2014 CALIFORNIA 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS*

Category 5 criteria: 1) A water segment where standards are not met and a TMDL is required, but not yet completed, for at least one of the pollutants being listed for this segment.

* USGS HUC = US Geological Survey Hydrologic Unit Code. Calwater = State Water Resources Control Board hydrological subunit area or even smaller planning watershed.

** TMDL requirement status definitions for listed pollutants are: A= TMDL still required, B= being addressed by USEPA approved TMDL, C= being addressed by action other than a TMDL, ALT= being addressed by USEPA approved TMDL alternative

*** Dates relate to the TMDL requirement status, so a date for A= TMDL scheduled completion date, B= Date USEPA approved TMDL, and C= Completion date for action other than a TMDL

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	• POLLUTANT ○ POTENTIAL SOURCES *Relevant Notes*	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS**	DATE***
9	Agua Hedionda Creek	River & Stream	90431000 / 18070303	• Benthic Community Effects ○ Source Unknown	7 Miles	2010	5A	2025
				• Manganese ○ Source Unknown	7 Miles	2006	5A	2019
				• Phosphorus ○ Source Unknown	7 Miles	2010	5A	2019
				• Selenium ○ Source Unknown	7 Miles	2006	5A	2019
				• Total Dissolved Solids ○ Source Unknown	7 Miles	2002	5A	2019
				• Toxicity ○ Source Unknown	7 Miles	2010	5A	2019
9	Aliso Creek	River & Stream	90113000 / 18070301	• Benthic Community Effects ○ Source Unknown	19 Miles	2010	5A	2025
				• Indicator Bacteria ○ Source Unknown	19 Miles	2002	5B	2011
				This listing for indicator bacteria applies to the Aliso Creek mainstem and all the major tributaries of Aliso Creek which are Sulphur Creek, Wood Canyon, Aliso Hills Canyon, Dairy Fork, and English Canyon.				
				• Phosphorus ○ Source Unknown	19 Miles	2002	5A	2019
				This listing for phosphorus applies to the Aliso Creek mainstem and all the major tributaries of Aliso Creek which are Sulphur Creek, Wood Canyon, Aliso Hills Canyon, Dairy Fork, and English Canyon.				
				• Selenium ○ Source Unknown	19 Miles	2010	5A	2021
				• Toxicity ○ Source Unknown ○ Unknown Nonpoint Source ○ Unknown Point Source	19 Miles	2002	5A	2019
				This listing for toxicity applies to the Aliso Creek mainstem and all the major tributaries of				

				Aliso Creek which are Sulphur Creek, Wood Canyon, Aliso Hills Canyon, Dairy Fork, and English Canyon.				
9	Aliso Creek (mouth)	Estuary	90113000 / 18070301	• Indicator Bacteria ◦ Source Unknown	0.29 Acres	1990	5B	2011
				LOEs 30623, 30625, 30614, 30616, 30619, and 30620 will be linked to this listing decision in the next cycle.				
9	Alvarado Creek	River & Stream	90711000 / 18070304	• Nitrogen ◦ Source Unknown	5.1 Miles	2010	5A	2023
				• Selenium ◦ Source Unknown	5.1 Miles	2010	5A	2021
9	Arroyo Trabuco Creek	River & Stream	90120000 / 18070202	• Benthic Community Effects ◦ Source Unknown	23 Miles	2010	5A	2025
				• Diazinon ◦ Source Unknown	23 Miles	2010	5A	2019
				• Phosphorus ◦ Natural Sources ◦ Source Unknown ◦ Urban Runoff/Storm Sewers	23 Miles	2010	5A	2019
				• Toxicity ◦ Source Unknown	23 Miles	2010	5A	2019
9	Barrett Lake	Lake & Reservoir	91130000 / 18070305	• Color ◦ Source Unknown	125 Acres	2006	5A	2019
				• Manganese ◦ Source Unknown	125 Acres	2006	5A	2019
				• Perchlorate ◦ Source Unknown	125 Acres	2010	5A	2019
				• Phosphorus ◦ Source Unknown	125 Acres	2010	5A	2023
				• Total Nitrogen as N ◦ Source Unknown	125 Acres	2010	5A	2019
				• pH ◦ Source Unknown	125 Acres	2006	5A	2019
9	Buena Creek	River & Stream	90432000 / 18070303	• DDT (Dichlorodiphenyltrichloroethane) ◦ Source Unknown	4.8 Miles	2006	5A	2019
				• Nitrate and Nitrite ◦ Source Unknown	4.8 Miles	2006	5A	2019
				• Phosphorus ◦ Source Unknown	4.8 Miles	2010	5A	2023
9	Buena Vista	River &	90421000 /	• Benthic Community Effects ◦ Source Unknown	11 Miles	2010	5A	2025

	Creek	Stream	18070303	• Selenium ◦ Source Unknown	11 Miles	2010	5A	2019
				The exceedance rate in LOE 6549 should be 4 over 4, and this change will be made in the next cycle.				
9	Buena Vista Lagoon	Estuary	90421000 / 18070303	• Indicator Bacteria ◦ Source Unknown	202 Acres	1996	5A	2008
				• Nutrients ◦ Source Unknown	202 Acres	1996	5A	2019
				Estimated size of impairment is 150 acres located in upper portion of lagoon.				
				• Sedimentation/Siltation ◦ Source Unknown	202 Acres	1996	5A	2019
9	Carroll Canyon	River & Stream	90610000 / 18070304	• Benthic Community Effects ◦ Hydromodification ◦ Illicit Connections/Illegal Hook-ups/Dry Weather Flows ◦ Source Unknown ◦ Unknown Nonpoint Source ◦ Unknown Point Source ◦ Urban Runoff/Storm Sewers	12 Miles	2010	5A	2025
9	Chocolate Creek	River & Stream	90733000 / 18070304	• Nitrogen ◦ Source Unknown	4.5 Miles	2010	5A	2025
				• Phosphorus ◦ Source Unknown	4.5 Miles	2010	5A	2023
9	Chollas Creek	River & Stream	90822000 / 18070304	• Copper ◦ Source Unknown	3.5 Miles	1996	5B	2008
				• Diazinon ◦ Source Unknown	3.5 Miles	2002	5B	2003
				• Indicator Bacteria ◦ Source Unknown	3.5 Miles	2002	5B	2011
				• Lead ◦ Source Unknown	3.5 Miles	1996	5B	2008
				• Phosphorus ◦ Source Unknown	3.5 Miles	2010	5A	2019
				• Trash ◦ Source Unknown	3.5 Miles	2010	5A	2021
				• Zinc ◦ Source Unknown	3.5 Miles	1996	5B	2008
9	Cloverdale Creek	River & Stream	90532000 / 18070304	• Phosphorus ◦ Source Unknown	1.2 Miles	2002	5A	2019
				• Total Dissolved Solids ◦ Source Unknown	1.2 Miles	2002	5A	2019

