

## **REGIONAL MONITORING WORKGROUP – MEETING SUMMARY**

County of San Diego  
5201 Ruffin Road, Suite P  
San Diego, CA 92123  
Thursday, December 18, 2008  
10:00am – 12:00pm

Attendees:

<b>Name</b>	<b>Organization</b>
Jo Ann Weber	County of San Diego
Eric Becker	SDRQWCB
David Renfrew	Weston Solutions
Shelley Anghera	Weston Solutions
Jeremy Burns	Mactec Engineering
Bryn Evans	URS Corporation
Chris Stransky	Nautilus Environmental
Phil Gibbons	Port of San Diego
Todd Snyder	County of San Diego
Khosro Aminpour	City of Chula Vista
Marisa Fontanoz	City of Chula Vista
Pavitra Rammohan	City of Del Mar (PBS&J)
Mayela Padilla	City of Encinitas
Chris Helmer	City of Imperial Beach
Alison Witheridge	City of Oceanside
Andre Sonksen	City of San Diego
Helen Perry	City of Santee
Paul Hartman	City of Vista

### **REGIONAL MONITORING**

Weston provided the group with the following updates on monitoring activities:

#### **Regional Monitoring**

- All MLS samples for the wet season have been taken
- All post-storm sediment pyrethroid samples have been taken
- MS4 Monitoring – Random wet portion
  - 2 events completed
- SMC Bioassessment – There was a meeting on 12/17/08 to finalize the sites and analytes. There will be another meeting in January to discuss and plan for funding. SMC will monitor 8 sites and we (Copermittees) will sample 16 sites (some long-term sites and some new) in San Diego County.

#### **Bight 08**

Weston is in the process of providing data to SCCWRP.

### **WORKPLANS**

#### **SOURCE ID MONITORING WORKPLAN 08-09**

The group discussed the residential monitoring studies being performed by Dr. Haver under the Prop 50 grant. The plan is to use the data gained in these studies to apply it to cities in San Diego. La Mesa is still on board for the study and is currently working with its local water district. The City of Carlsbad had time constraints and already went forward with their residential study, but is interested in a similar study with a commercial or industrial site. JW asked the group if any cities had potential studies in single-family residential areas that the workgroup could support. The City of Encinitas potentially has a study and will get back to the workgroup. The goal is to support studies in both north and southern San Diego County. \$50K

is currently budgeted for these studies and will be split between the two cities. Weston with direction from the Copermitttees subgroup (Jo Ann Weber and Malik Tamimi) will move forward with putting together this workplan. JW requested that any interested cities are welcome to contact her.

#### **MS4 TARGETED WET WEATHER WORKPLAN**

A workplan for FY 09-10 is due this year, with implementation beginning next year (Year 3). Most of the details of the plan were resolved in past submittals. It was the consensus of the group to have Weston provide a draft of this work plan for the Copermitttees review. JW will ask the WURMP Workgroup for guidance with this plan.

#### **SOURCE ID MONITORING WORKPLAN 09-10**

A Source ID Monitoring Workplan for FY 09-10 is due September 1, 2009 along with the Scope of Work. The group decided to discuss this plan again in the February meeting.

#### **FY07-08 REGIONAL MONITORING REPORT UPDATES**

Comments are due to Weston and JW by 12/22/08. Comments can be submitted via email, track changes, or letter. Comments will be discussed at the 01/08/09 Copermitttee-only meeting.

#### **COASTAL STORM DRAIN MONITORING**

The Coastal Storm Drain Monitoring group is in the process of completing their annual report for FY 07-08.

#### **DRY WEATHER MONITORING WORKGROUP**

The Dry Weather Monitoring Workgroup plans to meet on February 18, 2009. A topic of discussion for the workgroup is the Threat to Water Quality and Human Health ratings from the trash assessment form.

#### **TRIENNIAL REVIEW OF BASIN PLAN**

The deadline to submit comments and issues to the Regional Board is 01/09/09. Based on the workshop on December 18, 2008, the Regional Board has allotted a 2-person year time commitments to addressing issued related to the Basin Plan. Attached to these notes is the presentation. The Regional Board plans to tentatively adopt the updated list of issues by June 2009. The group discussed issues that could be brought up as individual jurisdictions/ entities, however, there will be no formal submission of issues by the San Diego Regional Copermitttees as a whole. For more information, visit this website: [http://www.waterboards.ca.gov/sandiego/water\\_issues/programs/basin\\_plan/tri\\_review.shtml](http://www.waterboards.ca.gov/sandiego/water_issues/programs/basin_plan/tri_review.shtml)

#### **PROP 84**

Prop 84 provides storm water grants for public agencies that can be used for CIP improvements dealing with approved TMDLs, LID projects, or storm water monitoring projects. Non-profit organizations cannot apply for these grants. Approximately \$80 million is available. Comments are due on Prop 84 by December 18, 2009.

#### **OTHER ITEMS**

The California Water Quality Monitoring Council has released a report that proposes a system of web-based, user-oriented, data access portals to CA's water quality monitoring data. See info here:

The Southern California Stormwater Monitoring Coalition has a website: [www.socalsmc.org](http://www.socalsmc.org)

## **FUTURE MEETINGS**

The next Regional Monitoring Workgroup meeting is scheduled for **Tuesday, January 27, 2009** at the City of Santee, Santee City Hall, Conference room No. 5, 10601 Magnolia Avenue, Santee, CA 92071 (Please note new location)

Upcoming meetings are as follows:

Tuesday, February 24, 10am-12pm - County of San Diego, 5201 Ruffin Road, Suite P, San Diego, 92123.

**AGENDA**  
**San Diego Regional Monitoring Workgroup**  
County of San Diego  
5201 Ruffin Road, Ste. P  
San Diego, CA 92123  
**Thursday, December 18, 2008**  
**10:00 AM – 12:00 PM**

1. Introductions (10 to 10:05 am)
2. Approve meeting notes from November 25, 2008 meeting
3. Regional Monitoring Activities Update (10:07 to 10:30)  
Discuss Work Plan schedules for 2008-2009 - Source ID Monitoring Work Plan for 2007-2008, Targeted Wet Weather MS4 Monitoring and Source ID Monitoring Work Plan for 2008-2009; County will request direction on how to proceed
  - a. Source ID Monitoring Work Plan for 2009-2010

What we said in our June 20, 2007- Source ID Monitoring Work Plan:

“Details of the Source Identification Study will be due as part of the Scope of Work submitted to the RWQCB on September 1 of each year beginning in 2009 for the current monitoring year. For the 2008-2009 monitoring year, the Copermittees from the Regional Monitoring and WURMP Workgroups will support two dry weather Source Identification Studies scheduled to be conducted in the cities of La Mesa and Carlsbad. Both studies will focus on predominantly single-family residential neighborhoods. The La Mesa study will include a small area of commercial development that will be analyzed separately and provide additional insight on dry weather flows from mixed use areas. Key study questions for these investigations may include:

1. When are the dry weather or nuisance flows detected from single-family residences (during what part of the day/week)?
2. What is the water quality and load of constituents of dry weather or nuisance flows from single-family residences?
3. What are the potential sources of dry weather flows from single-family residences?

The data will provide information on the sources of dry weather/nuisance flows from single family residences. These data can then be used by Copermittees to develop effective BMP strategies for residential areas, which is one of the most common land uses in the San Diego region.

The Copermittees intend to leverage the results of the Proposition 50 Nonpoint Source Pollution Control Program Grant entitled “Evaluating Best Management Practices (BMPs) Effectiveness to Reduce Volumes of Runoff and Improve the Quality of Runoff from Urban Environments” that is being conducted by Dr. Darren Haver of the University of California, Davis. Dr. Haver is coordinating the collection of wet and dry samples from four residential communities in Sacramento and four residential communities in Orange County. First, baseline samples will be collected and then after an intensive outreach program to encourage reduced water runoff through the implementation of BMPs, additional water quality/water quantity samples will be collected to evaluate the effectiveness of BMP implementation. A similar model will be implemented by the Copermittees, however, only enough water quality data will be collected within the City of La Mesa to verify that the University of California Study results apply to the San Diego Region. This U.C. Davis source identification study will potentially apply to all watersheds in the San Diego Region.”

The City of La Mesa will participate. The City of Carlsbad has conducted their residential study already and proposes that the Copermittees consider industrial or commercial sites in Spring

2009 and then extend the study into next monitoring year. The County of San Diego is looking for direction on how the Copermittees want to proceed.

**b. Targeted Wet Weather MS4 Monitoring Work Plan for 2009 –2012**

Taken from our MS4 Outfall Monitoring Program:

**Table 1: Summary of the Proposed MS4 Outfall Monitoring Design**

Season	Design Type	Outfall Diameter	Number of Samples
Dry	Random	≥36 inches	54 per year
	Targeted	Any	200 per year
Wet	Random	≥36 inches	54 per year
	Targeted	Any	9 per Permit cycle

The targeted sampling approach is based on quantifying the relative loading of pollutants from MS4 outfalls that impact receiving waters. This approach focuses monitoring efforts on those MS4 outfalls that are most likely to contribute to receiving water problems (e.g., largest potential pollutant loading).

Only outfalls that discharge directly (or the nearest safely accessible upstream location) to a river, stream, bay, estuary, or the Pacific Ocean will be targeted for sampling. It is anticipated that one wet weather sample (composite or pollutograph sampling event) will be conducted once in each WMA over the 5 year Permit period. During Year 2 of the Permit, details of this program will be developed through a consensus process in the Copermittees’ workgroups. Details of the program will be submitted in the Scope of Work due to the RWQCB on September 1, 2009.

JW Note: For budget purposes- We assumed 3 samples collected each Year during Yrs 3, 4 and 5 of the Permit. Request approval to move forward with Weston preparing the Monitoring Plan.

**c. Source ID Monitoring Work Plan for 2009-2010**

County of San Diego requests Copermittees direction on how to proceed

**4. Schedule for Draft San Diego County Copermittees 2007-2008 Urban Runoff Monitoring - Status Update**

Please provide comments to [joann.weber@sdcounty.ca.gov](mailto:joann.weber@sdcounty.ca.gov) and [dave.renfrew@westonsolutions.com](mailto:dave.renfrew@westonsolutions.com) by the close of business on Monday, December 22, 2008.

