

California Department of Transportation

STORMWATER MANAGEMENT PROGRAM

DISTRICT 2 WORK PLAN

North Coast, Central Valley, and Lahontan Regions

Fiscal Year

2009-2010

CTSW-RT-09-182.42.1



**California Department of Transportation
Division of Environmental Analysis
Stormwater Management Program
1657 Riverside Drive, Redding, California 96001
<http://www.dot.ca.gov/hq/env/stormwater>**

April 1, 2009

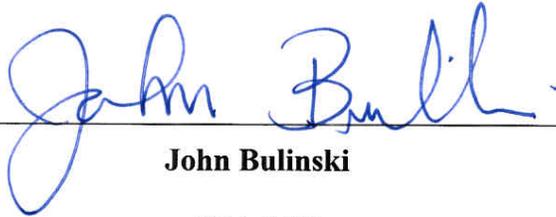


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**California Department of Transportation
District 2 Certification**

District Work Plan 2009-2010

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)]



John Bulinski

District 2

1/27/09

Date

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1.0 INTRODUCTION

General Information about the District Work Plan

The District Work Plans (DWP) describe the stormwater organization of each California Department of Transportation (Caltrans) District 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 2'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 2009-2010. Implementation activities will be conducted in accordance with the procedures presented in the SWMP.

Modifications have been integrated into the stormwater management process to ensure that projects throughout the District meet the Maximum Extent Practicable criteria. This will include treatment BMPs considerations. During the Planning and Design phase, treatment BMPs will be evaluated for inclusion in projects having characteristics that may trigger water quality impacts. Characteristics such as having a net impervious surface increase. Previously, this evaluation was done only for projects located in MS4 areas.

Maintenance personnel acquired a trailer-mounted hydroseeder during 2008. Small areas lacking vegetation have the potential for erosion and becoming sediment sources. Reestablishing vegetation either eliminates or minimizes that potential. The hydroseeder provides greater flexibility for increasing the number of areas treated throughout District 2. Treatment increased during fiscal year 2008-2009 compared to past years. Previously, this equipment was available for a limited time-period each fiscal year. Bare areas will be treated as they are identified and prioritized.

During the last five years, maintenance personnel completed slope evaluations throughout District 2. Forms generated during the inspections will be verified to determine minor and major repairs. Minor repairs are those addressed with projects performed by maintenance personnel, major ones require contracting out. Slopes will be re-evaluated using new forms if conditions are identified during previous inspections have changed. Evaluation forms will be used to improve project planning.

Training courses will continue for personnel whose duties require stormwater management program involvement. An evaluation will be conducted to determine the District 2 personnel that need additional training as well as any stormwater information gaps that need to be addressed.

The DWP is organized as follows:

- *Chapter 2 - Personnel and Responsibilities* describes personnel with responsibilities for stormwater operations within the District;
- *Chapter 3 - District Facilities and Water Bodies* identifies District facilities;
- *Chapter 4 - Drinking Water Reservoirs and Recharge Facilities* describes and identifies 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;
- *Chapter 5 - Implementation* identifies projects within the design and construction phases;
- *Chapter 6 - Total Maximum Daily Loads* describes and identifies the Total Maximum Daily Loads (TMDLs) for which the District has been named a stakeholder, and a general discussion of planned TMDL actions.

2.0 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 Coordinator is responsible for overseeing implementation of the Stormwater Management Plan policies and providing guidance on permit requirements. A primary task is serving as a liaison with Water Quality Program and Regional Water Quality Control Board personnel. Tasks include identifying and reviewing new water quality regulations and policies that may affect Caltrans' activities.

In addition, the NPDES Stormwater Coordinator has the following responsibilities:

- Coordinates communication between RWQCB representatives and personnel from various functional units.
- Distributes new stormwater information to coordinators from other functional units.
- Responds to Notices of Violation and/or enforcement actions issued by the RWQCBs.
- Conducts stormwater management related meetings with personnel from other MS4 permitted entities.
- Serves as the regulatory inquiry point of contact, pertinent to the Statewide SWMP implementation.
- Responds to public inquires made to the District regarding stormwater management issues.
- Coordinates, tracks and reports the District's response to illicit connections/illegal discharges (IC/IDs) and non-permitted non-stormwater discharges.
- Confirms stormwater related forms and other compliance documents are submitted to RWQCBs.
- Prepares Water Quality Evaluations for projects that require it.
- Assists the Environmental Unit obtain other general and individual NPDES permits (i.e. dewatering).

Design Coordinator

The District Design Stormwater Coordinator assists Design Division personnel address stormwater program requirements during a project's planning and design phase. Responsibilities include reviewing, editing and signing Stormwater Data Report Sheets (SWDRs), responding to Design and Project Engineers' stormwater program inquiries, and relating regulatory changes that may affect project development.

Maintenance Coordinator

The District Maintenance Stormwater Coordinators serve as points of contact for all Maintenance stormwater program inquiries. Responsibilities include arranging training for maintenance personnel, conducting District 2 facility inspections, and coordinating slope inspections.

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 RWQCB. The Construction Stormwater Coordinator is responsible for conducting inspections to assist the RE in ensuring that stormwater controls are implemented on construction sites and to assist in reviewing SWPPPs/WPCPs for adequacy.

Encroachment Permits Coordinator

The District Encroachment Permits Stormwater Coordinator serves as point of contact for all Encroachment Permits Stormwater Program inquiries. Along 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 is responsible for planning and recommending temporary and permanent sediment source control BMPs for construction projects. Landscape architects also sign SWDRs.