9	Cottonwood Creek (San Marcos Creek watershed)	River & Stream	90451000 / 18070303	• DDT (Dichlorodiphenyltrichloroethane) ◦ Source Unknown	1.9 Miles	2006	5A	2019
				• Phosphorus ◦ Source Unknown	1.9 Miles	2006	5A	2019
				• Selenium ◦ Source Unknown	1.9 Miles	2010	5A	2019
9	Cottonwood Creek (Tijuana River watershed)	River & Stream	91160000 / 18070305	• Selenium ◦ Source Unknown	53 Miles	2010	5A	2019
9	Dana Point Harbor	Bay & Harbor	90114000 / 18070301	• Copper ◦ Marinas and Recreational Boating ◦ Source Unknown ◦ Unknown Nonpoint Source ◦ Urban Runoff/Storm Sewers	119 Acres	2010	5A	2019
				• Indicator Bacteria ◦ Source Unknown *The listed indicator bacteria is total coliform for SHELL.*	119 Acres	2002	5A	2025
				• Toxicity ◦ Source Unknown	119 Acres	2010	5A	2021
				• Zinc ◦ Source Unknown	119 Acres	2010	5A	2027
9	De Luz Creek	River & Stream	90221000 / 18070302	• Iron ◦ Source Unknown	14 Miles	2006	5A	2019
				• Manganese ◦ Source Unknown	14 Miles	2006	5A	2019
				• Nitrogen ◦ Source Unknown	14 Miles	2014	5A	2025
				• Sulfates ◦ Source Unknown	14 Miles	2014	5A	2019
9	El Capitan Lake	Lake & Reservoir	90731000 / 18070304	• Color ◦ Source Unknown	1454 Acres	2006	5A	2019
				• Manganese ◦ Source Unknown	1454 Acres	2006	5A	2019
				• Phosphorus ◦ Source Unknown	1454 Acres	2010	5A	2021
				• Total Nitrogen as N ◦ Source Unknown	1454 Acres	2010	5A	2021

				pH ○ Source Unknown	1454 Acres	2006	5A	2019
9	Encinitas Creek	River & Stream	4904.510000 / 18070303	• Benthic Community Effects ○ Source Unknown	4.6 Miles	2010	5A	2025
				• Phosphorus ○ Source Unknown	4.6 Miles	2006	5A	2019
				• Selenium ○ Source Unknown	4.6 Miles	2010	5A	2019
				• Toxicity ○ Source Unknown	4.6 Miles	2010	5A	2019
9	English Canyon	River & Stream	90113000 / 18070301	• Benzo[b]fluoranthene ○ Source Unknown	3.6 Miles	2006	5A	2019
				• Dieldrin ○ Source Unknown	3.6 Miles	2006	5A	2019
				• Phosphorus ○ Source Unknown	3.6 Miles	2010	5A	2023
				• Selenium ○ Source Unknown	3.6 Miles	2010	5A	2019
				• Total Nitrogen as N ○ Source Unknown	3.6 Miles	2010	5A	2021
9	Escondido Creek	River & Stream	90462000 / 18070303	• Benthic Community Effects ○ Source Unknown	26 Miles	2010	5A	2025
				• DDT (Dichlorodiphenyltrichloroethane) ○ Source Unknown	26 Miles	2006	5A	2019
				• Manganese ○ Source Unknown	26 Miles	2006	5A	2019
				• Phosphate ○ Source Unknown	26 Miles	2006	5A	2019
				• Selenium ○ Source Unknown	26 Miles	2006	5A	2019
				• Sulfates ○ Source Unknown	26 Miles	2006	5A	2019
				• Total Dissolved Solids ○ Source Unknown	26 Miles	2006	5A	2019
				• Toxicity ○ Source Unknown	26 Miles	2010	5A	2019
9	Felicita Creek	River & Stream	90523000 / 18070304	• Aluminum ○ Source Unknown	0.92 Miles	2006	5A	2019
				• Total Dissolved Solids ○ Source Unknown	0.92 Miles	2002	5A	2019

9	Forester Creek	River & Stream	90712000 / 18070304	• Nitrogen ◦ Source Unknown	6.4 Miles	2010	5A	2029
				• Phosphorus ◦ Source Unknown	6.4 Miles	2006	5A	2019
				• Selenium ◦ Source Unknown	6.4 Miles	2010	5A	2019
				• Total Dissolved Solids ◦ Source Unknown	6.4 Miles	2002	5A	2019
				Impairment Located at lower 1 mile.				

9	Green Valley Creek	River & Stream	90521000 / 18070304	• Benthic Community Effects
				  ◦ Hydromodification
				  ◦ Illicit Connections/Illegal Hook-ups/Dry Weather Flows
				  ◦ Source Unknown
				  ◦ Unknown Point Source
				  ◦ Urban Runoff/Storm Sewers
					0.98 Miles	2010	5A	2025

				• Chloride ◦ Source Unknown	0.98 Miles	2006	5A	2019
				• Manganese ◦ Source Unknown	0.98 Miles	2006	5A	2019
				• Pentachlorophenol (PCP) ◦ Source Unknown	0.98 Miles	2006	5A	2019
				• Sulfates ◦ Source Unknown	0.98 Miles	2002	5A	2019
				• Total Nitrogen as N ◦ Source Unknown	0.98 Miles	2010	5A	2025
9	Guajome Lake	Lake & Reservoir	90311000 / 18070303	• Eutrophic ◦ Source Unknown	33 Acres	1996	5A	2019
9	Hodges, Lake	Lake & Reservoir	90521000 / 18070304	• Color ◦ Source Unknown	1104 Acres	2002	5A	2019
				• Manganese ◦ Source Unknown	1104 Acres	2006	5A	2019
				• Mercury ◦ Source Unknown	1104 Acres	2014	5A	2021
				• Nitrogen ◦ Source Unknown	1104 Acres	2002	5A	2019
				• Phosphorus ◦ Source Unknown	1104 Acres	2002	5A	2013
				• Turbidity ◦ Source Unknown	1104 Acres	2006	5A	2019
				• pH ◦ Source Unknown	1104 Acres	2006	5A	2019

