Change Sheet July 14, 2009
Item 13 for July 16, 2009 Board Meeting
California Regional Water Quality Control Board, Region 4
Draft Los Angeles Region Integrated Report Clean Water Act Section 305(b) Report and Section 303(d) List of Impaired Waters

In response to comments, after a duly noticed public comment period, staff made changes to the proposed 303(d) list. While responding to voluminous comments, inadvertent errors were made. These changes correct those errors.

	Location	Page	Action	Notes
1	This change applies to 1) Santa Clara Reach 5/chlorodibromomethane, 2) Santa Clara Reach 5/dichlorobromomethane, 3) Santa Clara Reach 6/ chlorodibromomethane, 4) Santa Clara Reach 6/dichlorobromomethane. In response to comments, staff re-assessed waterbodies previously proposed to be listed due to impairments to the P*MUN beneficial use. When the re-assessment was done these four impairments remained on the list. This change replaces the "list" decisions with "do not list" decisions, removing these pollutants from the 303(d) list.			
	Tab 13-8 Appendix E	13-113/13-114	replace pages 113-113/13-114 with 13-113/13-114 (July 14, 2009)	Deleted listings are shown lined over
	Tab 13-9 Appendix F	13-166/13-167	replace pages 13-166/13-167 with 13-166/13-167 (July 14, 2009)	Deleted listings are shown lined over
	Tab 13-10 Appendix G	13-174/13-175 and 13-178/13-179	replace pages 13-174/13-175 with 13-174/13-175 (July 14, 2009) replace pages 13-178/13-179 with 13-178/13-179 (July 14, 2009)	Deleted listings are shown lined over and new "do not list" decisions are underlined
	Tab 13-15	13-575 to 13-580	replace pages 13-575 to 13-580 with 13-575 to 13-580 (July 14, 2009)	Factsheets have been updated and are replaced
2	This change applies to Santa Clara Reach 5/ Specific conductivity and Santa Clara Reach 6/ Specific Conductivity. In response to comments, staff re-assessed waterbodies previously proposed to be listed due to impairments to the P*MUN beneficial use. When the re-assessment was done, these impairments remained on the list because the reassessment found that the Agricultural beneficial use was impaired. A closer evaluation of the actual agricultural uses on the specified reach show that a different evaluation guideline is appropriate, and the new evaluation shows the reach is not impaired. This change replaces the "list" decisions with "do not list" decisions, removing them from the 303(d) list.			
	Tab 13-8 Appendix E	13-113/13-114	pages have been replaced as above	Deleted listings are shown lined over

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	Location	Page	Action	Notes
	Tab 13-9 Appendix F	13-166/13-167	pages have been replaced as above	Deleted listings are shown lined over
	Tab 13-10 Appendix G	13-174/13-175 and 13-178/13-179	pages have been replaced as above	Deleted listings are shown lined over and new "do not list" decisions are underlined
4	This change applies to Coyote Creek /Benthic Macroinvertebrates Bioassessment In response to comments, staff added impairments for Benthic Macroinvertebrates Bioassessment to the 303(d) list. Because this Benthic Macroinvertebrates Bioassessment listing is for a site in a fully concrete-lined channel, staff now propose to not include this impairment for this waterbody removing it from the 303(d) list.			
	Tab 13-8 Appendix E	13-77/13-78	replace pages 113-77/13-78 with 13-77/13-78 (July 14, 2009)	Additions are underlined, deletions are lined over
	Tab 13-9 Appendix F	13-138/13-139	replace pages 13-138/13-139 with 13-138/13-139 (July 14, 2009)	Additions are underlined, deletions are lined over
	Tab 13-10 Appendix G	13-176/13-177	replace pages 13-176/13-177 with 13-176/13-177 (July 14, 2009)	Deletions are lined over
5	Due to the changes shown above, the 303(d) list summary numbers have changed. This change effects the Staff Report.			
	Tab 13-3 Staff Report	13-11/13-12	replace page 13-11/13-12 with 13-11/13-12 (July 14, 2009).	Additions are underlined, deletions are lined over
		13-27/13-28	replace page 13-27/13-28 with 13-27/13-28 (July 14, 2009)	Additions are underlined, deletions are lined over
		13-29/13/30	replace page 13-29/13/30 with 13-29/13/30 (July 14, 2009)	Additions are underlined, deletions are lined over

1 Executive Summary

This Integrated Report provides the recommendations of the staff of the California Regional Water Quality Control Board, Los Angeles Region (Los Angeles Water Board) for changes to the Clean Water Act (CWA) Section 303(d) list of impaired waterbodies and provides a draft Clean Water Act Section 305(b) report (Integrated Report). The Integrated Report includes both the list of impaired waterbodies and identified waters which are known to be meeting beneficial uses within the Los Angeles Region.

The Introduction to this Integrated Report provides the context and purpose and an overview of the approach and describes the public process that will be used for adoption of the changes to the 303(d) list and finalization of the Integrated Report. The remainder of the report describes data sources used, the objectives and criteria against which data were compared, the methodology for comparing the available data to the criteria to assess attainment of water quality standards and determine potential 303(d) listings and the methodology used to categorize waterbody segments according to beneficial use support for the 305(b) report. Results are briefly summarized and discussed following descriptions of the methodology.

Recommendations are shown in detail in the appendices. Appendix A shows the public solicitation letters requesting that the public submit any and all available data to support the assessment of water quality in the Region. Appendices B through E provide lists of waterbodies in Integrated Report categories of beneficial use support. Appendix F presents a list of all impairments by waterbody including those waterbodies in Integrated Report categories 4 and 5 (appendices D and E) which is the list referred to as the 303(d) list. Appendix G presents "fact sheets" for each waterbody-pollutant combination that was analyzed for the proposed 303(d) listing decisions. These fact sheets include at least one "Line of Evidence" describing the data and information used as a basis for each proposed decision. Appendix H presents fact sheets for other miscellaneous changes to the 303(d) list. Appendix I provides citations for all of the references used in developing the Integrated Report.