Comments received after December 22<sup>nd</sup>, may not be able to be incorporated.

Copermittees’-only meeting to review responses to Copermittees comments on Thursday, January 8<sup>th</sup> from 10 am to Noon at the County of San Diego, 5201 Ruffin Rd, Ste. P, San Diego

Final Report to County of San Diego – January 26, 2009

Final Report submitted to the RWQCB on January 30, 2009

**5. Coastal Storm Drain Monitoring Workgroup (Update)**

**6. Dry Weather Workgroup Update (Next meeting scheduled for February 18, 2009)**

**7. Triennial Review – Discuss Workshop, revisit 1994 issues (attached is a list of the 1994 issues; please review or bring new issues to the meeting);**

[http://www.waterboards.ca.gov/rwqcb9/water\\_issues/programs/basin\\_plan/tri\\_review.shtml](http://www.waterboards.ca.gov/rwqcb9/water_issues/programs/basin_plan/tri_review.shtml)

8. Proposition 84- Stormwater Grants - Comments on the draft guidelines are due on December 19  
[www.waterboards.ca.gov/water\\_issues/programs/grants\\_loans/prop84/docs/prop84\\_swgp\\_draft\\_guidelines.pdf](http://www.waterboards.ca.gov/water_issues/programs/grants_loans/prop84/docs/prop84_swgp_draft_guidelines.pdf)
  - a. Eligible applicants are local public agencies
  - b. 5-year grants- 20% match- \$90 million (90% tied to already approved TMDLs (including EPA approval) individual projects range from \$250 K to \$ 5 Million- up to \$9 million for monitoring projects ; 2 rounds of concept proposal scheduled: February 2009 and February 2010 (schedule may change)
  
9. Other Items (please bring to meeting)
  - c. California Water Quality Monitoring Council – Dec. 1 2008 report: [http://www.swrcb.ca.gov/water\\_issues/programs/monitoring\\_council/docs/s\\_b\\_1070\\_report\\_draft\\_111308.pdf](http://www.swrcb.ca.gov/water_issues/programs/monitoring_council/docs/s_b_1070_report_draft_111308.pdf) - proposing a system of web-based, user-oriented, data access portals to California's water quality monitoring data
  - d. Southern California Stormwater Monitoring Coalition website; [www.socalsmc.org](http://www.socalsmc.org)
  
10. Future Meetings - The following meetings are at the County of San Diego - 5201 Ruffin Rd, Ste. P, San Diego, CA 92123:

Thursday, January 8, 10am - Noon (Copermittees-only meeting to review comments on Draft annual report)

Tuesday, January 27, 10am - Noon

Tuesday, February 24, 10am - Noon

**For updated meeting schedule, agendas and meeting summaries visit [www.projectcleanwater.org](http://www.projectcleanwater.org)**

## **APPENDIX B**

### **Prioritized 2004 Basin Plan Triennial Review Issue List**

## Prioritized 2004 Basin Plan Triennial Review Issue List

Prioritized No	Category	Generalized Rank	Complexity	Score
1	Other	High	Low	160

### Issue Name

Electronic Format of Basin Plan

### Issue Summary

Convert the electronic format of the Basin Plan from WordPerfect into Word.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Administrative	Administrative	Administrative

### Resource Estimations

Investigation			Amendment			Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0	\$0	0.34	\$25,835	0.34	\$25,835		

### Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
2	Implementation Plan	High	Low	156

### Issue Name

Onsite Sewage Treatment System Regulations

### Issue Summary

Add newly promulgated regulations pertaining to onsite sewage treatment systems to the Basin Plan pursuant to California Water code (CWC) Section 13291(e). The amendment would update Chapter 4 regarding regulation of conventional systems AND establish performance and prescriptive standards for the design, operation and monitoring of onsite wastewater treatment systems that are "alternatives" to a conventional septic tank/subsurface dispersal system.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide ground waters	Region-wide ground waters	Region-wide ground waters

### Resource Estimations

Investigation			Amendment			Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	0.68	\$51,670		

### Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
3	Beneficial Use	High	Low	155

### Issue Name

Unnamed or Unidentified Waterbodies and Table Corrections

### Issue Summary

Add the following unnamed or unidentified waterbodies to the Basin Plan. The following creek names below are reaches of existing streams that are either not currently identified or are identified as unnamed intermittent tributaries. Tables 2-2 and 3-2 should include: 903.12 Gird Creek, 905.32 Cloverdale Creek, 905.22 Green Valley Creek, 905.23 Felecita Creek, 911.30, Unnamed Tributary to Pine Creek (AKA South Pine Creek), 907.21 Aqueduct Arm Creek, 904.51 Cottonwood Creek, and Kit Carson Creek. Table 2-4 should include 902.36 Diamond Valley Reservoir and 905.21 Olivenhain Reservoir. Verify and correct as needed the name of the creek (Moonlight versus Cottonwood) referenced on page 2-54, endnote 7. Update list of Region's waterbodies on page 3-26. Correct endnote D to identify the Township as "14." Clarify information for HSA 903.14 in endnote "r" of the groundwater quality objectives table. Modify Table 3-3 to include a separate line for HSA 903.13 and

## Prioritized 2004 Basin Plan Triennial Review Issue List

HSA 903.14 in order to clarify which objectives actually apply to the aquifers mentioned in the endnote. Add Famosa Slough to Table 2-3. Famosa Slough was inadvertently omitted from Table 2-3, Beneficial Uses of Coastal Waters, and should be added as it supports a variety of wildlife. Correct Table 2-2, page 2-39 typo in 909.23. The name should be "Dehesa Valley," not Denesa Valley. On Table 2-2, page 2-37 designate the name "Pueblo San Diego Watershed" to include the surface waters listed in HU 908. Include the Irvine coast near Laguna Beach as an Area of Special Biological Significance (ASBS) on page 2-4 because this coastline is contiguous with the Irvine coast ASBS in Region 8. Review footnotes and endnotes for clarity and technical accuracy.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
San Luis Rey River	903.12	Gird Creek
San Luis Rey River	903.13	Groundwater
San Luis Rey River	903.14	Groundwater
San Marcos Creek	904.51	Moonlight/Cottonwood Creek, Kit Carson Creek
San Marcos Creek	904.52	Moonlight/Cottonwood Creek
San Dieguito River	905.21	Olivenhain Reservoir
San Dieguito River	905.22	Green Valley Creek
San Dieguito River	905.23	Felecita Creek
San Dieguito River	905.32	Cloverdale Creek
San Diego River	907.21	Aqueduct Arm Creek
Tijuana River	911.30	Unnamed tributary to Pine Creek (AKA South Pine Creek)
Sweetwater River	909.23	Dehesa Valley
Santa Margarita River	902.36	Diamond Valley Reservoir
Unnamed Intermittal Coastal Streams	908	Surface waters in 908
San Diego River	907.11	Famosa Slough
Aliso Creek	901.10	Coastal Waters

### Resource Estimations

Investigation				Investigation Running Sum			
PY	Dollars	Amendment PY	Dollars	Total PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	1.02	\$77,505

### Issue Submitted By

California Regional Water Quality Control Board      Sierra Club

Prioritized No	Category	Generalized Rank	Complexity	Score
4	Other	High	Low	154

### Issue Name

Basin Plan Map

### Issue Summary

Update the Basin Plan map incorporating new hydrologic boundaries and GIS information. Update beneficial uses and water quality objectives according to the newly revised map. Investigate the need to change the boundary between Region 8 and 9 near the area of Diamond Valley Reservoir and Goodhard Canyon because the creation of the reservoir has affected the drainage patterns. Reconcile nomenclature in the beneficial use tables for surface and ground water with the nomenclature on the Basin Map. Beneficial Use Table 2-2 for surface waters should include the acronyms for Hydrologic Unit (HU), Hydrologic Area (HA), or Hydrologic Subarea (HSA) as does Beneficial Use Table 2-5 for ground waters.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface and ground waters	Region-wide surface and ground waters	Region-wide surface and ground waters

## Prioritized 2004 Basin Plan Triennial Review Issue List

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	1.36	\$103,340

### Issue Submitted By

California Regional Water Quality Control Board Construction Industry Coalition on Water Quality  
Port of San Diego

Prioritized No	Category	Generalized Rank	Complexity	Score
5	Water Quality Objective	High	Low	153

### Issue Name

Source or Criteria for Water Quality Objectives

### Issue Summary

Identify the underlying source or criteria upon which each water quality objective is based (e.g., USEPA CTR criteria). Delete Appendix C of Basin Plan and put the reference information with each of the water quality objectives listed in Chapter 3. Delete the "in excess of 1 mg/l" water quality objective for toluene on page 3-10 of Basin Plan. This objective is duplicative with the Title 22 objective. Add language to the Basin Plan clarifying anthropogenic versus natural sources of pollutants including controllable water quality factors. The text on this issue was inadvertently omitted from Chapter 3 during the 1994 Basin Plan revision.

### Watershed

Region-wide surface and ground waters

### Hydrologic Unit

Region-wide surface and ground waters

### Affected Waterbody(ies)

Region-wide surface and ground waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	1.7	\$129,175

### Issue Submitted By

California Regional Water Quality Control Board 1998 Triennial Review

Prioritized No	Category	Generalized Rank	Complexity	Score
6	Implementation Plan	High	Low	152

### Issue Name

Compliance Time Schedules in NPDES Permits

### Issue Summary

Add necessary language to the Basin Plan that provides for the establishment of compliance time schedules in NPDES permits.