9	Jamul Creek	River & Stream	91033000 / 18070304	• Toxicity ◦ Source Unknown	10 Miles	2010	5A	2019
9	Keys Creek	River & Stream	90312000 / 18070303	• Nitrogen ◦ Source Unknown	13 Miles	2010	5A	2025
				• Selenium ◦ Source Unknown	13 Miles	2010	5A	2019
9	Kit Carson Creek	River & Stream	90521000 / 18070304	• Pentachlorophenol (PCP) ◦ Source Unknown	0.99 Miles	2006	5A	2019
				• Total Dissolved Solids ◦ Source Unknown	0.99 Miles	2002	5A	2019
9	Laguna Canyon Channel	River & Stream	90112000 / 18070301	• Phosphorus ◦ Source Unknown	1.6 Miles	2010	5A	2023
				• Total Nitrogen as N ◦ Source Unknown	1.6 Miles	2010	5A	2025
				• Toxicity ◦ Source Unknown	1.6 Miles	2010	5A	2019

9	Loma Alta Creek	River & Stream	90410000 / 18070303	• Benthic Community Effects
				  ◦ Contaminated Sediments
				  ◦ Hydromodification
				  ◦ Illicit Connections/Illegal Hook-ups/Dry Weather Flows
				  ◦ Source Unknown
				  ◦ Unknown Point Source
				  ◦ Urban Runoff/Storm Sewers
					7.8 Miles	2010	5A	2025

				• Selenium ◦ Source Unknown *In LOE 8875, the exceedance rate should be 4 over 4, and this change will be updated in next cycle of assessment.*	7.8 Miles	2010	5A	2019
				• Toxicity ◦ Source Unknown	7.8 Miles	2010	5A	2019
9	Long Canyon Creek (tributary to Murrieta Creek)	River & Stream	90232000 / 18070302	• Chlorpyrifos ◦ Source Unknown	8.3 Miles	2010	5A	2019
				• Iron ◦ Source Unknown	8.3 Miles	2010	5A	2019
				• Manganese ◦ Source Unknown	8.3 Miles	2010	5A	2019
				• Phosphorus ◦ Source Unknown	8.3 Miles	2010	5A	2023

9	Los Coches Creek	River & Stream	90714000 / 18070304	• Nitrogen ◦ Source Unknown	8.8 Miles	2010	5A	2027
				• Phosphorus ◦ Source Unknown	8.8 Miles	2010	5A	2023
				• Selenium ◦ Source Unknown	8.8 Miles	2010	5A	2019
9	Los Penasquitos Creek	River & Stream	90610000 / 18070304	• Benthic Community Effects ◦ Contaminated Sediments ◦ Hydromodification ◦ Illicit Connections/Illegal Hook-ups/Dry Weather Flows ◦ Source Unknown ◦ Unknown Nonpoint Source ◦ Unknown Point Source ◦ Urban Runoff/Storm Sewers	12 Miles	2010	5A	2025
				• Phosphate ◦ Source Unknown	12 Miles	2006	5A	2019
				• Total Dissolved Solids ◦ Source Unknown	12 Miles	2006	5A	2019
				• Toxicity ◦ Source Unknown	12 Miles	2010	5A	2023
				See Decision numbers 43909 , 47497 , 47501 , 47517 , 47555 for potential pollutant sources of water toxicity.				
9	Los Penasquitos Lagoon	Estuary	90610000 / 18070304	• Sedimentation/Siltation ◦ Channel Erosion ◦ Channelization ◦ Erosion/Siltation ◦ Flow Alteration/Regulation/Modification ◦ Hydromodification ◦ Illicit Connections/Illegal Hook-ups/Dry Weather Flows ◦ Source Unknown ◦ Streambank Modification/Destabilization ◦ Urban Runoff/Storm Sewers	469 Acres	1992	5B	2014
				On June 13, 2014, the San Diego Water Board conducted a public hearing and adopted the Resolution No. R9-2012-0033 which amended the Basin Plan to include the Los PeÃ±asquitos Sediment TMDL. The State Water Resources Control Board adopted Resolution No. 2014-0001 on January 21, 2014 to incorporate the Los PeÃ±asquitos Sediment TMDL into the Basin Plan. The Office of Administrative Law approved the Los PeÃƒÂ±asquitos Sediment TMDL Basin Plan Amendment on July 14, 2014. The USEPA approved the Los PeÃ±asquitos Sediment TMDL Basin Plan Amendment on October 30, 2014.				
9	Loveland Reservoir	Lake & Reservoir	90931000 / 18070304	• Aluminum ◦ Source Unknown	420 Acres	2006	5A	2019
				• Manganese ◦ Source Unknown	420 Acres	2006	5A	2019
				• Oxygen, Dissolved ◦ Source Unknown	420 Acres	2006	5A	2019

				• pH ◦ Source Unknown *This listing was made by USEPA for 2006.*	420 Acres	2006	5A	2019
9	Mission Bay (area at mouth of Rose Creek only)	Bay & Harbor	90640000 / 18070304	• Eutrophic ◦ Source Unknown	9.2 Acres	1996	5A	2019
				• Lead ◦ Source Unknown	9.2 Acres	1996	5A	2019
9	Mission Bay (area at mouth of Tecolote Creek only)	Bay & Harbor	90650000 / 18070304	• Eutrophic ◦ Source Unknown	3.1 Acres	1996	5A	2019
				• Lead ◦ Source Unknown	3.1 Acres	1996	5A	2019
9	Mission Bay at Quivira Basin	Bay & Harbor	90752000 / 18070304	• Copper ◦ Source Unknown ◦ Unknown Nonpoint Source ◦ Unknown Point Source	65 Acres	2010	5A	2021
9	Moosa Canyon Creek	River & Stream	90313000 / 18070303	• Nitrogen ◦ Source Unknown	18 Miles	2010	5A	2023
				• Phosphorus ◦ Source Unknown	18 Miles	2010	5A	2023
9	Morena Reservoir	Lake & Reservoir	91150000 / 18070305	• Color ◦ Source Unknown	104 Acres	2006	5A	2019
				• Manganese ◦ Source Unknown	104 Acres	2006	5A	2019
				• Nitrogen ◦ Source Unknown	104 Acres	2010	5A	2023
				• Phosphorus ◦ Source Unknown	104 Acres	2010	5A	2021
				• pH ◦ Source Unknown ◦ Unknown Nonpoint Source	104 Acres	2006	5A	2019
9	Moro Canyon Creek	River & Stream	90111000 / 18070301	• Nitrogen ◦ Source Unknown	3.4 Miles	2010	5A	2023
				• Phosphorus ◦ Source Unknown	3.4 Miles	2010	5A	2023

				• Selenium ◦ Source Unknown	3.4 Miles	2010	5A	2021
				• Toxicity ◦ Source Unknown	3.4 Miles	2010	5A	2021
				This decision can be retired since the toxicity can be associated to the other impairments from 2010.				
9	Murrieta Creek	River & Stream	90252000 / 18070302	• Chlorpyrifos ◦ Source Unknown	12 Miles	2010	5A	2021
				• Copper ◦ Source Unknown	12 Miles	2014	5A	2019
				• Iron ◦ Source Unknown	12 Miles	2006	5A	2019
				• Manganese ◦ Source Unknown	12 Miles	2006	5A	2019
				• Nitrogen ◦ Source Unknown	12 Miles	2006	5A	2019
				• Phosphorus ◦ Source Unknown	12 Miles	2002	5A	2019
				• Toxicity ◦ Source Unknown	12 Miles	2010	5A	2021
9	Oceanside Harbor	Bay & Harbor	90211000 / 18070302	• Copper ◦ Source Unknown ◦ Unknown Nonpoint Source ◦ Urban Runoff/Storm Sewers	52 Acres	2010	5A	2021
				• Toxicity ◦ Source Unknown	52 Acres	2010	5A	2027
9	Oso Creek (at Mission Viejo Golf Course)	River & Stream	90120000 / 18070301	• Chloride ◦ Source Unknown	1 Miles	2006	5A	2019
				• Sulfates ◦ Source Unknown	1 Miles	2006	5A	2019
				• Total Dissolved Solids ◦ Source Unknown	1 Miles	2006	5A	2019
9	Oso Creek (lower)	River & Stream	90120000 / 18070301	• Nitrogen ◦ Source Unknown	4 Miles	2010	5A	2023
				• Phosphorus ◦ Source Unknown	4 Miles	2010	5A	2023
				• Selenium ◦ Source Unknown	4 Miles	2010	5A	2021
				• Toxicity ◦ Source Unknown	4 Miles	2010	5A	2021

See decision numbers 43302 , 43534 , 44429 for potential sources of water toxicity.

9	Otay Reservoir, Lower	Lake & Reservoir	91031000 / 18070304	• Ammonia ○ Source Unknown	1050 Acres	2010	5A	2019
				• Color ○ Source Unknown	1050 Acres	2006	5A	2019
				• Iron ○ Natural Sources ○ Source Unknown	1050 Acres	2006	5A	2019
				• Manganese ○ Source Unknown	1050 Acres	2006	5A	2019
				• Nitrogen ○ Source Unknown	1050 Acres	2010	5A	2021
				• Phosphorus ○ Source Unknown	1050 Acres	2010	5A	2023
9	Pacific Ocean Shoreline, Imperial Beach Pier	Coastal & Bay Shoreline	91010000 / 18070305	• PCBs (Polychlorinated biphenyls) ○ Source Unknown	0.42 Miles	2006	5A	2019
9	Pacific Ocean Shoreline, Loma Alta HSA, at Loma Alta Creek mouth	Coastal & Bay Shoreline	90410000 / 18070303	• Indicator Bacteria ○ Natural Sources ○ Nonpoint Source ○ Point Source ○ Source Unknown	0.03 Miles	1998	5A	2019
9	Pacific Ocean Shoreline, San Elijo HSA, at Cardiff State Beach at San Elijo Lagoon	Coastal & Bay Shoreline	90461000 / 18070303	• Indicator Bacteria ○ Source Unknown	0.44 Miles	1998	5A	2008
9	Paleta Creek	River & Stream	90831000 / 18070304	• Copper ○ Source Unknown	4.1 Miles	2010	5A	2021
				• Lead ○ Source Unknown	4.1 Miles	2010	5A	2021
9	Paradise Creek, HSA 908.320	River & Stream	90912000 / 18070304	• Phosphorus ○ Source Unknown	2.8 Miles	2010	5A	2023
				• Selenium	2.8 Miles	2010	5A	2021

				Source Unknown				
9	Poggi Canyon Creek	River & Stream	91020000 / 18070304	• Toxicity ◦ Source Unknown	7.8 Miles	2010	5A	2021
9	Poway Creek	River & Stream	90620000 / 18070304	• Selenium ◦ Source Unknown	7.3 Miles	2010	5A	2021
				• Toxicity ◦ Source Unknown	7.3 Miles	2010	5A	2021
9	Prima Deshecha Creek	River & Stream	90130000 / 18070301	• Cadmium ◦ Source Unknown	1.2 Miles	2010	5A	2021
				• Phosphorus ◦ Source Unknown	1.2 Miles	2002	5A	2019
				• Turbidity ◦ Source Unknown	1.2 Miles	2002	5A	2019
9	Rainbow Creek	River & Stream	90222000 / 18070302	• Aluminum ◦ Source Unknown	5 Miles	2014	5A	2025
				• Iron ◦ Source Unknown	5 Miles	2006	5A	2019

				• Nitrogen
				  ◦ Agricultural Return Flows
				  ◦ Nonpoint Source
				  ◦ Nurseries
				  ◦ Onsite Wastewater Systems (Septic Tanks)
				  ◦ Other Urban Runoff
				  ◦ Point Source
					5 Miles	2002	5B	2006

				• Phosphorus
				  ◦ Unknown Nonpoint Source
				  ◦ Unknown Point Source
				  ◦ Urban Runoff/Storm Sewers
					5 Miles	2002	5B	2006

