2017 Triennial Review Update Public Workshop October 9, 2017



For the Colorado River Basin Water Board

Water Boards

Triennial Review

- Required by CWA
- BP Reviewed Every 3 Years



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WATER QUALITY CONTROL PLAN

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOAR STATE WATER RESOURCES CONTROL BOARD COLORADO RIVER BASIN MAPS

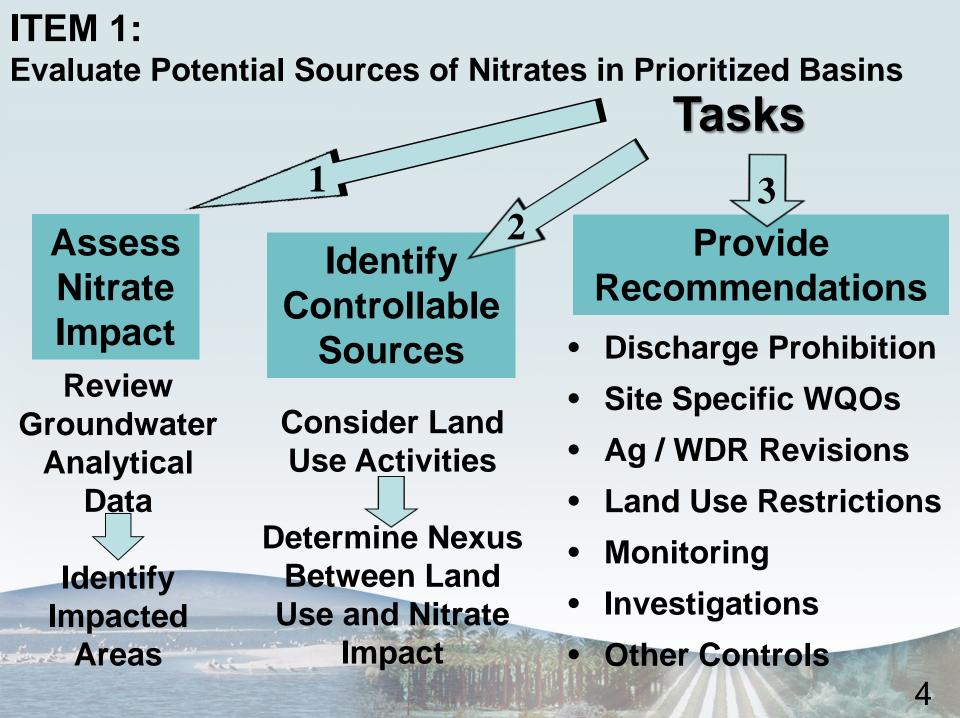
- Identify Potential Water Quality Issues
- Reaffirm Basin Plan
- Prioritizes and Directs Planning Efforts

Timeline

Board Information Item Public Workshop Public comment period begins (45 days) Public Workshop Public comment period ends Board Adoption Hearing March 09, 2017 April 17, 2017 Sept. 15 2017 Oct. 09 2017 Oct. 30, 2017 Nov. 09, 2017

Item Selection

- Protection of Beneficial Uses
- Current Investment
- Availability of External Resources
- Project feasibility
- Purview of the Public Interest
- Impacts or Benefits
- Geographic Scope
- State Water Board policy/ EPA priority
- Regional needs



ITEM 1: Evaluate Potential Sources of Nitrates in Prioritized Basins

- Staff Recommendation:
 - Perform a region-wide nitrate assessment of groundwater basins/sub-basins
 - Develop a prioritized list
 - Provide recommendations to the Board

ITEM 2:

Establish TDS Water Quality Objectives For Groundwater Throughout the Coachella Valley

Review Water Quality

Tasks

- Standards
- Criteria
- Guidance
- Goals

Data

Analytical

Select Defensible Water Quality Objectives

- Based on Literature
- Other Regions WQO
- Protect BUs
- Protect WQ
- Assessment Threshold Algorithm

Provide Recommendations

- Basin Plan Amendment Total Dissolved Solid Water Quality Objective
 - o General WQO
 - Site Specific WQO

