

## **Preliminary Draft 2003 Triennial Review Basin Plan Issue List (Unprioritized)**

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### **IMPORTANT NOTE:**

*This document is a “first cut” preliminary draft list of issues that may be considered during the 2003 Triennial Review of the Basin Plan. At this point in time, the list contains only those issues identified during the 1998 Triennial Review and by Regional Board staff. Some of the issues represent very preliminary ideas that have not yet been well developed or thoroughly considered. The issues on this preliminary draft may or may not make the “final” draft list. Those issues on the final adopted list may or may not result in Basin Plan amendments. Each issue will be evaluated by the Regional Board.*

*We are in the process of developing descriptions for each issue. In the interest of providing some information to the public for use during the public comment period, we are sharing this work-in-progress. However, keep in mind that the issue descriptions provided below are in very draft form. This means we will be expanding, clarifying, correcting, and possibly even rewriting these draft descriptions in the upcoming weeks. In addition, issues which are duplicative or similar may be combined.*

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1 ***Name of Basin Plan Issue:*** Unnamed or Unidentified Waterbodies

***Summary:*** Add unnamed or unidentified waterbodies to Basin Plan.

***Description:*** At a minimum, add the following unnamed or unidentified waterbodies to the Basin Plan. The creek names below represent reaches of existing streams that are either not currently identified or are identified as unnamed intermittent tributaries.

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

Diamond Valley Reservoir

Olivenhain Reservoir

Kit Carson Creek

***Category:*** Administrative Change

***Source:*** RB Staff

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### **2 Name of Basin Plan Issue:** Nutrient Objectives for Surface Waters

**Summary:** Develop water quality objectives for nutrients (nitrogen and phosphorous) which are protective of beneficial uses and reflective of natural conditions existent within the San Diego Region.

**Description:** In partnership with the USEPA and State Water Resources Control Board, develop nutrient criteria specific to the San Diego Region protective of the beneficial uses of the waters. In particular, criteria for nitrogen and phosphorous should be evaluated and revised as necessary to protect the WARM, COLD, and MUN beneficial uses in San Diego rivers, streams and municipal drinking water supply reservoirs. Development of San Diego Region 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.

**Category:** Water Quality Objective

**Source:** RB Staff

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### **3 Name of Basin Plan Issue:** Impacts of Hydromodification on Hydrology

**Summary:** Consider addition of water quality objectives for impacts of hydromodification on hydrology and supporting text.

**Description:** The Basin Plan should be amended to add a water quality objective to regulate the impacts of hydromodification on stream and river hydrology. Supporting text describing the issue and impacts should also be included. 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). Certain discharges into rivers and streams (e.g. historic Municipal Separate Storm Sewer System discharges) can significantly alter the hydrology through changes in the hydrologic regime. These changes often result in bed and bank erosion with concomitant changes, usually negative, in water quality. Other beneficial uses can be impaired as a result of deleterious changes in water quality and flow related to altered hydrology (e.g. increased turbidity, increased flooding, increased sediment loading, nutrients, and bacteria). Some of these changes are the result of increased erosion in bed and bank as well as the loss of assimilative capacity of the river or stream and associated near stream habitats. See also Basin Plan Issue No. 59.

**Category:** Water Quality Objective

**Source:** RB Staff

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## **Preliminary Draft 2003 Triennial Review Basin Plan Issue List (Unprioritized)**

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**4 Name of Basin Plan Issue:** Potable Water Releases to Land

**Summary:** Amend waiver policy to allow application to land of potable water from flushing and draining potable water lines and tanks.

**Description:** Amend the waiver policy to include this type of discharge and amend the Basin Plan to include a category 2 waiver to allow potable water discharges to land from flushing and draining potable water lines and tanks. The Basin Plan currently includes a waiver for discharges from flushing and draining potable water lines and tanks. However, this type of discharge was not included in the updated waiver policy, adopted by the Regional Board on September 11, 2002.

**Category:** Administrative Change

**Source:** RB Staff

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**5 Name of Basin Plan Issue:** Index of Biotic Integrity

**Summary:** Refine and calibrate the Index of Biotic Integrity (IBI) as draft biological criteria and incorporate the IBI into Regional Board regulatory actions. Consider eventual addition of water quality objectives based on IBI.

**Description:** The California Regional Water Quality Control Board, San Diego Region has developed a Preliminary Index of Biotic Integrity (IBI). The Triennial Review should include a priority for refining and calibrating the IBI as draft biological criteria for adoption into the Water Quality Control Plan. A narrative discussion should be added to the Basin Plan to address the development and use of the IBI by the Regional Board and to lay the groundwork for its incorporation into the Basin Plan as narrative and numeric Water Quality Objectives for San Diego Basin rivers and streams.

**Category:** Water Quality Objective

**Source:** RB Staff

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**6 Name of Basin Plan Issue:** San Diego Formation

**Summary:** Recognize and better define the San Diego Formation as a viable water resource basin.

**Description:** After a great deal of study, the San Diego Formation is now recognized as a significant ground water resource basin. However, the Basin Plan does not reflect the recent findings. The Basin Plan should be modified to recognize the San Diego Formation as a viable water resource specifically identifying its beneficial uses in hydrologic units where there are currently no designated beneficial uses. The San Diego Formation is encompassed by hydrologic units 907.11 through 911.11. See also Basin Plan Issue No. 45.

**Category:** Project

**Source:** RB Staff

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**7 Name of Basin Plan Issue:** Surface Water and Ground Water Basin Nomenclature

**Summary:** Reconcile nomenclature in the beneficial use tables for surface and ground water with the nomenclature on the Basin Plan Hydrologic Map.