There are ~~68~~ 61 proposed new 303(d) listings in ~~41~~ 40 waterbodies and 30 proposed de-listings in 19 waterbodies on the Los Angeles Region 303(d) list.

Additions of new impaired waterbodies to the list ('listings') or deletions of no longer impaired waterbodies from the list ('delistings') were constrained by availability of water quality data. Many waterbodies in the Region are not sampled on a regular basis. In addition, identification of waterbodies which are not impaired by pollutants and meet all beneficial uses has also been driven by availability of data.

Regional Board staff reviewed all data available to determine impairment or the absence of impairment but staff focused on developing listing or delisting decisions and factsheets for the update and did not usually develop do-not-list or do-not-delist decisions and factsheets as these decisions would not alter the final 303(d) list.

The Los Angeles Region Integrated Report and updated 303(d) list included in this staff report is being circulated for public comments. Written comments received before June 17, 2009 will be responded to in writing. The reports and the response to comments will then be brought before the Los Angeles Water Board at a public hearing for potential approval. Public testimony will also be heard at the public hearing. After approval by the Los Angeles Water Board, the Integrated Report, including the updated 303(d) list, will be submitted to the State Water Resources Control Board (State Board) for approval along with the other Region's reports. The full State Integrated Report will then be submitted to the USEPA for approval and will then be final.

2 Introduction

The purpose of this report is to identify those surface waters in the Los Angeles Region which are impaired by pollutants or conditions which prevent them from meeting beneficial uses and to identify those waterbodies which data show are meeting beneficial uses.

An important requirement of the Clean Water Act is to identify those waters which are polluted, not meeting established standards and not supporting the uses expected of those waterbodies. With identification is the recognition of the need for action. Appropriate action after identifying a polluted waterbody is generally the development of a Total Maximum Daily Load (TMDL) but, in some cases, may also include permitting actions or prohibiting discharges to the waterbody, taking cleanup actions, or restoration projects.

2.1 Regulatory Process

The Clean Water Act (CWA) requires each State to assess the status of water quality in the State (Section 305(b)), and provide a list of impaired water bodies (Section 303(d)) to the U.S. Environmental Protection Agency (U.S. EPA) every two years. For water quality limited segments included on the 303(d) list, the state is required to develop a Total Maximum Daily Load (TMDL)or take other action to address the impairment.

The last review and update of the State's 303(d) list occurred in 2006. That review was conducted by the State Water Resources Control Board using the State Board's *Water Quality Control Policy for Developing California's Clean Water Act Section 303(d) List* (Listing Policy) (SWRCB 2004) developed in 2004. The 2006 update was the first review and update to use that policy.

For the 2008 update, each Regional Water Board is conducting their own reviews of new and previous water quality data and updating the assessment and list of impaired waterbodies according to the Listing Policy.

This staff report presents this Regional Board's assessment of the current status of water quality in the Los Angeles Region for water bodies with readily available data, and identifies

information to be assessed; 3) cannot have uses are which not supported; and 4) in agreement with the USEPA, may be included in this category with a minimum of one pollutant assessed for one use.

Category 3: (Appendix C): A water segment with water quality information that could not be used for an assessment, for reasons such as: monitoring data have poor quality assurance, not enough samples in a dataset, no existing numerical objective or evaluation guideline, the information alone cannot support an assessment, etc. Waters completely lacking water quality information are considered "not assessed".

Category 4A (Appendix D): A water segment where ALL its 303(d) listings are being addressed; and 2) at least one of those listings is being addressed by a USEPA approved TMDL.

Category 4B: A water segment where ALL its 303(d) listings are being addressed by action(s) other than TMDL(s). (No appendix to this report has been included for this category since, at this time, the Los Angeles Region does not have waterbodies in this category.)

Category 4C: A water segment that is impacted by non-pollutant related cause(s). (No appendix to this report has been included for this category since, at this time, the Los Angeles Region does not have waterbodies in this category.)

Category 5 (Appendix E): 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.

3.6 Information Management

All LOEs, factsheets and listing or delisting decisions were entered into the statewide *California Water Quality Assessment (CalWQA) Database.* The CalWQA database stores all LOEs, listing decisions, and beneficial use support ratings for assessed water bodies in California. This database was developed in 2007 for the purpose of storing detailed water quality assessment information. The database is designed so that this information can be easily reevaluated in future assessment updates and can be exported to the USEPA's Assessment Database at the end of each assessment update.

4 Summary of Assessment Results

A full summary of the Los Angeles Region Integrated Report is included as Table 4-1.

Table 4-1 Integrated Report Summary

Integrated Report Category Number	Integrated Report Category definition	Number of waterbodies
1	Waters Supporting All Beneficial Uses	0
2 (Appendix B)	Waters Supporting Some Beneficial Uses	26
3 (Appendix C)	Waters With Insufficient Information	23
4 (Appendix D)	Water Quality Limited Segments Addressed	31
5 (Appendix E)	Water Quality Limited Segments not Fully Addressed	158
Total		*238 assessed waterbodies*
(4 and 5) (Appendix F) 303(d) list	*List of All Waterbody Impairments (the updated 303 (d) list)*	*189 waterbodies on the 303(d) list*

Of the waterbodies included in the Integrated Report, a total of ~~68~~ 61 new listings are proposed and 30 de-listings are proposed. In addition, in this update, 113 previous listings are now included in the list as 'being addressed by a TMDL' because a USEPA approved TMDL has been completed. A summary of new additions to the Integrated Report is found in Table 4-2. In this Table, decisions to List are shown in three categories. "List" is the decision to include a waterbody/pollutant combination on the 303(d) list for the first time; "List (being addressed by TMDL)" is the decision to move a waterbody/pollutant combination from the 'requires a TMDL" portion of the list to the "being addressed by a TMDL" portion of the list because a USEPA approved TMDL has been completed since the last update to the 303(d) list in 2006; "List (being addressed by action other than TMDL)" is the decision to move a waterbody/pollutant combination from the 'requires a TMDL" portion of the list to the "being addressed by action other than TMDL" portion of the list because another regulatory action(such as a permitted restoration action) is sufficient to address the impairment. Factsheets for all these decisions are found in Appendix G.