Public Affairs Coordinator

The public affairs coordinator organizes and participates in conducting "Don't Trash California" campaign activities in District 2. This includes planning public outreach targeting a diverse portion of the population, and coordinating with local groups to arrange campaign presentations and activities.

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

Table 2-1: District 2 District 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 Office of Environmental Engineering-North within Districts 1&2
Miguel Villicana	District NPDES Stormwater Coordinator	(530) 225-4640	Miguel_villicana@dot.ca.gov	Primary contact for all District 2 NPDES stormwater issues
Ted Schultz	North Region District 2 NPDES Coordinator	(530) 225-3227	ted_schultz@dot.ca.gov	Assists Design, provides guidance on BMP selection and implementation during design, monitors for compliance w/ SWMP
Brian Adams	North Region Construction Stormwater Coordinator – North Area	(530) 365-8652	brian_adams@dot.ca.gov	Assists RE, inspects stormwater controls on construction sites, reviews SWPPPs/WPCPs
Mark Harvey	District 2 Maintenance Stormwater Coordinator	(530) 225-2099	mark_harvey@dot.ca.gov	Provides guidance on Maint. BMP selection and implementation, monitors for compliance w/ SWMP

Staff Name	Title	Phone No.	E-mail	Responsibility
Julie Mason	District 2 Assistant Maintenance Stormwater Coordinator	(530) 225-3376	julie_mason @dot.ca.gov	Provides guidance on Maint. BMP selection and implementation, monitors for compliance w/ SWMP
Fred Chaffin	District 2 Encroachments Permits Stormwater Coordinator	(530) 225-3082	fred_chaffin@dot.ca.gov	Provides NPDES guidance to District 2 Encroachment Permits staff and permittees
Ron Flory	Landscape Architecture	(530) 225-3109	Ron_flory@dot.ca.gov	Provides guidelines for implementing erosion control measures at construction project sites

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.

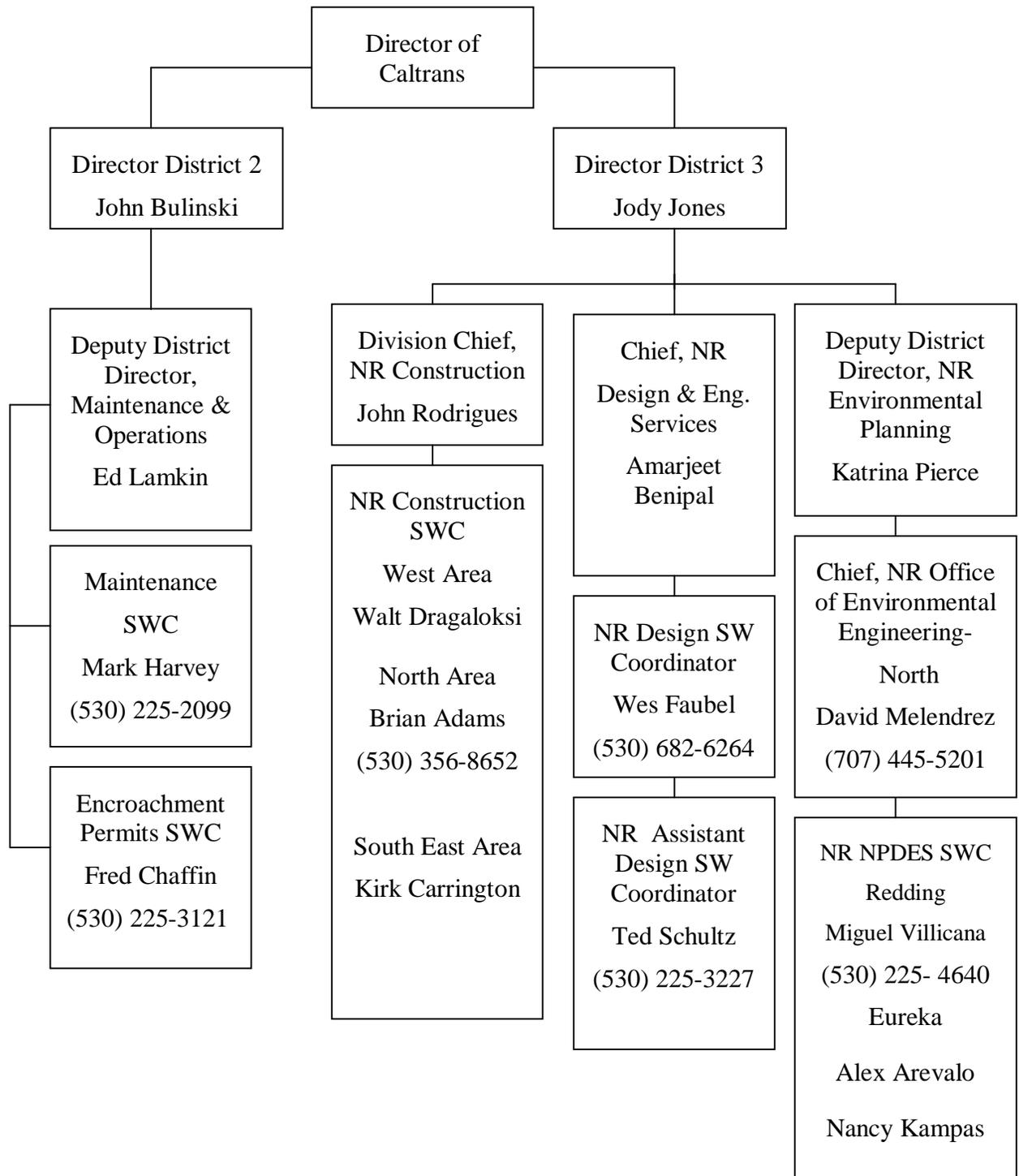
Table 2-2: District 2 Signatory Authority for Key Documents

Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
John Bulinski	(707) 441-5729	john_bulinski@dot.ca.gov	All District Documents
David Melendrez	(707) 445-5201	David_Melendrez@dot.ca.gov	All District Documents except District Work Plan
Miguel Villicana	(530) 225-4640	Miguel_villicana@dot.ca.gov	All District Documents except District Work Plan
Brian Adams	(530) 356-8652	Brian_adams@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

Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
Mark Harvey	(530) 225-2099	Mark_Harvey@dot.ca.gov	Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, Report of Illicit Connection/Discharge (IC/ID)
Fred Chaffin	(530) 225-3121	Fred_Chaffin@dot.ca.gov	SWPPPs, NOC/NCC, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, and Report of IC/ID
District 2 does not have a variance. Not Applicable			Notice of Soil Reuse with Aerially Deposited Lead (ADL)
Construction Engineers and Resident Engineers			SWPPPs, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, NOC/NCC
Facility Supervisors			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 2 Organizational Chart



3.0 DISTRICT FACILITIES AND WATER BODIES

Chapter 3 of the DWP identifies maintenance stations (including identification of crew function and street address), vista points, commercial vehicle enforcement areas, roadside rest areas, park and ride facilities, and toll road and bridge plazas (see Table 3-1). In addition, this chapter contains a map (see Figure 3-1) depicting the roadways, significant water bodies, and RWQCB watersheds (Hydrologic Unit Boundaries).

Table 3-1: District 2 Facilities

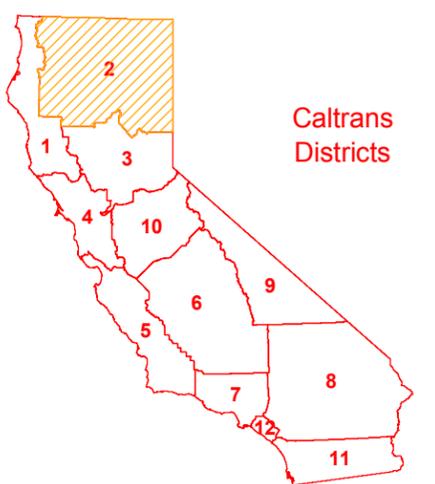
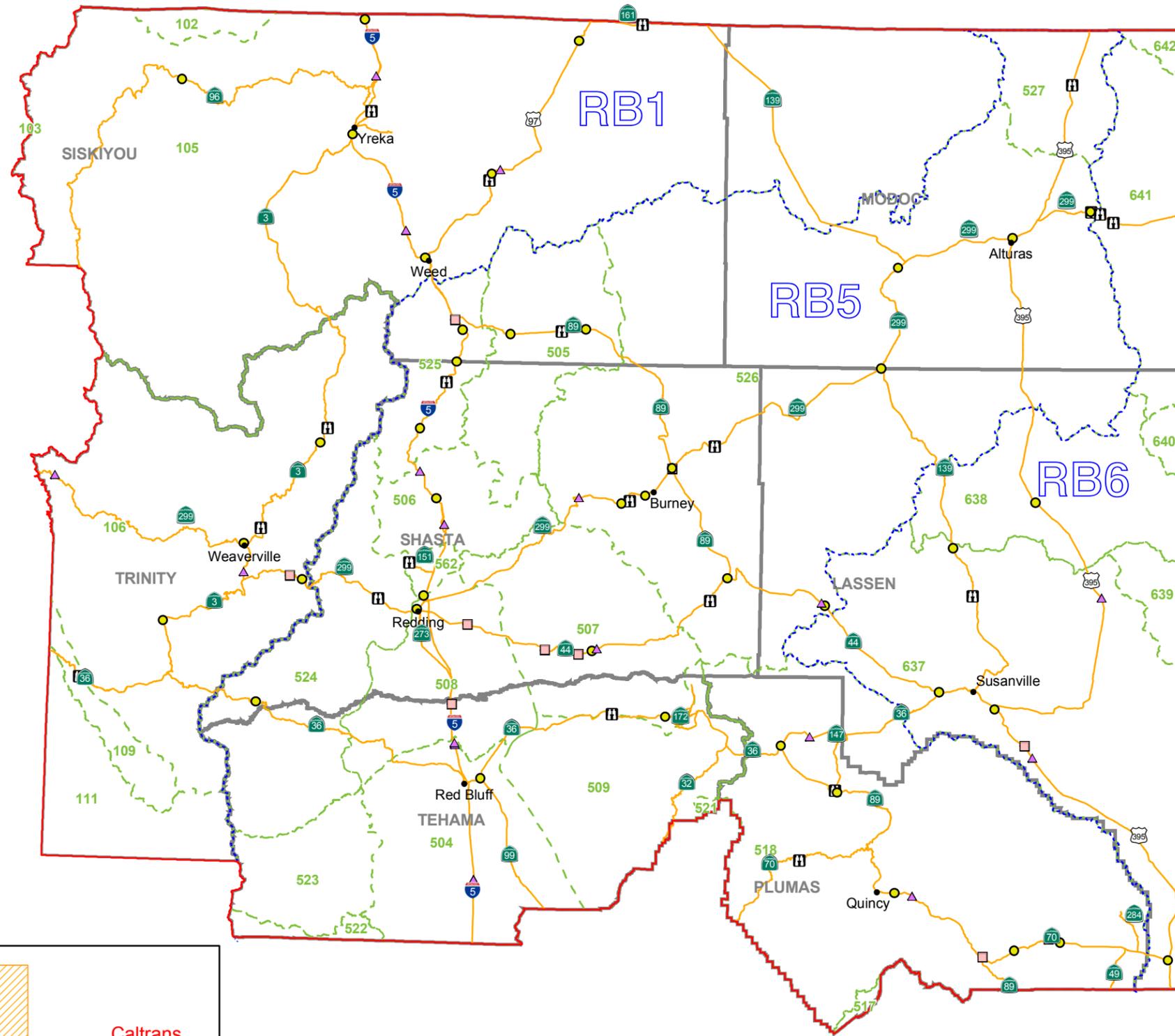
County	Route	Post Mile	Regional Board	Name	Comments
Maintenance Stations					
But	70	42.1	5	Pulga	Highway Maintenance 13756 Highway 70 Storrie, CA 95980
Las	36	10.4	5	Fredonyer	Sand & Salt Storage
Las	36	98.7	5	Deer Creek	Sand & Salt Storage
Las	395	60.35	6	Susanville	Highway Maintenance 471-800 Diane Dr Susanville, CA 96130
Las	44	14.5	6	Bogard	Sand & Salt Storage
Las	44	36.9	6	Junction 36/44	Sand & Salt Storage
Las	70	3.6	6	Hallelujah Jct.	Sand & Salt Storage
Las	139	32.2		Grasshopper	Sand & Salt Storage
Mod	395	115.2		Termo	Sand & Salt Storage
Mod	299	20.3	5	Canby	Sand & Salt Storage
Mod	299	25.6	6	Adin	Highway Maintenance 1187 Highway 299 Adin, CA 96006
Mod	299	50.2	5	Cedar Pass	Sand & Salt Storage
Mod	395	23.0	5	Alturas	Highway Maintenance 406 E. Highway 395 Alturas, CA 96101
Plu	36	6.5	5	Chester	Highway Maintenance 1187 Highway 36 Chester, CA 96020
Plu	70	33.0	5	Greenville Wye	Sand & Salt Storage
Plu	70	45.3	5	Quincy	Highway Maintenance 1555 E. Main St. Quincy, CA 95971
Plu	70	55.2		Lee's Summit	Sand & Salt Storage
Plu	70	70.7	5	Willow Creek	Sand & Salt Storage
Plu	70	81.6	6	Beckwourth	Highway Maintenance 81313 Highway 70 Bechwourth, CA 96122
Plu	89	29.3	5	Canyon Dam	Sand & Salt Storage
Sha	5	37.5	5	Salt Creek	Satellite, Sand & Salt Storage