				• Sulfates ◦ Source Unknown	5 Miles	2006	5A	2019
				• Total Dissolved Solids ◦ Source Unknown	5 Miles	2006	5A	2019
9	Redhawk Channel	River & Stream	90251000 / 18070302	• Chlorpyrifos ◦ Source Unknown	0.15 Miles	2010	5A	2021
				• Copper ◦ Source Unknown	0.15 Miles	2010	5A	2021
				• Diazinon ◦ Source Unknown	0.15 Miles	2010	5A	2021
				• Iron ◦ Natural Sources	0.15 Miles	2010	5A	2019

				Source Unknown				
				• Manganese ◦ Source Unknown	0.15 Miles	2010	5A	2021
				• Nitrogen ◦ Source Unknown	0.15 Miles	2010	5A	2021
				• Phosphorus ◦ Source Unknown	0.15 Miles	2010	5A	2021
				• Total Dissolved Solids ◦ Source Unknown	0.15 Miles	2010	5A	2021
9	Reidy Canyon Creek	River & Stream	90462000 / 18070303	• Phosphorus ◦ Source Unknown	3.9 Miles	2006	5A	2019

9	Rose Creek	River & Stream	90640000 / 18070304	• Benthic Community Effects
				  ◦ Hydromodification
				  ◦ Illicit Connections/Illegal Hook-ups/Dry Weather Flows
				  ◦ Source Unknown
				  ◦ Unknown Nonpoint Source
				  ◦ Unknown Point Source
				  ◦ Urban Runoff/Storm Sewers
					13 Miles	2010	5A	2025

				• Selenium
				  ◦ Natural Sources
				  ◦ Source Unknown
					13 Miles	2010	5A	2021

				• Toxicity ◦ Source Unknown *Toxicity is linked to Selenium exceedances.*	13 Miles	2010	5A	2021

9	San Diego Bay	Bay & Harbor	91010000 / 18070304	• PCBs (Polychlorinated biphenyls)
				  ◦ Contaminated Sediments
				  ◦ Dredging
				  ◦ Historic Land Management Activities
				  ◦ Illegal dumping
				  ◦ Source Unknown
				  ◦ Spills
				  ◦ Urban Runoff/Storm Sewers
					10783 Acres	2006	5A	2019

9	San Diego Bay Shoreline, 32nd St San Diego Naval Station	Bay & Harbor	90822000 / 18070304	• Benthic Community Effects ◦ Source Unknown	103 Acres	1998	5A	2019
				• Sediment Toxicity ◦ Source Unknown	103 Acres	1998	5A	2019
9	San Diego Bay Shoreline,	Coastal & Bay Shoreline	90912000 / 18070304	• Copper ◦ Source Unknown	0.41 Miles	2006	5A	2019

	Chula Vista Marina							
9	San Diego Bay Shoreline, Downtown Anchorage	Bay & Harbor	90821000 / 18070304	• Benthic Community Effects ◦ Source Unknown	7.4 Acres	1998	5A	2019
				• Sediment Toxicity ◦ Source Unknown	7.4 Acres	1998	5A	2019
9	San Diego Bay Shoreline, G Street Pier	Coastal & Bay Shoreline	90821000 / 18070304	• Indicator Bacteria ◦ Source Unknown *The indicator bacteria listed include total coliform for SHELL.*	0.42 Miles	2002	5A	2025
9	San Diego Bay Shoreline, North of 24th Street Marine Terminal	Bay & Harbor	90832000 / 18070304	• Benthic Community Effects ◦ Source Unknown	9.5 Acres	2002	5A	2019
				• Sediment Toxicity ◦ Source Unknown	9.5 Acres	2002	5A	2019
9	San Diego Bay Shoreline, Seventh Street Channel	Bay & Harbor	90831000 / 18070304	• Benthic Community Effects ◦ Source Unknown	9 Acres	2002	5A	2008
				• Sediment Toxicity ◦ Source Unknown	9 Acres	2002	5A	2008
9	San Diego Bay Shoreline, Tidelands Park	Coastal & Bay Shoreline	91010000 / 18070304	• Indicator Bacteria ◦ Source Unknown *The listed indicator bacteria include enterococcus for REC-1 and total coliform for SHELL.*	0.38 Miles	1800	5A	2021
9	San Diego Bay Shoreline, Vicinity of B St and Broadway Piers	Bay & Harbor	90821000 / 18070304	• Benthic Community Effects ◦ Source Unknown	9.9 Acres	2002	5A	2019
				• Indicator Bacteria ◦ Source Unknown	9.9 Acres	2010	5A	2019
				• Sediment Toxicity				

				◦ Source Unknown	9.9 Acres	2002	5A	2019
9	San Diego Bay Shoreline, at Americas Cup Harbor	Bay & Harbor	90810000 / 18070304	• Copper ◦ Source Unknown	88 Acres	1992	5A	2019
9	San Diego Bay Shoreline, at Coronado Cays	Bay & Harbor	91010000 / 18070304	• Copper ◦ Source Unknown	47 Acres	1992	5A	2019
9	San Diego Bay Shoreline, at Glorietta Bay	Bay & Harbor	91010000 / 18070304	• Copper ◦ Source Unknown	52 Acres	1992	5A	2019
9	San Diego Bay Shoreline, at Harbor Island (East Basin)	Bay & Harbor	90821000 / 18070304	• Copper ◦ Source Unknown	73 Acres	1992	5A	2019
9	San Diego Bay Shoreline, at Harbor Island (West Basin)	Bay & Harbor	90810000 / 18070304	• Copper ◦ Source Unknown	132 Acres	1992	5A	2019
9	San Diego Bay Shoreline, at Marriott Marina	Bay & Harbor	90821000 / 18070304	• Copper ◦ Source Unknown	24 Acres	1992	5A	2019
9	San Diego Bay Shoreline, near Chollas Creek	Bay & Harbor	90822000 / 18070304	• Benthic Community Effects ◦ Source Unknown ◦ Unknown Nonpoint Source ◦ Unknown Point Source	15 Acres	2002	5A	2010
				• Sediment Toxicity ◦ Source Unknown ◦ Unknown Nonpoint Source ◦ Unknown Point Source	15 Acres	2002	5A	2010
9	San Diego Bay Shoreline, near	Bay & Harbor	90822000 / 18070304	• Benthic Community Effects ◦ Source Unknown	37 Acres	2002	5A	2019