Table 4-2 Integrated Report Summary for NEW decisions in 2008 including *delist, do not delist, do not list and list*

New Decision in 2008	Number of waterbodies	Number of waterbody/pollutant combinations
Delist	19	30
Do Not Delist	23	29
Do Not List	50	~~86~~ 92
List	41	~~68~~ 61
List (being addressed by TMDL)	55	113
List (being addressed by action other than TMDL)	2	3
Total		~~329~~ 328

The total number of waterbody/pollutant combinations in the proposed 2008 303(d) list is ~~829~~ 822. ~~448~~ 442 of these waterbody/pollutant combinations, or 54%, require the completion of a TMDL or other regulatory action to address the impairment. 381 of these waterbody/pollutant combinations, or 46%, are currently being addressed by an EPA approved TMDL or other regulatory action.

This was the first time that the Water Boards have prepared an Integrated 303(d)/305(b) Report under the current Listing Policy and USEPA Integrated Report Guidance and the first time that the Regional Boards have used the CalWQA database. Combining the 303(d) list update with the 305(b) report and using the same database as all other Regions added efficiency and ensured consistency, but provided challenges in terms of workload and project management. While individual assessments for potential 303(d) listings or de-listings provided valuable information for the 305(b) report, creating the overall 305(b) report using 303(d) listing decisions as the primary input also had limitations. Preparing assessment fact sheets at the level of detail required for 303(d) list changes under the Listing Policy limited the amount of data which could be developed in the manner necessary for inclusion in the CalWQA database. In addition, the readily available data are also often biased towards areas with more potential discharges, since these areas are where the bulk of the monitoring activity takes place. For these reasons, the number of waterbody segments in each Integrated Report category is not necessarily a representative sampling of all the waterbodies within the Los Angeles Region. Despite these limitations, this Integrated Report provides the most complete 305(b) report for the Los Angeles Region to date.

5 TMDL Scheduling

As part of its 1996 and 1998 regional water quality assessments, the Regional Board identified over 700 waterbody-pollutant combinations in the Los Angeles Region where TMDLs would be required (LARWQCB, 1996, 1998). A 13-year schedule for development of TMDLs in the Los Angeles Region was established in a consent decree (Heal the Bay Inc., et al. v. Browner, et al. C 98-4825 SBA) (United States District Court, Northern District of California, 1999) approved on March 22, 1999 (USEPA/Heal the Bay Consent Decree).

For the purpose of scheduling TMDL development, the decree combined the over 700 waterbody-pollutant combinations into 92 TMDL analytical units. Proposed de-listings in this report would discharge or partially discharge 12 TMDL analytical units as specified in the USEPA/Heal the Bay Consent Decree between the U.S. EPA and Heal the Bay, Inc. et al. filed on March 22, 1999.

Staff identified the new listings as a low priority, to be started after the USEPA/Heal the Bay Consent Decree commitments are met. A possible exception to this would be if a new listing could be folded into an existing analytical unit without the need for additional resources to develop the resulting TMDL. The assignment of a low priority to these new TMDL analytical units is not a reflection on their importance, but is given because the Regional Board has first prioritized existing USEPA/Heal the Bay Consent Decree commitments before beginning new TMDLs. The maximum time that can elapse between 303(d) listing and TMDL completion is 13 years. Accordingly, staff have assigned all new listings a TMDL completion date of 2021. This does not suggest that all new listings have the same priority, but rather that the factors determining TMDL priorities have not yet been evaluated as part of this listing process.

REGION	WATER BODY NAME	WATER BODY TYPE	WATERSHED / CALWATER / USGS HUC	POLLUTANT *Relevant Notes*	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS**	DATE ***
				PCBs (Polychlorinated biphenyls)	0.21 Miles	1998	A	2019
				Fish Consumption Advisory for PCBs.				
4	Colorado Lagoon	Wetland, Tidal	40512000 / 18070104	Chlordane (tissue & sediment)	13 Acres	2006	A	2019
				DDT (tissue)	13 Acres	2006	A	2019
				Dieldrin (tissue)	13 Acres	2006	A	2019
				Indicator Bacteria	13 Acres	2006	A	2019
				This listing includes the north, center, and south areas of the lagoon.				
				Lead (sediment)	13 Acres	2006	A	2019
				PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)	13 Acres	2006	A	2019
				PCBs (Polychlorinated biphenyls) (tissue)	13 Acres	2006	A	2019
				Sediment Toxicity	13 Acres	2006	A	2019
				Zinc (sediment)	13 Acres	2006	A	2019
4	Compton Creek	River & Stream	40515010 / 18070104	Benthic-Macroinvertebrate Bioassessments	8.5 Miles	2008	A	2021

REGION	WATER BODY NAME	WATER TYPE	WATERSHED / CALWATER / USGS HUC	POLLUTANT *Relevant Notes*	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS**	DATE ***
				Coliform Bacteria	8.5 Miles	1996	A	2009
				Copper	8.5 Miles	1996	B	2005
				Lead	8.5 Miles	1996	B	2005
				Trash	8.5 Miles	2006	B	2008
				pH	8.5 Miles	1996	B	2004
4	Coyote Creek	River & Stream	40515010 / 18070104	Ammonia	13 Miles	1996	C	
				~~Benthic Macroinvertebrate Bioassessments~~	~~13 Miles~~	~~2008~~	~~A~~	~~2021~~
				Copper, Dissolved	13 Miles	2002	B	2007
				Diazinon	13 Miles	2006	A	2019
				Indicator Bacteria	13 Miles		A	2009
				Lead	13 Miles	2002	B	2007
				Toxicity	13 Miles	2002	A	2008
				This listing was made by USEPA for 2002.				
				pH	13 Miles	2006	A	2019
4	Coyote Creek, North Fork	River & Stream	40515010 / 18070104	Indicator Bacteria	5 Miles	2008	A	2021
				Selenium	5 Miles	2008	A	2021