County	Route	Post Mile	Regional Board	Name	Comments
Sha	5	52.9	5	Gibson	Highway Maintenance 25305 Gibson Rd. Lakehead, CA 96051
Sha	5	66.9	5	Castella	Sand & Salt Storage
Sha	36	8.7	5	Platina	Highway Maintenance Highway 36, PM 8.7 Platina, CA 96076
Sha	44	33.9	5	Shingletown	Sand & Salt Storage
Sha	44	62.5	5	Hat Creek	Highway Maintenance 13191 Brian's Way Old Station, CA 96071
Sha	273	17.0	5	District Office	District 2 Headquarters 1657 Riverside Drive Redding, CA 96001
Sha	273	19.8	5	Redding Maintenance Facility	Highway Maintenance, Landscape, Tree, Electrical, Paint, Crews and Shop 2 and Regional Maintenance Office 1430-1490 George Drive Redding, CA 96003
Sha	299	68.2	5	Hatchet Mtn.	Sand & Salt Storage
Sha	299	75.6	5	Burney	Highway Maintenance 37334 Main St. Burney, CA 96013
Sha	299	80.2	5	Burney Junction	Sand & Salt Storage
Sis	5	06.1	5	Mt. Shasta	Highway Maintenance 1625 Mott Rd. Mt. Shasta, CA 96067
Sis	89	11.4	5	Bartle	Sand & Salt Storage
Sis	89	24.1	5	McCloud	Sand & Salt Storage
Sis	5	20.2	1	Weed	Sand and Salt Storage
Sis	3	47.4	1	Yreka	Highway Maintenance & Special Projects Crew 1745 S. Main St Yreka, CA 96097-9518
Sis	5	68.3	5	Hilt	Sand and Salt Storage
Sis	96	60.8	1	Seiad Valley	Highway Maintenance Highway 96, PM 60.9 Seiad Valley, CA 96086
Sis	97	20.2	1	Grass Lake	Highway Maintenance 21131 Highway 97 Weed, CA 96094
Sis	97	49.8	1	Dorris	Sand and Salt Storage
Teh	36	44.4	5	Red Bluff	Highway Maintenance & Landscape Crews 13700 Highway 36 E. Red Bluff, CA 96080
Teh	36	82.2	5	Mineral	Highway Maintenance 37900 Highway 36E Mineral, CA 96063
Tri	3	6.2	1	Hayfork	Highway Maintenance

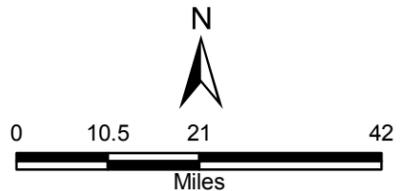
County	Route	Post Mile	Regional Board	Name	Comments
					Highway 3, PM 6.2 Hayfork, CA 96041
Tri	3	59.5	1	Trinity Center	Highway Maintenance Highway 3, PM 59.6 Trinity Center, CA 96091
Tri	299	51.2	1	Weaverville	Highway Maintenance 100 Weaverville Bally Rd. Weaverville, CA 96093
Tri	299	69.7	1	Buckhorn	Sand and Salt Storage
Vista Points					
Mod	395	52.1	5	Goose Lake	Vista Point
Mod	299	54.9	6	Cedarville	Vista Point
Las	139	23.0	6	Eagle Lake	Vista Point
Plu	14 7	0.4	5	Lake Almanor	Vista Point
Plu	70	19.1	5	Rich Bar	Vista Point
Sha	5	62.5	5	Castella	Vista Point
Sha	44	57.5	5	Panorama Point	Vista Point
Sha	44	65.5	5	Hat Creek Rim (USFS)	Vista Point
Sha	151	1.47	5	Shasta Dam (USFS)	Vista Point
Sha	299	16.5	5	Whiskeytown National Park Service (NPS)	Vista Point
Sha	299	69.7	5	Hatchet Mtn	Vista Point
Sha	299	89.6	5	Pit River	Vista Point
Sis	5	52.0	1	Yreka	Vista Point
Sis	89	15.4	5	McCloud	Vista Point
Sis	89	15.6	5	Bartle	Vista Point
Sis	97	19.1	1	Grass Lake	Vista Point
Sis	161	8.8	1	Lower Klamath Wildlife Refuge	Vista Point
Teh	36	72.6	5	Battle Creek	Vista Point
Tri	3	37.9	1	Trinity Lake (USFS)	Vista Point
Tri	3	62.8	1	North Shore (USFS)	Vista Point
Tri	36	9.8	5	South Fork Mountain Summit	Vista Point
Commercial Vehicle Enforcement Facilities					
Las	395	1.5	6	Long Valley	Agricultural Inspection Station
Mod	395	27.0	5	Alturas	Agricultural Inspection Station
Plu	70	33.0		Keddie	WB
Sha	299	12.6	5	Whiskeytown	EB

County	Route	Post Mile	Regional Board	Name	Comments
Sis	97	49.8	1	Dorris	Agricultural Inspection Station
Sis	5	R7.2	5	Dunsmuir Grade	SB
Teh	5	40.8	5	Cottonwood	SB
Teh	5	40.6	5	Cottonwood	NB
Roadside Rest Areas					
Mod	395	82.5	6	Honey Lake	77 mi. N of Milford
Las	44	14.5	6	Bogard	28 mi. NW of Susanville
Las	395	96.5	6	Secret Valley	12 mi. S of Ravendale
Plu	36	R12.8	5	Lake Almanor	4.3 mi. E of Chester
Plu	70	R79.1	5	L. T. Davis	3 mi. E of Portola
Plu	70	49.8	5	Massack	6.5 mi. E of Quincy
Sha	5	R31.1	5	O'Brien	9 mi. N of Project City
Sha	5	R43.1	5	Lakehead	0.9 mi. N of Lakehead O.C.
Sha	44	34.7	5	Shingletown	3.1 mi. E of Shingletown
Sha	299	60.6	5	Hillcrest	3.9 mi. E of Montgomery C.B.
Sis	5	R25.6	1	Weed Airport	6 mi. N of Weed; NB & SB
Sis	5	R58.6	1	Randolph C. Collier	2.5 mi N of Route 96
Sis	97	21.8	1	Grass Lake	19.8 mi N of Weed
Teh	5	10.1	5	Corning SB	N of Corning
Teh	5	10.4	5	Corning NB	1 mi N of Corning
Teh	5	33.3	5	Herbert S. Miles NB	4.2 mi. N of Red Bluff
Teh	5	34.3	5	Herbert S. Miles SB	4.3 mi. N of Red Bluff
Tri	299	56.9	1	Moon Lim Lee	5 mi E of Weaverville
Tri	299	R3.6	1	Salyer	3 mi E of Salyer
Park and Ride Facilities					
Las	395	52.6	1	Janesville	0.3 m N County Road A3
Plu	70	66.6	5	Blairsdan	N side Jct. Route 70 & Route 89
Sha	44	7.0	5	Deschutes Road	NE Corner Deschutes Road & Route 44
Sha	44	24.8	5	Black Butte Road	S side Black Butte Road & Route 44
Sha	44	31.7	5	Shingletown	N side Wilson Hill Road & Route 44
Sha	89	21.6	5	Burney (USFS)	
Sis	89	34.3	5	Mt. Shasta	SE Corner Azalea Road & Route 89
Teh	5	41.5	5	Cottonwood	E side Bowman Road Interchange
Tri	299	67.45	1	Lewiston Turnoff	Park and Ride
Toll Road and Bridge Plazas					
None					

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RWQCB Index
 RB1 North Coast Region
 RB5 Central Valley Region
 RB6 Lahontan Region



