

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 | Lower Salinas OP Pesticide and Toxicity TMDL | 6/16/2022 | | |
| 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 |
| 4 | Ballona Creek Metals (Reconsideration) | 12/5/2013 | 6/17/2014 | 10/26/2015 |

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| 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 | |
| 4 | Revolon Slough/Beardsley Wash Trash TMDL Reconsideration | 6/14/2018 | 5/21/2019 | 4/7/2020 |

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| 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 | 11/1/2022 | |
| 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 |
| 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 |