: District 1 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Disturbed Land Area/ New Impervious Area (acres)	Treatment Control Status Type, Quantity ⁵	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&ED Date	PS&E Date	Start Date	End Date
26	46480	HUM	101	1.1	2.2	1	STAA Operational Improvement	(South Fork Eel River)	Y	>1/0.3	NT	May 2010	Sept 2010	June 2014	Feb 2016
27	0B400	HUM	101	15.0	-	1	Reconstruct Roadway and Drainage	(South Fork Eel River)	TBD	TBD	TBD	Nov 2013	Sept 2014	May 2015	Dec 2015
28	0B410	HUM	101	40.9	-	1	Reconstruct Roadway and Dewater	(Eel River)	TBD	TBD	TBD	Oct 2013	Oct 2014	Apr 2015	Dec 2015
29	0B190	HUM	101	54.4	56.8	1	Install Median Barrier	(Eel River)	N	3.4/0.85	E	Oct 2012	Jan 2013	Aug 2013	Sept 2014
30	49650	HUM	101	60.3	-	1	Excavate Hazardous Waste	(Eel River)	N	TBD	E	Sept 2015	Mar 2021	Apr 2021	June 2025
31	0B620	HUM	101	75.2	79.0	1	ADA Curb Returns/ Ramps Upgrades	(Elk River, Freshwater Creek)	Y	1.24/0.3	C	Oct 2014	Aug 2015	May 2016	Dec 2017
32	36600	HUM	101	79.8	85.8	1	Upgrade 4-Lane Facility	(Humboldt Bay, Jacoby Creek, Freshwater Creek) Brainard's Slough, Washington Gulch, Rocky Gulch, Fay Slough	Y	52/9	NT	July 2013	June 2015	Apr 2016	May 2018
33	0B100	HUM	101	86.3	87.8	1	Install Cable Median Barrier	Janes Creek, Jolly Giant Creek	N	2.12/<1	E	Jan 2013	June 2013	Jan 2014	Oct 2014
34	42280	HUM	101	102.2	-	1	Minor B	(South Fork Eel River)	Y	TBD	NT	TBD	Nov 2013	-	-
35	0B420	HUM	101	110.6	-	1	Construct Buttress and Dewater	Big Lagoon	TBD	TBD	TBD	Jan 2014	Apr 2015	July 2015	Dec 2016
36	0B430	HUM	101	111.4	111.6	1	Big Lagoon Slipout Repair	Big Lagoon	TBD	TBD	TBD	Aug 2014	Sept 2015	Dec 2015	Dec 2017

Table 5-1: District 1 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Disturbed Land Area/ New Impervious Area (acres)	Treatment Control Status Type, Quantity ⁵	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&ED Date	PS&E Date	Start Date	End Date
37	43060	HUM	254	0.8	43.10	1	Replace Bridge Rails and Widen	(Eel River) Ohman Creek, Elk Creek, Bridge Creek, Bear Creek	TBD	TBD	TBD	Oct 2013	June 2014	Mar 2015	Apr 2016
38	47501	HUM	254	5.8	5.9	1	Construct Soldier Pile Retaining Wall	(Eel River)	Y	0.27/0.02	NT	Dec 2008	Apr 2010	Feb 2012	Oct 2013
39	47502	HUM	254	11.0	11.1	1	Repair Storm Damage	(Eel River)	Y	0.3/0	NT	Oct 2011	June 2012	Dec 2012	Oct 2013
40	47520	HUM	254	22.3	40.1	1	Place HMA over CL2 AB and Replace CSP	(Eel River)	Y	0.5/0	NT	June 2009	Oct 2010	Nov 2011	Nov 2013
41	48960	HUM	254	42.2	-	1	Minor B	(Eel River)	Y	TBD	NT	-	July 2014	-	-
42	29611	HUM	255	7.7	-	1	Wetland Mitigation	(Humboldt Bay)	TBD	TBD	NT	June 2008	Dec 2013	Aug 2014	Sept 2015
43	29612	HUM	299	4.20	-	1	Fish Passage Mitigation	(Mad River)	Y	0.06/0	NT	June 2008	Dec 2011	Aug 2012	Aug 2013
44	49830	HUM	299	5.7	38.6	1	Grind-In Shoulder Rumble Strips and Shoulder Widening	(Mad River, Redwood Creek, Trinity River)	TBD	TBD	TBD	Jan 2014	July 2015	Mar 2016	Apr 2017
45	47441	HUM	299	8.5	27.7	1	Repair Slide and Replace Drainage	(Mad River, Redwood Creek)	Y	1.8	NT	Mar 2009	Mar 2012	July 2012	Apr 2014
46	0B450	HUM	299	10.7	26.1	1	Repair Slides and Slipouts	(Mad River, Redwood Creek)	TBD	TBD	TBD	Dec 2013	July 2015	Dec 2015	Nov 2016
47	0A360	HUM	299	19.3	19.8	1	Curve Improvement	(Redwood Creek)	TBD	TBD	TBD	Aug 2013	Oct 2013	June 2014	July 2015
48	42370	HUM	299	20.2	20.5	1	Reconstruct Roadway	(Redwood Creek)	Y	4.2/0.36	NT	Sept 2011	Feb 2012	Jan 2013	Feb 2014
49	0A520	HUM	299	21.1	21.4	1	Curve Improvement	(Redwood Creek)	Y	1.1/0.3	C	Feb 2014	Oct 2014	June 2015	Sept 2016