REGION	WATER BODY NAME	WATER TYPE	WATERSHED * CALWATER / USGS HUC	POLLUTANT *Relevant Notes*	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS**	DATE ***
				~~Chlorodibromomethane~~	~~9.4 Miles~~	~~2008~~	~~A~~	~~2021~~
				Coliform Bacteria	9.4 Miles	2006	A	2019
				~~Dichlorobromomethane~~	~~9.4 Miles~~	~~2008~~	~~A~~	~~2021~~
				Iron	9.4 Miles	2008	A	2021
				~~Specific Conductivity~~	~~9.4 Miles~~	~~2008~~	~~A~~	~~2021~~
4	Santa Clara River Reach 6 (W Pier Hwy 99 to Bouquet Cyn Rd) (was named Santa Clara River Reach 8 on 2002 303(d) list)	River & Stream	40351000 / 18070102	Benthic-Macroinvertebrate Bioassessments	5.2 Miles	2008	A	2021
				Chloride	5.2 Miles	1998	B	2005
				Chloride was relisted by USEPA in 2002.				
				~~Chlorodibromomethane~~	~~5.2 Miles~~	~~2008~~	~~A~~	~~2021~~
				Chlorpyrifos	5.2 Miles	2006	A	2019
				Coliform Bacteria	5.2 Miles	1996	A	2019
				Copper	5.2 Miles	2008	A	2021
				Diazinon	5.2 Miles	2006	A	2019
				~~Dichlorobromomethane~~	~~5.2 Miles~~	~~2008~~	~~A~~	~~2021~~
				Iron	5.2 Miles	2008	A	2021

REGION	WATER BODY NAME	WATER TYPE	WATERSHED * CALWATER / USGS HUC	POLLUTANT *Relevant Notes*	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS**	DATE ***
				~~Specific Conductance~~	~~5.2 Miles~~	~~2008~~	~~A~~	~~2021~~
				Toxicity	5.2 Miles	2006	A	2019
4	Santa Clara River Reach 7 (Bouquet Canyon Rd to above Lang Gaging Station) (was named Santa Clara River Reach 9 on 2002 303(d) list)	River & Stream	40351000 / 18070102	Coliform Bacteria	21 Miles	2002	A	2019
4	Santa Clara River Reach 11 (Piru Creek, from confluence with Santa Clara River Reach 4 to gaging station below Santa Felicia Dam)	River & Stream	40341000 / 18070102	Boron	6.2 Miles	2006	A	2019
				Specific Conductance	6.2 Miles	2008	A	2021
				Sulfates	6.2 Miles	2006	A	2019
				Total Dissolved Solids	6.2 Miles	2008	A	2021
4	Santa Fe Dam Park Lake	Lake & Reservoir	40531000 / 18070105	Copper	20 Acres	1996	A	2019

2008 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SECTIONS

WATER BODY NAME	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT *Revelant Notes*	TMDL REQUIREMENT STATUS*	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
				Dieldrin (tissue)	A	01/01/2019	
				Indicator Bacteria	A	01/01/2019	
				This listing includes the north, center, and south areas of the lagoon.			
				Lead (sediment)	A	01/01/2019	
				PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)	A	01/01/2019	
				PCBs (Polychlorinated biphenyls) (tissue)	A	01/01/2019	
				Sediment Toxicity	A	01/01/2019	
				Zinc (sediment)	A	01/01/2019	
Compton Creek	40515010	8.51 Miles	5	Benthic-Macroinvertebrate Bioassessments	A	01/01/2021	
				Coliform Bacteria	A	01/01/2009	
				Copper	B		12/22/2005
				Lead	B		12/22/2005
				Trash	B		07/24/2008
				pH	B		03/18/2004
Coyote Creek	40515010	13.31 Miles	5	Ammonia	C		
				~~Benthic-Macroinvertebrate Bioassessments~~	~~A~~	~~01/01/2021~~	
				Copper, Dissolved	B		03/27/2007
				Diazinon	A	01/01/2019	
				Indicator Bacteria	A	01/01/2009	
				Lead	B		03/27/2007
				pH	A	01/01/2019	
				Toxicity	A	01/01/2008	
				This listing was made by USEPA for 2002.			

2008 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SECTIONS

WATER BODY NAME	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT *Revelant Notes*	TMDL REQUIREMENT STATUS*	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Coyote Creek, North Fork	40515010	5 Miles	5	Indicator Bacteria	A	01/01/2021	
				Selenium	A	01/01/2021	
Crystal Lake	40543000	3.71 Acres	5	Organic Enrichment/Low Dissolved Oxygen	A	01/01/2019	
Dan Blocker Memorial (Coral) Beach	40431000	2.1 Miles	4A	Coliform Bacteria	B		01/01/2002
				(This listing includes the area of the beach at Latigo Beach and Solstice Canyon.)			
Dockweiler Beach	40512000	4.61 Miles	4A	Indicator Bacteria	B		06/19/2003
Dominguez Channel (lined portion above Vermont Ave)	40351000	6.7 Miles	5	Ammonia	A	01/01/2019	
				Copper	A	01/01/2019	
				Diazinon	A	01/01/2021	
				Indicator Bacteria	A	01/01/2007	
				Lead	A	01/01/2019	
				Toxicity	A	01/01/2021	
				Zinc	A	01/01/2019	
Dominguez Channel Estuary (unlined portion below Vermont Ave)	40512000	140 Acres	5	Ammonia	A	01/01/2019	
				Benthic Community Effects	A	01/01/2019	
				Benzo(a)pyrene (3,4-Benzopyrene -7-d)	A	01/01/2019	
				Benzo[a]anthracene	A	01/01/2019	