Maintenance Station Addresses

Co-Rte-PM	Name	Street Address	City and Zip Code
North Coast Region (Region 1)			
TRI-3-6.2	Hayfork	Hwy 3 PM 6.2	Hayfork 96041
SIS-3-47.4	Yreka	1745 S Main Street	Yreka 96097
TRI-3-59.5	Trinity Center	Hwy 3 PM 59.5	Trinity Center 96091
SIS-5-20.2	Weed	Hwy 5 PM 20.2	Siskiyou County
SIS-5-68.3	Hiit	Hwy 5 PM 68.3	Siskiyou County
SIS-96-60.9	Seiad Valley	Hwy 96 PM 60.9	Seiad Valley 96086
SIS-97-20.2	Grass Lake	2113 Hwy 97	Weed 96094
SIS-97-49.8	Dorris	Hwy 97 PM 49.8	Siskiyou County
TRI-299-51.2	Weaverville	100 Weaverville Bally Road	Weaverville 96093
TRI-299-69.7	Buckhorn	Hwy 299 PM 69.7	Trinity County
Central Valley Region (Region 5)			
SIS-5-6.1	Mt Shasta	1625 Mott Road	Mt Shasta 96067
SHA-5-37.5	Salt Creek	Hwy 5 PM 37.5	Shasta County
SHA-5-52.9	Gibson	25305 Gibson Road	Lakehead 96051
SHA-5-66.9	Castella	Hwy 5 PM 66.9	Shasta County
PLU-36-6.5	Chester	1187 Hwy 36	Chester 96020
SHA-36-8.7	Platina	Hwy 36 PM 8.7	Platina 96076
TEH-36-44.4	Red Bluff	13700 Hwy 36 East	Red Bluff 96080
TEH-36-82.2	Mineral	37900 Hwy 36 East	Mineral 96063
SHA-44-33.9	Shingletown	Hwy 44 PM 33.9	Shasta County
SHA-44-62.5	Hat Creek	13191 Brian's Way	Old Station 96071
BUT-70-42.1	Pulga	13756 Hwy 70	Storrie 95980
PLU-70-45.3	Quincy	1555 E Main St	Quincy 95971
PLU-70-70.7	Willow Creek	Hwy 70 PM 70.7	Plumas County
PLU-70-81.3	Beckwourth	81313 Hwy 70	Beckwourth 96122
SIS-89-114	Bartle	Hwy 89 PM 114	Siskiyou County
SIS-89-24.1	McCloud	Hwy 89 PM 24.1	Siskiyou County
PLU-89-29.3	Canyon Dam	Hwy 89 PM 29.3	Plumas County
SHA-273-17.0	District 2 Office	1657 Riverside Drive	Redding 96001
SHA-273-19.8	Redding Maintenance Facility	1430-1490 George Drive	Redding 96003
MOD-299-20.3	Canby	Hwy 299 PM 20.3	Modoc County
MOD-299-25.6	Adin	1187 Hwy 299	Adin 96006
MOD-299-50.2	Cedar Pass	Hwy 299 PM 50.2	Modoc County
SHA-299-68.2	Hatchet Mtn	Hwy 299 PM 68.2	Shasta County
SHA-299-75.6	Burney	37334 Main Street	Burney 96013
SHA-299-80.2	Burney Junction	Hwy 299 PM 80.2	Shasta County
MOD-395-23.0	Alturas	406 E Hwy 395	Alturas 96101
Lahontan Region (Region 6)			
LAS-44-14.5	Bogard	Hwy 44 PM 14.5	Lassen County
LAS-44-36.9	Junction 36/44	Hwy 44 PM 36.9	Lassen County
LAS-70-3.6	Hallelujah Jct	Hwy 70 PM 3.6	Lassen County
LAS-139-32.2	Grasshopper	Hwy 139 PM 32.2	Lassen County
LAS-395-60.3	Susanville	471-800 Diane Drive	Susanville 96130
MOD-395-115.2	Terro	Hwy 395 PM 115.2	Lassen County

Legend

- Major City
- ▲ Rest Area
- Maintenance Station
- Park & Ride
- ⊞ Vista
- Caltrans Roadway
- ▭ Caltrans Boundary
- ▭ RWQCB Boundary
- ▭ Hydrologic Unit
- ▭ County Boundary

Figure 3-1
District 2 RWQCB and H.U. Boundaries

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4.0 DRINKING WATER RESERVOIRS AND RECHARGE FACILITIES

Chapter 4 of the DWP describes and identifies 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 2 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 2 Drinking Water Reservoirs and Recharge Facilities

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
44/49.2	Shasta County	5	Manzanita Creek	Water for Lassen VNP - Manzanita Lake	1.5 miles to facility
151/0.0	Shasta County	5	Shasta Lake Intake	Water for City of Shasta Lake	0.3 miles to facility
299/16.7	Shasta County	5	Whiskeytown Lake Intake	Water for Centerville C.S.D.	1.3 miles to facility
3/54.2	Siskiyou County	1	Lake Shastina-Treatment Plant	Water for City of Montague	
3/8.2	Trinity County	1	Hayfork-Ewing Reservoir	Water for Trinity Co. W.W. District #1	

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5.0 IMPLEMENTATION

Chapter 5 of the DWP identifies specific project work planned for the year within the development phases of Project Approval/Environmental Document (PA/ED), Plans, Specifications, and Estimates (PS&E), and Construction. 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

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 describes planned efforts of 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 2 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 (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	0E200	LAS	36	14.3	22.5	6	Roadway Rehabilitation	Susan River 303(d)	N	>1			Jun-09	Oct-09	
2	36890	LAS	36	22.5	24.4	6	Add shoulder	Susan River 303(d)	N	10		Jun-03	Jul-07	Jul-09	Oct-11
3	25850	LAS	395	11.8	24.8	6	Overlay and shoulder widening	Long Valley Creek	Y	4		Jul-11	Nov-12	Oct-13	Jun-14
4	39090	LAS	395	60.8	61.6	6	Turn lanes, flashing beacons and lights	Lake Leavitt Inlet Canal	N	4.8		Oct-05	May-07	Jan-10	Nov-11

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"), or under consideration ("C"). See Treatment Control Status Legend below for device type abbreviations.