**Description:** Reconciliation of nomenclature is needed between the Basin Plan map and the beneficial use tables for surface and ground waters. They both should have the same nomenclature for easy cross reference. Beneficial Use Table 2-3 for surface waters does not include the acronyms for Hydrologic Unit (HU), Hydrologic Area (HA), or Hydrologic Subarea (HSA) as does Beneficial Use Table 2-3 for ground waters.

**Category:** Administrative Change

**Source:** RB Staff

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**8 Name of Basin Plan Issue:** Watershed Concept

**Summary:** Incorporate watershed concept into Basin Plan.

**Description:** The Regional Board's Watershed Management Chapter is a planning tool and should be incorporated into the Regional Board's master planning document, the Basin Plan. 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. It also provides useful reference information about the Region's watersheds and management efforts underway in particular watersheds. Finally, the Chapter is also intended to provide useful information to "stakeholders," e.g., by stimulating and focusing ideas for Proposition 13, 40, and 50, as well as, Clean Water Act sections 205(j), and 319(h) grant proposals.

**Category:** Administrative Change

**Source:** RB Staff

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**9 Name of Basin Plan Issue:** Beneficial Use Tables

**Summary:** Replace open and closed bullets with "P" for potential use and "E" for existing use.

**Description:** For easy interpretation of the Beneficial Use tables, replace the bullets (opened and closed) with P (for potential use) and E (for existing use).

**Category:** Administrative Change

**Source:** RB Staff

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## **Preliminary Draft 2003 Triennial Review Basin Plan Issue List (Unprioritized)**

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10 *Name of Basin Plan Issue:* Beneficial Uses for Ground-Water Basins

*Summary:* Add new table to Basin Plan depicting ground-water basins showing DWR Basin #, areal extent, depth, storage capacity, and yield.

*Description:* Add a new table to the Basin Plan that identifies all the ground-water basins in the San Diego Region. This table would also identify the Department of Water Resource Basin number, areal extent, storage capacity, and yield for each ground water basin. This information is extremely useful to Regional Board staff and stakeholders working on investigation and cleanup of our Region's ground water.

*Category:* Project

*Source:* RB Staff

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11 *Name of Basin Plan Issue:* Municipal Ground Water Exclusion Exemption

*Summary:* Clarify definition of municipal ground water exclusion exemption.

*Description:* Text in Chapter 2 needs to expand on the definition of de-designated basins. The text recognize should that while some waters have been identified as not meeting the criteria in SWRCB Resolution No. 88-63 as sources of municipal and domestic supply, they are still waters that are protected under environmental laws and regulations. Footnotes should be added to reference the data that supports de-designation of municipal uses.

*Category:* Administrative Change

*Source:* RB Staff

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12 *Name of Basin Plan Issue:* Section 401 Water Quality Certification Policy and Procedures

*Summary:* Add policy and procedures for Clean Water Act section 401 certification based on current regulations and specify basic minimum requirements needed for certification.

*Description:* Changes to the Basin Plan should (1) Provide minimum criteria for categories of development (e.g., road, residential development, utility corridor, etc.) that would be protective of water quality and beneficial uses; (2) specify a procedure similar to the Army Corps of Engineers 404(b)(1) analysis that requires avoidance, minimization, and then mitigation for project impacts; (3) address isolated waters (primarily vernal pools) and how the Regional Board will address impacts; (4) update regulatory language since the section 401 regulations changed in 2000 (e.g., we no longer issue waivers, but this is still discussed in the Basin Plan); and (5) 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 vs BMP).

*Category:* Policy

*Source:* RB Staff

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## **Preliminary Draft 2003 Triennial Review Basin Plan Issue List (Unprioritized)**

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13 *Name of Basin Plan Issue:* Text on Regulation of Dairies

*Summary:* Update Dairy Section, pages 4-79 and 4-80 to reflect new USEPA final CAFO Rule signed December 15, 2002. (CAFO - Concentrated Animal Feeding Operation).

*Description:* Update Basin Plan text on the Regional Board's regulation of dairies. Ensure text is correct and reflects new USEPA final CAFO rule signed December 2002.

*Category:* Administrative Change

*Source:* RB Staff

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14 *Name of Basin Plan Issue:* Water Quality Objective for Floating Material

*Summary:* Expand application of water quality objective for floating material to include all trash, even if it doesn't float.

*Description:* The water quality objective for floating material should be expanded to address all trash in receiving waters, and not just the trash that floats. The existing water quality objective for floating material does not address the entire issue of trash in receiving waters. A significant amount of trash in receiving waters does not float, and therefore is not addressed by the floating material water quality objectives.

*Category:* Administrative Change

*Source:* RB Staff

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15 *Name of Basin Plan Issue:* Text on Regulating Municipal Storm Water

*Summary:* Update text on regulation of municipal storm water.

*Description:* Update and expand the Basin Plan text pertaining to NPDES municipal storm water permits (MS4 permits) as needed. Update order numbers to reflect recently re-issued MS4 permits.

*Category:* Administrative Change

*Source:* RB Staff

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16 *Name of Basin Plan Issue:* Water Quality Objective for Municipal Storm Water

*Summary:* Update text to clarify that water quality standards must be met, in addition to meeting the maximum extent practicable (MEP) performance standard.

*Description:* Existing Basin Plan text pertaining to the municipal storm water program must be expanded to make clear that MS4 permits require dischargers to meet water quality standards in addition to reducing pollutants to the MEP. Current text fails to communicate this important requirement.

*Category:* Administrative Change

*Source:* RB Staff

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## **Preliminary Draft 2003 Triennial Review Basin Plan Issue List (Unprioritized)**

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17 *Name of Basin Plan Issue:* Text on Regulating Storm Water Discharges from Construction Sites

*Summary:* Update the construction storm water discussion on page 4-74 of the Basin Plan to address the Phase II storm water regulations which covers construction sites one acre or more in size.

*Description:* On page 4-74 of the Basin Plan, the construction storm water discussion should be updated to address the recently enacted Phase II storm water regulations. The Basin Plan currently states that construction sites that are 5 acres or more in size need permit coverage under the statewide General Construction Storm Water Permit. However under Phase II, construction sites that are one acre or more in size also need permit coverage.

*Category:* Administrative Change

*Source:* RB Staff

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18 *Name of Basin Plan Issue:* Ground Water Objectives for the Santa Margarita Hydrologic Unit

*Summary:* Restore TDS water quality objectives downstream of Murrieta Creek in the Santa Margarita Hydrologic Unit.

*Description:* In 1990 the Regional Board amended the TDS water quality objectives for ground and surface waters for portions of the Santa Margarita Hydrologic Unit (2.00), 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, the Regional Board should reconsider appropriate TDS objectives for the Santa Margarita Hydrologic Unit (2.00). (See Basin Plan Tables 3-2 & 3-3).

*Category:* Water Quality Objective

*Source:* RB Staff

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19 *Name of Basin Plan Issue:* Seasonal Opening of Coastal Lagoon Mouths

*Summary:* Add a regulatory policy on the seasonal opening of coastal lagoon mouths.

*Description:* Add a regulatory policy pertaining to the opening of lagoon mouths to the ocean. The policy should establish guidance or criteria regarding the conditions under which lagoon mouths should be opened. Opening a lagoon mouth to improve water quality and beneficial uses in the lagoon can result in adverse water quality impacts to nearshore ocean waters.

*Category:* Policy

*Source:* RB Staff

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20 *Name of Basin Plan Issue:* General Stream Flow Diversion and In-Stream Treatment Regulatory Policy

*Summary:* Add to a general regulatory policy on stream flow diversion projects and in-stream treatment projects.

*Description:* Consider development of a regulatory policy to address low flow stream diversion discharges to a sanitary sewer collection system and a regulatory policy for instream treatment facilities. Both of these policies could require obtaining waste discharge requirement or an NPDES permit.

*Category:* Policy

*Source:* RB Staff

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21 *Name of Basin Plan Issue:* Compliance Time Schedules in NPDES Permits

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

*Description:* The Basin Plan needs language that provides for the establishment of compliance time schedules for NPDES permits. Where appropriate, establishing a compliance time schedule in an NPDES permit eliminates the need for establishing such a schedule in a separate Regional Board action such as a Cease and Desist Order, thereby saving limited resources.

*Category:* Project

*Source:* RB Staff

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22 *Name of Basin Plan Issue:* Regulation of Onsite Disposal Systems

*Summary:* Update the Basin Plan to incorporate the regulations or standards adopted pursuant to California Water Code section 13291 (a) and (b).

*Description:* In addition to formally adopting the state-wide regulations and standards, the Regional Board must update the waiver conditions to authorize those qualified local agencies to implement the state-wide regulations for onsite disposal systems. Amending the waiver policy will eliminate duplication of regulatory effort by local agencies and the Regional Board and expedite the process for project proponents.

*Category:* Project

*Source:* RB Staff

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### 23 *Name of Basin Plan Issue:* Constructed Wetlands Policy

**Summary:** Add a Constructed Wetlands Policy that clarifies the applicability of water quality objectives to natural and constructed wetlands. Clarify the Regional Board's position on where wetland BMPs may be constructed.

**Description:** Add a policy pertaining to the regulation of constructed wetlands. The policy should specify circumstances under which water quality standards will apply to constructed wetlands. The policy should also specify when and where wetland BMPs may be constructed. Are BMPs allowed in receiving waters? The policy should clarify the distinctions between natural and constructed wetlands.

**Category:** Policy

**Source:** RB Staff

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### 24 *Name of Basin Plan Issue:* Discharges of Waste to Land section of the Basin Plan

**Summary:** Update/revise Basin Plan text pertaining to Chapter 15 references to reflect new regulations under Title 27, California Code of Regulations.

**Description:** Update the Discharges of Waste to Land text in Chapter 4 of the Basin Plan to reflect the regulations that have been promulgated since 1994 (CCR Title 27) for management of nonhazardous solid wastes. Title 27 now applies to all nonhazardous waste and Chapter 15 applies only to hazardous waste management. As a result of these changes (in 1997), the entire process for obtaining WDRs has been completely revised for solid waste facilities.

**Category:** Administrative Change

**Source:** RB Staff

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### 25 *Name of Basin Plan Issue:* Cleanup and Abatement Policy

**Summary:** Update/revise 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 (USTs), etc.).

**Description:** The Cleanup and Abatement Policy of the Basin Plan should contain updated information on policies, resolutions and statutes related to implementation of Water Code Section 13304 in the San Diego Region. Significant changes affect the cleanup and abatement requirements for Spills, Leaks, Investigation and Cleanup (SLIC), UST and brownfield sites. Since the Basin Plan was last updated the SWRCB has adopted Resolution No. 92-49. Site Designation by Cal-EPA should also be added to the Basin Plan. See also Basin Plan Issue No. 54.

**Category:** Administrative Change

**Source:** RB Staff

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## Preliminary Draft 2003 Triennial Review Basin Plan Issue List (Unprioritized)

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26 **Name of Basin Plan Issue:** Site-Specific Water Quality Objectives for Dissolved Oxygen

**Summary:** Add site-specific water quality objectives for dissolved oxygen for San Diego Bay.

**Description:** Develop site-specific numeric water quality objectives for dissolved oxygen (DO) for the different eco-regions of San Diego Bay, in particular south San Diego Bay. The existing Basin Plan does not contain site-specific DO objectives for San Diego Bay. Dissolved oxygen objectives for San Diego Bay is needed to protect aquatic life.

**Category:** Water Quality Objective

**Source:** RB Staff

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27 **Name of Basin Plan Issue:** Table 2-3 in Basin Plan

**Summary:** Add Famosa Slough to Table 2-3.

**Description:** Famosa Slough was inadvertently omitted from Table 2-3, Beneficial Uses of Coastal Waters, add should be added as it supports a variety of wildlife. Famosa Slough is a small remnant of the once large wetland complex at the mouth of the San Diego River.

**Category:** Administrative Change

**Source:** RB Staff

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28 **Name of Basin Plan Issue:** Water Quality Objectives for Fish Tissue

**Summary:** Add water quality objectives for fish tissue (based on MTRs, FDS Action Levels, USEPA Screening Values).

**Description:** Consider adding water quality objectives for pollutant levels in fish tissue. These could be quite helpful in interpreting data from the state-wide Toxic Substances Monitoring Program (TSMP). Consider water quality objectives for pesticides, metals and organics. At a minimum add text describing the significance of tissue levels and the available criteria and screening levels that the Regional Board currently uses.

**Category:** Water Quality Objective

**Source:** RB Staff

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29 **Name of Basin Plan Issue:** Water Quality Objectives for Habitat Fragmentation

**Summary:** Consider addition of water quality objectives for habitat fragmentation.

**Description:** Habitat fragmentation is a significant and ever-increasing threat to the beneficial uses of the San Diego region. The development of narrative or numeric for water quality objectives for habitat fragmentation is needed.

**Category:** Water Quality Objective

**Source:** RB Staff

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## Preliminary Draft 2003 Triennial Review Basin Plan Issue List (Unprioritized)

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30 *Name of Basin Plan Issue:* Miscellaneous Text Changes

*Summary:* Verify and correct as needed the name of the creek referenced on page 5-54, footnote 7 (Moonlight versus Cottonwood?). Update list of Region's waterbodies on page 3-26. Correct endnote D to identify the Township as "14."

*Description:* On page 5-54, footnote 7, reference is made to Moonlight Creek. Confirm location of creek. Confirm and distinguish between the creeks in our Region named "Cottonwood Creek". Page 3-26, endnote D needs to identify the Township as "14."

*Category:* Administrative Change

*Source:* RB Staff

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31 *Name of Basin Plan Issue:* GIS Issues

*Summary:* Incorporate GIS information into the Basin Plan and correct hydrologic subarea (HSA) boundaries as necessary.

*Description:* HSA boundaries of some shapefiles do not correspond to other hydrologic unit (HU) shapefile boundaries in our GIS system. Updating to reconcile hydrologic boundaries between the HSA layers and HU layers is needed (e.g., Green Valley Creek is in both the 905.22 and 905.11 HSA boundaries). See also Basin Plan Issue 37.

*Category:* Project

*Source:* RB Staff

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32 *Name of Basin Plan Issue:* Water Quality Objective Table for HSA 903.13 and 903.14

*Summary:* Update information for HSA 903.14 in the groundwater quality objectives table.

*Description:* Currently, footnote "r" to the Ground Water TDS Water Quality Objective for HSA 3.10 in Table 3-3 contains specific numeric values for the alluvial aquifers in HSAs 3.13 (Moosa) and 3.14 (Valley Center). The footnote is unclear and somewhat misleading, including the first sentence of the footnote. In order to clarify what objectives actually apply to the aquifers mentioned in the footnote, we recommend adding separate lines in Table 3-3, one for each of the two affected HSAs. The TDS objectives as well as the rest of the objectives or made clear. Footnote "r" would be removed from HSA 3.10. A new footnote "r" would be placed next to the name or number of HSAs 3.13 and 3.14 to indicate that these objectives apply to the alluvial aquifer in the HSA but that the objectives listed for HSA 3.10 apply to all other aquifers in the basin.

*Category:* Administrative Change

*Source:* RB Staff

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## Preliminary Draft 2003 Triennial Review Basin Plan Issue List (Unprioritized)

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33 **Name of Basin Plan Issue:** Designation of Irvine Coast near Laguna Beach as ASBS  
**Summary:** Designate Irvine coast near Laguna Beach as an Area of Special Biological Significance (ASBS). This coastline is contiguous with the Irvine coast ASBS in Region 8.  
**Description:** Add Irvine Coast near Laguna Beach to our list of ASBSs (Areas of Special Biological Significance). Region 8 first proposed this ASBS and has currently designate it as such. Approximately 10% of this particular coastline extends into Region 9. For this reason, the area should also be designated as an ASBS in the San Diego Region.  
**Category:** Administrative Change  
**Source:** RB Staff

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34 **Name of Basin Plan Issue:** Ground Water Objectives for Nitrate  
**Summary:** Review appropriateness of existing ground water objectives for nitrate.  
**Description:** Review references and data supporting the current nitrate groundwater quality objectives of 5mg/L and 10 mg/L as NO<sub>3</sub> in certain hydrologic subareas. These are more restrictive than the drinking water standard, which is 45 mg/L as NO<sub>3</sub>.  
**Category:** Water Quality Objective  
**Source:** RB Staff

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35 **Name of Basin Plan Issue:** Assimilative Capacity and Mixing Zones  
**Summary:** Revise and expand discussion on assimilative capacity and mixing zones and provide clear guidance on allowable discharges.  
**Description:** The Basin Plan should discuss assimilative capacity and mixing zones in greater detail in the context of discharges to surface waters and to land. This text is needed to provide clear guidance on allowable discharges.  
**Category:** Project  
**Source:** RB Staff

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36 **Name of Basin Plan Issue:** Mission San Diego HSA Ground Water Quality Objective for Iron and Manganese  
**Summary:** Evaluate the ground water quality objectives in Mission San Diego Hydrologic Subarea for iron and manganese.  
**Description:** In 1985, the Regional Board relaxed the surface water quality objectives for iron and manganese in Mission San Diego hydrologic subarea. When it approved the amendment the State Board directed the Regional Board to address the possible impacts to ground water quality from surface water having increased concentrations of iron and manganese.  
**Category:** Water Quality Objective  
**Source:** 1998 Triennial Review

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**37 Name of Basin Plan Issue:** Basin Plan Map

**Summary:** Update Basin Plan map, incorporate new hydrologic boundaries, and update beneficial uses and water quality objectives to reflect new boundaries.

**Description:** Since adoption of the 1994 Basin Plan and accompanying San Diego Hydrologic Basin Planning Area map, several significant changes have occurred to the hydrologic planning areas in the Region. This map needs to be updated, expanded and reevaluated to include desirable features and better legibility. Also see Basin Plan Issue 31.

**Category:** Project

**Source:** 1998 Triennial Review

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**38 Name of Basin Plan Issue:** Water Quality Objective for Dissolved Oxygen in Surface Waters

**Summary:** Clarify the dissolved oxygen water quality objective for inland surface waters and enclosed bays and estuaries.

**Description:** The dissolved oxygen (DO) water quality objective for inland surface waters and enclosed bays and estuaries needs clarification. The objective states that it applies to inland surface waters with designated MAR or WARM beneficial uses, but MAR is only designated for enclosed bays and estuaries and coastal waters. The objective needs to be revised to provide a DO objective for both inland surface waters and enclosed bays and estuaries.

**Category:** Water Quality Objective

**Source:** 1998 Triennial Review

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**39 Name of Basin Plan Issue:** Water Quality Objectives for Bacteria Indicators

**Summary:** Update and clarify existing water quality objectives for bacteria indicators. Include language clarifying how objectives should be interpreted. Address advisory postings and closures.

**Description:** Water quality objectives for bacteria indicators in the Basin Plan will be evaluated and compared to current objectives, criteria, and regulations. The Basin Plan has objectives for total and fecal coliform, enterococci, and ecoli indicator bacteria. These objectives are designed to protect the beneficial uses of water contact recreation (REC-1), non-contact (REC-2), and shellfish harvesting (SHELL). These objectives have not been revised significantly since 1975 and need to be updated and clarified.

**Category:** Water Quality Objective

**Source:** 1998 Triennial Review

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40 *Name of Basin Plan Issue:* Anthropogenic Versus Natural Sources of Pollutants

*Summary:* Add language pertaining to anthropogenic versus natural sources of pollutants including controllable water quality factors.

*Description:* The 1991 update of the Basin Plan contains the following language: "Controllable water quality factors shall conform to the water quality objectives contained herein. When other factors result in the degradation of water quality o objectives, then controllable factors shall not cause any degradation of water quality. Controllable water quality factors are those actions, conditions, or circumstances resulting form man's activities that may influence the quality of the waters of the State and that may be reasonably controlled." This language on controllable water quality factors was inadvertently omitted from Chapter 3 during the 1994 Basin Plan update. The text on this issue should be clarified and expanded.

*Category:* Project

*Source:* 1998 Triennial Review

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41 *Name of Basin Plan Issue:* Chollas Creek Total Maximum Daily Load (TMDL) for Diazinon and Metals

*Summary:* This issue will be removed from the draft 2003 List of Basin Plan Issues.

*Description:* Since the 1998 Triennial Review, the Regional Board has received resources specifically dedicated to TMDLs and numerous TMDLs are currently under development in the Region. For this reason, Basin Planning resources will not be expended on TMDL development. Accordingly, this issue will be removed from the draft 2003 Triennial Review List of Basin Plan Issues.

*Category:* TMDL

*Source:* 1998 Triennial Review

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42 *Name of Basin Plan Issue:* Rainbow Creek Total Maximum Daily Load (TMDL) for Nutrients

*Summary:* This issue will be removed from the draft 2003 List of Basin Plan Issues.

*Description:* Since the 1998 Triennial Review, the Regional Board has received resources specifically dedicated to TMDLs and numerous TMDLs are currently under development in the Region. For this reason, Basin Planning resources will not be expended on TMDL development. Accordingly, this issue will be removed from the draft 2003 Triennial Review List of Basin Plan Issues.

*Category:* TMDL

*Source:* 1998 Triennial Review

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43 **Name of Basin Plan Issue:** Water Quality Objective for minerals in Gower HAS  
**Summary:** Evaluate the request for relaxation of mineral objectives in the Gower HSA (7.23).  
**Description:** By letter dated September 11, 1998, Dudek and Associates (Dudek) requested relaxation of the mineral Water Quality objective in the Gower HSA. Dudek prepared this request for the Gower HSA on behalf of Ramona Municipal Water District. This request for relaxation of the mineral objectives in the Gower HSA will allow the use of reclaimed water without demineralization.  
**Category:** Water Quality Objective  
**Source:** 1998 Triennial Review

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44 **Name of Basin Plan Issue:** Water Quality Objective for Total Dissolved Solids (TDS) in Poway HA, Scripps HA, Miramar HA  
**Summary:** Evaluate the request for relaxation of TDS objective in the Poway HA (6.20), Scripps HA (6.30), and Miramar HA (6.40).  
**Description:** The City of San Diego requested relaxation of the TDS objectives from 750 to 1,000 or 1,200 mg/l to allow use of reclaimed water in the Poway Hydrologic HA, Scripps HA, and Miramar HA (6.20,6.30, 6.40).  
**Category:** Water Quality Objective  
**Source:** 1998 Triennial Review

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45 **Name of Basin Plan Issue:** San Diego Formation  
**Summary:** Evaluate the beneficial uses for the San Diego Formation.  
**Description:** By letter dated August 27, 1998, the San Diego County Water Authority and the Sweetwater Authority requested that the beneficial uses overlying the San Diego Formation be re-evaluated. The August 27 letter states that findings of several hydrogeologic investigations indicate the production potential of aquifers occurring within the "San Diego Formation" is sufficient for municipal uses. The beneficial uses for ground water in some of these areas were removed around 1978 to facilitate reclamation. Now several water agencies are investigating using this ground water from the San Diego Formation for municipal uses. The August 27 letter suggests adding potential beneficial uses of MUN, AGR, and IND to ground water in hydrologic subareas over the San Diego Formation. Basin Plan Issue 6.  
**Category:** Beneficial Use  
**Source:** 1998 Triennial Review

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46 *Name of Basin Plan Issue:* Vertically Distinct Aquifers

*Summary:* Develop a procedure for designating beneficial uses or water quality objectives for ground water in vertically distinct aquifers.

*Description:* By letter dated August 27, 1998, the San Diego County Water Authority and the Sweetwater Authority suggested that a procedure or criteria be developed for designating beneficial uses or water quality objectives for ground water in vertically distinct aquifers. This procedure or criteria would be applicable throughout the Region, but one of the first uses could be in designating uses for the San Diego Formation.

*Category:* Water Quality Objective

*Source:* 1998 Triennial Review

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47 *Name of Basin Plan Issue:* Nitrate Impacts Related to Septic Tank Use

*Summary:* Develop guidance on the evaluation of nitrate impacts related to septic tank use.

*Description:* By letter dated September 15, 1998 and September 1, 1998, the County of San Diego and the Sweetwater Authority requested that new guidance be developed regarding septic tank use. Septic tanks can cause elevated nitrate levels in ground water. These impacts can occur if the septic tank is improperly designed or if there are too many septic tanks in an area. Guidance is needed on allowable septic tank density and application of water quality objectives as well as the content and level of site-specific study that is necessary to properly evaluate the impacts of a proposed project. Sweetwater Authority also requests that special consideration be given to areas upgradient of drinking water reservoirs to prevent nitrate impacts from reaching reservoirs.

*Category:* Project

*Source:* 1998 Triennial Review

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48 *Name of Basin Plan Issue:* Water Quality Objectives for the Tijuana Valley HA 11.10

*Summary:* Evaluate the request for re-evaluation of water quality objectives in the Tijuana Valley Hydrologic Area 11.10.

*Description:* The Tijuana River Valley County Water District have requested reevaluation of the water quality objectives in the Tijuana Valley Hydrologic Area 11.10. Recent studies of ground water in the area have indicated the presence of useable quality water especially at the deeper levels in the San Diego formation.

*Category:* Water Quality Objective

*Source:* 1998 Triennial Review

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## **Preliminary Draft 2003 Triennial Review Basin Plan Issue List (Unprioritized)**

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49 *Name of Basin Plan Issue:* Ground Water Beneficial Use Restoration

*Summary:* Evaluate restoration of beneficial uses to ground water in portions of HSA 4.51 and 4.52 between Highway 78 and El Camino Real.

*Description:* There may be operational domestic or municipal ground water wells within the portions of the Baticuitos HSA 904.51 and Richland HSA 904.52 contradicting the current non beneficial use designation identified in the Basin Plan. Evaluation and potential restoration of the ground water beneficial uses in the portion of these basins that lie between Highway 78 and El Camino Real may be warranted.

*Category:* Beneficial Use

*Source:* 1998 Triennial Review

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50 *Name of Basin Plan Issue:* Santa Margarita Lagoon Total Maximum Daily Load (TMDL) for Nutrients

*Summary:* This issue will be removed from the draft 2003 List of Basin Plan Issues.

*Description:* Since the 1998 Triennial Review, the Regional Board has received resources specifically dedicated to TMDLs and numerous TMDLs are currently under development in the Region. For this reason, Basin Planning resources will not be expended on TMDL development. Accordingly, this issue will be removed from the draft 2003 Triennial Review List of Basin Plan Issues.

*Category:* TMDL

*Source:* 1998 Triennial Review

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51 *Name of Basin Plan Issue:* Shelter Island Yacht Basin Total Maximum Daily Load (TMDL) for Copper

*Summary:* This issue will be removed from the draft 2003 List of Basin Plan Issues.

*Description:* Since the 1998 Triennial Review, the Regional Board has received resources specifically dedicated to TMDLs and numerous TMDLs are currently under development in the Region. For this reason, Basin Planning resources will not be expended on TMDL development. Accordingly, this issue will be removed from the draft 2003 Triennial Review List of Basin Plan Issues.

*Category:* TMDL

*Source:* 1998 Triennial Review

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## **Preliminary Draft 2003 Triennial Review Basin Plan Issue List (Unprioritized)**

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52 **Name of Basin Plan Issue:** Total Maximum Daily Load (TMDL) for Contaminated Sediment in San Diego Bay

**Summary:** This issue will be removed from the draft 2003 List of Basin Plan Issues.

**Description:** Since the 1998 Triennial Review, the Regional Board has received resources specifically dedicated to TMDLs and numerous TMDLs are currently under development in the Region. For this reason, Basin Planning resources will not be expended on TMDL development. Accordingly, this issue will be removed from the draft 2003 Triennial Review List of Basin Plan Issues.

**Category:** TMDL

**Source:** 1998 Triennial Review

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53 **Name of Basin Plan Issue:** Aliso Creek Total Maximum Daily Load (TMDL) for Bacteria Indicators

**Summary:** This issue will be removed from the draft 2003 List of Basin Plan Issues.

**Description:** Since the 1998 Triennial Review, the Regional Board has received resources specifically dedicated to TMDLs and numerous TMDLs are currently under development in the Region. For this reason, Basin Planning resources will not be expended on TMDL development. Accordingly, this issue will be removed from the draft 2003 Triennial Review List of Basin Plan Issues.

**Category:** TMDL

**Source:** 1998 Triennial Review

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54 **Name of Basin Plan Issue:** Low Risk Fuel Cleanup Guidance

**Summary:** Incorporate the April 1, 1996 Interim Guidance on Required Cleanup at Low-Risk Fuel Contaminated Sites into Basin Plan.

**Description:** By memorandum dated April 1, 1996, Regional Board staff established interim guidance on required cleanup at low-risk fuel contaminated sites. This Regional board guidance describes a "low risk soils only case" and "low risk groundwater case" and presents strategies for closing and managing these sites through natural attenuation. This Regional Board guidance expands on the interim guidance provided by letter dated December 8, 1995 from the State Water Resources Control Board regarding findings of the report entitled "Recommendations to Improve the Cleanup Process for California's Leaking Underground Fuel Tanks (LUFTs)" issued by the Lawrence Livermore National Laboratory (LLNL).

**Category:** Project

**Source:** 1998 Triennial Review

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## **Preliminary Draft 2003 Triennial Review Basin Plan Issue List (Unprioritized)**

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**55 Name of Basin Plan Issue:** Risk Assessment in Cleanup and Abatement Policy

**Summary:** Rewrite the discussion of risk assessment in section VI.A.3 of the Cleanup and Abatement Policy.

**Description:** The language regarding risk assessments in the Cleanup and Abatement Policy in Chapter 4 needs to be rewritten and updated. The Cleanup and Abatement Policy contains guidelines for the Regional Board in dealing with investigations. One of these guidelines states that discharges should submit a "risk assessment to determine impacts and threats to human health and the environment" (page 4-91, Section IV.B.3.b). Then Section VI.A.3 (page 4-92) states that the Regional Board is not the lead agency in reviewing risk assessments and that review of risk assessments will be conducted by local health agencies or by the Department of Toxic Substances Control. However, Sections 25299.36 and .37 of California Health and Safety Code, Chapter 6.75 state that the Regional Boards shall "ensure protection of human health, safety, and the environment." Because Regional Board is qualified to review risk assessments and review by other agencies could cause unreasonable delays, this section needs to be rewritten to allow for Regional Board review of risk assessments.

**Category:** Project

**Source:** 1998 Triennial Review

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**56 Name of Basin Plan Issue:** Pollution Prevention Policy

**Summary:** Develop and add a broad-based Pollution Prevention Policy to Basin Plan.

**Description:** A Pollution Prevention Policy should be added to the Basin Plan to assert and clarify the Regional Board's position on pollution prevention. The Basin Plan should clearly state that pollution prevention is fundamental to the Regional Board's mission and is strongly encouraged whenever feasible. In most, if not all situations, preventing the generation of pollutants is superior to, and more cost effective than, controlling pollutants at their source(s) or treating pollutants end-of-pipe.

**Category:** Policy

**Source:** RB Staff

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**57 Name of Basin Plan Issue:** Total Maximum Daily Load (TMDL) Introductory Text

**Summary:** Add introductory text to Chapter 4 to accommodate incorporation of TMDLs into Basin Plan.

**Description:** As the regulatory provisions of Total Maximum Daily Loads (TMDLs) are adopted by the Regional Board and subsequently approved by the SWRCB, Office of Administrative Law, and USEPA, they will be incorporated into Chapter 4 of the Basin Plan. Introductory text is needed to accommodate upcoming incorporation of TMDLs into the Basin Plan.

**Category:** Administrative Change

**Source:** RB Staff

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## Preliminary Draft 2003 Triennial Review Basin Plan Issue List (Unprioritized)

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58 *Name of Basin Plan Issue:* Potential Versus Existing Beneficial Uses

*Summary:* Convert potential beneficial uses to existing beneficial uses as appropriate.

*Description:* Evaluate beneficial uses currently designated as “potential”. To the extent that a beneficial use currently designated as “potential” is actually supported in a waterbody, consider updating the beneficial use designation of that waterbody from “potential” to “existing”.

*Category:* Beneficial Use

*Source:* RB Staff

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59 *Name of Basin Plan Issue:* Water Quality Objectives for Flow

*Summary:* Consider addition of water quality objectives for flow into Basin Plan.

*Description:* The Basin Plan should recognize that human activities can significantly alter natural flow regimes resulting in adverse impacts to beneficial uses. Consider the development of narrative or numeric water quality objectives for “flow” to ensure that natural biological communities are not degraded by unnatural flow regimes.

*Category:* Water Quality Objective

*Source:* RB Staff

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60 *Name of Basin Plan Issue:* Water Quality Objective for Subsistence Fishing

*Summary:* Consider addition of water quality objective for subsistence fishing to Basin Plan.

*Description:* Consider adding water quality objectives for subsistence fishing to the Basin Plan. At a minimum, consider adding a narrative discussion of the issue. The Basin Plan should recognize that most published fish tissue criteria and screening values assume that people only consume muscle tissue. For those populations that also consume major fish organs, more protective levels are needed.

*Category:* Water Quality Objective

*Source:* RB Staff

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## Preliminary Draft 2003 Triennial Review Basin Plan Issue List (Unprioritized)

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61 *Name of Basin Plan Issue:* Modification of Boundary with Region 8

*Summary:* Consider Region 8's request to modify the Regional Board boundary at Diamond Valley Lake Recreation East Marina.

*Description:* The recent construction of Diamond Valley Reservoir, located near the City of Hemet in Riverside County, has altered the direction of drainage for Goodhard Canyon. The area consisting of Diamond Valley Reservoir and the Goodhard Canyon drainage is currently designated as part of the San Diego Region, Region 9. Before the construction of Diamond Valley Reservoir runoff from Goodhard Canyon, located southeast of Diamond Valley, would flow through Diamond Valley eventually reaching Murrieta Creek in Region 9. As a result of the construction of the Reservoir, runoff from Goodhard Canyon now eventually flows into the San Jacinto River. All areas that drain into the San Jacinto River have been designated to be in Region 8, the Santa Ana Region. Should the boundaries between Region 8 and 9 in this area be changed to reflect the current drainage patterns?

*Category:* Project

*Source:* RB Staff

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62 *Name of Basin Plan Issue:* Underlying Basis for Water Quality Objectives

*Summary:* Identify the underlying source or criteria upon which each water quality objective is based (e.g., USEPA CTR criteria).

*Description:* The Basin Plan designates water quality objectives for the protection of beneficial uses. Each water quality objective is based upon, or derived from, underlying criteria or guidance. Such criteria is typically promulgated by USEPA for use by the states in adopting water quality standards. The underlying source or criteria upon which each water quality objective is based should be readily identified in the Basin Plan. This information would be of great value to both the Regional Board and the public, especially in situations in which multiple potential sources exist. See also Basin Plan Issue 68.

*Category:* Administrative Change

*Source:* RB Staff

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## Preliminary Draft 2003 Triennial Review Basin Plan Issue List (Unprioritized)

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63 *Name of Basin Plan Issue:* Water Quality Objectives for Priority Pollutants

*Summary:* Consider adoption of water quality objectives for priority pollutants based on Federal CTR criteria. Revise text and water quality objectives for toxic pollutants on page 3-16 of the Basin Plan.

*Description:* The Basin Plan should make clear that the California Toxics Rule (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 Toxics Standards for Inland Surface Waters, Enclosed Bays and Estuaries of California” (a.k.a. the State’s Implementation Plan or SIP). Alternatively, consider adoption of water quality objectives for priority pollutants based on the federal CTR criteria. Revise and update text and water quality objectives for toxic pollutants on page 3-16 of the Basin Plan.

*Category:* Water Quality Objective

*Source:* RB Staff

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64 *Name of Basin Plan Issue:* Water Quality Objective for Toluene

*Summary:* 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 Title 22 objective.

*Description:* The “in excess of 1 mg/l” water quality objective for toluene on page 3-10 of the Basin Plan is duplicative with the Title 22 water quality objective for toluene. For this reason, the Basin Plan objective should be deleted.

*Category:* Water Quality Objective

*Source:* RB Staff

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65 *Name of Basin Plan Issue:* Water Reclamation Text

*Summary:* Revise Table 4-6 in Basin Plan describing water reclamation projects.

*Description:* Table 4-6 beginning on page 4-32 of the Basin Plan describes water reclamation projects as of March 1993. The table should be updated and revised as necessary to reflect current projects.

*Category:* Administrative Change

*Source:* RB Staff

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## Preliminary Draft 2003 Triennial Review Basin Plan Issue List (Unprioritized)

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66 **Name of Basin Plan Issue:** Waste Discharge Prohibition No. 4

**Summary:** Evaluate/clarify Waste Discharge Prohibition No. 4 on page 4-17 of the Basin Plan to consider discharges of recycled water. (Note the page is 4-17, not 4-15.)

**Description:** Review and modify/clarify the language of Waste Discharge Prohibition No. 4, as appropriate, to consider discharges of recycled water.

**Category:** Administrative Change

**Source:** RB Staff

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67 **Name of Basin Plan Issue:** Chapter 1 of Basin Plan

**Summary:** Update and revise Chapter 1 of Basin Plan.

**Description:** Consider updating and expanding Chapter 1 of the Basin Plan to improve utility and reflect current conditions in, and priorities and regulations applicable to, the San Diego Region.

**Category:** Administrative Change

**Source:** RB Staff

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68 **Name of Basin Plan Issue:** Appendix C of Basin Plan

**Summary:** Delete Appendix C of Basin Plan.

**Description:** Consider deleting Appendix C of the Basin Plan which provides information regarding water quality criteria that underlie Basin Plan water quality objectives. The underlying criteria upon which each water quality objective is based should be individually identified in the Basin Plan. See Basin Plan Issue 62.

**Category:** Administrative Change

**Source:** RB Staff

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69 **Name of Basin Plan Issue:** Water Quality Objectives for Invasive Species

**Summary:** Consider addition of water quality objectives for invasive species.

**Description:** Invasive species is 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.

**Category:** Water Quality Objective

**Source:** RB Staff

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