

PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

SAN FRANCISCO BAY REGIONAL BOARD

SWRCB DRAFT 303(d) LIST RELEASE DATE: SEPTEMBER 15, 2006

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	R	Alameda Creek	20430051	Diazinon <i>This listing was made by USEPA.</i>		51 Miles	2005
Urban Runoff/Storm Sewers							
2	R	Alamitos Creek	20540041	Mercury <i>TMDL will be developed as part of the Santa Clara Basin Watershed Management Initiative. Additional monitoring and assessment is needed.</i>		7.1 Miles	2006
Mine Tailings							
2	L	Anderson Reservoir	20530050	Mercury		1013 Acres	2019
Source Unknown							
				PCBs (Polychlorinated biphenyls)		1013 Acres	2019
Source Unknown							
2	R	Arroyo Corte Madera Del Presidio	20320020	Diazinon <i>This listing was made by USEPA.</i>		4 Miles	2005
Urban Runoff/Storm Sewers							
2	R	Arroyo De La Laguna	20430084	Diazinon <i>This listing was made by USEPA.</i>		7.4 Miles	2005
Urban Runoff/Storm Sewers							
2	R	Arroyo Del Valle	20430023	Diazinon <i>This listing was made by USEPA.</i>		31 Miles	2005
Urban Runoff/Storm Sewers							
2	R	Arroyo Las Positas	20430080	Diazinon		14 Miles	2005
Urban Runoff/Storm Sewers							

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2	R	Arroyo Mocho	20430080	Diazinon		34 Miles	2005
					Urban Runoff/Storm Sewers		
2	L	Bon Tempe Reservoir	20113020	Mercury		120 Acres	2019
					Source Unknown		
2	R	Butano Creek	20240031	Sedimentation/Siltation <i>Impairment to steelhead habitat.</i>		3.6 Miles	2019
					Nonpoint Source		
2	R	Calabazas Creek	20640012	Diazinon <i>This listing was made by USEPA.</i>		4.7 Miles	2005
					Urban Runoff/Storm Sewers		
2	L	Calero Reservoir	20540031	Mercury <i>TMDL will be developed as part of the Santa Clara Basin Watershed Management Initiative. Additional monitoring and assessment is needed.</i>		334 Acres	2006
					Surface Mining Mine Tailings		
2	E	Carquinez Strait	20710020	Chlordane <i>This listing was made by USEPA.</i>		5657 Acres	2008
					Nonpoint Source		
				DDT		5657 Acres	2008
					Nonpoint Source		
				Dieldrin <i>This listing was made by USEPA.</i>		5657 Acres	2008
					Nonpoint Source		

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			Dioxin Compounds (including 2,3,7,8-TCDD)		5657 Acres	2019
			<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>			
			Atmospheric Deposition			
			Exotic Species		5657 Acres	2019
			<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
			Ballast Water			
			Furan Compounds		5657 Acres	2019
			<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
			Atmospheric Deposition			
			Mercury		5657 Acres	2006
			<i>Current data indicate fish consumption and wildlife consumption impacted uses. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
			Industrial Point Sources			
			Municipal Point Sources			
			Resource Extraction			
			Atmospheric Deposition			
			Natural Sources			
			Nonpoint Source			
			PCBs (Polychlorinated biphenyls)		5657 Acres	2006
			<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
			Unknown Nonpoint Source			
			PCBs (Polychlorinated biphenyls) (dioxin-like)		5657 Acres	2019
			<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
			Unknown Nonpoint Source			
			Selenium		5657 Acres	2019
			<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.</i>			
			Industrial Point Sources			
			Agriculture			

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2	E	Castro Cove, Richmond (San Pablo Basin)	20660014	Dieldrin (sediment)	Urban Runoff/Storm Sewers Point Source	71 Acres	2008
				Mercury (sediment)	Urban Runoff/Storm Sewers Point Source	71 Acres	2006
				PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)	Urban Runoff/Storm Sewers Point Source	71 Acres	2019
				Selenium (sediment)	Urban Runoff/Storm Sewers Point Source	71 Acres	2019
2	B	Central Basin, San Francisco (part of SF Bay, Central)	20440010	Chlordane	<i>This listing was made by USEPA.</i> Nonpoint Source	40 Acres	2008
				DDT	<i>This listing was made by USEPA.</i> Nonpoint Source	40 Acres	2008
				Dieldrin	<i>This listing was made by USEPA.</i> Nonpoint Source	40 Acres	2019
				Dioxin Compounds (including 2,3,7,8-TCDD)	<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i> Atmospheric Deposition	40 Acres	2019
				Exotic Species	<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i> Ballast Water	40 Acres	2019
				Furan Compounds	<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i> Atmospheric Deposition	40 Acres	2019