2008 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SECTIONS

WATER BODY NAME	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT *Revelant Notes*	TMDL REQUIREMENT STATUS*	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
Santa Clara River Reach 5 (Blue Cut gaging station to West Pier Hwy 99 Bridge) (was named Santa Clara River Reach 7 on 2002 303(d) list)	40351000	9.4 Miles	5	Chloride	B		01/01/2005
				Chloride was relisted by USEPA in 2002.			
				~~Chlorodibromomethane~~	~~A~~	~~01/01/2021~~	
				Coliform Bacteria	A	01/01/2019	
				~~Dichlorobromomethane~~	~~A~~	~~01/01/2021~~	
				Iron	A	01/01/2021	
				~~Specific Conductivity~~	~~A~~	~~01/01/2021~~	
Santa Clara River Reach 6 (W Pier Hwy 99 to Bouquet Cyn Rd) (was named Santa Clara River Reach 8 on 2002 303(d) list)	40351000	5.2 Miles	5	Benthic-Macroinvertebrate Bioassessments	A	01/01/2021	
				Chloride	B		01/01/2005
				Chloride was relisted by USEPA in 2002.			
				~~Chlorodibromomethane~~	~~A~~	~~01/01/2021~~	
				Chlorpyrifos	A	01/01/2019	
				Coliform Bacteria	A	01/01/2019	
				Copper	A	01/01/2021	
				Diazinon	A	01/01/2019	
				~~Dichlorobromomethane~~	~~A~~	~~01/01/2021~~	

2008 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SECTIONS

WATER BODY NAME	CALWATER WATERSHED	ESTIMATED SIZE AFFECTED	INTEGRATED REPORT CATEGORY	POLLUTANT *Revelant Notes*	TMDL REQUIREMENT STATUS*	EXPECTED TMDL COMPLETION DATE	DATE USEPA APPROVED TMDL
				Iron	A	01/01/2021	
				~~Specific Conductance~~	~~A~~	~~01/01/2021~~	
				Toxicity	A	01/01/2019	
Santa Clara River Reach 7 (Bouquet Canyon Rd to above Lang Gaging Station) (was named Santa Clara River Reach 9 on 2002 303(d) list)	40351000	21 Miles	5	Coliform Bacteria	A	01/01/2019	
Santa Clara River Reach 11 (Piru Creek, from confluence with Santa Clara River Reach 4 to gaging station below Santa Felicia Dam)	40341000	6.2 Miles	5	Boron	A	01/01/2019	
				Specific Conductance	A	01/01/2021	
				Sulfates	A	01/01/2019	
				Total Dissolved Solids	A	01/01/2021	
Santa Fe Dam Park Lake	40531000	19.76 Acres	5	Copper	A	01/01/2019	
				Lead	A	01/01/2019	
				pH	A	01/01/2019	
Santa Monica Bay Offshore/Nearshore	40513000	146645 Acres	5	DDT (tissue & sediment) *Centered on Palos Verdes Shelf.*	A	01/01/2019	

- [illegible]

- Malibu Lagoon
  - Antimony | Arsenic | Benzo(a)pyrene (3,4-Benzopyrene -7-d) | Benzo[a]anthracene | Chrysene (C1-C4) | Copper | Dibenz[a,h]anthracene | Lead | Phenanthrene | Pyrene | Zinc (16282)
  - Sediment Toxicity (16283)

- Mandos Cove Beach
  - Indicator Bacteria (16267)

- Marina Park Beach
  - Indicator Bacteria (16268)

- Matilija Creek Reach 1 (Jct. With N. Fork to Reservoir)
  - Indicator Bacteria (13423)

- Matilija Creek Reach 2 (Above Reservoir)
  - Indicator Bacteria (13288)

- Matilija Creek, North Fork
  - Indicator Bacteria (13440)
  - Total Dissolved Solids (13468)

- Mussel Shoals Beach
  - Indicator Bacteria (16268)

- Oil Piers Beach
  - Indicator Bacteria (16269)

- Oxnard Beach
  - Indicator Bacteria (16270)

- Oxnard Beach Park
  - Indicator Bacteria (16271)

- Point Mugu Beach
  - Indicator Bacteria (16272)

- Port Hueneme Beach Park
  - Indicator Bacteria (16273)

- San Gabriel River Reach 1 (Estuary to Firestone)
  - Ammonia (4168)

- San Gabriel River Reach 2 (Firestone to Whittier Narrows Dam
  - Chloride (4614)
  - Nitrogen, Nitrite (12071)

- San Gabriel River Reach 3 (Whittier Narrows to Ramona)
  - Lead (12206)

- Santa Clara River Estuary
  - Arsenic (6830)

- Santa Clara River Reach 5 (Blue Cut gaging station to West Pier Hwy 99 Bridge) (was named Santa Clara River Reach 7 on 2002 303(d) list)
  - DDT (Dichlorodiphenyltrichloroethane) (9056)
  - PCBs (Polychlorinated biphenyls) (5392)

- Santa Clara River Reach 6 (W Pier Hwy 99 to Bouquet Cyn Rd) (was named Santa Clara River Reach 8 on 2002 303(d) list)
  - Bis(2ethylhexyl)phthalate (DEHP) (9461)

- Seaside Wilderness Park Beach
  - Indicator Bacteria (16274)

- Silverstrand Beach
  - Indicator Bacteria (16276)

- Solimar Beach
  - Indicator Bacteria (16277)

- South Jetty Beach
  - Indicator Bacteria (16278)

- Staircase Beach (Leo Carillo Beach, North of County Line)
  - Indicator Bacteria (16279)

- Sycamore Cove Beach
  - Indicator Bacteria (16280)

- Thornhill Broome Beach
  - Indicator Bacteria (16281)

- Triunfo Canyon Creek Reach 1
  - Invasive Species (16626)

- Tujunga Wash (LA River to Hansen Dam)
  - Toxicity (16473)

- Tuna Canyon Creek
  - Nitrate (16393)

- Ventura River Reach 1 and 2 (Estuary to Weldon Canyon)
  - Indicator Bacteria (13179)
  - Total Dissolved Solids (13395)

- Ventura River Reach 3 (Weldon Canyon to Confl. w/ Coyote Cr)
  - Total Dissolved Solids (13398)

- Ventura River Reach 4 (Coyote Creek to Camino Cielo Rd)
  - Indicator Bacteria (13182)