Table 5-1: District 2 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 (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
5	4C820	BUT	32	4.4	4.6	5	Widen shoulders and lay back slopes	Cascade Creek	Y	1.53		Feb-09		May-10	Sep-11
6	4C280	LAS	36	8.5	8.5	5	Replace triple-box culvert	Goodrich Creek	Y	0.15		Dec-07		Sep-09	Oct-12
7	3C410	LAS	36	4.3	8.6	5	Replace Culverts	North Fork Feather River 303(d)	Y	1.2		Dec-07		Apr-09	Oct-10
8	4C290	LAS	36	6.7	10.4	5	Extend culverts, install drainage inlets	Goodrich Creek	Y	1.5		Jan-08	Sep-08	Mar-09	Jan-10
9	2C320	LAS	147	0.7	0.7	5	Replace Two Culverts	Clear Creek	Y	1.0		Dec-06	Mar-07	Apr-08	Oct-08
10	37310	PLU	70	35.1	35.5	5	Replace Bridge	N. Fork Feather 303(d)	Y	>43		Jul-07	Mar-08	Dec-09	Jan-14
11	4C870	PLU	70	38.5	38.5	5	Replace and extend culvert	Little Blackhawk Creek	Y	0.25		Oct-07		Sep-08	Sep-10
12	36901	PLU	89	9.0	14.0	5	Construct turnouts	Indian Creek	N	1.1		May-05	Jul-08	Apr-09	Jan-11
13	3C510	PLU	89	3.9	7.8	5	Culvert Repair	Berry Creek	Y	<1		Dec-07	Jan-09	Apr-09	Oct-10
14	37890	SHA	5	40.2	40.2	5	Antlers Bridge Replacement	Shasta Lake	Y	TBD		Jan-07	Aug-08	Aug-09	Jul-14

Table 5-1: District 2 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 (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
15	32801	SHA	5	R15.1	R15.7	5	Widen Str, Add Aux Lns & Mod Ramps	Sacramento River 303(d)	N	13.6		Jun-03	Aug-07	May-08	Jul-12
16	37100	SHA	5	1.2	4.2	5	Construct auxiliary lanes	Sacramento River 303(d)	N	>1		Dec-08	Apr-09	Mar-10	Jan-15
17	36841	SHA	44	R4.6	R5.3	5	In Shasta County in and near Redding from 0.6 km	Stillwater Creek	Y	12		Jul-06	Sep-07	May-08	Jan-10
18	38840	SHA	44	24.4	24.4	5	Construct Auxiliary Lanes	Sacramento River 303(d)	N	13.6		Jun-03	Aug-07	May-08	Jul-12
19	32560	SHA	89	26.6	30.4	5	Replace Bridge & Realign Rdwy	Lake Britton	Y	TBD		Jan-07	Oct-08	Sep-09	Jan-15
20	2C140	SHA	299	75.6	75.6	5	Construct Fuel Facility and Additional Pavement	Lower Burney Creek	TBD	TBD		Jul-05	Dec-05	Sep-07	Jul-08
21	4C401	SHA	5	11.0	17.5	5	Widen to six lanes	Sacramento River 303(d)	TBD	>1		Aug-11	Jan-13	Jan-14	Mar-15
22	4C990	SHA	5	4.2	8.5	5	Install median barrier	Sacramento River 303(d)	N	39		Jul-08	Oct-08	Apr-09	Jan-10
23	2C230	SHA	5	1.9	30.6	5	Bridge rehabilitation	Shasta Lake	TBD	1.27		Dec-06		Mar-09	Dec-10

Table 5-1: District 2 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 (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
24	2C580	SHA	299	6.85	7.25	5	Curve Improvement	Willow Creek 303(d)	Y	9.8		Nov-06	Aug-08	May-09	Jan-11
25	1C160	SHA	299	5.4	5.8	5	Curve realignment	Willow Creek 303(d)	N	1.3		Mar-13	Dec-13	Sep-14	Jan-18
26	39790	SHA	299	0	0.6	5	Realign three curves and widen shoulders	Willow Creek 303(d)	N	TBD		Jan-07	Sep-07	Jun-08	Jan-10
27	38110	SIS	5	11.4	16.4	5	Rehab Follow-up - Structures Work	Spring Creek	TBD	TBD		Mar-06	Mar-07	Nov-07	Dec-09
28	0C970	TEH	5	12.2		5	Bridge Replacement	Thomes Creek	Y	5		Oct-06	Jul-07	Apr-08	Jan-12
29	37070	TEH	5	7.2	7.7	5	Reconstruct Interchange	City of Corning Municipal Storm Drain	N	30		May-05	Jul-08	May-09	Nov-11
30	37560	TEH	5	26.5	27.5	5	Replace Bridges	Sacramento River 303(d)	Y	10.6		Jan-08	Feb-09	Jan-10	Jul-11
31	36210	TEH	L5728			5	Relocate Maintenance Station	Dibble Creek	Y	12	D	Jun-04	Feb-07	Sep-07	Sep-10
32	2C460	MOD/SIS	139	5.0	34.0	1	Asphalt Overlay	Lost River 303(d)	N	>1				May-09	Jul-09

