

Appendix 3-C: 303(d) List of Impaired Waters in the San Diego Region



Table C-1 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Streams and Rivers (Listed Alphabetically)				
Stream or River	Impaired Area	Pollutant	Year Listed	Scheduled TMDL Completion
Agua Hedionda Creek	7 miles	Benthic community effects	2010	2025
		Bifenthrin	2014	2029
		Chlorpyrifos	2014	2029
		Cypermethrin	2014	2029
		Indicator bacteria	2014	2019
		Malathion	2014	2029
		Manganese	2006	2019
		Nitrogen	2014	2019
		Phosphorus	2010	2019
		Selenium	2006	2019
		Total dissolved solids	2002	2019
		Total nitrogen	2010	2019
Toxicity	2010	2019		
Aliso Creek	19 miles	Benthic community effects	2010	2025
		Indicator bacteria	2002	2011
		Malathion	2014	2029
		Nitrogen	2014	2019
		Phosphorus	2002	2019
		Selenium	2010	2021
		Total nitrogen	2010	2019
		Toxicity	2002	2019
Alpine Creek	2.2 miles	Indicator bacteria	2014	2019
Alvarado Creek	5.1 miles	Nitrogen	2010	2023
		Selenium	2010	2021
Arroyo Trabuco	23 miles	Benthic community effects	2010	2025
		Indicator bacteria	2014	2019
		Malathion	2014	2029
		Nitrogen	2014	2019
		Phosphorus	2010	2019

Table C-1 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Streams and Rivers (Listed Alphabetically)				
Stream or River	Impaired Area	Pollutant	Year Listed	Scheduled TMDL Completion
		Total nitrogen	2010	2019
		Toxicity	2010	2019
Bell Canyon Creek	14 miles	Toxicity	2014	2027
Buena Creek	4.8 miles	DDT	2006	2019
		Indicator bacteria	2014	2019
		Nitrate and nitrite	2006	2019
		Nitrogen	2014	2023
		Phosphorus	2010	2023
Buena Vista Creek	11 miles	Benthic community effects	2010	2025
		Bifenthrin	2014	2027
		Selenium	2010	2019
		Toxicity	2014	2019
Campo Creek	6.3 miles	Indicator bacteria	2014	2029
Carroll Canyon	12 miles	Benthic community effects	2010	2025
		Toxicity	2014	2027
Chocolate Creek	4.5 miles	Indicator bacteria	2014	2029
		Nitrogen	2010	2025
		Phosphorus	2010	2023
Chollas Creek	3.5 miles	Bifenthrin	2014	2027
		Chlorpyrifos	2014	2025
		Copper	1996	2005
		Cypermethrin	2014	2025
		Diazinon	2002	2003
		Indicator bacteria	2002	2011
		Lead	1996	2005
		Malathion	2014	2025
		Nitrogen	2014	2019
		Phosphorus	2010	2019
		Trash	2010	2021

Table C-1 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Streams and Rivers (Listed Alphabetically)				
Stream or River	Impaired Area	Pollutant	Year Listed	Scheduled TMDL Completion
		Zinc	1996	2008
Cloverdale Creek	1.2 miles	Nitrogen	2014	2023
		Phosphorus	2002	2019
		Total dissolved solids	2002	2019
Cottonwood Creek (San Marcos Creek watershed)	1.9 miles	Benthic community effects	2014	2025
		DDT	2006	2019
		Nitrogen	2014	2023
		Phosphorus	2006	2019
		Selenium	2010	2019
		Toxicity	2014	2019
Cottonwood Creek (Tijuana River watershed)	53 miles	Indicator bacteria	2014	2029
		Selenium	2010	2019
Couser Canyon Creek	3.4 miles	Indicator bacteria	2014	2029
Cristianitos Creek	6.7 miles	Cadmium	2014	2029
		Indicator bacteria	2014	2025
		Selenium	2014	2029
De Luz Creek	14 miles	Iron	2006	2019
		Manganese	2006	2019
		Nitrogen	2016	2025
		Sulfates	2016	2019
East Channel Creek	2.2 miles	Indicator Bacteria	2014	2029
Encinitas Creek	3 miles	Benthic Community Effects	2010	2025
		Phosphorus	2006	2019
		Selenium	2010	2019
		Toxicity	2010	2019
English Canyon	3.6 miles	Benthic Community Effects	2014	2025
		Benzo[b]fluoranthene	2006	2019
		Dieldrin	2006	2019
		Phosphorus	2010	2023
		Selenium	2010	2019