Table 5-1: District 1 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Disturbed Land Area/ New Impervious Area (acres)	Treatment Control Status Type, Quantity ⁵	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&ED Date	PS&E Date	Start Date	End Date
50	0A370	HUM	299	23.6	23.9	1	Shoulder Widening	(Redwood Creek)	TBD	TBD	TBD	July 2014	Sept 2015	Apr 2016	Feb 2017
51	0A490	HUM	299	25.0	25.7	1	Curve Improvement	(Redwood Creek)	TBD	TBD	TBD	Nov 2013	Feb 2014	Sept 2014	Mar 2016
52	0A320	HUM	299	30.25	30.65	1	Curve Improvement	(Trinity River)	TBD	TBD	TBD	Nov 2013	Feb 2014	Sept 2014	Mar 2016
53	43740	HUM	299	30.7	-	1	Buttress Slope and Reconstruct Roadway	Willow Creek (Trinity River)	Y	0.1/0.01	TST	Oct 2011	Apr 2012	Mar 2013	Feb 2014
54	0B460	HUM	299	32.0	-	1	Stabilize Roadway	(Trinity River)	TBD	TBD	TBD	Aug 2013	Aug 2014	Mar 2016	Dec 2017
55	48860	LAK	20	8.1	8.55	5	Construct Roundabout	(Clear Lake)	Y	1.9/0.4	E	Apr 2012	Oct 2013	July 2014	July 2015
56	48050	LAK	20	11.9	12.4	5	Construct Roundabout	(Clear Lake)	N	3.4/-0.25	E	Aug 2008	May 2011	Nov 2011	Oct 2013
57	0B120	LAK	20	13.5	31.4	5	Upgrade Curb Ramps and Sidewalk	(Cache Creek, Upper Cache Creek, Lucerne, Clear Lake)	TBD	0.17/TBD	E	Apr 2014	Oct 2015	Apr 2016	Dec 2016
58	38560	LAK	29	0.1	6.4	5	Scour Mitigation	Helena Creek (Clear Lake)	TBD	0.5	E	Oct 2012	Mar 2013	Sept 2013	Jan 2014
59	2921U	LAK	29	23.8	31.6	5	Upgrade to 4 Lane Expressway	Thurston Creek, (Cache Creek)	Y	326/92	C	Mar 2015	Dec 2016	Aug 2017	Sept 2018
60	3986U	LAK	53	2.8	7.5	5	Widen Roadway	(Cache Creek, Clear Lake)	Y	35/9	BS	Nov 2007	Mar 2010	Feb 2011	Oct 2014
61	0A040	LAK	175	24.0	27.5	5	Shoulder Widening	Upper Putah Creek	Y	TBD/4.0	C	Dec 2013	July 2015	Oct 2016	Feb 2018
62	49900	LAK	VAR	-	-	5	Minor B	TBD	Y	TBD	TBD	Oct 2013	-	-	-
63	49771	MEN	1	2.4	2.5	1	Permanent Restoration	Pacific Ocean	TBD	TBD	TBD	Oct 2013	Jan 2014	Oct 2014	Oct 2015
64	44650	MEN	1	4.47	-	1	Extend Downdrain	Pacific Ocean	Y	TBD	TBD	Aug 2010	July 2013	-	-