Table 5-1: District 2 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 (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
33	3C080	TRI	299	13.3	13.8	1	Curve Improvement near China Slide	Trinity River 303(d)	Y	> 1		Apr-08	Oct-08	Aug-09	Jan-11
34	2C990	TRI	3	68.5	68.5	1	Bridge rehabilitation or replacement	Minnehaha Creek & Trinity River 303(d)	Y	>1		Apr-09	Jan-10	Nov-10	Jan-13
35	37430	TRI	299	23.3	23.3	1	Widen bridge and install rails	French Creek	N	>1		Jul-08	Feb-09	Dec-09	Dec-10
36	35209	TRI	L5717			1	Construction office-Equipment bays- cover storage	Hayfork Creek	N	5.3	D	Dec-02	Jul-2007	Mar-2008	Jan-2010
37	4C360	TRI	299	2.2	2.6	1	Curve improvement and shoulder widening	Trinity River	N	>1		Jan-08	Jul-08	Feb-09	Jan-10
38	3846U	TRI	299	69.5	70.6	1	Construct passing lanes and chain on area	Little Grass Valley Creek	Y	4.56	BS, TST	Dec-07	Dec-08	May-09	Jan-11
39	36320	SIS	3	6.5	6.5	1	Culvert Repair	Scott River	Y	<1		Aug-07	Dec-07	Apr-2008	Mar-2009
40	3C810	SIS	96	3.8	29.0	1	Storm Damage Restoration at 7 Locations	Middle Klamath River 303(d)	Y	0.8		Jun-08		Aug-09	Oct-09

Table 5-1: District 2 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 (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
41	3C860	SIS	263	52.6	57.1	1	Bridge deck rehabilitation and structure maintenance at various locations	Various	N	<1		Dec-07	Mar-08	Feb-09	Jan-10
42	3C920	SIS	5	50.6	52.1	1	Seismic retrofit	Shasta River 303(d)	TBD	TBD		May-08		Aug-10	Nov-12
43	0E990	SIS	161	7.0	9.0	1	Pavement rehabilitation	Klamath River 303(d)	N	1.5		Jan-08	May-08	Nov-08	Jan-10
44	1E080	SIS	97	24.0	34.5	1	Roadway rehabilitation	Multiple unnamed	N	>5				Jun-09	Oct-09
45	2C950	SIS	96	0.0	12	1	Drainage system restoration	Multiple Klamath River Tributaries	Y	> 1		Apr-09	Feb-10	Nov-10	Jan-13
46	2C710	SIS	5	R22.3	R22.9	1	Replace bridge Deck	Shasta River 303(d)	Y	1.6	BS	Sep-07	Dec-09	Oct-10	Oct-11
47	36200	SIS	5	25.6	25.6	1	Improvements to the NB and SB Weed Safety Roadside	Parks Creek	N	<0.25		Jun-04	May-07	May-08	Dec-11

Treatment Control Status Legend	
BMP Device Types:	
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 2 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
1	SIS	96	64.0/ 72.9	1	Replace 7 culverts	Klamath River	Nov-10	Jan-12
2	TRI	3	33.2	1	Replace culvert	East Weaver Creek Tributary	May-10	Oct-10
3	TRI	299	40.6	1	Drainage restoration	Canyon Creek	Jun-10	Oct-10
4	TRI	299	68.0/ 68.2	1	Construct fish ladder	Little Grass Valley Creek	Feb-10	Sep-10
5	MOD	299	36.8/ 43.8	5	Install culverts	TBD	May-11	Oct-11
6	TEH	36	20.0/ 41.0	5	Drainage restoration	TBD	Jun-09	Oct-09

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

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 2 General Management Practices

Monitoring Activities
<ul style="list-style-type: none"> • Monitoring for the Roadside Vegetation Site Treatment study continues on a SR 299 site, PM 26.5. There are no other monitoring activities identified at this time.
Public Education and Participation
<p>The District plans to:</p> <ul style="list-style-type: none"> • Continue staffing booths in county fairs and other public events throughout the District for distributing “Don’t Trash California” campaign materials to attendees. • Continue arranging outreach events with community groups and local schools, through the Public Information Office. • Continue to seek opportunities to participate in community cleanup events. • Explore opportunities to include information during outreach events, on specific erosion control measures implemented by Caltrans.
Municipal Coordination
<p>The District plans to:</p> <ul style="list-style-type: none"> • Coordinate future meeting with MS4 permittees located within District 2. • Collaborate in conducting public education efforts to provide information about the stormwater program within MS4 areas. • Address RWQCB concerns for projects conducted with MS4 areas, conjunctively with other permittees.
<p>District 2 does not have any agreements with local agencies at this time.</p>

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6.0 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 coordination of activities with other stakeholders next fiscal year.

For each TMDL, the District develops a plan to conduct activities that will achieve TMDL compliance objectives. 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 2 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 2 TMDL Activities

District	TMDL Name	Effective Date	District Specific Implementation Activities	Compliance Date (if applicable)	Monitoring	TMDL Municipal/ Stakeholder Coordination	Planned Actions
2	Scott River Sediment and Temperature TMDL	9/08/2006	Regional Water Board to determine measures required to be implemented by Caltrans.	To be determined	Not Applicable	Future meeting will be scheduled with other Stakeholders and RWB representatives to identify sediment sources and explore compliance activity cooperation	A schedule will be developed for implementing measures to address any improvements the NC RWQCB identifies.
2	Shasta River Low Dissolved Oxygen (Nutrient Enrichment) and Temperature	1/26/2007	Submit Lake Shastina Water Quality Study. Regional Water Board to determine additional measures required to be implemented by Caltrans.	1/26/2009	Not Applicable	None Caltrans' facilities are isolated from those associated with other stakeholders	A schedule will be developed for implementing measures to address any improvements the NC RWQCB identifies.