Table C-1 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Streams and Rivers (Listed Alphabetically)				
Stream or River	Impaired Area	Pollutant	Year Listed	Scheduled TMDL Completion
		Total Nitrogen as N	2010	2021
		Toxicity	2014	2019
Escondido Creek	26 miles	Benthic Community Effects	2010	2025
		Bifenthrin	2014	2027
		DDT	2006	2019
		Indicator Bacteria	2014	2019
		Malathion	2014	2027
		Manganese	2006	2019
		Nitrogen	2014	2019
		Phosphate	2006	2019
		Selenium	2006	2019
		Sulfates	2006	2019
		Total Dissolved Solids	2006	2019
		Toxicity	2010	2019
Eucalyptus Hills Creek	2.8 miles	Diazinon	2014	2025
		Indicator Bacteria	2014	2029
Felicita Creek	0.92 miles	1,4-Dioxane	2014	2027
		Aluminum	2006	2019
		Indicator Bacteria	2014	2025
		Tetrachloroethylene/PCE	2014	2027
		Total Dissolved Solids	2002	2019
		Trichloroethylene/TCE	2014	2027
Forester Creek	6.4 miles	Benthic Community Effects	2014	2025
		Indicator Bacteria	2014	2011
		Nitrogen	2010	2029
		Phosphorus	2006	2019
		Selenium	2010	2019
		Total Dissolved Solids	2002	2019
Gopher Creek	4.4 miles	Indicator Bacteria	2014	2025
Green Canyon Creek	5.2 miles	Indicator Bacteria	2014	2025
Green Valley Creek	0.98 miles	Benthic Community Effects	2010	2025
		Bifenthrin	2014	2025

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Stream or River	Impaired Area	Pollutant	Year Listed	Scheduled TMDL Completion
		Chloride	2006	2019
		Chlorpyrifos	2014	2025
		Manganese	2006	2019
		Pentachlorophenol (PCP)	2006	2019
Harbison Canyon	3.5 miles	Indicator Bacteria	2014	2025
Jamacha Creek	1.8 miles	Indicator Bacteria	2014	2025
Jamul Creek	10 miles	Toxicity	2010	2019
Keys Creek	13 miles	Indicator Bacteria	2014	2025
		Nitrogen	2010	2025
		Selenium	2010	2019
Kit Carson Creek	0.99 miles	Pentachlorophenol	2006	2019
		Total dissolved solids	2002	2019
La Zanja Canyon	4.5 miles	Indicator Bacteria	2014	2025
Laguna Canyon Channel	1.6 miles	Benthic Community Effects	2014	2025
		Indicator Bacteria	2014	2025
		Phosphorus	2010	2023
		Total Nitrogen as N	2010	2025
		Toxicity	2010	2019
Live Oak Creek (San Diego County)	2.5 miles	Indicator Bacteria	2014	2025
Loma Alta Creek	7.8 miles	Benthic Community Effects	2010	2025
		Bifenthrin	2014	2027
		Selenium	2010	2019
		Toxicity	2010	2019
Long Canyon (Lower Sweetwater Watershed)	1.4 miles	Indicator Bacteria	2014	2025
Long Canyon Creek (tributary to Murrieta Creek)	8.3 miles	Chlorpyrifos	2010	2019
		Iron	2010	2019
		Manganese	2010	2019
		Nitrogen	2014	2023
		Phosphorus	2010	2023

Table C-1 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Streams and Rivers (Listed Alphabetically)				
Stream or River	Impaired Area	Pollutant	Year Listed	Scheduled TMDL Completion
		Indicator Bacteria	2014	2027
		Nitrogen	2010	2027
		Phosphorus	2010	2023
		Selenium	2010	2019
Los Coches Creek	8.8 miles	Indicator Bacteria	2014	2027
		Nitrogen	2010	2027
		Phosphorus	2010	2023
		Selenium	2010	2019
Los Peñasquitos Creek	12 miles	Benthic Community Effects	2010	2025
		Bifenthrin	2014	2027
		Chlorpyrifos	2014	2027
		Indicator Bacteria	2014	2019
		Nitrogen	2014	2019
		Phosphate	2006	2019
		Total Dissolved Solids	2006	2019
		Toxicity	2010	2023
Mexican Canyon Creek (eastern tributary to Sweetwater River, Upper)	4.5 miles	Indicator Bacteria	2014	2027
Mexican Canyon Creek (western tributary to Sweetwater River, Upper)	3.2 miles	Indicator Bacteria	2014	2027
Moosa Canyon Creek	18 miles	Indicator Bacteria	2014	2027
		Nitrogen	2010	2023
		Phosphorus	2010	2023
Moro Canyon Creek	3.4 miles	Nitrogen	2010	2023
		Phosphorus	2010	2023
		Selenium	2010	2021
		Toxicity	2010	2021
Murrieta Creek	12 miles	Chlorpyrifos	2010	2021
		Copper	2016	2019
		Indicator Bacteria	2014	2025

