

## Appendix E: TMDLs Adopted by Regional Water Quality Control Boards Since January 2009

Region	TMDL Project	RB Adopted	SB Approved	EPA Approved
1	Klamath River Nutrients, Temperature, D.O., Microcystin	3/24/2010	9/7/2010	12/28/2010
1	Eel, Mattole, & Navarro Temperature TMDL Action Plans	3/13/2014	4/8/2015	
1	Upper Elk River and Upper Little South Fork Elk River Sediment	5/12/2016	8/1/2017	4/4/2018
1	Russian River Pathogen	8/14/2019		
2	Napa River Sediment	9/9/2009	10/5/2010	1/20/2011
2	Napa River and Sonoma Creek Nutrients	2/12/2014		
2	Tomales Bay Mercury	5/9/2012		7/3/2012
2	Lagunitas Creek Sediment	6/11/2014	11/18/2014	3/11/2016
2	North San Francisco Bay Selenium	11/18/2015	3/15/2016	8/23/2016
2	Pescadero and Butano Creek Sediment	6/13/2018	12/11/2018	6/24/2019
2	Suisun Marsh Dissolved Oxygen and Mercury	4/11/2018	8/21/2018	Hg Approved 5/22/2019  D.O. Approved 7/3/2019
2	Pacifica Beach and San Pedro Creek Pathogens	11/14/2012	3/9/2013	8/1/2013
2	Muir Beach Bacteria Delisting	5/14/2014		
2	San Francisco Bay Beaches Pathogens	4/13/2016	8/16/2016	2/24/2017
2	Fitzgerald Marine Reserve Pathogen Delisting	5/11/2016		
2	Petaluma River Bacteria	11/13/2019	6/6/2020	
2	Pillar Point and Venice Beach Bacteria	2/10/2021		
3	Salinas River Fecal Coliform	9/2/2010	9/19/2011	1/31/2012
3	Salinas River Nutrients	3/14/2013	2/4/2014	10/13/2015
3	Lower Salinas River Chlorpyrifos and Diazinon	5/5/2011		10/7/2011
3	Cholame Creek Indicator Bacteria	5/17/2011		11/30/2011
3	Soquel Lagoon Pathogens	5/8/2009	7/26/2010	11/17/2010

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3	Aptos and Valencia Creeks Pathogens	5/8/2009	8/3/2010	1/20/2011
3	Corralitos Creek Pathogens	3/20/2009	4/19/2011	1/17/2012
3	Pajaro River Fecal Coliform (including San Benito R., Llagas Cr., and Tequesquita Slough)	3/20/2009	4/20/2010	8/3/2010
3	San Lorenzo River Watershed Pathogens (including San Lorenzo R., Lompico Cr., Carbonera Cr., and San Lorenzo R. Est)	5/8/2009	3/1/2011	7/20/2011
3	Arroyo Paredon Diazinon	3/14/2013		6/13/2013
3	Santa Maria River Watershed Indicator Bacteria	3/15/2012	10/16/2012	4/24/2013
3	Pajaro River watershed Chlorpyrifos and Diazinon	7/11/2013		11/12/2013
3	Pajaro River Watershed Nutrients	7/30/2015	4/5/2016	10/6/2016
3	Los Berros Creek Nitrate	5/3/2012		6/11/2012
3	San Antonio Creek Chlorpyrifos	5/3/2012		6/4/2012
3	Salinas River Watershed Sediment Toxicity TMDL: U.S. EPA Vision Priority	7/14/2017	3/6/2018	8/9/2018
3	Glen Annie/Los Carneros Creek Nitrate	3/7/2014		7/31/2014
3	San Lorenzo/Zayante Chlorpyrifos	5/29/2014		11/25/2015
3	Arroyo Paredon Nitrate	12/5/2013		2/13/2014
3	Arroyo de la Cruz Indicator Bacteria	5/17/2011		11/30/2011
3	San Antonio River (Lower) Indicator Bacteria	5/17/2011		11/30/2011
3	San Lorenzo Creek Indicator Bacteria	5/17/2011		11/30/2011
3	Tularcitos Creek Indicator Bacteria	5/17/2011		11/30/2011
3	Bell Creek Nitrate	5/30/2013		8/20/2013
3	Jalama Creek Sodium and Chloride	5/30/2013		9/4/2013
3	Santa Maria River Watershed Toxicity and Pesticides	1/30/2014	7/2/2014	8/31/2015
3	Santa Maria River Watershed Nitrogen Compounds and Orthophosphate	5/30/2013	2/4/2014	3/8/2016
3	Estrella River Basin Boron	12/5/2013		2/13/2014
3	San Antonio Creek Nutrient and Dissolved Oxygen	11/19/2015		
3	Franklin Creek Nutrients	3/23/18	11/6/2018	5/9/2019
3	Pinto Lake Watershed Nutrients and Algal Toxins	7/16/2020	4/20/2021	