	Coronado Bridge			• Sediment Toxicity ◦ Source Unknown	37 Acres	2002	5A	2019
				Includes Crosby Street/Cesar Chavez Park area, that will receive additional monitoring.				
9	San Diego Bay Shoreline, near Switzer Creek	Bay & Harbor	90821000 / 18070304	• Chlordane ◦ Source Unknown	5.5 Acres	2002	5A	2019
				• PAHs (Polycyclic Aromatic Hydrocarbons) ◦ Source Unknown	5.5 Acres	2002	5A	2019
9	San Diego Bay Shoreline, near sub base	Bay & Harbor	90810000 / 18070304	• Benthic Community Effects ◦ Source Unknown	16 Acres	2002	5A	2021
				There is not an expected TMDL completion date because the TMDL is for the waterbody and pollutant and the TMDL can not be completed for benthic community effects alone.				
				• Toxicity ◦ Source Unknown	16 Acres	2002	5A	2021
9	San Diego River (Lower)	River & Stream	90711000 / 18070304	• Manganese ◦ Source Unknown	16 Miles	2010	5A	2021
				• Nitrogen ◦ Source Unknown	16 Miles	2010	5A	2029
				• Phosphorus ◦ Source Unknown	16 Miles	2002	5A	2019
				Impairment transcends adjacent Calwater watershed 90712.				
				• Total Dissolved Solids ◦ Source Unknown	16 Miles	2002	5A	2019
				Impairment transcends adjacent Calwater watershed 90712.				
				• Toxicity ◦ Source Unknown	16 Miles	2010	5A	2025
				Up to this time of assessment, sediment toxicity has been observed mostly in samples from the San Diego River Estuary. In the next cycle of assessment, San Diego River Estuary will be separated from the lower portion (i.e., freshwater) portion of San Diego River (lower).				
9	San Diego River (Upper)	River & Stream	90731000 / 18070304	• Sulfates ◦ Source Unknown	32 Miles	2010	5A	2025
9	San Dieguito	River & Stream	90511000 / 18070304	• Benthic Community Effects ◦ Agriculture	19 Miles	2010	5A	2025

	River			◦ Hydromodification ◦ Illicit Connections/Illegal Hook-ups/Dry Weather Flows ◦ Source Unknown ◦ Unknown Nonpoint Source ◦ Unknown Point Source ◦ Urban Runoff/Storm Sewers				
				• Nitrogen ◦ Source Unknown	19 Miles	2010	5A	2021
				• Phosphorus ◦ Source Unknown	19 Miles	2010	5A	2021
				• Total Dissolved Solids ◦ Source Unknown	19 Miles	2010	5A	2021
				• Toxicity ◦ Source Unknown	19 Miles	2010	5A	2021
9	San Elijo Lagoon	Estuary	90461000 / 18070303	• Eutrophic ◦ Source Unknown *Estimated size of impairment is 330 acres.*	566 Acres	1996	5A	2019
				• Indicator Bacteria ◦ Source Unknown *Estimated size of impairment is 150 acres. The listed indicator bacteria are from place holder decision.*	566 Acres	1996	5A	2015
				• Sedimentation/Siltation ◦ Source Unknown *Estimated size of impairment is 150 acres.*	566 Acres	1996	5A	2019
9	San Juan Creek	River & Stream	90120000 / 18070301	• Benthic Community Effects ◦ Agriculture ◦ Contaminated Sediments ◦ Hydromodification ◦ Illicit Connections/Illegal Hook-ups/Dry Weather Flows ◦ Removal of Riparian Vegetation ◦ Source Unknown ◦ Unknown Nonpoint Source ◦ Unknown Point Source ◦ Urban Runoff/Storm Sewers	1 Miles	2010	5A	2025
				• DDE (Dichlorodiphenyldichloroethylene) ◦ Source Unknown	1 Miles	2006	5A	2019
				• Indicator Bacteria ◦ Source Unknown	1 Miles	1992	5A	2019
				• Phosphorus ◦ Source Unknown	1 Miles	2014	5A	2021
				• Selenium ◦ Source Unknown	1 Miles	2010	5A	2021
				• Toxicity ◦ Source Unknown	1 Miles	2010	5A	2021

9	San Juan Creek (mouth)	Estuary	90120000 / 18070301	• Indicator Bacteria ◦ Source Unknown	6.3 Acres	1990	5B	2011
9	San Luis Rey River, Lower (west of Interstate 15)	River & Stream	90311000 / 18070303	• Benthic Community Effects ◦ Source Unknown	19 Miles	2010	5A	2025

				• Chloride
				  ◦ Source Unknown
				  Impairment located at lower 13 miles.
					19 Miles	2002	5A	2019

				• Phosphorus ◦ Source Unknown	19 Miles	2010	5A	2021
				• Total Dissolved Solids ◦ Source Unknown	19 Miles	2002	5A	2019
				• Toxicity ◦ Source Unknown	19 Miles	2010	5A	2021
9	San Luis Rey River, Upper (east of Interstate 15)	River & Stream	90312000 / 18070303	• Phosphorus ◦ Source Unknown	35 Miles	2010	5A	2023
				• Total Nitrogen as N ◦ Source Unknown	35 Miles	2010	5A	2021
9	San Marcos Creek	River & Stream	90451000 / 18070303	• Benthic Community Effects ◦ Source Unknown	19 Miles	2010	5A	2025
				• DDE (Dichlorodiphenyldichloroethylene) ◦ Source Unknown	19 Miles	2006	5A	2019

				• Phosphorus
				  ◦ Source Unknown
				  ◦ Unknown Nonpoint Source
				  ◦ Unknown Point Source
				  ◦ Urban Runoff/Storm Sewers
					19 Miles	2006	5A	2019

				• Selenium ◦ Source Unknown	19 Miles	2010	5A	2021
9	San Marcos Lake	Lake & Reservoir	90452000 / 18070303	• Ammonia as Nitrogen ◦ Source Unknown	17 Acres	2006	5A	2019
				• Nutrients ◦ Source Unknown	17 Acres	2006	5A	2019
				• Phosphorus ◦ Source Unknown	17 Acres	2006	5A	2019