Table 5-1: District 1 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Disturbed Land Area/ New Impervious Area (acres)	Treatment Control Status Type, Quantity ⁵	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&E Date	PS&E Date	Start Date	End Date
65	46580	MEN	1	14.7	21.8	1	Shoulder Widening - Pacific Coast Bike Trail	(Garcia River), Pt. Arena	N	0.96/0.65	E	Mar 2011	Aug 2011	Oct 2012	July 2013
66	46590	MEN	1	21.0	24.6	1	Shoulder Widening - Pacific Coast Bike Trail	Pt. Arena	TBD	TBD	TBD	Oct 2013	May 2014	Jan 2015	Jan 2016
67	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
68	0B470	MEN	1	35.7	-	1	Repair Slipout	Greenwood Creek	TBD	TBD	TBD	Sept 2013	May 2013	Mar 2014	July 2015
69	48470	MEN	1	40.1	40.9	1	Construct MBGR and Centerline Rumble Strips	(Navarro River)	TBD	0.35/0.33	E	May 2009	June 2012	Dec 2013	Dec 2014
70	40140	MEN	1	42.4	43.3	1	Bridge Replacement	Salmon Creek	TBD	TBD	TBD	Dec 2013	Nov 2015	June 2016	Oct 2018
71	40110	MEN	1	43.3	44.2	1	Bridge Replacement	(Albion River)	Y	6.6/2	C	Feb 2014	Aug 2015	Oct 2016	Nov 2019
72	43480	MEN	1	48.05	65.12	1	Bridge Rail Upgrade and Widening	Jack Peters Creek, Russian Gulch, (Pudding Creek, Little River)	Y	3.6/0.63	E	Aug 2014	Apr 2016	Jan 2017	Nov 2018
73	0B220	MEN	1	59.8	62.11	1	Install ADA Curb Ramps and Sidewalks	(Noyo River)	Y	1.5/1	C	Feb 2016	Nov 2016	Sept 2017	Nov 2019
74	47490	MEN	1	70.5	-	1	Repair Storm Damage	Pacific Ocean	Y	2.9/0.49	BS	Aug 2011	July 2012	Dec 2013	Oct 2015
75	0C120	MEN	1	81.1	-	1	Repair Slipout	Mendocino Coast – Wages Creek HSA	TBD	TBD	TBD	Oct 2013	Feb 2014	Aug 2014	Jan 2016
76	38572	MEN	1	88.7	92.8	1	Construct Bridge, Rock Fish Weir	Dunn Creek	Y	1.45/0.01	NT	Apr 2011	Nov 2011	Feb 2013	Mar 2015