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			Mercury		40 Acres	2006
			<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
				Industrial Point Sources		
				Minor Industrial Point Source		
				Municipal Point Sources		
				Resource Extraction		
				Atmospheric Deposition		
				Natural Sources		
				Nonpoint Source		
			Mercury (sediment)		40 Acres	2006
				Urban Runoff/Storm Sewers		
				Point Source		
			PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)		40 Acres	2019
				Urban Runoff/Storm Sewers		
				Point Source		
			PCBs (Polychlorinated biphenyls)		40 Acres	2006
			<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
				Unknown Nonpoint Source		
			PCBs (Polychlorinated biphenyls) (dioxin-like)		40 Acres	2019
			<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				Unknown Nonpoint Source		
			Selenium		40 Acres	2019
			<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.</i>			
				Industrial Point Sources		
				Agriculture		
				Natural Sources		
				Exotic Species		

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2	R	Corte Madera Creek	20320011	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	4.1 Miles	2005
2	R	Coyote Creek (Marin County)	20320020	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	2.6 Miles	2005
2	R	Coyote Creek (Santa Clara Co.)	20530021	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	55 Miles	2005
2	L	Del Valle Reservoir	20430024	Mercury Source Unknown	PCBs (Polychlorinated biphenyls) Source Unknown	1022 Acres 1022 Acres	2019 2019
2	R	Gallinas Creek	20620013	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	2.1 Miles	2005
2	R	Guadalupe Creek	20540050	Mercury <i>TMDL will be developed as part of the Santa Clara Basin Watershed Management Initiative. Additional monitoring and assessment is needed.</i>	Mine Tailings	8.1 Miles	2006
2	L	Guadalupe Reservoir	20540040	Mercury <i>TMDL will be developed as part of the Santa Clara Basin Watershed Management Initiative. Additional monitoring and assessment is needed.</i>	Surface Mining Mine Tailings	63 Acres	2006

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2	R	Guadalupe River	20540050	Diazinon <i>This listing was made by USEPA.</i>		18 Miles	2005
					Urban Runoff/Storm Sewers		
				Mercury <i>TMDL will be developed as part of the Santa Clara Basin Watershed Management Initiative. Additional monitoring and assessment is needed.</i>		18 Miles	2006
					Mine Tailings		
2	E	Islais Creek	20440010	Ammonia		46 Acres	2019
					Industrial Point Sources Combined Sewer Overflow		
				Chlordane (sediment)		46 Acres	2008
					Industrial Point Sources Combined Sewer Overflow		
				Dieldrin (sediment)		46 Acres	2008
					Industrial Point Sources Combined Sewer Overflow		
				Hydrogen Sulfide		46 Acres	2019
					Industrial Point Sources Combined Sewer Overflow		
				PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)		46 Acres	2019
					Industrial Point Sources Combined Sewer Overflow		
				Sediment Toxicity		46 Acres	2019
					Source Unknown		
2	L	Lafayette Reservoir	20732010	Mercury		114 Acres	2019
					Source Unknown		

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				PCBs (Polychlorinated biphenyls)		114 Acres	2019
				Source Unknown			
2	R	Lagunitas Creek	20113020	Nutrients		17 Miles	2019
				<i>Tributary to Tomales Bay. TMDLs will be developed as part of evolving watershed management effort. Additional monitoring and assessment needed.</i>			
				Agriculture			
				Urban Runoff/Storm Sewers			
				Sedimentation/Siltation		17 Miles	2009
				<i>Tributary to Tomales Bay. TMDLs will be developed as part of evolving watershed management effort. Additional monitoring and assessment needed.</i>			
				Agriculture			
				Urban Runoff/Storm Sewers			
2	L	Lake Chabot (Alameda Co)	20420030	Chlordane		312 Acres	2019
				Source Unknown			
				DDT		312 Acres	2019
				Source Unknown			
				Dieldrin		312 Acres	2019
				Source Unknown			
				Mercury		312 Acres	2019
				Source Unknown			
				PCBs (Polychlorinated biphenyls)		312 Acres	2019
				Source Unknown			
2	L	Lake Herman	20721030	Mercury		108 Acres	2019
				<i>Additional monitoring and assessment needed. Problem due to historical mining.</i>			
				Surface Mining			

