

APPENDIX C. SCHEDULE OF TMDLS BY CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARDS

(NOTE: The following tables were developed from information submitted by the RWQCBs for inclusion in the CWA section 303(d) TMDL priority list and their respective chapters of the 1999 WMI Integrated Plan. The tables represent those TMDLs that the RWQCBs have identified with initial development or completion occurring during the first five-year implementation cycle (1998-2003) of the Program Plan.)

Table C1. Scheduled Development of TMDLs by North Coast Regional Water Quality Control Board (RWQCB1)

Waterbody	Stressor	Completion Date		Implement Actions	Stressor Source Category				
		Technical Report	Implementation Plan		Agriculture	Forestry	Urban	Marinas	Hydromodification
Noyo River	Sediment	1999	1999		x				
Estero Americano	Nutrients	1997		x					
Garcia River	Sediment	2000	2000	x	x	x			
	Temperature					x			
Navarro River	Sediment		2000						
	Temperature		2000						
Americano Creek	Nutrients	1997		x					
Mattole River	Sediment	2001	2002		x				
	Temperature		2002						
Ten Mile River	Sediment		2000						
Redwood Creek	Sediment		1998						
Elk River	Sediment	2009		x					
Albion River	Sediment	2000	2001	x					
Big River	Sediment	2001		x					
South Fork Trinity River	Sediment		1998						
Beaughton Creek	Unpermitted discharge of waste		1998						
Eel River	Sediment		1999-2006						
	Temperature		1999-2006						
Van Duzen River	Sediment		1999						
Trinity River	Sediment	2001							
Gualala River	Sediment	1999	2000	x					

Table C2. Scheduled Development of TMDLs by San Francisco Bay Regional Water Quality Control Board (RWQCB2)

Waterbody	Stressor	Completion Date		Implement Actions	Stressor Source Category				
		Technical Report	Implementation Plan		Agriculture	Forestry	Urban	Marinas	Hydromodification
South San Francisco Bay	Exotic Species		2001				x		
	Mercury		2003						x
	PCBs		2003						
Central San Francisco Bay	Exotic Species		2001			x			
	Mercury		2003						x
	PCBs		2003						
Lower San Francisco Bay	Exotic Species		2001			x			
	Mercury		2003						x
	PCBs		2003						
Carquinez Strait	Exotic Species		2001			x			
	Mercury		2003						x
	PCBs		2003						
Napa River	Siltation		2003	x	x				
San Pablo Bay	Exotic Species		2001			x			
	Mercury		2003						x
	PCBs		2003						
Suisun Bay	Exotic Species		2001			x			
	Mercury		2003						x
	PCBs		2003						
Richardson Bay	Exotic Species		2001			x			
	Mercury		2003						x
	PCBs		2003						x
Delta	Exotic Species		2001			x			
	Mercury		2003						x

Table C3. Scheduled Development of TMDLs by Central Coast Regional Water Quality Control Board (RWQCB3)

Waterbody	Stressor	Completion Date		Implement Actions	Stressor Source Category				
		Technical Report	Implementation Plan		Agriculture	Forestry	Urban	Marinas	Hydromodification
Morro Bay	Metals	2000					x		
	Pathogens	2000		x		x			
	Sedimentation/Siltation	1999		x		x			
Old Salinas River Estuary	Nutrients	2003	2006	x					
	Pesticides	2003	2006	x					
Las Tablas Creek Salinas River Lagoon (North)	Mercury	2000		x					
	Nutrients	2003	2006						x
	Pesticides	2003	2006	x					
	Siltation	2001	2004	x					
Salinas River Lagoon (South)	Nutrients	2003	2006	x					
	Pesticides	2003	2006	x					
	Salinity/TDS/ Chlorides	2003	2006	x					
Tembadera Slough	Nutrients	2003	2006	x					
	Pesticides	2003	2006	x					
Pajaro River	Nutrients	2001	2004	x					
	Siltation	2001	2004	x					
Las Tablas Creek, North Fork	Mercury	2000							
Salinas River	Siltation	2001	2004	x		x			
	Nutrients	2003	2006	x					
	Pesticides/	2003	2006	x					
	Salinity	2003	2006	x					
	Priority Pollutants								
Espinosa Slough	Nutrients	2003	2006	x					
	Pesticides/Priority Organics	2003	2006	x					
Carbonera Creek	Pathogens	2001	2004						x
	Siltation	2000	2003	x					
	Nutrients	2000							x