Table 5-1: District 1 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Disturbed Land Area/ New Impervious Area (acres)	Treatment Control Status Type, Quantity ⁵	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&ED Date	PS&E Date	Start Date	End Date
77	0B490	MEN	1	91.8	-	1	Repair Slipouts	Mendocino Coast	TBD	TBD	TBD	July 2013	July 2013	Apr 2014	Sept 2015
78	36432	MEN	20	13.8	32.0	1	Rehabilitate Drainage	(Noyo River, Big River, Outlet Creek)	Y	<1/0	NT	July 2010	Nov 2011	Mar 2013	Jan 2015
79	0B500	MEN	101	3.7	5.3	1	Repair Slides	(Russian River)	TBD	TBD	TBD	July 2013	July 2013	Mar 2014	July 2015
80	29302	MEN	101	20.9	42.1	1	Replace Bridge and Rail Upgrade	(Robinson Creek)	Y	TBD	TBD	July 2014	July 2015	Aug 2016	Feb 2018
81	26200	MEN	101	43.1	49.0	1	Construct 2-Lane Highway (Phase 1)	(Outlet Creek)	Y	220/40.5	BS,D	Dec 2006	Sept 2011	July 2012	Apr 2018
82	26202	MEN	101	46.0	-	1	Wetland / Riparian Mitigation	(Outlet Creek)	Y	TBD	NT	Dec 2006	Oct 2012	Sept 2013	Sept 2020
83	40280	MEN	101	46.2	84.6	1	Culvert Rehabilitation	(Eel River)	Y	1.25/0	NT	Aug 2009	Oct 2011	Dec 2013	Dec 2015
84	26203	MEN	101	46.3	47.5	1	Willits Bypass Relinquishment	(Outlet Creek)	TBD	TBD	TBD	Dec 2006	Oct 2015	Apr 2016	Apr 2018
85	26204	MEN	101	47.2	47.3	1	Sherwood Road Geometric Upgrades – Willits Bypass	(Outlet Creek)	TBD	TBD	TBD	Dec 2013	Aug 2015	Apr 2016	Apr 2018
86	0B830	MEN	101	47.2	47.4	1	ADA Infrastructure Upgrade and Installation	(Outlet Creek)	TBD	TBD	TBD	Aug 2013	Apr 2014	Jan 2015	Oct 2015
87	26201	MEN	101	52.2	52.4	1	Ryan Creek Fish Passage – Coho Salmon Mitigation	Ryan Creek (Outlet Creek)	Y	TBD	TBD	July 2015	Dec 2015	Dec 2016	Dec 2017
88	41221	MEN	101	84.0	-	1	Repair Culvert and Place Scour Protection	(Rattlesnake Creek)	Y	0.2/0	E	Aug 2009	June 2012	June 2013	Dec 2014
89	0B510	MEN	101	87.4	100.4	1	Repair Slides and Slipout	(South Fork Eel River)	TBD	TBD	TBD	July 2013	July 2013	Apr 2014	Aug 2015

Table 5-1: District 1 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Disturbed Land Area/ New Impervious Area (acres)	Treatment Control Status Type, Quantity ⁵	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&ED Date	PS&E Date	Start Date	End Date
90	37814	MEN	128	10.6	23.3	1	Culvert Rehabilitation	(Navarro River)	Y	TBD	TBD	June 2005	Jan 2013	May 2013	Dec 2013
91	37816	MEN	128	14.3	40.6	1	Culvert Rehabilitation	(Navarro River)	Y	TBD	TBD	June 2005	Sept 2011	June 2013	Aug 2015
92	37817	MEN	128	0.2	11.1	1	Culvert Rehabilitation	(Navarro River)	Y	TBD	TBD	June 2005	Oct 2013	June 2014	Dec 2015
93	37813	MEN	128	30.1	48.4	1	Culvert Rehabilitation	(Navarro River, Russian River)	Y	<1/0	TBD	June 2005	July 2012	Jan 2013	Feb 2014
94	47660	MEN	128	34.5	35.5	1	Repair Storm Damage	(Rancheria Creek)	Y	5.8/0	BS	Sept 2011	Aug 2012	Nov 2013	Mar 2016
95	0B520	MEN	128	39.5	39.8	1	Stabilize Roadway	(Beebe Creek)	TBD	TBD	TBD	July 2013	Sept 2013	July 2014	Oct 2015
96	0B540	MEN	162	13.9	22.7	1	Repair Slipouts	(Eel River)	TBD	TBD	TBD	July 2013	July 2013	May 2014	Sept 2015
97	0B550	MEN	162	16.1	-	1	Stabilize Roadway	(Eel River)	TBD	TBD	TBD	July 2013	July 2013	Apr 2014	Aug 2015
98	0B560	MEN	253	1.5	1.8	1	Boonville Slide	(Navarro River, Anderson Creek)	TBD	TBD	TBD	July 2013	July 2013	May 2014	Sept 2015
99	0B570	MEN	253	6.8	-	1	Stabilize Roadway	(Navarro River)	TBD	TBD	TBD	July 2013	July 2013	Apr 2014	Aug 2015
100	47620	MEN	253	7.6	7.8	1	Construct Tie Back Wall, MBGR, HMA	(Navarro River)	Y	<1/TBD	NT	June 2009	Feb 2011	Jan 2012	Aug 2013
101	49710	MEN	271	7.2	-	1	Hazardous Waste Decontamination	(Eel River)	N	TBD	TBD	Mar 2013	Aug 2013	Apr 2014	May 2015