### Watershed

Region-wide surface waters

### Hydrologic Unit

Region-wide surface waters

### Affected Waterbody(ies)

Region-wide surface waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	2.04	\$155,010

### Issue Submitted By

California Regional Water Quality Control Board

## Prioritized 2004 Basin Plan Triennial Review Issue List

Prioritized No	Category	Generalized Rank	Complexity	Score
7	Water Quality Objective	High	High	141

### Issue Name

Water Quality Objectives for Bacteria Indicators

### Issue Summary

Update and clarify existing water quality objectives for bacteria indicators. Include language in Basin Plan Chapter 3 clarifying how objectives should be interpreted and implemented (e.g. applicability of E. coli and enterococcus for use in NPDES permitting). Additionally, develop implementation provisions for bacteria objectives for REC-1 beneficial use. Implementation provisions would not replace water quality objectives but would discuss provisions under which exceedances of water quality objectives would be allowed during wet weather conditions. Implementation provisions may include but are not be limited to incorporation of a reference watershed, or a watershed that is minimally impacted by anthropogenic activities, or such other approaches as may be found appropriate, useful and compatible with USEPA guidelines. Such a watershed has a certain amount of exceedances of the water quality objectives during rain events, and these exceedances are due to input from natural sources (wildlife). TMDLs for bacteria would incorporate these implementation provisions as an alternative to using the water quality objectives as written in the Basin Plan.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

Resource Estimations			Investigation		
Investigation	Amendment	Total	Running Sum		
PY	Dollars	PY	Dollars	PY	Dollars
2.48	\$189,186	1.17	\$89,287	3.65	\$278,473
				4.52	\$344,196

### Issue Submitted By

California Regional Water Quality Control Board	County of Orange
USEPA Region 9	1998 Triennial Review

Prioritized No	Category	Generalized Rank	Complexity	Score
8	Implementation Plan	High	Low	141

### Issue Name

Essential Text Updates

### Issue Summary

Make the following essential text updates to the Basin Plan: (A) Add introductory text to Chapter 4 to accommodate incorporation of TMDLs into Basin Plan. Clarify the types of waste(s) that are excepted from waste discharge prohibition #4. The Regional Board adopted Resolution 96-30 which provides an exception to waste discharge prohibition #4 in the Basin Plan. An evaluation of Resolution 96-30 is needed to clarify which waste(s) are excepted and why "untreated" waste was removed from the prohibition language. (B) Update Basin Plan text to reflect the current requirements outlined in the recently modified NPDES municipal storm water permits (MS4 permits). Existing Basin Plan text must be expanded to make clear that MS4 permits require dischargers to meet water quality standards in addition to reducing pollutants to the maximum extent practicable. (C) Update language regarding the NPDES construction storm water program to clarify recent permit changes and provide new information on current Phase II regulations. (D) Update Basin Plan section on Dairies (pages 4-79 and 4-80) to reflect the new USEPA final Concentrated Animal Feeding Operation (CAFO) Rule signed December 15, 2002. (E) Update and revise Basin Plan text pertaining to Chapter 15 references to reflect new regulations under Title 27, California Code of Regulations. (F) Clarify language in Chapter 4 that incorrectly refers to waste discharge requirements (WDRs) as "permits". Correct language that refers to discharges as being "authorized" by a WDR. (G) Clarify the municipal ground water exclusion exemption and expand the definition of de-designated basins. The text should point out that while waters may be exempt from SWRCB Resolution No. 88-63, they are still protected under environmental laws and regulations. (H) Revise Table 4-6 in Basin Plan to include current water reclamation projects.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Administrative	Administrative	Administrative

## Prioritized 2004 Basin Plan Triennial Review Issue List

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	4.86	\$370,031

### Issue Submitted By

California Regional Water Quality Control Board

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Prioritized No	Category	Generalized Rank	Complexity	Score
9	Water Quality Objective	High	High	140

### Issue Name

Dissolved Oxygen Water Quality Objective in Surface Waters

### Issue Summary

Clarify the water quality objective language in the basin plan for dissolved oxygen. As currently worded, (text on page 3-8), the objective appears to only apply to inland surface waters and not enclosed bays and estuaries. However the Marine beneficial use is only designated for enclosed bays and estuaries and coastal waters. The water quality objective needs to be revised to provide a distinct dissolved oxygen water quality objective for inland surface waters and for enclosed bays and estuaries. During investigation of this issue the Regional Board will consider developing a site-specific numeric water quality objective for dissolved oxygen in San Diego Bay.

### Watershed

Region-wide surface waters

### Hydrologic Unit

Region-wide surface waters

### Affected Waterbody(ies)

Region-wide surface waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
2.48	\$189,186	1.17	\$89,287	3.65	\$278,473	7.34	\$559,217

### Issue Submitted By

California Regional Water Quality Control Board USEPA Region 9  
1998 Triennial Review

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Prioritized No	Category	Generalized Rank	Complexity	Score
10	Water Quality Objective	High	Medium	135

### Issue Name

Water Quality Objective for Nitrate in Ground Water

### Issue Summary

Evaluate the appropriateness of the current groundwater water quality objective for nitrate of 1.0 mg/l as N. Clarification is needed as to the appropriateness of the groundwater water quality objective for nitrate as NO3 being 45 mg/l, 10 mg/l and 5 mg/l depending on the basin to which the discharge occurs. Determine if the nitrate objective should be expressed as Nitrite, Total Nitrogen, Nitrate, or a combination of the three. The current objective is well below the drinking water standard of 45 mg/L. A higher objective would continue to protect water supply beneficial uses and accommodate use of conventional wastewater treatment systems serving local residential and commercial development.

### Watershed

Region-wide ground waters

### Hydrologic Unit

Region-wide ground waters

### Affected Waterbody(ies)

Region-wide ground waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	7.68	\$585,052

## Prioritized 2004 Basin Plan Triennial Review Issue List

### Issue Submitted By

California Regional Water Quality Control Board Pauma Valley Community Services District  
Fuog Water Resources Inc. Watermaster, Santa Margarita River Watershed

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<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
11	Water Quality Objective	High	High	110

### Issue Name

Total Dissolved Solids (TDS) Management Plan and Water Quality Objective for Chloride

### Issue Summary

Develop a region-wide TDS management plan and strategy to proactively address the mounting TDS impacts on ground and surface waters, and better align TDS water quality objectives within the County Water Authority distribution region to reflect the imported water contributions. Evaluate minimum TDS objectives for maintaining saline habitat. Adopt chloride objective to be consistent with USEPA criteria or provide antidegradation analysis to justify a chloride objective based on ambient water quality.

<b>Watershed</b>	<b>Hydrologic Unit</b>	<b>Affected Waterbody(ies)</b>
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

<b>Resource Estimations</b>				<b>Investigation</b>			
<b>Investigation</b>		<b>Amendment</b>		<b>Total</b>		<b>Running Sum</b>	
<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>
2.48	\$189,186	1.17	\$89,287	3.65	\$278,473	10.16	\$774,238

### Issue Submitted By

County of San Diego USEPA Region 9

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<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
12	Beneficial Use	High	High	109

### Issue Name

Beneficial Uses for a REC-1Subcategory

### Issue Summary

Adopt a subcategory of REC-1 called "Wildlife Impacted Recreation" for waterbodies designated with REC-1 beneficial use, which also support an abundance of wildlife (e.g. Children's Pool, La Jolla). In wildlife-impacted areas achieving REC-1 standards for bacteria is difficult. Adoption of the subcategory "Wildlife Impacted Recreation" would reflect the natural levels of bacteria while providing protection to the noncontact recreation beneficial use (REC-2). Consider sub-category for contact recreation (REC-1) in flood control areas and reservoirs where public access is restricted. Revise designated beneficial uses to recognize flood control and its incompatibility with beneficial uses on a case-by-case basis, such as Forrester Creek and Chollas Creek.

<b>Watershed</b>	<b>Hydrologic Unit</b>	<b>Affected Waterbody(ies)</b>
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

<b>Resource Estimations</b>				<b>Investigation</b>			
<b>Investigation</b>		<b>Amendment</b>		<b>Total</b>		<b>Running Sum</b>	
<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>
2.48	\$189,186	1.17	\$89,287	3.65	\$278,473	12.64	\$963,424

### Issue Submitted By

California Regional Water Quality Control Board

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## Prioritized 2004 Basin Plan Triennial Review Issue List

Prioritized No	Category	Generalized Rank	Complexity	Score
13	Water Quality Objective	High	Low	108

### Issue Name

Copper and Lead Maximum Contaminant Level (MCL)

### Issue Summary

Update Maximum Contaminant Levels (MCLs) for copper and lead in Chapter 3 with the domestic or municipal supply water quality objectives set by Department of Health Services. Review all other MCLs and update as appropriate.

### Watershed

Region-wide surface and ground waters

### Hydrologic Unit

Region-wide surface and ground waters

### Affected Waterbody(ies)

Region-wide surface and ground waters

### Resource Estimations

#### Investigation

PY	Dollars
0.34	\$25,835

#### Amendment

PY	Dollars
0.61	\$46,473

#### Total

PY	Dollars
0.95	\$72,308

### Investigation

#### Running Sum

PY	Dollars
12.98	\$989,259

### Issue Submitted By

Sierra Club

Prioritized No	Category	Generalized Rank	Complexity	Score
14	Implementation Plan	High	Low	107

### Issue Name

Potable Water Releases to Land

### Issue Summary

Amend the waiver policy to include a category 2 waiver for discharges to land from flushing and draining potable water lines and tanks. Historically the Basin Plan included this type of discharge, but it was inadvertently removed during the September 11, 2002 update.

### Watershed

Region-wide ground waters

### Hydrologic Unit

Region-wide ground water

### Affected Waterbody(ies)

Region-wide ground water

### Resource Estimations

#### Investigation

PY	Dollars
0.34	\$25,835

#### Amendment

PY	Dollars
0.61	\$46,473

#### Total

PY	Dollars
0.95	\$72,308

### Investigation

#### Running Sum

PY	Dollars
13.32	\$1,015,094

### Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
15	Other	Medium	Low	99

### Issue Name

Department of Water Resources Ground Water Basin Map

### Issue Summary

Add Department of Water Resources (DWR) Groundwater Basin Map to the Basin Plan. This map depicts alluvial portions of a basin where ground water is likely to be stored or beneficially used. Concurrent with the addition of the DWR map, add a table that describes the basin number, areal extent, depth, storage capacity, and yield.

### Watershed

Region-wide ground waters

### Hydrologic Unit

Region-wide ground waters

### Affected Waterbody(ies)

Region-wide ground waters

## Prioritized 2004 Basin Plan Triennial Review Issue List

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	13.66	\$1,040,929

### Issue Submitted By

California Regional Water Quality Control Board

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Prioritized No	Category	Generalized Rank	Complexity	Score
16	Water Quality Objective	Medium	High	95

### Issue Name

Water Quality Objective for Chlorine

### Issue Summary

Adopt water quality objectives for chlorine (expressed as total residual chlorine) as necessary for the protection of aquatic life.

### Watershed

Region-wide surface waters

### Hydrologic Unit

Region-wide surface waters

### Affected Waterbody(ies)

Region-wide surface waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
2.48	\$189,186	1.17	\$89,287	3.65	\$278,473	16.14	\$1,230,115

### Issue Submitted By

California Regional Water Quality Control Board USEPA Region 9

Department of Fish and Game

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Prioritized No	Category	Generalized Rank	Complexity	Score
17	Water Quality Objective	Medium	Low	93

### Issue Name

Water Quality Objective for Fluoride

### Issue Summary

Update and clarify current Basin Plan water quality objectives for fluoride, in response to Metropolitan's Board of Directors recent decision to fluoridate its water supply.

### Watershed

Region-wide surface and ground waters

### Hydrologic Unit

Region-wide surface and ground waters

### Affected Waterbody(ies)

Region-wide surface and ground waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	16.48	\$1,255,950

### Issue Submitted By

Metropolitan Water District of Southern California

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## Prioritized 2004 Basin Plan Triennial Review Issue List

Prioritized No	Category	Generalized Rank	Complexity	Score
18	Beneficial Use	Medium	High	91

### Issue Name

Beneficial Use RARE - Threatened and Endangered Species Found in Vernal Pools

### Issue Summary

Expand species list considered in the RARE beneficial use designation, adding threatened and endangered species found in vernal pools to Table 2-1.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
2.48	\$189,186	1.17	\$89,287	3.65	\$278,473	18.96	\$1,445,136

### Issue Submitted By

Sierra Club

Prioritized No	Category	Generalized Rank	Complexity	Score
19	Beneficial Use	Medium	Low	90

### Issue Name

Beneficial Use Designations for RARE, BIOL, SPWN & MIGR

### Issue Summary

Evaluate hydrologic areas and appropriately add beneficial use designations (RARE, BIOL, SPWN, and MIGR) based on updated species lists, critical habitat designations and any other new data. Recognize areas within Region 9 that have been designated National Wildlife Refuges (NWR) by U.S. Fish & Wildlife Services.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	19.3	\$1,470,971

### Issue Submitted By

USEPA Region 9

Prioritized No	Category	Generalized Rank	Complexity	Score
20	Implementation Plan	Medium	Medium	84

### Issue Name

Pollution Prevention Policy

### Issue Summary

Develop and add a broad-based Pollution Prevention Policy to the Basin Plan.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface and ground waters	Region-wide surface and ground waters	Region-wide surface and ground waters

## Prioritized 2004 Basin Plan Triennial Review Issue List

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
1.77	\$135,028	1.03	\$78,309	2.79	\$213,337	21.07	\$1,605,999

### Issue Submitted By

California Regional Water Quality Control Board      Environmental Health Coalition

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Prioritized No	Category	Generalized Rank	Complexity	Score
21	Water Quality Objective	Medium	Low	81

### Issue Name

Water Quality Objectives by Water Body

### Issue Summary

Restructure Basin Plan Chapter 3 to organize the water quality objectives table by water body. This will allow Regional Board staff and members of the public to find all water quality objectives that apply to one waterbody all in one convenient location.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Administrative	Administrative	Administrative

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	21.41	\$1,631,834

### Issue Submitted By

California Regional Water Quality Control Board

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Prioritized No	Category	Generalized Rank	Complexity	Score
22	Implementation Plan	Medium	Medium	79

### Issue Name

Section 401 Water Quality Certification Policy and Procedures

### Issue Summary

Add policy for obtaining a Clean Water Act section 401 certification. Policy would provide minimum requirements for buffers, post-construction BMPs, minimum mitigation ratios and requirements, and definitions of controversial terms (e.g., restoration, creation, wetland habitat as mitigation versus BMP). Implement a watershed approach when issuing 401 and 404 permit certification to protect beneficial uses from habitat fragmentation. The impact of multiple large-scale developments and other watershed issues should be seriously considered throughout the entire hydrologic subarea prior to the Regional Board issuing a 401 or 404 certification to individual projects especially in the Carlsbad Hydrologic Unit, Agua Hedionda Creek drainage.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
1.77	\$135,028	1.03	\$78,309	2.79	\$213,337	23.18	\$1,766,862

### Issue Submitted By

California Regional Water Quality Control Board      UCSD Natural Reserve System

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## Prioritized 2004 Basin Plan Triennial Review Issue List

Prioritized No	Category	Generalized Rank	Complexity	Score
23	Beneficial Use	Medium	Medium	76

### Issue Name

Beneficial Use of San Diego Formation

### Issue Summary

Add endnote to Table 2-5 that identifies the San Diego Formation as a deep ground water aquifer with beneficial uses. Include a narrative description of the San Diego Formation with a map in Chapter 4, Groundwater Management of the Basin Plan. Re-evaluate water quality objectives in the Tijuana Valley Hydrologic Area 11.10 for the protection of usable ground waters at depth within the San Diego Formation.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
San Diego River	907.11	San Diego Formation ground water
Powerhouse Canyon	908.21	San Diego Formation ground water
Chollas Creek	908.22	San Diego Formation ground water
Seventh St. Channel	908.31	San Diego Formation ground water
Paradise Creek	908.32	San Diego Formation ground water
Telegraph Canyon	909.11	San Diego Formation ground water
Sweetwater River	909.12	San Diego Formation ground water
Otay River	910.20	San Diego Formation ground water
Tijuana River	911.11	San Diego Formation ground water

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
1.77	\$135,028	1.03	\$78,309	2.79	\$213,337	24.95	\$1,901,890

### Issue Submitted By

California Regional Water Quality Control Board 1998 Triennial Review

Prioritized No	Category	Generalized Rank	Complexity	Score
24	Water Quality Objective	Medium	High	74

### Issue Name

Water Quality Objective for Nutrients in Surface Waters

### Issue Summary

Develop water quality objectives for nutrients (nitrogen and phosphorous) which are protective of beneficial uses and reflective of natural conditions in 1) flowing waters, 2) lakes and reservoirs, 3) estuaries, and 4) wetlands. The nutrient criteria in the Basin Plan are based on national USEPA guidance and do not necessarily represent actual ambient San Diego Region nutrient levels in unimpaired streams. These levels are the products of regional geochemical processes that differ in varying degrees from similar processes elsewhere in the state and nation. Development of specific nutrient criteria will entail collection of existing data and a short-term, focused water quality sampling of rivers, streams and reservoirs to establish protective standards. During development of the nutrient water quality objectives, the appropriateness of the existing nitrate surface water quality objective will be evaluated. USEPA Region 9 strongly supports developing nutrient criteria that fully reflect localized conditions and protect beneficial uses.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
2.48	\$189,186	1.17	\$89,287	3.65	\$278,473	27.43	\$2,091,076

## Prioritized 2004 Basin Plan Triennial Review Issue List

### Issue Submitted By

California Regional Water Quality Control Board      Watermaster, Santa Margarita River Watershed  
 County of San Diego      USEPA Region 9

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<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
25	Water Quality Objective	Medium	High	73

### Issue Name

Water Quality Objective for Hydromodification

### Issue Summary

Add water quality objectives to regulate the impacts of hydromodification on hydrology. Hydrology is a critical determining factor in the support and attainment of COLD, WARM, WILD and RARE beneficial uses. Changes in stream and river hydrology can significantly alter the ability of habitat to support water quality essential to the beneficial uses (e.g. habitat for benthic macroinvertebrates, fish, amphibians, birds, and reptiles). Supporting text describing the issue and impacts should also be included.

### Watershed

Region-wide surface waters

### Hydrologic Unit

Region-wide surface waters

### Affected Waterbody(ies)

Region-wide surface waters

### Resource Estimations

#### Investigation

<b>PY</b>	<b>Dollars</b>
2.48	\$189,186

#### Amendment

<b>PY</b>	<b>Dollars</b>
1.17	\$89,287

#### Total

<b>PY</b>	<b>Dollars</b>
3.65	\$278,473

### Investigation

#### Running Sum

<b>PY</b>	<b>Dollars</b>
29.91	\$2,280,262

### Issue Submitted By

California Regional Water Quality Control Board

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<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
26	Water Quality Objective	Medium	High	72

### Issue Name

Index of Biotic Integrity (IBI)

### Issue Summary

Refine and calibrate the Index of Biotic Integrity (IBI) as draft biological criteria and incorporate the IBI into Regional Board regulatory actions. Biocriteria/bioassessment is an important tool for assessing the health of a water body and for managing water quality and protecting aquatic life in all water bodies. Consider eventual addition of water quality objectives based on IBI.

### Watershed

Region-wide surface waters

### Hydrologic Unit

Region-wide surface waters

### Affected Waterbody(ies)

Region-wide surface waters

### Resource Estimations

#### Investigation

<b>PY</b>	<b>Dollars</b>
2.48	\$189,186

#### Amendment

<b>PY</b>	<b>Dollars</b>
1.17	\$89,287

#### Total

<b>PY</b>	<b>Dollars</b>
3.65	\$278,473

### Investigation

#### Running Sum

<b>PY</b>	<b>Dollars</b>
32.39	\$2,469,448

### Issue Submitted By

California Regional Water Quality Control Board      USEPA Region 9

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## Prioritized 2004 Basin Plan Triennial Review Issue List

Prioritized No	Category	Generalized Rank	Complexity	Score
27	Implementation Plan	Medium	Medium	71

### Issue Name

Erosion and Sediment Control Policy

### Issue Summary

Update the Sediment and Erosion Control Policy in Chapter 4 of the Basin Plan to explain how turbidity standards are implemented, what measures are used to control turbidity when a standard is exceeded, and to reflect attainment of turbidity and clean sediment criteria as a clear goal.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

Resource Estimations					Investigation		
Investigation		Amendment		Total	Running Sum		
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
1.77	\$135,028	1.03	\$78,309	2.79	\$213,337	34.16	\$2,604,476

### Issue Submitted By

USEPA Region 9

Prioritized No	Category	Generalized Rank	Complexity	Score
28	Water Quality Objective	Medium	High	71

### Issue Name

Water Quality Objective for Floating Material

### Issue Summary

Update the water quality objective for floating material to also include materials that do not float.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

Resource Estimations					Investigation		
Investigation		Amendment		Total	Running Sum		
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
2.48	\$189,186	1.17	\$89,287	3.65	\$278,473	36.64	\$2,793,662

### Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
29	Implementation Plan	Medium	Low	70

### Issue Name

Watershed Management Chapter

### Issue Summary

Incorporate the Regional Board's Watershed Management Chapter into the Basin Plan by reference. The Watershed Management Chapter is intended to serve as the basis for developing internal program workplans and for prioritizing work to ensure that limited resources are directed towards the most important work.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface and ground waters	Region-wide surface and ground waters	Region-wide surface and ground waters

## Prioritized 2004 Basin Plan Triennial Review Issue List

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	36.98	\$2,819,497

### Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
30	Implementation Plan	Low	High	64

### Issue Name

Seasonal Opening of Coastal Lagoon Mouths

### Issue Summary

Add a regulatory policy on the seasonal opening of coastal lagoon mouths. The policy would establish guidance or criteria regarding the conditions under which lagoon mouths should be opened.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
San Onofre Creek	901.51	San Onofre Creek Mouth
San Mateo Creek	901.40	San Mateo Creek Mouth
San Juan Creek	901.27	San Juan Creek Mouth
Aliso Creek	901.13	Aliso Creek Mouth
Santa Margarita River	902.11	Santa Margarita Lagoon
San Luis Rey River	903.11	Mouth of San Luis Rey River
Loma Alta Creek	904.10	Loma Alta Slough
Buena Vista Creek	904.21	Buena Vista Lagoon
Agua Hedionda Creek	904.31	Agua Hedionda Lagoon
San Marcos Creek	904.51	Batiquitos Lagoon
San Dieguito River	905.11	San Dieguito Lagoon
San Dieguito River	905.61	San Elijo Lagoon
Los Penasquitos Creek	906.10	Los Penasquitos Lagoon
San Diego River	907.11	Mouth of San Diego River
Tijuana River	911.11	Tijuana River Estuary

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
2.48	\$189,186	1.17	\$89,287	3.65	\$278,473	39.46	\$3,008,683

### Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
31	Water Quality Objective	Low	High	62

### Issue Name

Water Quality Objective for Copper at Shelter Island Yacht Basin

### Issue Summary

Consider a site-specific water quality objective for copper in the Shelter Island Yacht Basin (SIYB). The Shelter Island Marina Owners and Operators are sponsoring a study to collect data in support of this issue.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Unnamed Intermittal Coastal Streams	908.10	Shelter Island Yacht Basin

## Prioritized 2004 Basin Plan Triennial Review Issue List

Resource Estimations		Investigation		Total		Running Sum	
Investigation		Amendment					
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
2.48	\$189,186	1.17	\$89,287	3.65	\$278,473	41.94	\$3,197,869

### Issue Submitted By

Shelter Island Marina Owners and Operators

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Prioritized No	Category	Generalized Rank	Complexity	Score
32	Beneficial Use	Low	Medium	61

### Issue Name

Beneficial Use Ground Water Recharge (GWR) in the San Luis Rey River Watershed

### Issue Summary

Add ground water recharge as a beneficial use in the San Luis Rey River Watershed.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
San Luis Rey River	903.00	San Luis Rey River

Resource Estimations		Investigation		Total		Running Sum	
Investigation		Amendment					
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
1.77	\$135,028	1.03	\$78,309	2.79	\$213,337	43.71	\$3,332,897

### Issue Submitted By

City of Oceanside San Luis Rey Municipal Water District

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Prioritized No	Category	Generalized Rank	Complexity	Score
33	Implementation Plan	Low	High	56

### Issue Name

General Stream Flow Diversion and In-Stream Treatment Policy

### Issue Summary

Add a policy on low flow stream diversion discharges to a sanitary sewer collection system, and for instream treatment facilities during dry weather flow conditions. The policy would describe the requirements for low flow stream diversion discharges to a sanitary sewer and the requirements for instream treatment facilities.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

Resource Estimations		Investigation		Total		Running Sum	
Investigation		Amendment					
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
2.48	\$189,186	1.17	\$89,287	3.65	\$278,473	46.19	\$3,522,083

### Issue Submitted By

California Regional Water Quality Control Board

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## Prioritized 2004 Basin Plan Triennial Review Issue List

Prioritized No	Category	Generalized Rank	Complexity	Score
34	Implementation Plan	Low	Medium	51

### Issue Name

Constructed Wetlands Policy

### Issue Summary

Add a Constructed Wetlands Policy to the Basin Plan that clarifies the applicability of water quality objectives to natural and constructed wetlands. The policy would specify circumstances under which water quality standards would apply to constructed wetlands and specify when and where wetland BMPs may be constructed. The policy would clarify the distinctions between natural and constructed wetlands.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

Resource Estimations					Investigation		
Investigation		Amendment		Total	Running Sum		
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
1.77	\$135,028	1.03	\$78,309	2.79	\$213,337	47.96	\$3,657,111

### Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
35	Water Quality Objective	Low	Medium	44

### Issue Name

Total Dissolved Solids (TDS) Water Quality Objectives for the Santa Margarita Hydrologic Unit

### Issue Summary

Evaluate TDS water quality objectives downstream of Murrieta Creek in the Santa Margarita Hydrologic Unit. In 1990 the Regional Board relaxed the TDS water quality objectives for ground and surface waters for portions of the Santa Margarita Hydrologic Unit, with the understanding that a Reverse Osmosis (RO) treatment facility would be built further downstream to remove the added TDS. Plans to build the RO facility no longer exist. Therefore, water quality objectives need to be re-evaluated and restored to a level protective of beneficial uses.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Santa Margarita River	902.00	Santa Margarita River

Resource Estimations					Investigation		
Investigation		Amendment		Total	Running Sum		
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
1.77	\$135,028	1.03	\$78,309	2.79	\$213,337	49.73	\$3,792,139

### Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
36	Other	Low	Low	42

### Issue Name

Basin Plan Introduction

### Issue Summary

Update and revise Chapter 1 of the Basin Plan to improve utility and reflect current conditions, priorities and regulations applicable to the San Diego Region.

## Prioritized 2004 Basin Plan Triennial Review Issue List

**Watershed**  
Administrative

**Hydrologic Unit**  
Administrative

**Affected Waterbody(ies)**  
Administrative

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	50.07	\$3,817,974

### Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
37	Water Quality Objective	Low	Low	40

### Issue Name

California Toxic Rule

### Issue Summary

Reference the California Toxics Rule (CTR) in Chapter 3 of the Basin Plan. Add SWRCB Policy for Implementation of CTR to Chapter 5. The Basin Plan should make clear that the CTR criteria for priority pollutants (USEPA 2000) are applicable to all inland surface waters, and enclosed bays and estuaries in the San Diego Region. The Basin Plan should also include a discussion of the "Policy for Implementation of Toxic Standards for Inland Surface Waters, Enclosed Bays and Estuaries of California" (a.k.a. SWRCB Implementation Plan or SIP).

**Watershed**  
Region-wide surface waters

**Hydrologic Unit**  
Region-wide surface waters

**Affected Waterbody(ies)**  
Region-wide surface waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	50.41	\$3,843,809

### Issue Submitted By

Sierra Club

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
38	Implementation Plan	Low	Low	39

### Issue Name

Assimilative Capacity and Mixing Zones

### Issue Summary

Revise and expand Basin Plan discussion on assimilative capacity (ground water) and mixing zones (surface waters). Basin Plan language should clearly define when and where ground water assimilative capacity and surface water mixing zones are applied. This discussion will provide clear direction to dischargers on allowable discharges. The assimilative capacity discussion (Basin Plan page 4-9) should also cite Section 1.4.2 of SWRCB Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California, Phase I.

**Watershed**  
Region-wide surface and ground waters

**Hydrologic Unit**  
Region-wide surface and ground waters

**Affected Waterbody(ies)**  
Region-wide surface and ground waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	50.75	\$3,869,644

## Prioritized 2004 Basin Plan Triennial Review Issue List

### Issue Submitted By

California Regional Water Quality Control Board    Sierra Club  
Comm. Navy Reg. SW Environ. Water Prog Mgr

<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
39	Implementation Plan	Low	Low	38

### Issue Name

Cleanup and Abatement Policy

### Issue Summary

Update the Cleanup and Abatement Policy to reflect new laws concerning cleanup and abatement options (e.g. brownfields legislation, electronic reporting requirements for underground storage tanks, etc.).

### Watershed

Region-wide surface and ground waters

### Hydrologic Unit

Region-wide surface and ground waters

### Affected Waterbody(ies)

Region-wide surface and ground waters

### Resource Estimations

#### Investigation

<b>PY</b>	<b>Dollars</b>
0.34	\$25,835

#### Amendment

<b>PY</b>	<b>Dollars</b>
0.61	\$46,473

#### Total

<b>PY</b>	<b>Dollars</b>
0.95	\$72,308

### Investigation

#### Running Sum

<b>PY</b>	<b>Dollars</b>
51.09	\$3,895,479

### Issue Submitted By

California Regional Water Quality Control Board

<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
40	Beneficial Use	Low	High	37

### Issue Name

Potential Versus Existing Beneficial Uses

### Issue Summary

Evaluate beneficial uses currently designated as "potential." To the extent that a beneficial use currently designated as "potential" is actually occurring in a waterbody, consider updating the beneficial use designation of that waterbody from "potential" to "existing." Investigate all surface waters that have designated potential uses. In the beneficial use tables replace open bullets with "P" for potential use and closed bullets with "E" for existing use.

### Watershed

Region-wide surface waters

### Hydrologic Unit

Region-wide surface waters

### Affected Waterbody(ies)

Region-wide surface waters

### Resource Estimations

#### Investigation

<b>PY</b>	<b>Dollars</b>
0.34	\$25,835

#### Amendment

<b>PY</b>	<b>Dollars</b>
0.61	\$46,473

#### Total

<b>PY</b>	<b>Dollars</b>
0.95	\$72,308

### Investigation

#### Running Sum

<b>PY</b>	<b>Dollars</b>
51.43	\$3,921,314

### Issue Submitted By

California Regional Water Quality Control Board

## Prioritized 2004 Basin Plan Triennial Review Issue List

Prioritized No	Category	Generalized Rank	Complexity	Score
41	Implementation Monitoring Strategy	Low	Low	36

### Issue Name

SWAMP Narrative

### Issue Summary

Update the Basin Plan to recognize the Surface Water Ambient Monitoring Program (SWAMP). Add narrative text to describe this program.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide inland surface waters	Region-wide inland surface waters	Region-wide inland surface waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	51.77	\$3,947,149

### Issue Submitted By

California Regional Water Quality Control Board

Prioritized No	Category	Generalized Rank	Complexity	Score
42	Implementation Plan	Low	Medium	35

### Issue Name

Precautionary Principle

### Issue Summary

Include a "Precautionary Principal" in the Basin Plan as a policy for making decisions to protect water quality. When an activity raises threats of harm to human health or the environment, precautionary measures should be taken, even if some cause and effect relationships are not fully established scientifically.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface and ground waters	Region-wide surface and ground waters	Region-wide surface and ground waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
1.77	\$135,028	1.03	\$78,309	2.79	\$213,337	53.54	\$4,082,177

### Issue Submitted By

Environmental Health Coalition

Prioritized No	Category	Generalized Rank	Complexity	Score
43	Beneficial Use	Low	High	30

### Issue Name

Designation of South San Diego Bay as an Area of Special Biological Significance (ASBS)

### Issue Summary

Evaluate south San Diego Bay to determine if it should be designated as an Area of Special Biological Significance (ASBS).

## Prioritized 2004 Basin Plan Triennial Review Issue List

Watershed	Hydrologic Unit	Affected Waterbody(ies)
San Diego Bay		
Sweetwater River	909.00	Sweetwater River
Otay River	910.00	Otay River

Resource Estimations			Investigation				
Investigation	Amendment	Total	Running Sum				
PY	Dollars	PY	Dollars	PY	Dollars		
1.77	\$135,028	1.03	\$78,309	2.79	\$213,337	55.31	\$4,217,205

**Issue Submitted By**  
Environmental Health Coalition

Prioritized No	Category	Generalized Rank	Complexity	Score
44	Beneficial Use	Low	High	21

**Issue Name**  
Beneficial Uses Designated in Chollas Creek

**Issue Summary**  
Remove current designated beneficial uses for Chollas Creek. The current WILD and WARM designations are not supported by evidence. Evaluate the designation of potential REC1 and REC2 for areas that are channelized.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Chollas Creek	908.22	Chollas Creek
San Diego Bay		

Resource Estimations			Investigation				
Investigation	Amendment	Total	Running Sum				
PY	Dollars	PY	Dollars	PY	Dollars		
1.77	\$135,028	1.03	\$78,309	2.79	\$213,337	57.08	\$4,352,233

**Issue Submitted By**  
City of San Diego

Prioritized No	Category	Generalized Rank	Complexity	Score
45	Beneficial Use	Low	High	16

**Issue Name**  
Beneficial Uses of Shallow "Urban" Groundwater

**Issue Summary**  
Consider removal of beneficial uses for shallow, brackish, "urban" groundwater (that does not meet the definition of an aquifer) and endorse brownfields redevelopment tools.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide ground waters	Region-wide ground waters	Region-wide ground waters

Resource Estimations			Investigation				
Investigation	Amendment	Total	Running Sum				
PY	Dollars	PY	Dollars	PY	Dollars		
2.48	\$189,186	1.17	\$89,287	3.65	\$278,473	59.56	\$4,541,419

**Issue Submitted By**  
Environmental Business Solutions

## Prioritized 2004 Basin Plan Triennial Review Issue List

Prioritized No	Category	Generalized Rank	Complexity	Score
46	Beneficial Use	Low	Medium	10

### Issue Name

Beneficial Uses along the Southern Boundary of the Salt Creek Area

### Issue Summary

Extend the southern boundary of the Salt Creek Area to encompass the adjacent site of the former Omar Class I waste facility. This would remove beneficial uses over a larger area as described in Resolution No. 88-49. Resolution 88-49 amended the Basin Plan by deleting beneficial use designations other than for industrial use, for a portion of the Salt Creek Area within the Otay Hydrologic Area (910.20) limited to lands within and tributary to Salt Creek and Poggi Canyon utilizing a 3,000 mg/l TDS contour.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Otay River	910.20	Salt Creek

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
1.77	\$135,028	1.03	\$78,309	2.79	\$213,337	61.33	\$4,676,447

### Issue Submitted By

Otay Mesa Ventures II, LLC

Prioritized No	Category	Generalized Rank	Complexity	Score
47	Beneficial Use	Low	High	9

### Issue Name

Beneficial Uses of Loveland and Sweetwater Reservoirs

### Issue Summary

Remove REC-1 beneficial uses from Loveland and Sweetwater Reservoirs. Change REC-2 for Sweetwater Reservoir from existing to potential.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
2.48	\$189,186	1.17	\$89,287	3.65	\$278,473	63.81	\$4,865,633

### Issue Submitted By

Sweetwater Authority

Prioritized No	Category	Generalized Rank	Complexity	Score
48	Implementation Plan	Low	Low	5

### Issue Name

Desalination Plants

### Issue Summary

Identify seawater desalination plants as sources of industrial wastes in the Basin Plan. Evaluate the potential harm and/or destruction of marine life by the intake structure and possible degradation of the ocean waters by the disposed brine waste.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
San Onofre Creek	901.51	San Onofre Creek Mouth
San Mateo Creek	901.40	San Mateo Creek Mouth

## Prioritized 2004 Basin Plan Triennial Review Issue List

San Juan Creek	901.27	San Juan Creek Mouth
Aliso Creek	901.13	Aliso Creek Mouth
Santa Margarita River	902.11	Santa Margarita Lagoon
San Luis Rey River	903.11	Mouth of San Luis Rey River
Loma Alta Creek	904.10	Loma Alta Slough
Buena Vista Creek	904.21	Buena Vista Lagoon
Agua Hedionda Creek	904.31	Agua Hedionda Lagoon
San Marcos Creek	904.51	Batiquitos Lagoon
San Dieguito River	905.11	San Dieguito Lagoon
San Dieguito River	905.61	San Elijo Lagoon
Los Penasquitos Creek	906.10	Los Penasquitos Lagoon
San Diego River	907.11	Mouth of San Diego River
Tijuana River	911.11	Tijuana River Estuary

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
0.34	\$25,835	0.61	\$46,473	0.95	\$72,308	64.15	\$4,891,468

### Issue Submitted By

Sierra Club

Prioritized No	Category	Generalized Rank	Complexity	Score
49	WQTMDL	Removed		0

### Issue Name

Total Maximum Daily Load (TMDL) in Laguna Canyon, Aliso, Salt, and San Juan Creeks

### Issue Summary

Develop TMDLs to protect continued uses of Laguna Canyon, Aliso, Salt, and San Juan Creeks for contact recreation (REC-1) and continue listing them with REC-1 beneficial use.

Watershed	Hydrologic Unit	Affected Waterbody(ies)
Aliso Creek	901.13	Aliso, Salt and San Juan Creeks

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
						64.15	\$4,891,468

### Issue Submitted By

Clean Water Now

Prioritized No	Category	Generalized Rank	Complexity	Score
50	Implementation Monitoring Strategy	Removed		0

### Issue Name

Interactive Database System with GIS Component for San Diego Ambient Monitoring Program (SDAMP)

### Issue Summary

Implement an interactive database system with GIS component as an electronic warehouse for ambient and discharge monitoring data. It could be used to develop a San Diego Ambient Monitoring Program (SDAMP) for managing coastal and wetland/riparian monitoring data within a whole watershed framework that can accommodate citizen monitoring and

## Prioritized 2004 Basin Plan Triennial Review Issue List

professional monitoring data. The Central Coast Ambient Monitoring Program (CCAMP) software should be adapted and implemented in San Diego.

**Watershed**  
Region-wide surface waters

**Hydrologic Unit**  
Region-wide surface waters

**Affected Waterbody(ies)**  
Region-wide surface waters

**Resource Estimations**

<b>Investigation</b>		<b>Amendment</b>		<b>Total</b>		<b>Investigation</b>	
<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>
						64.15	\$4,891,468

**Issue Submitted By**  
San Elijo Lagoon Conservancy      California Regional Water Quality Control Board

<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
51	Implementation Plan	Removed		0

**Issue Name**  
Electronic tracking system for 401 and 404 Permit Certification

**Issue Summary**  
Utilize an electronic system with a GIS component to implement a watershed approach when issuing 401 and 404 permit certification. The impact of multiple large-scale developments and other watershed issues should be seriously considered throughout the entire hydrologic subarea prior to the Regional Board issuing a 401 or 404 certification to individual projects.

**Watershed**  
Region-wide surface waters

**Hydrologic Unit**  
Region-wide surface waters

**Affected Waterbody(ies)**  
Region-wide surface waters

**Resource Estimations**

<b>Investigation</b>		<b>Amendment</b>		<b>Total</b>		<b>Investigation</b>	
<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>
						64.15	\$4,891,468

**Issue Submitted By**  
UCSD Natural Reserve System

<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
52	Implementation Discharge Prohibition	Removed		0

**Issue Name**  
Waste Discharge Requirement Policy - Waiver #4

**Issue Summary**  
Remove waiver #4 in Table 4-4 to prohibit discharge of Recreational Vehicle (RV) wastes into septic sewerage systems at campgrounds. Evaluate how waiver #4 addresses RV holding tank treatment chemicals (particularly formaldehydes). Evaluate the affect RV holding tank treatment chemicals have on the performance of campgrounds wastewater package plants.

**Watershed**  
Region-wide ground waters

**Hydrologic Unit**  
Region-wide ground waters

**Affected Waterbody(ies)**  
Region-wide ground waters

**Resource Estimations**

<b>Investigation</b>		<b>Amendment</b>		<b>Total</b>		<b>Investigation</b>	
<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>
						64.15	\$4,891,468

## Prioritized 2004 Basin Plan Triennial Review Issue List

### Issue Submitted By

Sierra Club

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<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
53	Water Quality Objective	Removed		0

### Issue Name

Water Quality Objective for Flow

### Issue Summary

Add water quality objectives for flow into the Basin Plan.

### Watershed

Region-wide surface waters

### Hydrologic Unit

Region-wide surface waters

### Affected Waterbody(ies)

Region-wide surface waters

### Resource Estimations

#### Investigation

**PY**      **Dollars**

#### Amendment

**PY**      **Dollars**

#### Total

**PY**      **Dollars**

### Investigation

#### Running Sum

**PY**      **Dollars**  
64.15      \$4,891,468

### Issue Submitted By

California Regional Water Quality Control Board

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<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
54	Water Quality Objective	Removed		0

### Issue Name

Water Quality Objectives for Invasive Species

### Issue Summary

Add water quality objectives for invasive species to protect beneficial uses. Invasive species are a significant and ever-increasing threat to the beneficial uses of the San Diego Region. The development of narrative or numeric water quality objectives for invasive species is needed to protect beneficial uses throughout the Region.

### Watershed

Region-wide surface waters

### Hydrologic Unit

Region-wide surface waters

### Affected Waterbody(ies)

Region-wide surface waters

### Resource Estimations

#### Investigation

**PY**      **Dollars**

#### Amendment

**PY**      **Dollars**

#### Total

**PY**      **Dollars**

### Investigation

#### Running Sum

**PY**      **Dollars**  
64.15      \$4,891,468

### Issue Submitted By

California Regional Water Quality Control Board

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<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
55	Water Quality Objective	Removed		0

### Issue Name

Water Quality Objective for Fish Tissue

### Issue Summary

Add water quality objectives for pollutant levels in fish tissue (based on MTRs, FDS Action Levels, USEPA Screening Values). Add text to the Basin Plan describing the significance of tissue levels and the available criteria and screening levels that the Regional Board currently uses. USEPA Region 9 supports adding a water quality objective for fish tissue and subsistence fishing.

## Prioritized 2004 Basin Plan Triennial Review Issue List

**Watershed**  
Region-wide surface waters

**Hydrologic Unit**  
Region-wide surface waters

**Affected Waterbody(ies)**  
Region-wide surface waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
						64.15	\$4,891,468

### Issue Submitted By

California Regional Water Quality Control Board      USEPA Region 9

Prioritized No	Category	Generalized Rank	Complexity	Score
56	Implementation Discharge Prohibition	Removed		0

### Issue Name

Prohibition of Recreational Vehicle (RV) Wastes into Campground Septic Systems

### Issue Summary

Prohibit disposal of RV wastes into septic systems and update Chapter 4 to comply with the USEPA Underground Injection Control Program (large scale septic systems) and the Safe Drinking Water Act.

**Watershed**  
Aliso Creek

**Hydrologic Unit**  
901.13

**Affected Waterbody(ies)**  
Laguna Canyon, Aliso, Salt and San Juan Creeks

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
						64.15	\$4,891,468

### Issue Submitted By

Sierra Club

Prioritized No	Category	Generalized Rank	Complexity	Score
57	Implementation Plan	Removed		0

### Issue Name

Environmental Justice Policy

### Issue Summary

Develop an Environmental Justice Policy to address the fair treatment of people of all races, cultures, and incomes with respect to the development, adoption, implementation, and enforcement of environmental laws, regulations, or policies. (Senate Bill 115, Solis, 1999; California Government Code Section 65040.12(c).

**Watershed**  
Region-wide surface and ground waters

**Hydrologic Unit**  
Region-wide surface and ground waters

**Affected Waterbody(ies)**  
Region-wide surface and ground waters

### Resource Estimations

Investigation		Amendment		Total		Investigation Running Sum	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
						64.15	\$4,891,468

## Prioritized 2004 Basin Plan Triennial Review Issue List

### Issue Submitted By

Environmental Health Coalition

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<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
58	Beneficial Use	Removed		0

### Issue Name

Beneficial Uses in the Santa Margarita Hydrologic Unit

### Issue Summary

Evaluate appropriateness and consider the removal of COLD and SPWN as beneficial uses in the Santa Margarita Hydrologic Unit (902.00) since natural temperature and low flow conditions prevent attainment of those uses.

<b>Watershed</b>	<b>Hydrologic Unit</b>	<b>Affected Waterbody(ies)</b>
Santa Margarita River	902.10, 902.20	Santa Margarita River

### Resource Estimations

<b>Investigation</b>		<b>Amendment</b>		<b>Total</b>		<b>Investigation</b>	
<b>Running Sum</b>						<b>Running Sum</b>	
<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>
						64.15	\$4,891,468

### Issue Submitted By

Watermaster, Santa Margarita River Watershed

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<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
59	Water Quality Objective	Removed		0

### Issue Name

Water Quality Objectives for Seasonal Flow Conditions

### Issue Summary

Incorporate seasonal flow conditions into water quality objectives, setting different objectives for high and low flow conditions.

<b>Watershed</b>	<b>Hydrologic Unit</b>	<b>Affected Waterbody(ies)</b>
Region-wide surface waters	Region-wide surface waters	Region-wide surface waters

### Resource Estimations

<b>Investigation</b>		<b>Amendment</b>		<b>Total</b>		<b>Investigation</b>	
<b>Running Sum</b>						<b>Running Sum</b>	
<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>
						64.15	\$4,891,468

### Issue Submitted By

County of Orange

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<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
60	Water Quality Objective	Removed		0

### Issue Name

Factors Listed in California Water Code Section 13241

### Issue Summary

Re-evaluate all current water quality objectives using factors listed under California Water Code Section 13241. All of the factors, particularly economic considerations and the need for housing, may not have been evaluated during the development of the water quality standards. The Regional Board may not have considered the Section 13241 factors for the current situation where the standards are being used to regulate nonpoint sources and Municipal Separate Storm Sewer System dischargers, a change of circumstances that certainly would affect economic considerations, at a minimum.

## Prioritized 2004 Basin Plan Triennial Review Issue List

<b>Watershed</b>		<b>Hydrologic Unit</b>		<b>Affected Waterbody(ies)</b>	
Region-wide surface and ground waters		Region-wide surface and ground waters		Region-wide surface and ground waters	
<b>Resource Estimations</b>					
<b>Investigation</b>		<b>Amendment</b>		<b>Total</b>	
<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>
				<b>PY</b>	<b>Dollars</b>
				64.15	\$4,891,468
<b>Investigation Running Sum</b>					
<b>Issue Submitted By</b>					
Construction Industry Coalition on Water Quality			County of Orange		

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<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
61	Beneficial Use	Removed		0

### Issue Name

Procedures for Beneficial Use Designation and Dedsignation

### Issue Summary

Establish procedures for identifying and removing beneficial use designations that are nonexistent or possibly unattainable. Develop criteria for appropriately designating beneficial uses to reflect actual and intended uses. Clarify the term "potential use" and correct inappropriate designations.

<b>Watershed</b>		<b>Hydrologic Unit</b>		<b>Affected Waterbody(ies)</b>	
Region-wide surface and ground waters		Region-wide surface and ground waters		Region-wide surface and ground waters	
<b>Resource Estimations</b>					
<b>Investigation</b>		<b>Amendment</b>		<b>Total</b>	
<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>
				<b>PY</b>	<b>Dollars</b>
				64.15	\$4,891,468
<b>Investigation Running Sum</b>					
<b>Issue Submitted By</b>					
City of El Cajon			Industrial Environmental Association		
Construction Industry Coalition on Water Quality					

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<b>Prioritized No</b>	<b>Category</b>	<b>Generalized Rank</b>	<b>Complexity</b>	<b>Score</b>
62	Water Quality Objective	Removed		0

### Issue Name

Non-Point Source Water Quality Objectives

### Issue Summary

Re-evaluate all water quality objectives and add water quality objectives that are specific to non-point source discharges (i.e. stormwater) considering natural factors and seasonality.

<b>Watershed</b>		<b>Hydrologic Unit</b>		<b>Affected Waterbody(ies)</b>	
Region-wide surface waters		Region-wide surface waters		Region-wide surface waters	
<b>Resource Estimations</b>					
<b>Investigation</b>		<b>Amendment</b>		<b>Total</b>	
<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>	<b>PY</b>	<b>Dollars</b>
				<b>PY</b>	<b>Dollars</b>
				64.15	\$4,891,468
<b>Investigation Running Sum</b>					
<b>Issue Submitted By</b>					
Construction Industry Coalition on Water Quality					

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## Prioritized 2004 Basin Plan Triennial Review Issue List

### Resource Estimations for All Basin Plan Issues

Investigation		Amendment		Total Expenditure		Total Resource Deficit	
PY	Dollars	PY	Dollars	PY	Dollars	PY	Dollars
64.15	\$4,891,468.00	41.6	\$3,176,637.00	105.7	\$8,068,105.00	-100.66	(\$7,680,697.00)

## 2004 Basin Plan Triennial Issues <sup>1</sup>

2004 Issue Name	2004 Issue No.	2004 General Rank <sup>3</sup>
<b>Beneficial Use</b>		
<del>Unnamed or Unidentified Waterbodies and Table Corrections (Complete)</del> <sup>2</sup>	3	H
Beneficial Uses for a REC-1 Subcategory	12	H
Beneficial Use RARE - Threatened and Endangered Species in Vernal Pools	18	M
Beneficial Use Designations for RARE, BIOL, SPWN & MIGR	19	M
Beneficial Use of San Diego Formation	23	M
Beneficial Use Ground Water Recharge (GWR) in San Luis Rey Watershed	32	L
Potential Versus Existing Beneficial Uses	40	L
Designation of South S.D. Bay as an Area of Special Biological Significance	43	L
Beneficial Uses Designated in Chollas Creek	44	L
Beneficial Uses of Shallow "Urban" Groundwater	45	L
Beneficial Uses along the Southern Boundary of the Salt Creek Area	46	L
Beneficial Uses of Loveland and Sweetwater Reservoirs	47	L
Beneficial Uses in the Santa Margarita Hydrologic Unit	58	
Procedures for Beneficial Use Designation and Dedsignation	61	
<b>Water Quality Objective</b>		
Source or Criteria for Water Quality Objectives ( <i>In progress</i> ) <sup>2</sup>	5	H
Water Quality Objectives for Bacteria Indicators ( <i>In progress</i> ) <sup>2</sup>	7	H
Dissolved Oxygen Water Quality Objective in Surface Waters	9	M
Water Quality Objective for Nitrate in Ground Water	10	M
Total Dissolved Solids (TDS) Management Plan and Water Quality Objective for Chloride	11	M
Copper and Lead Maximum Contaminant Level (MCL)	13	M
Water Quality Objective for Chlorine	16	M
Water Quality Objective for Fluoride	17	M
Water Quality Objectives by Water Body	21	M
Water Quality Objective for Nutrients in Surface Waters	24	M
Water Quality Objective for Hydromodification	25	M
Index of Biotic Integrity (IBI)	26	M
Water Quality Objective for Floating Material	28	M
Water Quality Objective for Copper at Shelter Island Yacht Basin	31	L
Total Dissolved Solids (TDS) Water Quality Objectives for the Santa Margarita Hydrologic Unit	35	L
California Toxic Rule	37	L
Water Quality Objective for Flow	53	
Water Quality Objectives for Invasive Species	54	
Water Quality Objective for Fish Tissue	55	
Water Quality Objectives for Seasonal Flow Conditions	59	
Factors Listed in California Water Code Section 13241	60	
Non-Point Source Water Quality Objectives	62	

2004 Issue Name	2004 Issue No.	2004 General Rank <sup>3</sup>
<b>Implementation Plan</b>		
Onsite Sewage Treatment System Regulations ( <i>In progress</i> ) <sup>2</sup>	2	H
Compliance Time Schedules in NPDES Permits ( <i>Complete</i> ) <sup>2</sup>	6	H
Essential Text Updates	8	H
Potable Water Releases to Land	14	M
Erosion and Sediment Control Policy	27	M
Watershed Management Chapter	29	M
Seasonal Opening of Coastal Lagoon Mouths	30	L
Assimilative Capacity and Mixing Zones	38	L
Cleanup and Abatement Policy	39	L
Precautionary Principle	42	L
Desalination Plants	48	L
Total Maximum Daily Load (TMDL) in Laguna Canyon, Aliso, Salt, and San Juan Creeks	49	
Interactive Database System with GIS Component for San Diego Ambient Monitoring Program (SDAMP)	50	
Electronic tracking system for 401 and 404 Permit Certification	51	
Waste Discharge Requirement Policy - Waiver #4	52	
Prohibition of Recreational Vehicle (RV) Wastes into Campground Septic Systems	56	
Environmental Justice Policy	57	
<b>Plans and Policies</b>		
Pollution Prevention Policy	20	M
Section 401 Water Quality Certification Policy and Procedures	22	M
Stream Flow Diversion and In-Stream Treatment Policy	33	L
Constructed Wetlands Policy	34	L
<b>Surveillance and Monitoring</b>		
SWAMP Narrative	41	L
<b>Other</b>		
Electronic Format of Basin Plan ( <i>Complete</i> ) <sup>2</sup>	1	H
Basin Plan Map ( <i>In progress</i> ) <sup>2</sup>	4	H
Department of Water Resources Ground Water Basin Map	15	M
Basin Plan Introduction	36	L

<sup>1</sup> For a summary of each issue, see the 2004 Triennial Review Issue List at:  
[http://www.waterboards.ca.gov/sandiego/water\\_issues/programs/basin\\_plan/docs/triennial\\_review/appndxb082404.pdf](http://www.waterboards.ca.gov/sandiego/water_issues/programs/basin_plan/docs/triennial_review/appndxb082404.pdf)

<sup>2</sup> This issue was on the 2004 Triennial Review priority list of issues (Resolution R9-2004-0156). For a more detailed description of this issue's status, see:  
[http://www.waterboards.ca.gov/sandiego/water\\_issues/programs/basin\\_plan/docs/triennial\\_review/Status\\_of\\_2004\\_Issues.pdf](http://www.waterboards.ca.gov/sandiego/water_issues/programs/basin_plan/docs/triennial_review/Status_of_2004_Issues.pdf)

<sup>3</sup> General Rank (priority): High (H), Medium (M), Low (L). A blank cell indicates that the issue was removed from consideration via the screening process.



# 2009 Basin Plan Triennial Review

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Public Workshop  
San Diego Regional Board  
December 8, 2008

*Presented by*  
Deborah Woodward, Ph.D.  
Water Quality Standards Unit



# Agenda

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Opening remarks by John Robertus

Overview of Triennial Review

Questions/Comments



## Basin Plan

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- “Water Quality Control Plan for the San Diego Basin (9)”
- Foundation for the San Diego Regional Board water quality regulatory programs
- Latest version includes amendments effective prior to April 25, 2007:  
[http://www.waterboards.ca.gov/san diego/](http://www.waterboards.ca.gov/san_diego/)



# Why do a Triennial Review?

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- State law requires that water quality control plans be reviewed periodically [CWC §13240]
- Federal law requires that water quality standards be reviewed every three years [CWA §303(c)(1)]



# What is a Triennial Review?

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- Process to identify and prioritize issues that require Basin Plan amendments
- Process that results in a Regional Board Resolution adopting a priority list of issues to address in the subsequent three year period



# A Triennial Review is NOT...

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- A Basin Plan Amendment



# Past Triennial Reviews

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- 2004 Triennial Review
  - Resolution No. R9-2004-0156 with 7 issues
- 1998 Triennial Review
  - Resolution No. 98-221 with 20 issues
- 1994 Major Update



# Process

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1. **Public Comment Solicitation Period**  
Solicitation Period opened: Oct 31, 2008  
Workshop 1: Dec 8, 2008  
Solicitation Period ends: Jan 9, 2009
2. **Issue Formulation**  
Issue summaries and resource estimates
3. **Issue Prioritization**  
Priority issues for next three years



## Process (cont.)

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4. **Public Review of Draft Documents**  
Draft Staff Report, Draft Resolution  
Public Workshop 2
5. **Public Review of Revised Documents**  
Revised Staff Report, Tentative Resolution  
Response to Comments document
6. **Adoption Hearing**  
Board considers Resolution with priority list



# Issue Prioritization

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➤ Why?

- More issues than PYs to address them
- Currently ~2 PYs per year available
- 2004 Triennial Review identified 53 years of work (106 PYs)

➤ How?

- Rank issues based on set of criteria



## Issue Prioritization (cont.)

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Note: Criteria are under development

A. Screening considerations

- Conflict with state or federal statutes
- Fall under purview of another agency
- Have been (or are being) addressed
- Do not need a Basin Plan amendment
- Require a TMDL (other funds, process)



## Issue Prioritization (cont.)

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### B. Primary considerations

- ✓ Restore and maintain the chemical, physical, and biological integrity of Region's waters
- ✓ Improve effectiveness of RB regulatory programs to preserve, enhance, and restore Region's waters
- ✓ Address RB, State Board, and USEPA priorities
- ✓ Address State Board or USEPA Mandates



## Issue Prioritization (cont.)

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### c. Additional considerations

- ✓ Strength of argument
- ✓ Geographic Scope
- ✓ Public support
- ✓ Resources invested
- ✓ Resources available



# Timeline

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Deadline for Comments	<b>January 9, 2009 at 5:00</b>
Draft Documents available for Public Review	~March – April 2009
Public Workshop 2	~mid-March 2009
Revised Documents and Response to Comments available for Public Review	~May 2009
Adoption Hearing	~June 10, 2009



# 2009 Triennial Review Issues

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- 2004 Triennial Review Issues
  - 62 issues (see handout)
  - All will be re-evaluated based on 2009 ranking criteria
- New Issues
  - From comments received during solicitation period



# Issues Submitted by RB Staff

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*Note: This is an un-prioritized, preliminary list only.*

- **Beneficial Uses (BUs)**
  - Develop BUs for wetlands
  - Add reference approach to shellfishing BU
  - Develop BUs for San Diego Formation
  
- **Water Quality Objectives (WQOs)**
  - Develop WQOs for wetlands
  - Develop WQOs for biological communities (narrative biocriteria)
  - Develop WQOs for flow & hydrodmodification



## Issues Submitted by RB Staff (con't)

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➤ Plans & Policies

- Develop 401 WQ Certification Policy
- Develop Subsurface Disposal Exemption Policy
- Add statewide Compliance Schedule Policy

➤ Other

- Update Monitoring & Surveillance Chapter
- Rewrite bacteria WQOs section
- Present WQOs by water body
- Add approved TMDLs / move TMDLs to appendix
- Add numeric section titles throughout



# Comment Submittal

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Comments must be received by  
**Jan 9, 2009 at 5:00 p.m.**

Use of Comment Submittal  
Form is encouraged  
(available on web)



## Send Comments via:

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Email: [RB9\\_tri\\_review@waterboards.ca.gov](mailto:RB9_tri_review@waterboards.ca.gov)

Surface:

Regional Water Quality Control Board,  
San Diego Region  
9174 Sky Park Court, Suite 100,  
San Diego, CA 92123-4340

Fax: (858) 571-6972


\*Please include "Triennial Review" in subject line



## Useful Resources

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- See SD Regional Board website:  
<http://www.waterboards.ca.gov/sandiego/>  
(click "Basin Plan" and scroll to "Triennial Review")
- Subscribe to "Basin Planning Issues"  
Electronic Mailing List:  
(click "Email Subscriptions" on screen left)



# Thank you for your interest in the 2009 Triennial Review

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# Questions and Comments

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