9	San Vicente Creek (San Diego County)	River & Stream	90722000 / 18070304	• Ammonia as Nitrogen ◦ Source Unknown	16 Miles	2010	5A	2021
				• Phosphorus ◦ Source Unknown	16 Miles	2010	5A	2023
				• Total Nitrogen as N ◦ Source Unknown	16 Miles	2010	5A	2021
				• Toxicity ◦ Source Unknown	16 Miles	2010	5A	2021
9	San Vicente Reservoir	Lake & Reservoir	90721000 / 18070304	• Chloride ◦ Source Unknown ◦ Unknown Nonpoint Source ◦ Water Diversions	1058 Acres	2006	5A	2019
				• Sulfates ◦ Source Unknown	1058 Acres	2006	5A	2019
9	Sandia Creek	River & Stream	90222000 / 18070302	• Iron ◦ Source Unknown	1.5 Miles	2006	5A	2025
				• Manganese ◦ Source Unknown	1.5 Miles	2006	5A	2025
				• Nitrogen ◦ Source Unknown	1.5 Miles	2006	5A	2029
				• Selenium ◦ Source Unknown	1.5 Miles	2014	5A	2027
				• Silver ◦ Source Unknown	1.5 Miles	2014	5A	2027
				• Sulfates ◦ Source Unknown ◦ Unknown Nonpoint Source ◦ Unknown Point Source ◦ Urban Runoff/Storm Sewers	1.5 Miles	2006	5A	2019
				• Total Dissolved Solids ◦ Source Unknown	1.5 Miles	2002	5A	2019
9	Santa Gertrudis Creek	River & Stream	90242000 / 18070302	• Chlorpyrifos ◦ Source Unknown	12 Miles	2010	5A	2021
				• Copper ◦ Source Unknown	12 Miles	2010	5A	2021
				• Iron ◦ Source Unknown	12 Miles	2010	5A	2021
				• Manganese ◦ Source Unknown	12 Miles	2010	5A	2021
				• Phosphorus ◦ Source Unknown	12 Miles	2010	5A	2021

9	Santa Margarita River (Lower)	River & Stream	90211000 / 18070302	• Phosphorus ◦ Source Unknown	19 Miles	2010	5A	2021
				• Toxicity ◦ Source Unknown	19 Miles	2010	5A	2025
9	Santa Margarita River (Upper)	River & Stream	90222000 / 18070302	• Manganese ◦ Source Unknown	18 Miles	2010	5A	2025
				• Phosphorus ◦ Source Unknown	18 Miles	2002	5A	2019
				• Toxicity ◦ Source Unknown	18 Miles	2010	5A	2025
9	Santa Ysabel Creek (above Sutherland Reservoir)	River & Stream	90553000 / 18070304	• Toxicity ◦ Source Unknown	12 Miles	2010	5A	2021
9	Segunda Deshecha Creek	River & Stream	90130000 / 18070301	• Phosphorus ◦ Source Unknown	0.92 Miles	2002	5A	2019
				• Toxicity ◦ Source Unknown	0.92 Miles	2010	5A	2021
				• Turbidity ◦ Source Unknown	0.92 Miles	2002	5A	2019
9	Soledad Canyon	River & Stream	90610000 / 18070304	• Sediment Toxicity ◦ Source Unknown	1.7 Miles	2002	5A	2019

				• Selenium
				  ◦ Source Unknown
				  ◦ Unknown Nonpoint Source
				  ◦ Urban Runoff/Storm Sewers
					1.7 Miles	2010	5A	2021

9	Sutherland Reservoir	Lake & Reservoir	90553000 / 18070304	• Color ◦ Source Unknown	561 Acres	2002	5A	2019
				• Iron ◦ Source Unknown	561 Acres	2014	5A	2021
				• Manganese ◦ Source Unknown	561 Acres	2006	5A	2019
				• Phosphorus ◦ Source Unknown	561 Acres	2010	5A	2023
				• pH	561 Acres	2006	5A	2019

				Source Unknown				
9	Sweetwater Reservoir	Lake & Reservoir	90921000 / 18070304	• Oxygen, Dissolved ○ Source Unknown	925 Acres	2006	5A	2019
9	Sweetwater River, Lower (below Sweetwater Reservoir)	River & Stream	90912000 / 18070304	• Phosphorus ○ Source Unknown	5.3 Miles	2010	5A	2021
				• Selenium ○ Source Unknown	5.3 Miles	2010	5A	2021
				• Total Dissolved Solids ○ Source Unknown	5.3 Miles	2010	5A	2021
				• Toxicity ○ Source Unknown	5.3 Miles	2010	5A	2021
9	Sweetwater River, Upper (above Sweetwater Reservoir)	River & Stream	90921000 / 18070304	• Selenium ○ Source Unknown	43 Miles	2010	5A	2027
				• Total Nitrogen as N ○ Source Unknown	43 Miles	2010	5A	2027
				The listing decision is based on data collected about 10 years old. In future cycles of evaluation, more recent data will be solicited and combined with the existing data to re-evaluate the water body condition as appropriate.				
9	Switzer Creek	River & Stream	90822000 / 18070304	• Copper ○ Source Unknown	1.3 Miles	2010	5A	2021
				• Lead ○ Source Unknown	1.3 Miles	2010	5A	2021
				• Zinc ○ Source Unknown	1.3 Miles	2010	5A	2021
9	Tecate Creek	River & Stream	91123000 / 18070305	• Nitrogen ○ Source Unknown	1.2 Miles	2010	5A	2027
				The listing decision is based on data collected about 10 years old. In future cycles of evaluation, more recent data will be solicited and combined with the existing data to re-evaluate the water body condition as appropriate.				
				• Phosphorus ○ Source Unknown	1.2 Miles	2010	5A	2023
				• Selenium ○ Source Unknown	1.2 Miles	2010	5A	2021
9	Tecolote Creek	River & Stream	90650000 / 18070304	• Benthic Community Effects ○ Hydromodification ○ Illicit Connections/Illegal Hook-	6.6 Miles	2010	5A	2025