Table C-1 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Streams and Rivers (Listed Alphabetically)				
Stream or River	Impaired Area	Pollutant	Year Listed	Scheduled TMDL Completion
		Iron	2006	2019
		Manganese	2006	2019
		Nitrogen	2006	2019
		Phosphorus	2002	2019
		Toxicity	2010	2021
Oso Creek (near Mission Viejo Golf Course)	1 mile	Chloride	2006	2019
		Sulfates	2006	2019
		Total dissolved solids	2006	2019
Oso Creek (lower)	4 miles	Nitrogen	2010	2023
		Phosphorus	2010	2023
		Selenium	2010	2021
		Toxicity	2010	2021
Paleta Creek	4.1 miles	Copper	2010	2021
		Lead	2010	2021
Paradise Creek	2.8 miles	Phosphorus	2010	2023
		Selenium	2010	2021
Pine Valley Creek (lower)	16 miles	Indicator Bacteria	2014	2025
Poggi Canyon Creek	7.8 miles	Nitrogen	2014	2023
		Toxicity	2010	2021
Poway Creek	7.3 miles	Nitrogen	2014	2023
		Selenium	2010	2021
		Toxicity	2010	2021
Prima Deshecha Creek	1.2 miles	Cadmium	2010	2021
		Indicator Bacteria	2014	2027
		Malathion	2014	2027
		Nitrogen	2014	2023
		Phosphorus	2002	2019
		Selenium	2014	2027

Table C-1 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Streams and Rivers (Listed Alphabetically)				
Stream or River	Impaired Area	Pollutant	Year Listed	Scheduled TMDL Completion
		Turbidity	2002	2019
Rainbow Creek	5 miles	Aluminum	2016	2025
		Iron	2006	2019
		Nitrogen	2002	2006
		Phosphorus	2002	2006
		Sulfates	2006	2019
		Total dissolved solids	2006	2019
Redhawk Channel	0.15 miles	Chlorpyrifos	2010	2021
		Copper	2010	2021
		Diazinon	2010	2021
		Indicator Bacteria	2014	2025
		Iron	2010	2019
		Manganese	2010	2021
		Nitrogen	2010	2021
		Phosphorus	2010	2021
		Total Dissolved Solids	2010	2021
Reidy Canyon Creek	3.9 miles	Indicator Bacteria	2014	2027
		Phosphorus	2006	2019
Rose Creek	13 miles	Benthic Community Effects	2010	2025
		Selenium	2010	2021
		Toxicity	2010	2021
Salt Creek (Orange County)	10 miles	Benthic Community Effects	2014	2025
		Malathion	2014	2027
		Toxicity	2014	2027
San Diego River (lower)	16 miles	Benthic Community Effects	2014	2025
		Cadmium	2014	2029
		Indicator Bacteria	2014	2011
		Nitrogen	2010	2029
		Oxygen, Dissolved	2014	2019
		Phosphorus	2002	2019
		Total Dissolved Solids	2002	2019

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Stream or River	Impaired Area	Pollutant	Year Listed	Scheduled TMDL Completion
		Toxicity	2010	2025
San Diego River (Upper)	32 miles	Indicator Bacteria	2014	2025
		Oxygen, Dissolved	2014	2025
		Sulfates	2010	2025
San Dieguito River	19 miles	Benthic Community Effects	2010	2025
		Indicator Bacteria	2014	2011
		Nitrogen	2010	2021
		Phosphorus	2010	2021
		Total Dissolved Solids	2010	2021
		Toxicity	2010	2021
San Dieguito River, unnamed tributary below Hodges Dam	4.2 miles	Indicator Bacteria	2014	2025
San Elijo Creek (San Diego County)	3.7 miles	Indicator Bacteria	2014	2025
San Elijo Creek (San Diego County), unnamed tributary at San Elijo Avenue	1.6 miles	Indicator Bacteria	2014	2025
San Juan Creek	1 mile	Benthic Community Effects	2010	2025
		DDE	2006	2019
		Indicator Bacteria	1992	2019
		Nitrogen	2014	2021
		Oxygen, Dissolved	2014	2029
		Phosphorus	2016	2021
		Selenium	2010	2021
		Toxicity	2010	2021
San Luis Rey River (west of Interstate 5)	19 miles	Benthic Community Effects	2010	2025
		Bifenthrin	2014	2029
		Chloride	2002	2019
		Indicator Bacteria	2014	2021
		Nitrogen	2014	2021

Table C-1 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Streams and Rivers (Listed Alphabetically)				
Stream or River	Impaired Area	Pollutant	Year Listed	Scheduled TMDL Completion
		Phosphorus	2010	2021
		Toxicity	2010	2021
San Luis Rey River (east of Interstate 5)	35 miles	Indicator Bacteria	2014	2025
		Phosphorus	2010	2023
		Total Nitrogen as N	2010	2021
San Marcos Creek	19 miles	Benthic Community Effects	2010	2025
		DDE	2006	2019
		Indicator Bacteria	2014	2025
		Phosphorus	2006	2019
		Selenium	2010	2021
		Toxicity	2014	2019
San Marcos, Lake, drain to central southwest fork of lake	0.07 miles	Copper	2014	2027
		Indicator Bacteria	2014	2025
San Mateo Creek (San Diego County)	18 miles	Indicator Bacteria	2014	2025
		Invasive Species	2014	2027
		Ammonia as Nitrogen	2010	2021
San Vicente Creek (San Diego County)	16 miles	Indicator Bacteria	2014	2025
		Phosphorus	2010	2023
		Total Nitrogen as N	2010	2021
		Toxicity	2010	2021
Sandia Creek	1.5 miles	Aluminum	2016	2027
		Ammonia (Unionized)	2014	2025
		Iron	2006	2025
		Manganese	2006	2025
		Nitrogen	2006	2029
		Selenium	2016	2027
		Silver	2016	2027