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3	Gabilan Creek Watershed Turbidity TMDL	2/18/2022	6/7/2022	3/27/2023
3	Lower Salinas OP Pesticide and Toxicity TMDL	6/16/2022		
3	Santa Ynez River Nitrogen Compounds TMDL	6/22/2023	1/17/2024	
4	Santa Clara River Chloride (Reconsideration)	10/9/2014	12/16/2014	4/28/2015
4	Los Angeles River Nitrogen (11) (Reconsideration)	12/6/2012	6/4/2013	6/9/2014
4	Los Angeles Harbor Beaches - Beach Closures (72) (Reconsideration)	6/7/2012	3/19/2013	11/8/2013
4	Marina del Rey Pathogens (46) (Reconsideration)	6/7/2012	3/19/2013	11/8/2013
4	Marina del Rey Toxics (54) (Reconsideration listings added)	2/6/2014	9/9/2014	10/16/2015
4	Ballona Creek Toxics (Reconsideration)	12/5/2013	6/17/2014	10/26/2015
4	Malibu Pathogens (47 in part) (Reconsideration)	6/7/2012	3/19/2013	11/8/2013
4	Los Angeles River Metals (Reconsideration)	5/6/2010	4/19/2011	11/3/2011
4	Los Angeles River Pathogens (15)	7/8/2010	11/1/2011	3/23/2012
4	Implementation Plan for the TMDL for Nutrients in the Malibu Creek Watershed (Reconsideration)	12/8/2016	2/22/2017	
4	Calleguas Creek, its Tributaries and Mugu Lagoon Metals and Selenium (Reconsideration)	10/13/2016	2/22/2017	
4	Rio de Santa Clara/Oxnard Drain #3 Pesticides and PCBs (8)			10/6/2011
4	Calleguas Creek Trash (Reconsideration)	6/14/2018	5/21/2019	4/7/2020
4	Los Angeles River Trash (Reconsideration)	6/11/2015	11/17/2015	5/4/2016
4	Los Angeles Area Lakes Nutrients, Hg, Trash, Organochlorine pesticides, PCBs (58)			3/26/2012
4	McGrath Lake Pesticides	10/1/2009	12/14/2010	6/30/2011
4	Santa Clara River Estuary (33) Toxaphene	11/19/2010		9/21/2011
4	Santa Clara River Coliform (23b & 34)	7/8/2010	10/4/2011	1/13/2012
4	San Gabriel River Metals (39) (Reconsideration)	6/6/2013	3/4/2014	10/13/2014
4	San Gabriel River Coliform	6/10/2015	11/17/2015	4/14/2016
4	Santa Monica Bay Beach Closures/Coliform/Bacteria Indicators (48) (Reconsideration)	6/7/2012	3/19/2013	11/8/2013
4	Ballona Creek Coliform (49) (Reconsideration)	6/7/2012	3/19/2013	11/8/2013