				ups/Dry Weather Flows ○ Source Unknown ○ Unknown Point Source ○ Urban Runoff/Storm Sewers				
				• Cadmium ○ Source Unknown	6.6 Miles	1996	5A	2019
				• Copper ○ Source Unknown	6.6 Miles	1996	5A	2019
				• Indicator Bacteria ○ Source Unknown	6.6 Miles	1996	5B	2011
				• Lead ○ Source Unknown	6.6 Miles	1996	5A	2019
				• Nitrogen ○ Source Unknown	6.6 Miles	2010	5A	2021
				• Phosphorus ○ Source Unknown	6.6 Miles	2006	5A	2019
				• Selenium ○ Natural Sources ○ Source Unknown	6.6 Miles	2010	5A	2021
				• Toxicity ○ Source Unknown	6.6 Miles	1996	5A	2019
				• Turbidity ○ Source Unknown	6.6 Miles	2006	5A	2019
				• Zinc ○ Source Unknown	6.6 Miles	1996	5A	2019
9	Telegraph Canyon Creek	River & Stream	90911000 / 18070304	• Nitrogen ○ Source Unknown	10 Miles	2010	5A	2027
				The decision of listing is based on data about 10 years old. In future cycles, more recent data will be solicited and evaluated together with existing data for water body condition.				
				• Selenium ○ Source Unknown	10 Miles	2010	5A	2021
9	Temecula Creek	River & Stream	90251000 / 18070302	• Chlorpyrifos ○ Source Unknown	44 Miles	2010	5A	2021
				• Copper ○ Source Unknown ○ Urban Runoff/Storm Sewers	44 Miles	2010	5A	2021
				• Phosphorus ○ Source Unknown	44 Miles	2006	5A	2019
				• Total Dissolved Solids ○ Source Unknown	44 Miles	2006	5A	2019
				• Toxicity ○ Source Unknown	44 Miles	2010	5A	2021

9	Tijuana River	River & Stream	91111000 / 18070305	• Ammonia as Nitrogen ◦ Source Unknown	6 Miles	2010	5Alt	2027
				• Benthic Community Effects ◦ Source Unknown	6 Miles	2010	5Alt	2025
				• Eutrophic ◦ Source Unknown	6 Miles	1996	5Alt	2019
				• Indicator Bacteria ◦ Source Unknown *The indicator bacteria listed include E. Coli. and total coliform.*	6 Miles	1992	5Alt	2010
				• Low Dissolved Oxygen ◦ Source Unknown	6 Miles	1996	5Alt	2019
				• Pesticides ◦ Source Unknown	6 Miles	1996	5Alt	2019
				• Phosphorus ◦ Source Unknown	6 Miles	2010	5Alt	2021
				• Sedimentation/Siltation ◦ Source Unknown	6 Miles	2010	5Alt	2021
				• Selenium ◦ Source Unknown	6 Miles	2010	5Alt	2025
				• Solids ◦ Source Unknown	6 Miles	1996	5Alt	2019
				• Surfactants (MBAS) ◦ Source Unknown	6 Miles	2010	5Alt	2021
				• Synthetic Organics ◦ Source Unknown	6 Miles	1996	5Alt	2019
				• Total Nitrogen as N ◦ Natural Sources ◦ Source Unknown ◦ Unknown Nonpoint Source ◦ Urban Runoff/Storm Sewers	6 Miles	2010	5Alt	2025
				• Toxicity ◦ Source Unknown	6 Miles	2010	5Alt	2025
				• Trace Elements ◦ Source Unknown	6 Miles	1998	5Alt	2019
				• Trash ◦ Source Unknown	6 Miles	1998	4B	2019
9	Tijuana River Estuary	Estuary	91111000 / 18070305	• Eutrophic ◦ Source Unknown *Estimated size of impairment is 1 acre.*	1319 Acres	1996	5Alt	2019
				• Indicator Bacteria ◦ Source Unknown *Estimated size of impairment is 150 acres.*	1319 Acres	1988	5Alt	2010

				• Lead ◦ Source Unknown *Estimated size of impairment is 1 acre.*	1319 Acres	1992	5Alt	2019
				• Low Dissolved Oxygen ◦ Source Unknown	1319 Acres	1988	5Alt	2019
				• Nickel ◦ Source Unknown *Estimated size of impairment is 1 acre.*	1319 Acres	1992	5Alt	2019
				• Pesticides ◦ Source Unknown *Estimated size of impairment is 1 acre.*	1319 Acres	1992	5Alt	2019
				• Thallium ◦ Source Unknown *Estimated size of impairment is 1 acre.*	1319 Acres	1992	5Alt	2019
				• Trash ◦ Source Unknown *Estimated size of impairment is 1 acre.*	1319 Acres	1996	5Alt	2019
				• Turbidity ◦ Source Unknown	1319 Acres	2006	5Alt	2019
9	Warm Springs Creek (Riverside County)	River & Stream	90233000 / 18070302	• Chlorpyrifos ◦ Source Unknown	15 Miles	2010	5A	2021
				• Iron ◦ Source Unknown	15 Miles	2010	5A	2021
				• Manganese ◦ Source Unknown	15 Miles	2010	5A	2021
				• Phosphorus ◦ Source Unknown	15 Miles	2010	5A	2021
9	Wood Canyon (Orange County)	River & Stream	90113000 / 18070301	• Benthic Community Effects ◦ Source Unknown	3.9 Miles	2010	5A	2025

Please also see next page for additional water body segments in Category 5.

9	Felicita Creek (North)	River&Stream	N/A					
			• Trichloroethylene Industry Discharge	0.72 Miles	2016	5A	2027	
			• Tetrachloroethylene Industry Dishcharge	0.72 Miles	2016	5A	2027	
			• 1,4-Dioxane Industry Discharge	0.72 Miles	2016	5A	2027	
9	Famosa Slough and Channel	Estuary	90711000/18070304					
			• Eutrophic Urban runoff	32 Acres	1990	5 Alt	2027	
9	Santa Margarita Lagoon	Estuary	90211000 /18070302					
			• Eutrophic Agriculture-storm runoff 28 Acres 1986 2027	28 Acres	1986	5 Alt	2027	

Due to mapping issues in the database, some waterbody segments (e.g., eastern Agua Hedionda Lagoon) may not show up in this Appendix, please refer to Appendix A [i.e., proposed changes to 303(d) list] for complete waterbody segments that should be in Categories 4 and/or 5.