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2	L	Lake Merced	20210010	Low Dissolved Oxygen <i>This listing was made by USEPA.</i>	Source Unknown	299 Acres	2019
				pH <i>This listing was made by USEPA.</i>	Source Unknown	299 Acres	2019
2	L	Lake Merritt	20420040	Organic Enrichment/Low Dissolved Oxygen <i>This listing was made by USEPA.</i>	Source Unknown	142 Acres	2019
				Trash	Urban Runoff/Storm Sewers	142 Acres	2019
2	R	Laurel Creek (Solano Co)	20440040	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	3 Miles	2005
2	R	Ledgewood Creek	20723010	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	12 Miles	2005
2	R	Los Gatos Creek (R2)	20540011	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	19 Miles	2005
2	E	Marina Lagoon (San Mateo County)	20440040	Coliform Bacteria	Urban Runoff/Storm Sewers Nonpoint Source	169 Acres	2019
2	R	Matadero Creek	20550040	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	7.3 Miles	2005

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2	R	Miller Creek	20620012	Diazinon		9 Miles	2005
				<i>This listing was made by USEPA.</i>			
				Urban Runoff/Storm Sewers			
2	E	Mission Creek	20440010	Ammonia	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2019
				Chlordane (sediment)	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2008
				Dieldrin (sediment)	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2008
				Hydrogen Sulfide	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2019
				Lead (sediment)	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2019
				Mercury (sediment)	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2019
				PAHs (Polycyclic Aromatic Hydrocarbons)	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2019
				PCBs (Polychlorinated biphenyls) (sediment)	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2006
				Silver (sediment)	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2019

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				Zinc (sediment)		8.5 Acres	2019
					Industrial Point Sources Combined Sewer Overflow		
2	R	Mt. Diablo Creek	20731040	Diazinon		13 Miles	2005
				<i>This listing was made by USEPA.</i>			
					Urban Runoff/Storm Sewers		
2	R	Napa River	20650010	Nutrients		65 Miles	2008
				<i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>			
					Agriculture		
				Pathogens		65 Miles	2006
				<i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>			
					Agriculture		
					Urban Runoff/Storm Sewers		
				Sedimentation/Siltation		65 Miles	2006
				<i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>			
					Agriculture		
					Construction/Land Development		
					Land Development		
					Urban Runoff/Storm Sewers		
2	L	Nicasio Reservoir	20113012	Mercury		829 Acres	2019
					Source Unknown		
2	R	Novato Creek	20620010	Diazinon		17 Miles	2005
				<i>This listing was made by USEPA.</i>			
					Urban Runoff/Storm Sewers		

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2	B	Oakland Inner Harbor (Fruitvale Site, part of SF Bay, Central)	20420040	Chlordane <i>This listing was made by USEPA.</i>	Nonpoint Source	0.93 Acres	2008
				Chlordane (sediment) Source Unknown		0.93 Acres	2008
				DDT <i>This listing was made by USEPA.</i>	Nonpoint Source	0.93 Acres	2008
				Dieldrin <i>This listing was made by USEPA.</i>	Nonpoint Source	0.93 Acres	2008
				Dioxin Compounds (including 2,3,7,8-TCDD) <i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>	0.93 Acres	2019	
				Exotic Species <i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>	Atmospheric Deposition	0.93 Acres	2019
				Furan Compounds <i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>	Atmospheric Deposition	0.93 Acres	2019
				Mercury <i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>	Industrial Point Sources Municipal Point Sources Resource Extraction Atmospheric Deposition Natural Sources Nonpoint Source	0.93 Acres	2006