Table C-1 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Streams and Rivers (Listed Alphabetically)				
Stream or River	Impaired Area	Pollutant	Year Listed	Scheduled TMDL Completion
		Sulfates	2006	2019
		Total Dissolved Solids	2002	2019
Santa Gertrudis Creek	12 miles	Chlorpyrifos	2010	2021
		Copper	2010	2021
		Indicator Bacteria	2014	2021
		Iron	2010	2021
		Manganese	2010	2021
		Nitrogen	2014	2023
		Phosphorus	2010	2021
Santa Margarita River (lower)	19 miles	Benthic Community Effects	2014	2025
		Chlorpyrifos	2014	2029
		Indicator Bacteria	2014	2025
		Nitrogen	2014	2025
		Phosphorus	2010	2021
		Toxicity	2010	2025
Santa Margarita River (upper)	18 miles	Indicator Bacteria	2014	2025
		Iron	2014	2025
		Manganese	2010	2025
		Nitrogen	2014	2023
		Phosphorus	2002	2019
		Toxicity	2010	2025
Santa Ysabel Creek (above Sutherland Reservoir)	12 miles	Toxicity	2010	2021
Segunda Deshecha Creek	0.92 miles	Benthic Community Effects	2014	2025
		Indicator Bacteria	2014	2027
		Malathion	2014	2027
		Nitrogen	2014	2027
		Phosphorus	2002	2019
		Selenium	2014	2027
		Toxicity	2010	2021

Table C-1 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Streams and Rivers (Listed Alphabetically)				
Stream or River	Impaired Area	Pollutant	Year Listed	Scheduled TMDL Completion
		Turbidity	2002	2019
Soledad Canyon	1.7 miles	Sediment toxicity	2002	2019
		Selenium	2010	2021
Steele Canyon	5.4 miles	Indicator Bacteria	2014	2025
Sweetwater River (below Sweetwater Reservoir)	5.3 miles	Benthic Community Effects	2014	2025
		Chlorpyrifos	2014	2025
		Indicator Bacteria	2014	2021
		Nitrogen	2014	2021
		Phosphorus	2010	2021
		Selenium	2010	2021
		Total Dissolved Solids	2010	2021
Sweetwater River, North Fork, unnamed tributary at Tavern Road	1.6 miles	Indicator Bacteria	2014	2025
		Manganese	2014	2027
Sweetwater River, Upper (above Sweetwater Reservoir)	43 miles	Aluminum	2014	2027
		Benthic Community Effects	2014	2025
		Indicator Bacteria	2014	2025
		Selenium	2010	2027
		Total Nitrogen as N	2010	2027
Switzer Creek	1.3 miles	Copper	2010	2021
		Lead	2010	2021
		Zinc	2010	2021
Sycamore Canyon	8.3 miles	Oxygen, Dissolved	2014	2025
Tecate Creek	1.2 miles	Nitrogen	2010	2027
		Phosphorus	2010	2023
		Selenium	2010	2021

Table C-1 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Streams and Rivers (Listed Alphabetically)				
Stream or River	Impaired Area	Pollutant	Year Listed	Scheduled TMDL Completion
Tecolote Creek	6.6 miles	Benthic Community Effects	2010	2025
		Bifenthrin	2014	2025
		Cadmium	1996	2019
		Copper	1996	2019
		Cypermethrin	2014	2025
		Diazinon	2014	2025
		Indicator Bacteria	1996	2011
		Lead	1996	2019
		Nitrogen	2010	2021
		Phosphorus	2006	2019
		Selenium	2010	2021
		Toxicity	1996	2019
		Turbidity	2006	2019
Zinc	1996	2019		
Tecolote Creek, South Fork	4 miles	Indicator Bacteria	2014	2025
Telegraph Canyon	10 miles	Nitrogen	2010	2027
		Selenium	2010	2021
Temecula Creek	44 miles	Chlorpyrifos	2010	2021
		Copper	2010	2021
		Indicator Bacteria	2014	2025
		Phosphorus	2006	2019
		Total dissolved solids	2006	2019
		Toxicity	2010	2021
Tijuana River	6 miles	Ammonia as Nitrogen	2010	2027
		Benthic Community Effects	2010	2025
		Cadmium	2014	2025
		Chlorpyrifos	2014	2025