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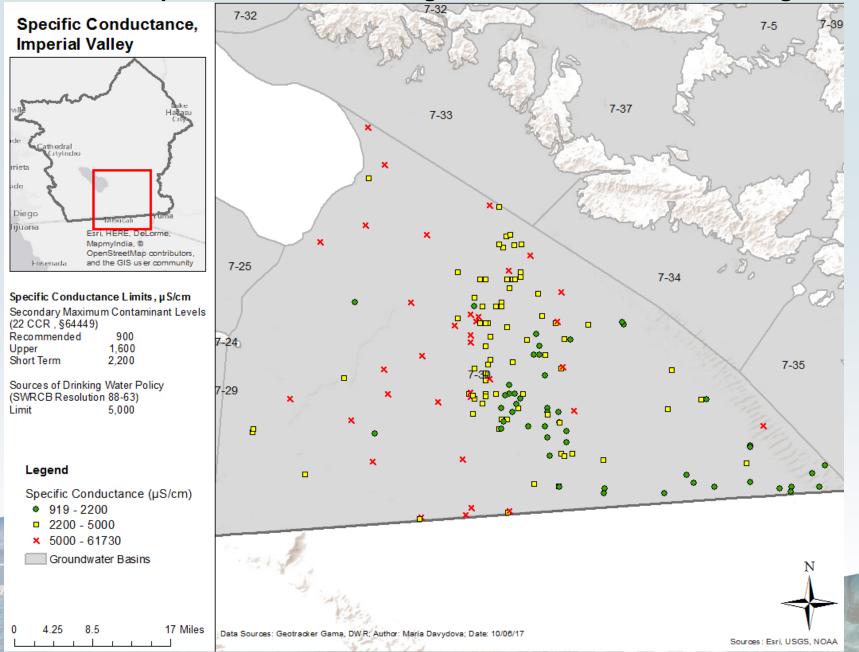
- Monitoring
- Other Alternatives

ITEM 2: Establish TDS Water Quality Objectives For Groundwater Throughout the Coachella Valley

- Staff Recommendation:
 - Establish numeric Water Quality Objectives for Total Dissolved Solids in the Indio Subbasin of the Coachella Valley
 - Evaluate the need for numeric Water
 Quality Objectives in other priority basins
 - Provide Recommendations to the Board

ITEM 3:

Review of Municipal Beneficial Use Designation in Groundwater with High Salinity

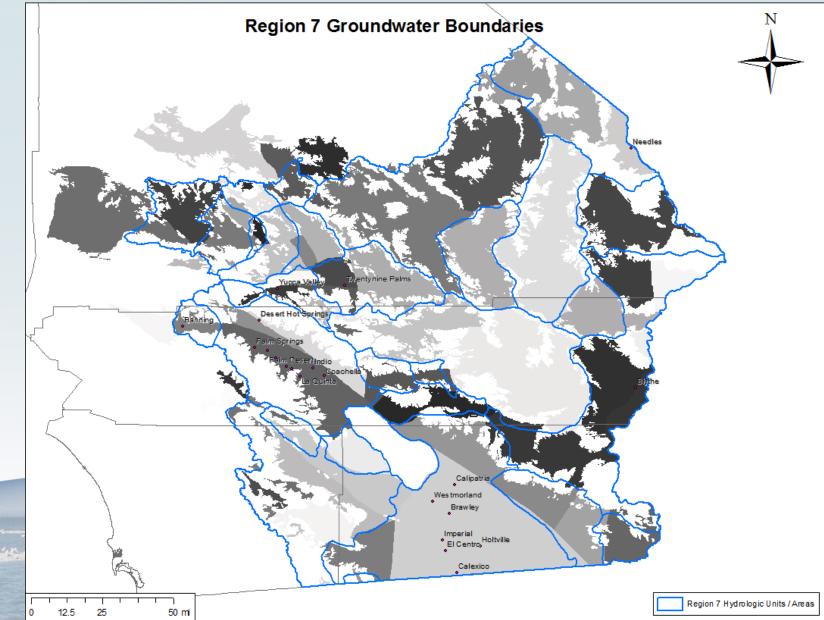


ITEM 3: Review of Municipal Beneficial Use Designation in Groundwater with High Salinity

- Staff Recommendation:
 - Delineate regions of groundwater in Imperial Valley that cannot support MUN

ITEM 4:

Revise Beneficial Use Designation to Correspond with Individual Groundwater Basins and Aquifers



ITEM 4: Revise Beneficial Use Designation to Correspond with Individual Groundwater Basins and Aquifers

- Staff Recommendation:
 - Update Basin Plan Table 2-5 to designate Beneficial Uses based on groundwater basin or aquifer boundaries

Assess the Potential for Bioaccumulation of Selenium, Mercury, Pesticides, PCBs and PBDEs in Constructed Wetlands