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				PCBs (Polychlorinated biphenyls)		0.93 Acres	2006
				<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
				Unknown Nonpoint Source			
				PCBs (Polychlorinated biphenyls) (dioxin-like)		0.93 Acres	2019
				<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				Unknown Nonpoint Source			
				PCBs (Polychlorinated biphenyls) (sediment)		0.93 Acres	2006
				<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
				Source Unknown			
				Sediment Toxicity		0.93 Acres	2019
				Source Unknown			
				Selenium		0.93 Acres	2019
				<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.</i>			
				Industrial Point Sources			
				Agriculture			
				Natural Sources			
				Exotic Species			
2	B	Oakland Inner Harbor (Pacific Dry-dock Yard 1 Site, part of SF Bay, Central)	20420040				
				Chlordane		1.8 Acres	2008
				<i>This listing was made by USEPA.</i>			
				Nonpoint Source			
				Chlordane (sediment)		1.8 Acres	2008
				Source Unknown			
				Copper (sediment)		1.8 Acres	2019
				Source Unknown			
				DDT		1.8 Acres	2008
				<i>This listing was made by USEPA.</i>			
				Nonpoint Source			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Dieldrin		1.8 Acres	2008
				<i>This listing was made by USEPA.</i>			
				Nonpoint Source			
				Dieldrin (sediment)		1.8 Acres	2008
				Source Unknown			
				Dioxin Compounds (including 2,3,7,8-TCDD)		1.8 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>			
				Atmospheric Deposition			
				Exotic Species		1.8 Acres	2019
				<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
				Ballast Water			
				Furan Compounds		1.8 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
				Atmospheric Deposition			
				Lead (sediment)		1.8 Acres	2019
				Source Unknown			
				Mercury		1.8 Acres	2006
				<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
				Industrial Point Sources			
				Municipal Point Sources			
				Resource Extraction			
				Atmospheric Deposition			
				Natural Sources			
				Nonpoint Source			
				Mercury (sediment)		1.8 Acres	2006
				Source Unknown			
				PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)		1.8 Acres	2019
				Source Unknown			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				PCBs (Polychlorinated biphenyls)		1.8 Acres	2006
				<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
				Unknown Nonpoint Source			
				PCBs (Polychlorinated biphenyls) (dioxin-like)		1.8 Acres	2019
				<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				Unknown Nonpoint Source			
				PCBs (Polychlorinated biphenyls) (sediment)		1.8 Acres	2006
				Source Unknown			
				Selenium		1.8 Acres	2019
				<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.</i>			
				Industrial Point Sources			
				Agriculture			
				Natural Sources			
				Exotic Species			
				Zinc (sediment)		1.8 Acres	2019
				Source Unknown			
2	C	Pacific Ocean at Fitzgerald Marine Reserve	20221012	Coliform Bacteria		0.46 Miles	2019
				Nonpoint Source			
2	C	Pacific Ocean at Pacifica State Beach	20221011	Coliform Bacteria		0.87 Miles	2019
				<i>Linda Mar and San Pedro beaches are the areas affected.</i>			
				Urban Runoff/Storm Sewers			
				Nonpoint Source			
2	C	Pacific Ocean at Pillar Point	20221012	Mercury		0.62 Miles	2019
				Source Unknown			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	C	Pacific Ocean at Pillar Point Beach	20221012	Coliform Bacteria		1.1 Miles	2019
					Nonpoint Source		
2	C	Pacific Ocean at Rockaway Beach	20221011	Coliform Bacteria		0.29 Miles	2019
					Urban Runoff/Storm Sewers Nonpoint Source		
2	C	Pacific Ocean at Venice Beach	20222011	Coliform Bacteria		0.38 Miles	2019
					Nonpoint Source		
2	R	Permanente Creek	20550021	Diazinon <i>This listing was made by USEPA.</i>		13 Miles	2005
					Urban Runoff/Storm Sewers		
2	R	Pescadero Creek	20240013	Sedimentation/Siltation <i>Impairment to steelhead habitat.</i>		26 Miles	2019
					Nonpoint Source		
2	R	Petaluma River	20630020	Diazinon <i>Data source: Abelli-Amen, Petaluma Tree Planters, 1999.</i>		22 Miles	2005
					Urban Runoff/Storm Sewers		
				Nutrients <i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>		22 Miles	2019
					Agriculture Construction/Land Development Urban Runoff/Storm Sewers		
				Pathogens <i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>		22 Miles	2019
					Agriculture Construction/Land Development Urban Runoff/Storm Sewers		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Sedimentation/Siltation		22 Miles	2019
					Agriculture Construction/Land Development Urban Runoff/Storm Sewers		
2	R	Petaluma River (tidal portion)	20630040	Diazinon <i>Data source: Abelli-Amen, Petaluma Tree Planters, 1999.</i>		1.1 Miles	2005
					Urban Runoff/Storm Sewers		
				Nickel <i>Exceedance of California Toxic Rule dissolved criteria and National Toxic Rule total criteria; elevated water and sediment tissue levels.</i>		1.1 Miles	2019
					Municipal Point Sources Urban Runoff/Storm Sewers Atmospheric Deposition		
				Nutrients <i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>		1.1 Miles	2019
					Agriculture Construction/Land Development Urban Runoff/Storm Sewers		
				Pathogens <i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>		1.1 Miles	2019
					Agriculture Construction/Land Development Urban Runoff/Storm Sewers		
2	R	Pine Creek (Contra Costa Co)	20731011	Diazinon <i>This listing was made by USEPA.</i>		13 Miles	2005
					Urban Runoff/Storm Sewers		
2	R	Pinole Creek	20660020	Diazinon <i>This listing was made by USEPA.</i>		9.2 Miles	2005
					Urban Runoff/Storm Sewers		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	R	Pomponio Creek	20240020	Coliform Bacteria		7.1 Miles	2019
Nonpoint Source							
2	B	Richardson Bay	20312010	Chlordane		2439 Acres	2008
<i>This listing was made by USEPA.</i>							
Nonpoint Source							
Coliform Bacteria							
<i>Affected area, Waldo Point Harbor, is less than 10% of embayment; source has been positively identified as substandard sewage systems in some houseboat areas; extensive local control program in place with significant water quality improvements.</i>							
Urban Runoff/Storm Sewers							
Septage Disposal							
Boat Discharges/Vessel Wastes							
DDT							
<i>This listing was made by USEPA.</i>							
Nonpoint Source							
Dieldrin							
<i>This listing was made by USEPA.</i>							
Unknown Nonpoint Source							
Dioxin Compounds (including 2,3,7,8-TCDD)							
<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>							
Atmospheric Deposition							
Exotic Species							
<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>							
Ballast Water							
Furan Compounds							
<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>							
Atmospheric Deposition							

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Mercury		2439 Acres	2006
				<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
				Municipal Point Sources Resource Extraction Atmospheric Deposition Natural Sources Nonpoint Source			
				PCBs (Polychlorinated biphenyls)		2439 Acres	2006
				<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
				Unknown Nonpoint Source			
				PCBs (Polychlorinated biphenyls) (dioxin-like)		2439 Acres	2019
				<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				Unknown Nonpoint Source			
2	R	Rodeo Creek	20660022	Diazinon		8 Miles	2005
				<i>This listing was made by USEPA.</i>			
				Urban Runoff/Storm Sewers			
2	E	Sacramento San Joaquin Delta	20710010	Chlordane		41736 Acres	2008
				<i>This listing was made by USEPA.</i>			
				Nonpoint Source			
				DDT		41736 Acres	2008
				<i>This listing was made by USEPA.</i>			
				Nonpoint Source			
				Dieldrin		41736 Acres	2008
				<i>This listing was made by USEPA.</i>			
				Nonpoint Source			
				Dioxin Compounds (including 2,3,7,8-TCDD)		41736 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>			
				Atmospheric Deposition			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Exotic Species		41736 Acres	2019
				<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
				Ballast Water			
				Furan Compounds		41736 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6, 7,8,-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
				Atmospheric Deposition			
				Mercury		41736 Acres	2006
				<i>Current data indicate fish consumption and wildlife consumption impacted uses. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
				Industrial Point Sources			
				Municipal Point Sources			
				Resource Extraction			
				Atmospheric Deposition			
				Nonpoint Source			
				Nickel		41736 Acres	2019
				<i>This listing was made by USEPA.</i>			
				Source Unknown			
				PCBs (Polychlorinated biphenyls)		41736 Acres	2006
				<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
				Unknown Nonpoint Source			
				PCBs (Polychlorinated biphenyls) (dioxin-like)		41736 Acres	2019
				<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				Unknown Nonpoint Source			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Selenium		41736 Acres	2019
				<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place. Another source is exotic species.</i>			
					Industrial Point Sources		
					Agriculture		
					Natural Sources		
					Exotic Species		
2	R	San Antonio Creek (Marin/Sonoma Co)	20630031	Diazinon		18 Miles	2005
				<i>This listing was made by USEPA.</i>			
					Urban Runoff/Storm Sewers		
2	R	San Felipe Creek	20530041	Diazinon		15 Miles	2005
				<i>This listing was made by USEPA.</i>			
					Urban Runoff/Storm Sewers		
2	B	San Francisco Bay, Central	20312010	Chlordane		70992 Acres	2008
				<i>This listing was made by USEPA.</i>			
					Nonpoint Source		
				DDT		70992 Acres	2008
				<i>This listing was made by USEPA.</i>			
					Nonpoint Source		
				Dieldrin		70992 Acres	2008
				<i>This listing was made by USEPA.</i>			
					Nonpoint Source		
				Dioxin Compounds (including 2,3,7,8-TCDD)		70992 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>			
					Atmospheric Deposition		
				Exotic Species		70992 Acres	2019
				<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
					Ballast Water		

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				Furan Compounds		70992 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
				Atmospheric Deposition			
				Mercury		70992 Acres	2006
				<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
				Industrial Point Sources			
				Municipal Point Sources			
				Resource Extraction			
				Atmospheric Deposition			
				Natural Sources			
				Nonpoint Source			
				PCBs (Polychlorinated biphenyls)		70992 Acres	2006
				<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
				Unknown Nonpoint Source			
				PCBs (Polychlorinated biphenyls) (dioxin-like)		70992 Acres	2019
				<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				Unknown Nonpoint Source			
				Selenium		70992 Acres	2019
				<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.</i>			
				Industrial Point Sources			
				Agriculture			
				Natural Sources			
				Exotic Species			
2	B	San Francisco Bay, Lower	20410010	Chlordane		92274 Acres	2008
				<i>This listing was made by USEPA.</i>			
				Nonpoint Source			

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				DDT		92274 Acres	2008
				<i>This listing was made by USEPA.</i>			
				Nonpoint Source			
				Dieldrin		92274 Acres	2008
				<i>This listing was made by USEPA.</i>			
				Nonpoint Source			
				Dioxin Compounds (including 2,3,7,8-TCDD)		92274 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>			
				Atmospheric Deposition			
				Exotic Species		92274 Acres	2019
				<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
				Ballast Water			
				Furan Compounds		92274 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
				Atmospheric Deposition			
				Mercury		92274 Acres	2006
				<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources: water quality objective exceedances. Elevated sediment levels and elevated tissue levels.</i>			
				Industrial Point Sources			
				Municipal Point Sources			
				Resource Extraction			
				Atmospheric Deposition			
				Natural Sources			
				Nonpoint Source			
				Nickel		92274 Acres	2019
				<i>This listing was made by USEPA.</i>			
				Source Unknown			
				PCBs (Polychlorinated biphenyls)		92274 Acres	2006
				<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
				Unknown Nonpoint Source			

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				PCBs (Polychlorinated biphenyls) (dioxin-like)		92274 Acres	2019
				<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5,-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				Unknown Nonpoint Source			
2	B	San Francisco Bay, South	20510000				
				Chlordane		9204 Acres	2008
				<i>This listing was made by USEPA.</i>			
				Nonpoint Source			
				DDT		9204 Acres	2008
				<i>This listing was made by USEPA.</i>			
				Nonpoint Source			
				Dieldrin		9204 Acres	2008
				<i>This listing was made by USEPA.</i>			
				Nonpoint Source			
				Dioxin Compounds (including 2,3,7,8-TCDD)		9204 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>			
				Atmospheric Deposition			
				Exotic Species		9204 Acres	2019
				<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
				Ballast Water			
				Furan Compounds		9204 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
				Atmospheric Deposition			
				Mercury		9204 Acres	2006
				<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources: water quality objective exceedances. Elevated sediment level and elevated tissue levels.</i>			
				Industrial Point Sources			
				Municipal Point Sources			
				Resource Extraction			
				Atmospheric Deposition			
				Natural Sources			
				Nonpoint Source			

PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

SAN FRANCISCO BAY REGIONAL BOARD

SWRCB DRAFT 303(d) LIST RELEASE DATE: SEPTEMBER 15, 2006

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				PCBs (Polychlorinated biphenyls)		9204 Acres	2006
				<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
				Unknown Nonpoint Source			
				PCBs (Polychlorinated biphenyls) (dioxin-like)		9204 Acres	2019
				<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				Unknown Nonpoint Source			
				Selenium		9204 Acres	2019
				<i>A formal health advisory has been issued by OEHHA for benthic-feeding ducks in South San Francisco Bay. This health advisory clearly establishes that water contact recreation beneficial use (REC-1) is not fully supported and standards are not fully met.</i>			
				Agriculture			
				Domestic Use of Ground Water			
2	R	San Francisquito Creek	20550040	Diazinon		12 Miles	2005
				<i>This listing was made by USEPA.</i>			
				Urban Runoff/Storm Sewers			
				Sedimentation/Siltation		12 Miles	2008
				<i>Impairment to steelhead habitat.</i>			
				Nonpoint Source			
2	R	San Gregorio Creek	20230014	Coliform Bacteria		11 Miles	2019
				Nonpoint Source			
				Sedimentation/Siltation		11 Miles	2019
				<i>Impairment to steelhead habitat.</i>			
				Nonpoint Source			
2	B	San Leandro Bay (part of SF Bay, Central)	20420040	Chlordane		588 Acres	2008
				<i>This listing was made by USEPA.</i>			
				Nonpoint Source			
				Dieldrin		588 Acres	2008
				<i>This listing was made by USEPA.</i>			
				Nonpoint Source			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Dioxin Compounds (including 2,3,7,8-TCDD)		588 Acres	2019
					Atmospheric Deposition		
				Exotic Species		588 Acres	2019
				<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
					Ballast Water		
				Furan Compounds		588 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
					Atmospheric Deposition		
				Lead (sediment)		588 Acres	2019
					Source Unknown		
				Mercury		588 Acres	2006
				<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
					Industrial Point Sources		
					Municipal Point Sources		
					Resource Extraction		
					Atmospheric Deposition		
					Natural Sources		
					Nonpoint Source		
				Mercury (sediment)		588 Acres	2006
					Source Unknown		
				PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)		588 Acres	2019
					Source Unknown		
				Pesticides (sediment)		588 Acres	2019
					Source Unknown		
				Zinc (sediment)		588 Acres	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	R	San Leandro Creek, Lower	20420012	Diazinon <i>This listing was made by USEPA.</i>		9.3 Miles	2005
Urban Runoff/Storm Sewers							
2	R	San Lorenzo Creek	20420023	Diazinon <i>This listing was made by USEPA.</i>		11 Miles	2005
Urban Runoff/Storm Sewers							
2	R	San Mateo Creek	20440032	Diazinon <i>This listing was made by USEPA.</i>		11 Miles	2005
Urban Runoff/Storm Sewers							
2	B	San Pablo Bay	20610010	Chlordane <i>This listing was made by USEPA.</i>	Nonpoint Source	68349 Acres	2008
				DDT <i>This listing was made by USEPA.</i>	Nonpoint Source	68349 Acres	2008
				Dieldrin <i>This listing was made by USEPA.</i>	Nonpoint Source	68349 Acres	2008
				Dioxin Compounds (including 2,3,7,8-TCDD) <i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>	68349 Acres	2019	
					Atmospheric Deposition		
				Exotic Species <i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>		68349 Acres	2019
					Ballast Water		
				Furan Compounds <i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>	68349 Acres	2019	
					Atmospheric Deposition		

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SWRCB DRAFT 303(d) LIST RELEASE DATE: SEPTEMBER 15, 2006

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Mercury		68349 Acres	2006
				<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
				Municipal Point Sources Resource Extraction Atmospheric Deposition Natural Sources Nonpoint Source			
				Nickel		68349 Acres	2019
				<i>This listing was made by USEPA.</i>			
				Source Unknown			
				PCBs (Polychlorinated biphenyls)		68349 Acres	2006
				<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
				Unknown Nonpoint Source			
				PCBs (Polychlorinated biphenyls) (dioxin-like)		68349 Acres	2019
				<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				Unknown Nonpoint Source			
				Selenium		68349 Acres	2019
				<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.</i>			
				Industrial Point Sources Agriculture Natural Sources Exotic Species			
2	R	San Pablo Creek	20660014	Diazinon		9.9 Miles	2005
				<i>This listing was made by USEPA.</i>			
				Urban Runoff/Storm Sewers			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	L	San Pablo Reservoir	20660012	Chlordane		784 Acres	2019
					Source Unknown		
				Dieldrin		784 Acres	2019
					Source Unknown		
				Heptachlor epoxide		784 Acres	2019
					Source Unknown		
				Mercury		784 Acres	2019
					Atmospheric Deposition		
				PCBs (Polychlorinated biphenyls)		784 Acres	2019
					Source Unknown		
				Toxaphene		784 Acres	2019
					Source Unknown		
2	R	San Pedro Creek	20221011	Coliform Bacteria		2.4 Miles	2019
					Urban Runoff/Storm Sewers Nonpoint Source		
2	R	San Rafael Creek	20320012	Diazinon		3.6 Miles	2005
				<i>This listing was made by USEPA.</i>			
					Urban Runoff/Storm Sewers		
2	R	San Vicente Creek	20221012	Coliform Bacteria		3.8 Miles	2019
					Nonpoint Source		
2	R	Saratoga Creek	20550040	Diazinon		18 Miles	2005
				<i>This listing was made by USEPA.</i>			
					Urban Runoff/Storm Sewers		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	L	Shadow Cliffs Reservoir	20430080	Mercury		90 Acres	2019
					Source Unknown		
				PCBs (Polychlorinated biphenyls)		90 Acres	2019
					Source Unknown		
2	R	Sonoma Creek	20640050	Nutrients		30 Miles	2008
				<i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>			
					Agriculture		
					Construction/Land Development		
					Land Development		
					Urban Runoff/Storm Sewers		
				Pathogens		30 Miles	2006
				<i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>			
					Agriculture		
					Construction/Land Development		
					Land Development		
					Urban Runoff/Storm Sewers		
				Sedimentation/Siltation		30 Miles	2008
				<i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>			
					Agriculture		
					Construction/Land Development		
					Land Development		
					Urban Runoff/Storm Sewers		
2	L	Soulajule Reservoir	20112012	Mercury		49 Acres	2019
					Source Unknown		
				PCBs (Polychlorinated biphenyls)		49 Acres	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	R	Stevens Creek	20550020	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	20 Miles	2005
				Toxicity	Source Unknown	20 Miles	2019
2	L	Stevens Creek Reservoir	20550031	Chlordane	Source Unknown	85 Acres	2019
				Dieldrin	Source Unknown	85 Acres	2019
				Mercury	Source Unknown	85 Acres	2019
				PCBs (Polychlorinated biphenyls)	Source Unknown	85 Acres	2019
2	B	Suisun Bay	20710020	Chlordane <i>This listing was made by USEPA.</i>	Nonpoint Source	25335 Acres	2008
				DDT <i>This listing was made by USEPA.</i>	Nonpoint Source	25335 Acres	2008
				Dieldrin <i>This listing was made by USEPA.</i>	Nonpoint Source	25335 Acres	2008
				Dioxin Compounds (including 2,3,7,8-TCDD) <i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>	Atmospheric Deposition	25335 Acres	2019

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REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			Exotic Species		25335 Acres	2019
			<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
			Ballast Water			
			Furan Compounds		25335 Acres	2019
			<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
			Atmospheric Deposition			
			Mercury		25335 Acres	2006
			<i>Current data indicate fish consumption and wildlife consumption impacted uses. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
			Industrial Point Sources			
			Resource Extraction			
			Atmospheric Deposition			
			Natural Sources			
			Nonpoint Source			
			Nickel		25335 Acres	2019
			<i>This listing was made by USEPA.</i>			
			Source Unknown			
			PCBs (Polychlorinated biphenyls)		25335 Acres	2006
			<i>This listing covers non-dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
			Unknown point source			
			PCBs (Polychlorinated biphenyls) (dioxin-like)		25335 Acres	2019
			<i>The specific dioxin-like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
			Unknown Nonpoint Source			
			Selenium		25335 Acres	2019
			<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.</i>			
			Industrial Point Sources			
			Natural Sources			
			Exotic Species			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	T	Suisun Marsh Wetlands	20723000	Metals <i>Additional monitoring and assessment needed.</i>	Agriculture Urban Runoff/Storm Sewers Flow Regulation/Modification	66339 Acres	2019
				Nutrients <i>Additional monitoring and assessment needed.</i>	Agriculture Urban Runoff/Storm Sewers Flow Regulation/Modification	66339 Acres	2019
				Organic Enrichment/Low Dissolved Oxygen <i>Additional monitoring and assessment needed.</i>	Agriculture Urban Runoff/Storm Sewers Flow Regulation/Modification	66339 Acres	2019
				Salinity/TDS/Chlorides <i>Additional monitoring and assessment needed.</i>	Agriculture Urban Runoff/Storm Sewers Flow Regulation/Modification	66339 Acres	2019
2	E	Suisun Slough	20723000	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	1124 Acres	2005
2	B	Tomales Bay	20114033	Mercury <i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>	Mine Tailings	8545 Acres	2010
				Nutrients <i>TMDL will be developed as part of ongoing watershed management effort. Tributary streams, Lagunitas Creek and Walker Creek, must be managed first. Additional monitoring and assessment needed.</i>	Agriculture	8545 Acres	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Sedimentation/Siltation		8545 Acres	2008
				<i>TMDL will be developed as part of ongoing watershed management effort. Tributary streams, Lagunitas Creek and Walker Creek, must be managed first. Additional monitoring and assessment needed.</i>			
				Agriculture			
				Upstream Impoundment			
2	R	Walker Creek	20112013	Mercury		16 Miles	2006
				<i>Tributary to Tomales Bay. TMDLs will be developed as part of evolving watershed management effort. Additional monitoring and assessment needed.</i>			
				Surface Mining			
				Mine Tailings			
				Nutrients		16 Miles	2019
				<i>Tributary to Tomales Bay. TMDLs will be developed as part of evolving watershed management effort. Additional monitoring and assessment needed.</i>			
				Agriculture			
				Sedimentation/Siltation		16 Miles	2009
				<i>Tributary to Tomales Bay. TMDLs will be developed as part of evolving watershed management effort. Additional monitoring and assessment needed.</i>			
				Agriculture			
2	R	Walnut Creek	20731040	Diazinon		9 Miles	2005
				<i>This listing was made by USEPA.</i>			
				Urban Runoff/Storm Sewers			
2	R	Wildcat Creek	20660013	Diazinon		12 Miles	2005
				<i>This listing was made by USEPA.</i>			
				Urban Runoff/Storm Sewers			

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REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
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ABBREVIATIONS

REGIONAL WATER QUALITY CONTROL BOARDS

- 1 North Coast
- 2 San Francisco Bay
- 3 Central Coast
- 4 Los Angeles
- 5 Central Valley
- 6 Lahontan
- 7 Colorado River Basin
- 8 Santa Ana
- 9 San Diego

WATER BODY TYPE

- B = Bays and Harbors
- C = Coastal Shorelines/Beaches
- E = Estuaries
- L = Lakes/Reservoirs
- R = Rivers and Streams
- S = Saline Lakes
- T = Wetlands, Tidal
- W = Wetlands, Freshwater

CALWATER WATERSHED

"Calwater Watershed" is the State Water Resources Control Board hydrological subunit area or an even smaller area delineation.

GROUP A PESTICIDES OR CHEM A

aldrin, dieldrin, chlordane, endrin, heptachlor, heptachlor epoxide, hexachlorocyclohexane (including lindane), endosulfan, and toxaphene