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4	Ballona Creek Metals (Reconsideration)	12/5/2013	6/17/2014	10/26/2015
4	Santa Monica Bay DDT, PCBs			3/26/2012
4	Ballona Creek Wetlands Sediment and Exotics (65)			3/26/2012
4	Santa Monica Bay Offshore/Nearshore Debris (66)	11/4/2010	12/6/2011	3/20/2012
4	Malibu Creek and Lagoon Benthic Community Impairments			2/7/2013
4	Implementation Plan for the TMDL for Nutrients and Sedimentation in Malibu Creek and Lagoon to Address Benthic Impairments (Reconsideration)	12/8/2016	2/22/2017	
4	Dominguez, LA/LB Harbors, San Pedro Bay Metals (75 & 78), Toxics (73a) and PAHs (74)	5/5/2011	2/27/2012	3/23/2012
4	Los Cerritos Metals			3/17/2010
4	Los Cerritos Channel Metals (84) (Reconsideration)	6/6/2013	3/4/2014	10/13/2014
4	Ventura River Algae/Nutrients (88)	12/6/2012	2/19/2013	6/28/2013
4	Ventura River Reaches 3 and 4 Pumping and Water Diversion			6/28/2013
4	Avalon Beach Bacteria Indicators (non-CD)	4/5/2012		7/2/2014
4	Ballona Creek Trash (Reconsideration)	6/11/2015	11/17/2015	5/4/2016
4	Malibu Creek Watershed Trash (Reconsideration)	6/14/2018	5/21/2019	4/6/2020
4	Colorado Lagoon pesticides, PAH's, PCB's, metals, etc.	10/1/2009	11/16/2010	6/14/2011
4	Machado Lake Toxics (73b)	9/2/2010	12/6/2011	3/20/2012
4	Long Beach Beaches Bacteria			3/26/2012
4	El Dorado Lakes, Puddingstone Reservoir and Santa Fe Dam Park Lake Copper (42)	1/10/2012		3/20/2012
4	Santa Clara Lakes (Elizabeth Lake, Lake Hughes, Munz Lake) Nutrients	9/8/2016	3/7/2017	6/27/2017
4	Ventura Beaches Bacteria TMDL Delisting	3/14/2019	10/20/2020	
4	Machado Lake Trash TMDL	3/14/2019	1/21/2020	
4	Santa Monica Bay Near Shore/Off Shore Debris (Reconsideration)	3/14/2019	1/21/2020	
4	Lake Elizabeth, Munz Lake, Lake Hughes Trash (Reconsideration)	6/13/2019	1/21/2020	
4	Legg Lake Trash (Reconsideration)	6/13/2019	1/21/2020	
4	Ventura River Estuary Trash	6/13/2019	1/21/2020	

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4	Revolon Slough/Beardsley Wash Trash TMDL Reconsideration	6/14/2018	5/21/2019	4/7/2020
4	Los Cerritos Channel and Estuary, Alamitos Bay, and Colorado Lagoon Indicator Bacteria TMDL	3/10/2022		
4	Dominguez Channel and Torrence Lateral Bacteria TMDL	3/29/2024		
5	Sacramento and San Joaquin Pesticides (Phase 1 - Diazinon and Chlorpyrifos)	3/28/2014	6/16/2015	8/16/2017
5	Phase 2 (Pyrethroids) Sacramento and San Joaquin Pesticides Basin Plan Amendment and TMDLs - U.S. EPA Vision Priority	6/8/2017	7/10/2018	4/22/2019
5	Sacramento-San Joaquin Delta Methylmercury	4/22/2010	6/21/2011	10/20/2011
6	Lake Tahoe Nutrients/Sediment	11/16/2010	4/19/2011	8/16/2011
6	Cold Creek Nitrogen	7/8/2009	8/4/2010	11/12/2010
7	Coachella Valley Storm Channel Pathogen	6/17/2010	6/19/2011	4/27/2012
7	New River Dissolved Oxygen	5/20/2010	12/6/2011	11/16/2012
7	Alamo River & New River Chlorpyrifos & Diazinon	9/19/2013		
7	Imperial Valley Organochlorine Compounds & Organophosphate Pesticides TMDL	5/10/2022	11/15/2022	3/19/2024
8	Newport Bay Watershed Organochlorine Compounds	7/15/2011	10/16/2012	11/12/2013
8	Newport Bay Watershed Selenium TMDL (USEPA Vision Priority)	8/4/2017	9/20/2018	6/20/2019
8	Newport Bay Copper TMDL	12/2/2022		
9	Bacteria Impaired Waters I (Creeks and Beach Shorelines)	2/10/2010	12/14/2010	6/22/2011
9	NASSCO and BAE (aka Southwest Marine)	3/14/2012		
9	Tecolote Creek Bacteria	2/10/2010	12/14/2010	6/22/2011
9	Los Penasquitos Lagoon Sedimentation	6/13/2012	1/21/2014	10/30/2014
9	Famosa Slough Nutrient	12/13/2017		
9	Loma Alta Slough Eutrophication	6/26/2014		
9	Santa Margarita River Estuary Eutrophic Condition TMDL	5/9/2019		
9	Chollas Creek Site-specific Water Effect Ratios for Chollas Creek Copper and Zinc TMDLs	2/8/2017	9/17/2019	3/26/2020