Table C-1 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Streams and Rivers (Listed Alphabetically)				
Stream or River	Impaired Area	Pollutant	Year Listed	Scheduled TMDL Completion
		Diazinon	2014	2025
		Eutrophic	1996	2019
		Indicator Bacteria	1992	2010
		Low Dissolved Oxygen	1996	2019
		Malathion	2014	2025
		Pesticides	1996	2019
		Phosphorus	2010	2021
		Sedimentation/Siltation	2010	2021
		Selenium	2010	2025
		Solids	1996	2019
		Surfactants (MBAS)	2010	2021
		Synthetic Organics	1996	2019
		Total Nitrogen as N	2010	2025
		Toxicity	2010	2025
		Trace Elements	1998	2019
Trash	1998	2019		
Warm Springs Creek (Riverside County)	15 miles	Chlorpyrifos	2010	2021
		Indicator Bacteria	2014	2021
		Iron	2010	2021
		Manganese	2010	2021
		Nitrogen	2014	2021
		Phosphorus	2010	2021
Wood Canyon (Orange County)	3.9 miles	Benthic Community Effects	2010	2025
		Diazinon	2014	2027
		Selenium	2014	2027

¹ Category 5 303(d) listings represent impaired waters where development of a Total Daily Maximum Load (TMDL) is required. The above listings were approved by the State Water Resources Control Board on October 3, 2017 and approved by the U.S. Environmental Protection Agency on April 6, 2018.

Table C-2 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Lakes and Reservoirs				
Lake or Reservoir	Impacted Area	Pollutant	Year Listed	Scheduled TMDL Completion
Barrett Lake	125 acres	Color	2006	2019
		Manganese	2006	2019
		Perchlorate	2010	2019
		Phosphorus	2010	2023
		Total nitrogen	2010	2019
		pH	2006	2019
El Capitan Lake	1454 acres	Color	2006	2019
		Manganese	2006	2019
		Phosphorus	2010	2021
		Total nitrogen	2010	2021
		pH	2006	2019
Guajome Lake	33 acres	Eutrophic	1996	2019
Lake Hodges	1104 acres	Color	2002	2019
		Manganese	2006	2019
		Mercury	2016	2021
		Nitrogen	2002	2019
		Phosphorus	2002	2013
		Turbidity	2006	2019
		pH	2006	2019
Loveland Reservoir	420 acres	Aluminum	2006	2019
		Dissolved oxygen	2006	2019
		Manganese	2006	2019
		pH	2006	2019
Morena Reservoir	104 acres	Ammonia	2014	2019
		Color	2006	2019
		Manganese	2006	2019
		Nitrogen	2010	2023
		Phosphorus	2010	2019
		pH	2006	2019
Otay Reservoir, Lower	1050 acres	Ammonia	2010	2019

Table C-2 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Lakes and Reservoirs				
Lake or Reservoir	Impacted Area	Pollutant	Year Listed	Scheduled TMDL Completion
		Color	2006	2019
		Iron	2006	2019
		Manganese	2006	2019
		Nitrogen	2010	2021
		Phosphorus	2010	2023
		pH	2014	2019
San Marcos Lake	17 acres	Ammonia as Nitrogen	2006	2019
		Copper	2014	2027
		Nutrients	2006	2019
		Phosphorus	2006	2019
San Vicente Reservoir	1058 acres	Chloride	2006	2019
		Color	2006	2023
		Nitrogen	2014	2023
		Sulfates	2006	2019
		pH	2014	2019
Sutherland Reservoir	561 acres	Color	2002	2019
		Iron	2016	2021
		Manganese	2006	2019
		Nitrogen	2014	2021
		Phosphorus	2010	2023
		pH	2006	2019
Sweetwater Reservoir	925 acres	Dissolved oxygen	2006	2019

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Appendix C-3 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Bays, Estuaries and Bay Shoreline Waters²				
Bay or Estuary	Impacted Area	Pollutant	Year Listed	Scheduled TMDL Completion
Agua Hedionda Lagoon	6.8 acres	Toxicity	2014	2027
Aliso Creek (mouth)	0.29 acres	Indicator Bacteria	1990	2011
		Toxicity	2014	2027
Batiquitos Lagoon	433 acres	Toxicity	2014	2027
Buena Vista Lagoon	202 acres	Indicator Bacteria	1996	2008
		Nutrients	1996	2019
		Sedimentation/Siltation	1996	2019
		Toxicity	2014	2027
Dana Point Harbor	119 acres	Copper	2010	2019
		Indicator Bacteria	2002	2025
		Oxygen, Dissolved	2014	2029
		Toxicity	2010	2021
		Zinc	2010	2023
Famosa Slough and Channel	32 acres	Eutrophic	1990	2027
Loma Alta Slough	8.2 acres	Eutrophic	1996	2027
		Indicator bacteria	1996	2027
Los Peñasquitos Lagoon	469 acres	Sedimentation/Siltation	1992	2014
		Toxicity	2014	2027
Mission Bay	1,968 acres	Mercury	2014	2027
		PCBs (Polychlorinated biphenyls)	2014	2027
Mission Bay, area at Mouth of Rose Creek	9.2 acres	Eutrophic	1996	2019
		Lead	1996	2019
Mission Bay, area at mouth of Tecolote Creek	3.1 acres	Eutrophic	1996	2019
		Lead	1996	2019
Mission Bay Shoreline, Bahia Point	0.14 miles	Indicator Bacteria	2014	2019
Mission Bay Shoreline, Bonita Cove	0.09 miles	Indicator Bacteria	2014	2019
Mission Bay Shoreline, Bonita Cove (eastern shore)	0.03 miles	Indicator Bacteria	2014	2025
Mission Bay Shoreline, Campland	0.08 miles	Indicator Bacteria	2014	2025
Mission Bay Shoreline, De Anza Cove	0.06 miles	Indicator Bacteria	2014	2019