Insert Under Santa Clara River Reach 5 and Santa Clara River Reach 6;
Chlorodibromomethane,
Dichlorobromomethane,
Specific Conductance

- Total Dissolved Solids (13256)

- Walnut Creek Wash (Drains from Puddingstone Res)
  - Copper, Dissolved (8496)
  - Lead (8481)

List on 303(d) list (TMDL required list)

- Arroyo Seco Reach 1 (LA River to West Holly Ave.)
  - Benthic-Macroinvertebrate Bioassessments (17212)

- Artesia-Norwalk Drain
  - Indicator Bacteria (10026)
  - Selenium (9947)

- Bull Creek
  - Indicator Bacteria (16412)

- Burbank Western Channel
  - Indicator Bacteria (4386)
  - Selenium (16395)

- Calleguas Creek Reach 3 (Potrero Road upstream to confluence with Conejo Creek on 1998 303d list)
  - Trash (17169)

- Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on 1998 303d list)
  - Trash (10423)

- Calleguas Creek Reach 9A (was lower part of Conejo Creek Reach 1 on 1998 303d list)
  - Trash (17171)

- Calleguas Creek Reach 9B (was part of Conejo Creek Reaches 1 and 2 on 1998 303d list)
  - Trash (17172)

- Calleguas Creek Reach 10 (Conejo Creek (Hill Canyon)-was part of Conejo Crk Reaches 2 & 3, and lower Conejo Crk/Arroyo Conejo N Fk on 1998 303d list)
  - Trash (17170)

- Canada Larga (Ventura River Watershed)
  - Total Dissolved Solids (13212)

- Compton Creek
  - Benthic-Macroinvertebrate Bioassessments (17213)

- Coyote Creek
  - Benthic-Macroinvertebrate Bioassessments (17214)

- Coyote Creek, North Fork
  - Indicator Bacteria (13921)

- [illegible] (16624)

- Dominguez Channel (lined portion above Vermont Ave)
  - [illegible] (16626)
  - Toxicity (16634)

- Dominguez Channel Estuary (unlined portion below Vermont Ave)
  - Sediment Toxicity (16600)

- Las Virgenes Creek
  - Benthic-Macroinvertebrate Bioassessments (17207)
  - Invasive Species (16621)

- Lindero Creek Reach 1
  - Benthic-Macroinvertebrate Bioassessments (17208)
  - Invasive Species (16624)

- Los Angeles Harbor - Cabrillo Marina
  - Benzo(a)pyrene (3,4-Benzopyrene -7-d) (16615)

- Los Angeles/Long Beach Inner Harbor
  - Benzo(a)pyrene (3,4-Benzopyrene -7-d) (16592)
  - Chrysene (C1-C4) (16593)

- Malibu Creek
  - Benthic-Macroinvertebrate Bioassessments (17209)
  - Invasive Species (16618)

- Medea Creek Reach 2 (Abv Confl. with Lindero)
  - Benthic-Macroinvertebrate Bioassessments (17210)
  - Invasive Species (16625)

- Promenade Park Beach
  - Indicator Bacteria (4254)

- Puente Creek
  - Indicator Bacteria (14109)
  - Selenium (14116)

- Rio Hondo Reach 1 (Confl. LA River to Snt Ana Fwy)
  - Cyanide (16391)
  - Toxicity (16469)

- San Antonio Creek (Tributary to Ventura River Reach 4)
  - Indicator Bacteria (13186)
  - Total Dissolved Solids (13194)

- San Gabriel River Estuary
  - Dioxin (11842)
  - Nickel (11984)
  - Oxygen, Dissolved (11995)

- San Gabriel River Reach 2 (Firestone to Whittier Narrows Dam
  - Cyanide (12107)
- San Gabriel River Reach 3 (Whittier Narrows to Ramona)
  - Indicator Bacteria (12240)
- San Jose Creek Reach 1 (SG Confluence to Temple St.)
  - Benthic-Macroinvertebrate Bioassessments (17215)
  - Total Dissolved Solids (9944)
  - pH (9945)
- Santa Clara River Estuary
  - Nitrogen, Nitrate (8831)
  - Toxicity (8872)
- Santa Clara River Estuary Beach-Surfers Knoll
  - Indicator Bacteria (16327)
- Santa Clara River Reach 3 (Freeman Diversion to A Street)
  - Toxicity (10524)
- Santa Clara River Reach 5 (Blue Cut gaging station to West Pier Hwy 99 Bridge) (was named Santa Clara River Reach 7 on 2002 303(d) list)
  - ~~Chlorodibromomethane (9899)~~
  - ~~Dichlorobromomethane (9968)~~
  - Iron (9302)
  - ~~Specific Conductivity (9315)~~
- Santa Clara River Reach 6 (W Pier Hwy 99 to Bouquet Cyn Rd) (was named Santa Clara River Reach 8 on 2002 303(d) list)
  - Benthic-Macroinvertebrate Bioassessments (17217)
  - ~~Chlorodibromomethane (9455)~~
  - Copper (9431)
  - ~~Dichlorobromomethane (9456)~~
  - Iron (9449)
  - ~~Specific Conductance (9448)~~
- Santa Clara River Reach 11 (Piru Creek, from confluence with Santa Clara River Reach 4 to gaging station below Santa Felicia Dam)
  - Specific Conductance (9318)
  - Total Dissolved Solids (9317)
- Solstice Canyon Creek
  - Invasive Species (16622)
- Surfers Point at Seaside
  - Indicator Bacteria (4149)
- Triunfo Canyon Creek Reach 2
  - Benthic-Macroinvertebrate Bioassessments (17211)
- Ventura River Reach 3 (Weldon Canyon to Confl. w/ Coyote Cr)
  - Indicator Bacteria (13171)

- Verdugo Wash Reach 1 (LA River to Verdugo Rd.)
  - [illegible]

- Walnut Creek Wash (Drains from Puddingstone Res)
  - [illegible]
  - Indicator Bacteria (6181)

List on 303(d) list (being addressed by USEPA approved TMDL)

- Arroyo Seco Reach 1 (LA River to West Holly Ave.)
  - Trash (7181)