Treatment Control Status Legend	
BMP Device Types:	
BS	Biofiltration Strips and/or Swales
C	Under Consideration
D	Detention Devices
DWFD	Dry Weather Flow Diversion
E	Exempt
GSRD	Gross Solids Removal Devices
ID	Infiltration Devices
MF	Media Filters
MCTT	Multi-chambered Treatment Trains
NT	No Treatment
TBD	To Be Determined
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 ⁶	Start Date	Completion Date
0B130	DN	101	12.7/13.6	1	HMA Leveling	Wilson Creek	Feb 2013	Oct 2013
0B840	DN	199	0.0/4.20	1	Bonded Wearing Course	Smith River	Mar 2013	July 2013
0C100	HUM	36	40.3/45.7	1	Seal Coat	(Van Duzen River)	Mar 2013	Nov 2013
0B770	HUM	96	23.1/29.9	1	Seal Coat	(Trinity River, Klamath River)	July 2013	Nov 2013
0C410	HUM	211	73.2/74.4	1	HMA Overlay	(Eel River)	Aug 2013	Mar 2014
0A150	HUM	211	74.4/79.2	1	Rubberized HMA	(Eel River)	Apr 2013	Nov 2013
49840	HUM	254	12.7/20.6	1	HMA Overlay	(Eel River)	Jun 2011	Dec 2013
49121	LAK	29	11.9/20.3	1	Bonded Wearing Course	(Clear Lake, Cache Creek)	Aug 2013	Dec 2013
0B800	MEN	1	40.3/43.7	1	RHMA Overlay	(Navarro River)	Apr 2013	Dec 2013
0B810	MEN	101	84.7/91.3	1	Open Graded Bonded Wearing Course	(South Fork Eel River)	Mar 2013	Dec 2013
0C130	MEN	271	16.1/22.8	1	Seal Coat	(South Fork Eel River)	July 2013	Jan 2014

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

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

⁶ 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."

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6 Total Maximum Daily Loads

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

Table 6-1: District 1 TMDL Activities

Regional Board	TMDL Name	Effective Date	District Specific Implementation Activities	Compliance Date (if applicable)	Monitoring	TMDL Municipal/ Stakeholder Coordination	Planned Actions
1	Garcia River Sediment TMDL	1/3/2002	Submit method of compliance (Option 1)	1/3/2005	None required	None Required	Comply with Waste Discharge Requirements
				Attain Numeric Targets	12/31/2049	-	-
1	Klamath River in California Temperature, Dissolved Oxygen, Nutrient and Microcystin	12/28/2010	Submit Annual Report documenting progress implementing measures contained in Table 4-18 of Basin Plan.	April 2014	-	-	Participate in meetings with Caltrans Headquarters, Regional Board, and State Board.
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
5	Cache Creek Mercury TMDL	2/7/2007	Implement erosion or sediment containment plans	2/5/18	-	-	Meet with RWQCB Staff to discuss erosion control plans for projects in the TMDL area.
5	Clear Lake Nutrient TMDL	9/27/2007	Compliance with WLA	6/19/2017	Assess phosphorus concentration	-	Implement technical memo approved by RWQCB staff. Participate in meetings with Caltrans Headquarters, Regional Board, and State Board.