Appendix C-3 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Bays, Estuaries and Bay Shoreline Waters²				
Bay or Estuary	Impacted Area	Pollutant	Year Listed	Scheduled TMDL Completion
Mission Bay Shoreline, Fanuel Park	0.12 miles	Indicator Bacteria	2014	2019
Mission Bay Shoreline, Leisure Lagoon	0.12 miles	Indicator Bacteria	2014	2019
Mission Bay Shoreline, Leisure Lagoon	0.12 miles	Indicator Bacteria	2014	2025
Mission Bay Shoreline, at North Cove Beach at Vacation Isle	0.03 miles	Indicator Bacteria	2014	2025
Mission Bay Shoreline, North Crown Point	0.12 miles	Indicator Bacteria	2014	2019
Mission Bay Shoreline, at Ski Beach at Vacation Isle	0.03 miles	Indicator Bacteria	2014	2025
Mission Bay Shoreline, at Visitors Center	0.1 miles	Indicator Bacteria	2014	2019
Mission Bay, Quivera Basin	65 acres	Copper	2010	2021
Oceanside Harbor	52 acres	Copper	2010	2021
		Toxicity	2010	2027
Pacific Ocean Shoreline, Aliso HSA, at Aliso Creek mouth	0.03 miles	Indicator Bacteria	2014	2025
		Toxicity	2014	2029
Pacific Ocean Shoreline, Dana Point HSA, at Niguel Marine Life Refuge	0.03 miles	Toxicity	2014	2029
Pacific Ocean Shoreline, Imperial Beach Pier	0.42 miles	Indicator Bacteria	2014	2019
		PCBs (Polychlorinated biphenyls)	2006	2019
		Trash	2014	N/A
Pacific Ocean Shoreline, Loma Alta HSA, at Loma Alta Creek mouth	0.03 miles	Indicator Bacteria	1998	2019
		Trash	2014	N/A
Pacific Ocean Shoreline, Otay Valley HA, at Carnation Ave and Camp Surf Jetty	0.03 miles	Indicator Bacteria	2014	2019
Pacific Ocean Shoreline, Point Loma HA, at Bermuda Ave	0.03 miles	Indicator Bacteria	2014	2019
Pacific Ocean Shoreline, San Elijo HSA, at Cardiff State Beach at San Elijo Lagoon	0.44 miles	Indicator Bacteria	1998	2008

Appendix C-3 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Bays, Estuaries and Bay Shoreline Waters²				
Bay or Estuary	Impacted Area	Pollutant	Year Listed	Scheduled TMDL Completion
Pacific Ocean Shoreline, San Mateo Canyon HA, at San Mateo Creek outlet	0.31 miles	Indicator Bacteria	2014	2025
Pacific Ocean Shoreline, Tijuana HU, at 3/4 mile North of Tijuana River	0.03 miles	Indicator Bacteria	2014	2021
Pacific Ocean Shoreline, Tijuana HU, at Cortez Avenue	0.03 miles	Indicator Bacteria	2014	2025
Pacific Ocean Shoreline, Tijuana HU, at Monument Road	0.03 miles	Indicator Bacteria	2014	2019
Pacific Ocean Shoreline, Tijuana HU, at Tijuana River mouth	0.03 miles	Indicator Bacteria	2014	2019
Pacific Ocean Shoreline, Tijuana HU, at end of Seacoast Drive	0.03 miles	Indicator Bacteria	2014	2019
Pacific Ocean Shoreline, Tijuana HU, at the US Border	0.03 miles	Indicator Bacteria	2014	2019
San Diego Bay	10,783 acres	Mercury	2014	2027
		PAHs	2014	2025
		PCBs	2006	2019
San Diego Bay Shoreline, 32 nd Street Naval Station	103 acres	Benthic community effects	1998	2019
		Sediment toxicity	1998	2019
San Diego Bay Shoreline, Chula Vista Marina	0.41 miles	Copper	2006	2019
San Diego Bay Shoreline, Downtown Anchorage	7.4 acres	Benthic community effects	1998	2019
		Sediment toxicity	1998	2019
San Diego Bay Shoreline, Near G St Pier	0.42 miles	Indicator Bacteria	2002	2025
San Diego Bay Shoreline, No. of 24 th Street Marine Terminal	9.5 acres	Benthic community effects	2002	2019
		Sediment toxicity	2002	2019
San Diego Bay Shoreline, 7 th Street Channel	9 acres	Benthic community effects	2002	2008
		Sediment toxicity	2002	2008
San Diego Bay Shoreline, Tidelands Park	0.38 miles	Indicator Bacteria	1800	2021

Appendix C-3 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Bays, Estuaries and Bay Shoreline Waters²				
Bay or Estuary	Impacted Area	Pollutant	Year Listed	Scheduled TMDL Completion
San Diego Bay Shoreline B Street and Broadway Piers	9.9 acres	Benthic community effects	2002	2019
		Sediment toxicity	2002	2019
		Indicator Bacteria	2010	2019
San Diego Bay Shoreline, Americas Cup Harbor	88 acres	Copper	1992	2019
San Diego Bay Shoreline, Bayside Park (J Street)	50 acres	Indicator Bacteria	2014	2021
San Diego Bay Shoreline, Coronado Cays	47 acres	Copper	1992	2019
San Diego Bay Shoreline, Glorietta Bay	52 acres	Copper	1992	2019
San Diego Bay Shoreline, Harbor Island (East Basin)	73 acres	Copper	1992	2019
San Diego Bay Shoreline, Harbor Island (West Basin)	132 acres	Copper	1992	2019
San Diego Bay Shoreline, Marriott Marine	24 acres	Copper	1992	2019
San Diego Bay Shoreline, Near Chollas Creek	15 acres	Benthic community effects	2002	2010
		Sediment toxicity	2002	2010
San Diego Bay Shoreline, Near Coronado Bridge	37 acres	Benthic community effects	2002	2019
		Sediment toxicity	2002	2019
San Diego Bay Shoreline, Near Switzer Creek	5.5 acres	Chlordane	2002	2019
		PAHs	2002	2019
San Diego Bay Shoreline, Near Sub Base	16 acres	Benthic community effects	2002	2021
		Toxicity	2002	2021
San Elijo Lagoon	330 acres	Eutrophic	1996	2019
	150 acres	Indicator bacteria	1996	2015
		Sedimentation/siltation	1996	2019

Appendix C-3 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Bays, Estuaries and Bay Shoreline Waters²				
Bay or Estuary	Impacted Area	Pollutant	Year Listed	Scheduled TMDL Completion
		Toxicity	2014	2025
San Juan Creek (mouth)	6.3 acres	Cadmium	2014	2025
		Copper	2014	2025
		Indicator Bacteria	1990	2011
		Nickel	2014	2025
Tijuana River Estuary	1319 acres	Eutrophic	1996	2019
		Indicator bacteria	1988	2010
		Lead	1992	2019
		Low Dissolved oxygen	1988	2019
		Nickel	1992	2019
		Pesticides	1992	2019
		Thallium	1992	2019
		Toxicity	2014	2025
		Trash	1996	2019
		Turbidity	2006	2019

1 Category 5 303(d) listings represent impaired waters where development of a Total Daily Maximum Load (TMDL) is required. The above listings were approved by the State Water Resources Control Board on October 3, 2017 and approved by the U.S. Environmental Protection Agency on April 6, 2018.

2 See Table D-4 for impaired sections of the Pacific Ocean shoreline that are not within bays or estuaries.

Appendix C-4 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Pacific Ocean Shoreline²				
Pacific Ocean Shoreline	Impacted Area	Pollutant	Year Listed	Scheduled TMDL Completion
Aliso Hydrologic Subarea, Aliso Beach (middle)	0.03 miles	Enterococcus	1998	2021
		Total coliform	1998	2021
Aliso Hydrologic Subarea, Aliso Creek mouth	0.03 miles	Enterococcus	1998	2021
		Fecal coliform	1998	2021
		Total coliform	1998	2012
Batiquitos Hydrologic Subarea, Moonlight State Beach at Cottonwood Creek outlet	0.03 miles	Total coliform	1998	2019
Coronado Hydrologic Area, Silver Strand (north end)	0.03 miles	Enterococcus	2010	2021
Dana Point Hydrologic Subarea, Aliso Beach at West Street	0.03 miles	Indicator bacteria	2010	2005
Dana Point Hydrologic Subarea, Dana Point Harbor at Baby Beach	0.03 miles	Enterococcus	1998	2012
		Total coliform	1998	2012
Dana Point Hydrologic Subarea, Salt Creek outlet at Monarch Beach	0.03 miles	Total coliform	1998	2021
Imperial Beach Pier	0.42 miles	Fecal coliform	2010	2019
		PCBs	2006	2019
		Total coliform	2010	2019
Laguna Beach Hydrologic Subarea, Main Beach	0.03 miles	Total coliform	1998	2019
Loma Alta Hydrologic Subarea, Loma Alta Creek Mouth	0.03 miles	Indicator bacteria	1998	2019
Lower San Juan Hydrologic Subarea, North Beach Creek	0.03 miles	Enterococcus	1998	2021
		Fecal coliform	1998	2021
		Total coliform	1998	2021
Lower San Juan Hydrologic Subarea, North Doheny State Park Campground	0.03 miles	Enterococcus	2010	2021
		Total coliform	2010	2021
Lower San Juan Hydrologic Subarea, San Juan Creek	0.03 miles	Enterococcus	1998	2021
		Fecal coliform	1998	2021
		Total coliform	1998	2021

Appendix C-4 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Pacific Ocean Shoreline²				
Pacific Ocean Shoreline	Impacted Area	Pollutant	Year Listed	Scheduled TMDL Completion
Lower San Juan Hydrologic Subarea, South Doheny State Park Campground	0.03 miles	Enterococcus	2010	2021
Miramar Reservoir Hydrologic Area, Los Peñasquitos River mouth	0.39 miles	Total coliform	2010	2019
Otay Hydrologic Unit, Carnation Avenue and Camp Surf Jetty	0.03 miles	Total coliform	2010	2019
Point Loma Hydrologic Area, Bermuda Avenue	0.03 miles	Total coliform	2010	2019
San Clemente Hydrologic Unit, Poche Beach	0.03 miles	Enterococcus	1998	2019
		Total coliform	1998	2019
San Clemente Hydrologic Unit, San Clemente City Beach at Pier	0.03 miles	Enterococcus	1998	2019
San Clemente Hydrologic Unit, San Clemente City Beach, North Beach	0.03 miles	Total coliform	1998	2019
San Clemente Hydrologic Unit, San Capistrano Beach at Beach Road	0.03 miles	Enterococcus	1998	2021
San Clemente Hydrologic Unit, South Capistrano County Beach	0.03 miles	Enterococcus	1998	2012
		Total coliform	1998	2021
San Diego Hydrologic Unit, San Diego River at Dog Beach	0.03 miles	Enterococcus	1998	2012
		Total coliform	1998	2010
San Dieguito Hydrologic Unit, San Dieguito Lagoon Mouth at San Dieguito River Beach	0.03 miles	Total coliform	1998	2010
San Elijo Hydrologic Unit, Cardiff State Beach at Cardiff Lagoon	0.44 miles	Total coliform	1998	2008
San Luis Rey Hydrologic Unit, San Luis Rey River Mouth	0.03 miles	Enterococcus	1998	2021
		Total coliform	1998	2021
San Mateo Canyon Hydrologic Area at San Mateo Creek outlet	0.31 miles	Total coliform	2010	2019

Appendix C-4 Category 5 303(d) Impaired Water Bodies and Scheduled TMDLs¹ Pacific Ocean Shoreline²				
Pacific Ocean Shoreline	Impacted Area	Pollutant	Year Listed	Scheduled TMDL Completion
Scripps Hydrologic Area at Avenida de la Playa at La Jolla Shores Beach	0.03 miles	Total coliform	2010	2019
Scripps Hydrologic Area at Childrens Pool	0.03 miles	Enterococcus	1998	2021
		Fecal Coliform	1998	2021
		Total Coliform	1998	2021
Scripps Hydrologic Area at La Jolla Cove	0.03 miles	Total coliform	2010	2019
Scripps Hydrologic Area at Pacific Beach Point, Pacific Beach	0.03 miles	Enterococcus	2010	2019
		Fecal coliform	2010	2019
		Total coliform	2010	2019
Scripps Hydrologic Area at Ravina	0.03 miles	Total coliform	1998	2019
Scripps Hydrologic Area at Vallecitos Court, La Jolla Shores Beach	0.03 miles	Total coliform	2010	2021
Tijuana Hydrologic Unit, 0.75 miles north of Tijuana River	0.03 miles	Enterococcus	1996	2021
		Fecal coliform	1996	2021
		Total coliform	1996	2021
Tijuana Hydrologic Unit at Monument Road	0.03 miles	Fecal coliform	1996	2021
		Total coliform	1996	2019
Tijuana Hydrologic Unit, at Tijuana River mouth	0.03 miles	Enterococcus	1996	2019
		Fecal coliform	1996	2019
		Total coliform	1996	2019
Tijuana Hydrologic Unit, at Seacoast Drive	0.03 miles	Enterococcus	1996	2021
		Fecal coliform	1996	2021
		Total coliform	1996	2019
Tijuana Hydrologic Unit, at U.S. Border	0.03 miles	Enterococcus	1996	2021
		Fecal coliform	1996	2021
		Total coliform	1996	2019

1 Category 5 303(d) listings represent impaired waters where development of a Total Daily Maximum Load (TMDL) is required. The above listings were approved by the State Water Resources Control Board on August 4, 2010 and approved by the U.S. Environmental Protection Agency on October 11, 2011.

2 Impaired shoreline waters along estuaries or bays are presented in Table D-3.