- Arroyo Seco Reach 2 (Figueroa St. to Riverside Dr.)
  - Trash (7188)

- Brown Barranca/Long Canyon
  - Nitrate and Nitrite (4211)

- Burbank Western Channel
  - Trash (7528)

- Calleguas Creek Reach 1 (was Mugu Lagoon on 1998 303(d) list)
  - Endosulfan (tissue) (6196)

- Calleguas Creek Reach 2 (estuary to Potrero Rd- was Calleguas Creek Reaches 1 and 2 on 1998 303d list)
  - ChemA (tissue) (7355)
  - Endosulfan (tissue) (6712)

- Calleguas Creek Reach 3 (Potrero Road upstream to confluence with Conejo Creek on 1998 303d list)
  - Chloride (7536)
  - Total Dissolved Solids (7541)

- Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue on 1998 303d list)
  - ChemA (tissue) (7140)
  - Endosulfan (tissue & sediment) (6721)
  - Trash (6977)

- Calleguas Creek Reach 5 (was Beardsley Channel on 1998 303d list)
  - ChemA (tissue) (6753)
  - Endosulfan (tissue & sediment) (7101)
  - Trash (6978)

- Calleguas Creek Reach 6 (was Arroyo Las Posas Reaches 1 and 2 on 1998 303d list)
  - Chloride (6979)
  - Sulfates (6980)
  - Total Dissolved Solids (6981)

Data Used to Assess Water Quality:	Two of 20 samples exceeded the California Toxics Rule Criterion Continuous Concentration for copper. Water quality samples were taken and analyzed for copper in accordance with the Municipal Separate Storm Sewer System (MS4) permit monitoring and testing parameters.
Data Reference:	Monitoring Reports for the Storm Water Management/Urban Runoff Discharges for Ventura County Flood Control District, County of Ventura, and the cities of Ventura County NPDES Permit No. CAS004002
Water Quality Objective/Criterion:	The California Toxics Rule lists Criterion Maximum Concentrations and Criterion Continuous Concentrations for copper to protect aquatic life in freshwater. The copper criteria in freshwater is hardness dependent for each sample and varies based on the on the ambient hardness during sampling. Section (b)(1) in CTR contains the hardness dependent formula for metals criteria.
Objective/Criterion Reference:	Water Quality Standards 2000. Establishment of numeric criteria for priority toxic pollutants for the State of California. Rules and regulations. Federal Register Vol. 65, No. 97. Washington, D.C.: Environmental Protection Agency
Evaluation Guideline:	
Guideline Reference:	
Spatial Representation:	Samples were taken at the Mass Emission Santa Clara River Monitoring Station (S29). Station S29 is located near Interstate 5 about 1.5 miles west of the confluence with San Francisquito Creek (Lat 34.42660, Long -118.58649).
Temporal Representation:	Grab samples were taken and analyzed from October 31, 2003 to April 2, 2007.
Environmental Conditions:	
QAPP Information:	Data was collected in compliance with the sampling and monitoring procedures detailed in County of Ventura MS4 Permit (NPDES No. CAS004002) Monitoring and Reporting Program.
QAPP Information Reference(s):	Monitoring and reporting program No. CI 7388 for Storm Water Management/Urban Runoff Discharges for Ventura County Flood Control District, County of Ventura, and the cities of Ventura County NPDES Permit No. CAS004002

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Supporting Information

Regional Board 4 - Los Angeles Region

Water Body Name:	Santa Clara River Reach 5 (Blue Cut gaging station to West Pier Hwy 99 Bridge) (was named Santa Clara River Reach 7 on 2002 303(d) list)
Water Body ID:	CAR4035100019990203102901
Water Body Type:	River & Stream
DECISION ID	9068
Pollutant:	Dichlorobromomethane
Final Listing Decision:	Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision:	New Decision
Revision Status	Revised
Impairment from Pollutant or Pollution:	Pollutant

Weight of Evidence:

This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status.

One line of evidence is available in the administrative record to assess this pollutant.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:
1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Zero of 33 samples exceeded the California Toxics Rule Human Health Organism Consumption Criteria for Dichlorobromomethane and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.

RWQCB Board Decision / Staff Recommendation: After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards are not being exceeded.

SWRCB Board Decision / Staff Recommendation:

USEPA Decision:

Lines of Evidence (LOEs) for Decision ID 9068

LOE ID:	8346
Pollutant:	Dichlorobromomethane
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	None

Beneficial Use:	Water Contact Recreation
Number of Samples:	33
Number of Exceedances:	0
Data and Information Type:	Fixed station physical/chemical (conventional plus toxic pollutants)
Data Used to Assess Water Quality:	Zero of 33 samples exceeded the California Toxics Rule Human Health Criteria Organism Consumption Criteria for Dichlorobromomethane. Water quality samples were taken for Dichlorobromomethane in accordance with County Sanititation Districts monitoring parameters.
Data Reference:	NPDES receiving water monitoring reports for Saugus Water Reclamation Plant (NPDES No. CA0054313) and Valencia Water Reclamation Plant (NPDES No. CA0054216).
Water Quality Objective/Criterion:	The California Toxics Rule lists a Human Health Organism Consumption Criteria of 46 ug/L for Dichlorobromomethane to protect human health.
Objective/Criterion Reference:	Water Quality Standards 2000. Establishment of numeric criteria for priority toxic pollutants for the State of California: Rules and regulations. Federal Register Vol. 65, No. 97. Washington, D.C.: Environmental Protection Agency
Evaluation Guideline:	
Guideline Reference:	
Spatial Representation:	The listed monitoring stations for this water body pollutant combination include: RC located approximately 300 feet upstream of point of discharge 001 to the river, RD located approximately 300 feet downstream of point of discharge 001 to the river, and RE located approximately 1.6 miles upstream of Chiquita Canyon Road.
Temporal Representation:	Grab samples were taken and analyzed on quarterly basis from July 2004 to February 2007
Environmental Conditions:	
QAPP Information:	Data was collected in compliance with the sampling and monitoring procedures detailed in NPDES Permit No. CA0054216 Monitoring and Reporting Program.
QAPP Information Reference(s):	Valencia Water Reclamation Plant Monitoring and reporting program for NPDES No. CA0054216 (County Sanitation Districts of Los Angeles County)