Waterbody	Stressor	Completion Date		Implement Actions	Stressor Source Category				
		Technical Report	Implementation Plan		Agriculture	Forestry	Urban	Marinas	Hydromodification
Lompico Creek	Pathogens	2001	2004			x			
	Siltation	2000	2003		x				
	Nutrients	2000				x			
San Lorenzo River Estuary	Pathogens	2001	2004						x
	Siltation	2000	2003						
Hernandez Reservoir	Mercury	2003	2006						
Lompico Creek	Nutrients					x			
Llagas Creek	Nutrients	2001	2004		x				
	Siltation	2001	2004		x				x
Pajaro River	Nutrients	2001	2004		x		x		
	Siltation	2001	2004		x		x		x
Rider Gulch Creek	Siltation	2001	2004		x				
San Benito River	Siltation	2001	2004		x				
Shingle Mill Creek	Nutrients	2001	2004				x		
	Siltation	2001	2004				x		
Watsonville Slough	Oil and Grease	2003	2006						x
	Pathogens	2003	2006						x
	Pesticides	2003	2006			x			
	Siltation	2001	2004			x			
	Metals	2003							
Chorro Creek	Metals	2000							
	Nutrients	2000			x				
	Siltation	2000			x		x		x
San Luis Obispo Creek	Nutrients	2000	2003		x				
	Pathogens	2000							
	Priority Pollutants	2001							
Arroyo Burro Creek	Pathogens	2011	2014						
Las Tablas Creek, South Fork Nacimiento Reservoir	Mercury	2000							
	Mercury	2000							
Los Osos Creek	Nutrients	2000			x				
	Siltation	1999			x		x		x
	Priority Organics	2000							
Valencia Creek	Siltation	2001							
Salinas River	Nutrients	2003							

Waterbody	Stressor	Completion Date		Implement Actions	Stressor Source Category				
		Technical Report	Implementation Plan		Agriculture	Forestry	Urban	Marinas	Hydromodification
Salinas River	Pesticides/Priority Organics	2003							
	Salinity	2003							
	Siltation	2001							
Clear Creek	Mercury	2003							
Hernandez Reservoir	Mercury	2003							
San Benito River	Siltation	2001							
San Lorenzo River	Nutrients	2000					x		
	Siltation	2000							
	Pathogens	2001				x			
San Lorenzo Creek	Nutrients					x			
	Siltation	2000	2003		x				

Table C4. Scheduled Development of TMDLs by Los Angeles Regional Water Quality Control Board (RWQCB4)

Waterbody	Stressor	Completion Date		Implement Actions	Stressor Source Category					
		Technical Report	Implementation Plan		Agriculture	Forestry	Urban	Marinas	Hydromodification	Not identified
Arroyo Conejo North Fork	Nitrogen	00/01	01/02	01/02						x
Arroyo Las Posas (Reaches 1&2)	Pesticides	02/03	03/04	03/04						x
Arroyo Simi (Reach 1)	Metals	04/05	05/06	05/06						x
Ballona Creek	Trash	00/01	01/02	02/03						x
	Metals	02/03	03/04	03/04						x
	Pesticides	02/03	03/04	03/04						x
Ballona Estuary	Coliform	02/03	03/04	03/04						x
Cabrillo Pier area	Pathogens	00/01	02/03	03/04						x
Conejo Creek	Nitrogen	00/01	01/02	01/02						x
Fox Barranca	Salts	04/05	05/06	05/06						x
Lake Calabasas	Nutrients	00/01	01/02	02/03						x
Los Angeles River (Reaches 1 - 5)	Nitrogen (effects)	01/02	02/03	02/03						x
	Trash	99/00	00/01	00/01						x
Los Angeles River (Reaches 1,2,4, & 6)	Coliform	00/01	01/02	01/02						x
Los Angeles River (Rchs 1,2, & 4)	Metals	02/03	03/04	03/04						x
Los Angeles River (Reach 5)	Pesticides	04/05	05/06	05/06						x
Marina del Rey Harbor – Back Basins	PCBs	03/04	04/05	04/05						x
	Pesticides	03/04	04/05	04/05						x
	Metals	03/04	04/05	04/05						x
Marina del Rey Harbor Beach	Coliform	01/02	02/03	02/03						x
McGrath Beach	Coliform	99/00	01/02	02/03						x
Medea Creek (Reaches 1 & 2)	Coliform	00/01	01/02	02/03						x
Revlon Slough	Pesticides	01/02	02/03	02/03						x
San Gabriel River East Fork	Trash	99/00	99/00	99/00						x
San Gabriel River(Reach 2)	Coliform	02/03	03/04	04/05						x
San Gabriel River (Reaches 1,2, & 3)	Nitrogen	01/02	02/03	02/03						x
San Jose Creek (Reach 1)	Metals	04/05	05/06	05/06						x
Santa Clara River (Reaches 3,7, & 8)	Chloride	99/00	99/00	99/00						x
	Nitrogen	99/00	01/02	02/03						x
Santa Monica Bay (Greater) beaches	Pathogens	00/01	01/02	02/03						x

Waterbody	Stressor	Completion Date		Implement Actions	Stressor Source Category				
		Technical Report	Implementation Plan		Agriculture	Forestry	Urban	Marinas	Hydromodification
Santa Monica Bay Nearshore/Offshore	Metals	02/03	03/04	03/04					x
	Chlordane	04/05	05/06	05/06					x

Table C5. Scheduled Development of TMDLs by Central Valley Regional Water Quality Control Board (RWQCB5)

Waterbody	Stressor	Completion Date		Implement Actions	Stressor Source Category				
		Technical Report	Implementation Plan		Agriculture	Forestry	Urban	Marinas	Hydromodification
Delta Waterways	Chlorpyrifos	2002	2004		x				
	Diazinon	2002	2004		x				
	Mercury	2002	2004						
Feather River	Diazinon	2002	2004		x				
Sacramento River, Lower	Diazinon	2002	2004		x				
	Mercury	2002	2004						
Berryessa Lake	Mercury	2002	2004						
Cache Creek	Mercury	2002	2004						
Sulfur Creek	Mercury	2002	2004		x				
Harley Gulch	Mercury	2002	2004						
Mud Slough	Selenium	1997	1999		x				
San Joaquin River	Selenium	1997	1999		x				
	Boron				x				
	Electrical Conductivity				x				
	Chlorpyrifos	2002	2004		x				
	Diazinon	2002	2004		x				
Little Grizzly Creek	Copper	2002							
	Zinc	2002							
Stanislaus River (Lower)	Diazinon	2002	2004		x				
Clear Lake	Mercury	2002	2004						
Tuolumne River (Lower)	Diazinon	2002	2004		x				

Table C6. Scheduled Development of TMDLs by Lahontan Regional Water Quality Control Board (RWQCB6)

Waterbody	Stressor	Completion Date		Implement Actions	Stressor Source Category					
		Technical Report	Implementation Plan		Agriculture	Forestry	Urban	Marinas	Hydromodification	Not identified
Aspen Creek	Metals									x
Bear Creek	Sedimentation/ Siltation								x	
Blackwood Creek	Sedimentation/ Siltation				x	x			x	
Bodie Creek	Metals									x
Bridgeport Res	Nutrients			x						
Bronco Creek	Sedimentation/ Siltation									x
Bryant Creek	Metals									x
Carson River, East Fork	Nutrients			x						
Cottonwood Creek	Water/Flow Variability									
Eagle Lake	Org. enrichment/ Low D.O.			x		x				
East Walker River	Sedimentation/ Siltation			x		x				
Gray Creek	Sedimentation/ Siltation									x
Heavenly Valley Creek.	Sediment					x				
Indian Creek	Habitat Alterations			x						
Lake Tahoe	Nutrients				x	x	x	x		
Lee Vining Creek	Flow Alterations									
Mammoth Creek	Metals									x
Mill Creek	Flow Alterations									
Monitor Creek	Metals									x
Mono Lake	Salinity/TDS/ Chlorides									
Owens River	Habitat Alterations									
Pine Creek	Siltation			x						

Waterbody	Stressor	Completion Date		Implement Actions	Stressor Source Category				
		Technical Report	Implementation Plan		Agriculture	Forestry	Urban	Marinas	Hydromodification
Pleasant Valley Reservoir	Org. Enrichment/Low D.O.			x					
Snow Creek	Habitat Alterations					x			
Squaw Creek	Siltation	2002				x			
Susan River	Unknown Toxicity			x		x			
Topaz Lake	Sedimentation/Siltation			x					
Ward Creek	Sedimentation/Siltation					x			
West Walker River	Sedimentation/Siltation			x					
Wolf Creek	Sedimentation/Siltation			x					

Table C7. Scheduled Development of TMDLs by Colorado River Regional Water Quality Control Board (RWQCB7)

Waterbody	Stressor	Completion Date		Implement Actions	Stressor Source Category				
		Technical Report	Implementation Plan		Agriculture	Forestry	Urban	Marinas	Hydromodification
Alamo River	Siltation	2000	2001		x				
Imperial Valley Drains	Silt	2000	2011		x				
New River	Silt	2002	2003		x				
Salton Sea	Salt	2001							

Table C8. Scheduled Development of TMDLs by Santa Ana Regional Water Quality Control Board (RWQCB8)

Waterbody	Stressor	Completion Date		Implement Actions	Stressor Source Category				
		Technical Report	Implementation Plan		Agriculture	Forestry	Urban	Marinas	Hydromodification
Big Bear Lake and tributaries	Metals	07/03	01/04	12/04					x
	Nutrients	07/03	01/04	12/04		x			
Canyon Lake	Nutrients	06/02	01/03	12/03					x
	Pathogens	06/02	01/03	12/03					x
Lake Elsinore	Nutrients	06/02	01/03	12/03					x
	Siltation	06/02	01/03	12/03					x
Newport Bay (Lower)	Metals	01/01	01/01	12/01				x	
	Nutrients	12/98	12/98	12/98	x				
	Pathogens	12/98	03/99	12/99					x
	Pesticides	01/01	01/01	12/01	x				
	Pr. Organics	01/01	01/01	12/01					x
	Sediment	12/98	12/98	12/98	x		x	x	
Newport Bay (Upper)	Metals	01/01	01/01	12/01					x
	Nutrients	12/98	12/98	12/98	x				
	Pathogens	12/98	03/99	12/99					x
	Pesticides	01/01	01/01	12/01	x				
	Sediment	12/98	12/98	12/98	x		x	x	
San Diego Creek (Reach 1 & 2)	Metals	01/01	01/01	12/01					x
	Pesticides	01/01	01/01	12/01					x
	Sediment	12/98	12/98	12/98	x		x	x	

Table C9. Scheduled Development of TMDLs by San Diego Regional Water Quality Control Board (RWQCB9)

Waterbody	Stressor	Completion Date		Implement Actions	Stressor Source Category					
		Technical Report	Implementation Plan		Agriculture	Forestry	Urban	Marinas	Hydromodification	
Aliso Creek	Coliform	07/02	07/02	07/02						x
Aqua Hedionda Lagoon	Coliform	07/03	07/09	07/09						x
	Sediment	07/03	07/07	07/07						x
Buena Vista Lagoon	Sediment	07/03	07/07	07/07						x
Chollas Creek	Coliform	07/00	07/03	07/03						x
	Metals	05/00	07/00	12/00						x
	Toxicity	05/00	07/00	12/00						x
Formosa Slough	Nutrients	07/03	07/08	07/08						x
Guajome Lake	Nutrients	07/05	07/11	07/11						x
Loma Alta Slough	Coliform	07/03	07/09	07/09						x
	Nutrients	07/03	07/09	07/09						x
Los Peñasquitos Lagoon	Sediment	07/03	07/08	07/08						x
Mission Bay	Coliform	07/03	07/08	07/08						x
	Lead	07/03	07/08	07/08						x
	Nutrients	07/03	07/08	07/08						x
Pacific Ocean (Laguna Beach)	Coliform	07/10	07/10	07/10						x
Pacific Ocean (Aliso HAS)	Coliform	07/02	07/02	07/02						x
Pacific Ocean (Dana Point HSA)	Coliform	07/10	07/10	07/10						x
Pacific Ocean (L. San Juan Ck.)	Coliform	07/10	07/10	07/10						x
Pacific Ocean (Sn Clemente HA)	Coliform	07/10	07/10	07/10						x
Pacific Ocean (San Luis Rey HU)	Coliform	07/03	07/09	07/09						x
Pacific Ocean (Loma Alta Ck HA)	Coliform	07/03	07/09	07/09						x
Pacific Ocean (Bna Vsta Ck HA)	Coliform	07/03	07/09	07/09						x
Pacific Ocean (San Marcos Ck HA)	Coliform	07/03	07/09	07/09						x
Pacific Ocean (Escondido Ck HA)	Coliform	07/03	07/09	07/09						x
Pacific Ocean (San Dieguito HU)	Coliform	07/03	07/09	07/09						x
Pacific Ocean (San Marcos Ck HA)	Coliform	07/03	07/09	07/09						x
Pacific Ocean (San Diego HU)	Coliform	07/03	07/09	07/09						x
Pacific Ocean (Coronado HA)	Coliform	07/03	07/09	07/09						x
Pacific Ocean (Tijuana HU)	Coliform	07/11	07/11	07/11						x
Rainbow Creek	Nutrients	03/00	05/00	10/00						x
San Diego Bay (Nr. 24 th Street)	Toxicity	07/03	07/03	07/03						x

Waterbody	Stressor	Completion Date		Implement Actions	Stressor Source Category					
		Technical Report	Implementation Plan		Agriculture	Forestry	Urban	Marinas	Hydromodification	Not identified
San Diego Bay (Shoreline)	Coliform	07/03	07/09	07/09						x
San Diego Bay (Nr. Chollas Crk.)	Toxicity	05/00	07/00	12/00						x
San Diego Bay (Naval Air Station)	Toxicity	07/03	07/03	07/03						x
San Diego Bay (7 th St. Channel)	Toxicity	06/00	11/00	06/01						x
San Diego Bay (Nr. Coronado Br.)	Toxicity	07/03	07/03	07/03						x
San Diego Bay (Submarine Base)	Toxicity	07/03	07/03	07/03						x
San Diego Bay (Shelter Island)	Toxicity	06/00	11/00	06/01						x
San Diego Bay (Nr. Grape Street)	Toxicity	07/03	07/03	07/03						x
San Diego Bay (Downtown Pier)	Toxicity	07/03	07/03	07/03						x
San Elijo Lagoon	Nutrients	07/03	07/09	07/09						x
	Coliform	07/03	07/09	07/09						x
	Sediment	07/03	07/07	07/07						x
San Juan Creek (Lower)	Coliform	07/10	07/10	07/10						x
San Juan Creek (Mouth)	Coliform	07/10	07/10	07/10						x
Santa Margarita Lagoon	Nutrients	07/05	07/05	07/05						x
Tecolote Creek	Coliform	07/03	07/09	07/09						x
	Metals	07/03	07/08	07/08						x
	Toxicity	07/03	07/08	07/08						x
Tijuana River	Coliform	07/11	07/11	07/11						x
	Metals	07/11	07/11	07/11						x
	Nutrients	07/11	07/11	07/11						x
	Organics	07/11	07/11	07/11						x
	Pesticides	07/11	07/11	07/11						x
	Trash	07/11	07/11	07/11						x
Tijuana River Estuary	Coliform	07/11	07/11	07/11						x
	Metals	07/11	07/11	07/11						x
	Nutrients	07/11	07/11	07/11						x
	Pesticides	07/11	07/11	07/11						x
	Trash	07/11	07/11	07/11						x