Conduct Regular Monitoring for Cyanotoxins caused by harmful algal blooms (HABs) at Popular Salton Sea Recreation Areas



Incorporate Revised 2012 U.S. EPA Recreational Water Quality Criteria for Bacteria

Photo: Ana Cadena

Assess BUs of Constructed Wetlands In Imperial & Coachella Valleys

ITEM 8







Assess Increasing Trend in Chlorpyrifos and Pyrethroid Pesticide Detections and Associated Toxicity in Agricultural Drains

Identify Sources of Ammonia that are Causing Toxicity in the Coachella Valley Storm Water Channel (CVSC)

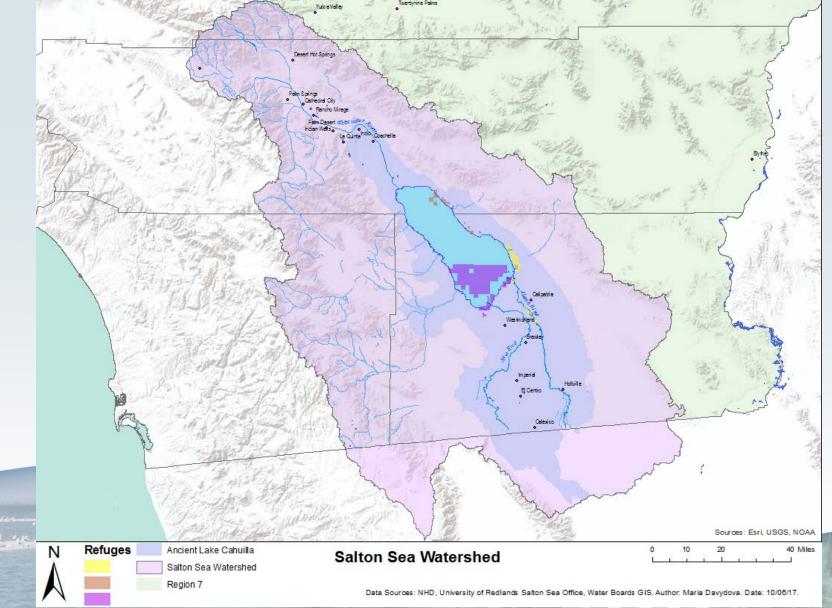


Make Monitoring Preparations for Establishing Baseline Conditions for Sediment and Water Quality for the Proposed Aquatic Habitats at Salton Sea

Update the Basin Plan Discussion Concerning New River Developments and Projects



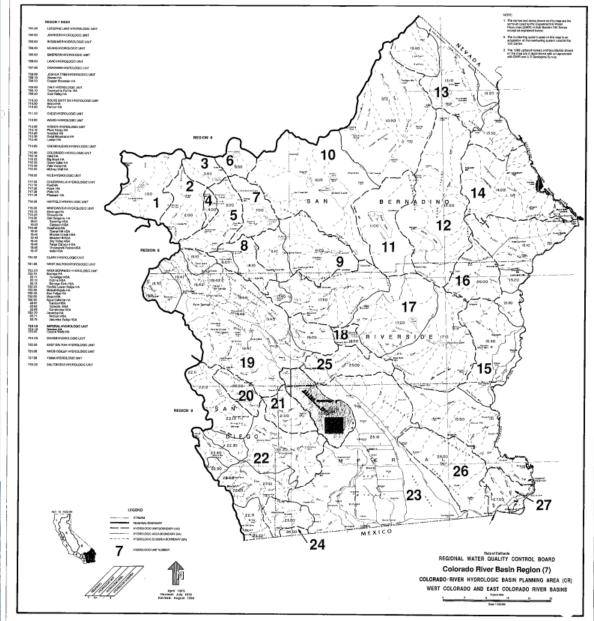
ITEM 13: Update Salton Sea Discussion and Associated Information Contained in the Basin Plan



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- Staff Recommendation:
 - Adopt and Administrative Amendment to make editorial changes to Salton Sea language for greater clarity and to provide current information

ITEM 14: Correct General Errors and Outdated or Obsolete Information Contained in the Basin Plan



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ITEM 14: Correct General Errors and Outdated or Obsolete Information Contained in the Basin Plan

- Staff Recommendation:
 - Adopt three administrative amendments to
 - (1) correct typos and errors
 - (2) standardize format
 - (3) update information
 - Incorporate urgent corrections into any upcoming amendment

Comments & Questions

Bombay Beach, CA