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Supporting Information

Regional Board 4 - Los Angeles Region

Water Body Name:	Santa Clara River Reach 6 (W Pier Hwy 99 to Bouquet Cyn Rd) (was named Santa Clara River Reach 8 on 2002 303(d) list)
Water Body ID:	CAR4035100019990204123459
Water Body Type:	River & Stream
DECISION ID	9450
Pollutant:	Dichlorobromomethane
Final Listing Decision:	Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision:	New Decision
Revision Status	Revised
Impairment from Pollutant or Pollution:	Pollutant
Weight of Evidence:	This pollutant is being considered for placement on the section 303(d) list under section 3.1 of the Listing Policy. Under section 3.1 a single line of evidence is necessary to assess listing status. One line of evidence is available in the administrative record to assess this pollutant. Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification against placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category. This conclusion is based on the staff findings that: 1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy. 2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy. 3. Zero of eight samples exceeded the California Toxics Rule Human Health Organism Consumption Criteria for dichlorobromomethane and this does not exceed the allowable frequency listed in Table 3.1 of the Listing Policy. 4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are not met.
RWQCB Board Decision / Staff Recommendation:	After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should not be placed on the section 303(d) list because applicable water quality standards are not being exceeded.
SWRCB Board Decision / Staff Recommendation:	
USEPA Decision:	

Lines of Evidence (LOEs) for Decision ID 9450

LOE ID:	8754
Pollutant:	Dichlorobromomethane
LOE Subgroup:	Pollutant-Water
Matrix:	Water
Fraction:	Total

Beneficial Use:	Water Contact Recreation
Number of Samples:	8
Number of Exceedances:	0
Data and Information Type:	Fixed station physical/chemical (conventional plus toxic pollutants)
Data Used to Assess Water Quality:	Zero of eight samples exceeded the California Toxics Rule Human Health Criteria Organism Consumption Criteria for dichlorobromomethane. Water quality samples were taken for dichlorobromomethane in accordance with County Sanititation Districts monitoring parameters.
Data Reference:	NPDES receiving water monitoring reports for Saugus Water Reclamation Plant (NPDES No. CA0054313) and Valencia Water Reclamation Plant (NPDES No. CA0054216).
Water Quality Objective/Criterion:	The California Toxics Rule lists a Human Health Organism Consumption Criteria of 46 ug/L for dichlorobromomethane to protect human health.
Objective/Criterion Reference:	Water Quality Standards 2000. Establishment of numeric criteria for priority toxic pollutants for the State of California: Rules and regulations. Federal Register Vol. 65, No. 97. Washington, D.C.: Environmental Protection Agency
Evaluation Guideline:	
Guideline Reference:	
Spatial Representation:	Samples were taken at two stations: R-A Santa Clara River approximately 300 feet upstream of point of discharge 001 to River R-B Santa Clara River approximately 100 feet downstream of point of discharge 001 to River
Temporal Representation:	Grab samples were taken and analyzed on quarterly basis from July 2004 to February 2007
Environmental Conditions:	
QAPP Information:	Quality assurance information is described in the Monitoring and Reporting Program, No. CI-2960, for County Sanitation Districts of Los Angeles County, Saugus Water Reclamation Plant, (NPDES NO. CA0054313).
QAPP Information Reference(s):	Monitoring and Reporting Program No. CI-2960 for County Sanitation Districts of Los Angeles County (Saugus Water Reclamation Plant) (NPDES NO. CA0054313)

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Supporting Information

Regional Board 4 - Los Angeles Region

Water Body Name:	Triunfo Canyon Creek Reach 1
Water Body ID:	CAR4042400019990202081341
Water Body Type:	River & Stream
DECISION ID	16626
Pollutant:	Invasive Species
Final Listing Decision:	Do Not List on 303(d) list (TMDL required list)
Last Listing Cycle's Final Listing Decision:	New Decision
Revision Status	Revised
Impairment from Pollutant or Pollution:	Pollutant

Weight of Evidence:

This pollutant is being considered for placement on the section 303(d) list under section 3.10 of the Listing Policy. Under section 3.10, waters are listed when a declining trend in water quality is substantiated.

Two lines of evidence are available in the administrative record to assess this pollutant. Zero of 2 sites showed an increase in density of mud snails over the three years of sampling (2006, 2007, 2008) and 0 out of 3 sites sampled showed medium or high densities of mud snail in 2008. One site exhibited a low density of mudsnails in 2008.

At high numbers, mud snails can completely cover a stream bed and damage local stream ecosystems. The colonies outcompete native aquatic invertebrates that the watershedÂ's fish and amphibians rely on for food, disrupting the entire food web.

Benthic macroinvertebrates as measured by Southern California IBI (index of biological integrity) in Triunfo Creek were very poor in 2005 indicating impairment of benthic community structure.

Based on the readily available data and information, the weight of evidence indicates that there is sufficient justification in favor of placing this water segment-pollutant combination on the section 303(d) list in the Water Quality Limited Segments category.

This conclusion is based on the staff findings that:
1. The data used satisfies the data quality requirements of section 6.1.4 of the Policy.
2. The data used satisfies the data quantity requirements of section 6.1.5 of the Policy.
3. Data was collected over a three years time frame and a baseline condition of zero abundance of the invasive species was used.
3. Zero of two sites showed an increase in density of mud snails over a three years of sampling and zero of three sites sampled showed medium or high densities of mud snail in 2008.
4. Pursuant to section 3.11 of the Listing Policy, no additional data and information are available indicating that standards are met.

RWQCB Board Decision / Staff Recommendation:

After review of the available data and information, RWQCB staff concludes that the water body-pollutant combination should be placed on the section 303(d) list because applicable water quality standards are exceeded and a pollutant contributes to or causes the problem.

SWRCB Board Decision / Staff Recommendation: