

DRAFT  
SALT/NUTRIENT MANAGEMENT PLANS  
— SUGGESTED ELEMENTS —

<b>I. BACKGROUND</b>
<ul style="list-style-type: none"> <li>• Purpose             <ul style="list-style-type: none"> <li>• Protection of Beneficial Use</li> <li>• Sustainability of Water Resources</li> <li>• Problem Statement</li> </ul> </li> <li>• Salt/Nutrient Management Objectives</li> <li>• Regulatory Framework</li> <li>• Groundwater Beneficial Uses</li> <li>• <b>Stakeholder Roles and Responsibilities</b></li> <li>• Process to Develop Salt/Nutrient Management Plan</li> </ul>
<b>II. GROUNDWATER BASIN CHARACTERISTICS</b>
<b>1. GROUNDWATER BASIN OVERVIEW</b>
<ul style="list-style-type: none"> <li>• Physiographic Description</li> <li>• Groundwater Basin and/or Sub-Basin Boundaries</li> <li>• Watershed Boundaries</li> <li>• Geology</li> <li>• Hydrogeology/Hydrology</li> <li>• Aquifers</li> <li>• Recharge Areas</li> <li>• Hydrologic Areas Tributary to the Groundwater Basin</li> <li>• Climate</li> <li>• Land Cover and Land Use</li> <li>• Water Sources</li> </ul>
<b>2. GROUNDWATER INVENTORY</b>
<ul style="list-style-type: none"> <li>• Groundwater Levels             <ul style="list-style-type: none"> <li>• Historical, Existing, Regional Changes</li> </ul> </li> <li>• Groundwater Storage             <ul style="list-style-type: none"> <li>• Historical, Existing, Changes</li> </ul> </li> <li>• Groundwater Production             <ul style="list-style-type: none"> <li>• Historical, Existing, Spatial and Temporal Changes, Safe Yield</li> </ul> </li> <li>• Groundwater Mixing and Movement             <ul style="list-style-type: none"> <li>• Subsurface Inflow/Outflow</li> <li>• Horizontal and Vertical Movement and Mixing</li> </ul> </li> </ul>
<b>3. <i>BASIN WATER QUALITY</i></b>
<ul style="list-style-type: none"> <li>• <b>Groundwater Quality</b> <ul style="list-style-type: none"> <li>• Background, Historical, Existing</li> <li>• Water Quality Objectives</li> </ul> </li> <li>• Surface Water Quality</li> <li>• Delivered Water Quality</li> <li>• Imported Water Quality</li> <li>• Recycled Water Quality</li> </ul>

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<b>III. BASIN EVALUATION</b>
<b>1. WATER BALANCE</b>
<ul style="list-style-type: none"> <li>• Conceptual Model</li> <li>• Basin Inflow/Outflow</li> <li>• Groundwater, Surface Water, Imported Water, Water Transfers, Recycled Water Irrigation, Waste Water Discharges, Agricultural Runoff, Stormwater Runoff (Urban, Agriculture, Open Space), Precipitation</li> <li>• Infiltration, Evaporation, Evapotranspiration, Recharge, Surface Water and Groundwater Connectivity</li> </ul>
<b>2. SALT AND NUTRIENT BALANCE</b>
<ul style="list-style-type: none"> <li>• Conceptual Model</li> <li>• <b>Salt and Nutrient Source Identification</b></li> <li>• <b>Salt and Nutrient Loading Estimates</b> <ul style="list-style-type: none"> <li>• Historical, Existing, Projected</li> </ul> </li> <li>• Import/Export</li> <li>• <b>Basin/Sub-Basin Assimilative Capacity for Salt and Nutrients</b></li> <li>• <b>Fate and Transport of Salt and Nutrients</b></li> </ul>
<b>3. CONSTITUENTS OF EMERGING CONCERNS (CECs)*</b>
<p>* - Requirements for monitoring CECs will be determined following State Water Board review of the CEC Advisory Panel's report due in June 2010.</p> <ul style="list-style-type: none"> <li>• Constituents</li> <li>• CEC Source Identification</li> </ul>
<b>4. PROJECTED WATER QUALITY</b>
<b>IV. SALT AND NUTRIENT MANAGEMENT STRATEGIES</b>
<ul style="list-style-type: none"> <li>• Load Reduction Goals</li> <li>• Future Land Development and Use</li> <li>• Salt/Nutrient Management Options</li> <li>• Salt/Nutrient Management Strategies and Modeling <ul style="list-style-type: none"> <li>• Management Strategy Model Results</li> <li>• Feasibility</li> <li>• Cost</li> </ul> </li> </ul>
<b>V. BASIN MANAGEMENT PLAN ELEMENTS</b>
<b>1. GROUNDWATER MANAGEMENT GOALS</b>
<ul style="list-style-type: none"> <li>• Groundwater Management Goals</li> <li>• <b>Recycled Water and Stormwater Use/Recharge Goals and Objectives</b></li> </ul>
<b>2. BASIN MONITORING PROGRAMS</b>
<ul style="list-style-type: none"> <li>• <b>Identify Responsible Stakeholder(s) Implementing the Monitoring</b></li> <li>• Monitoring Program Goals</li> <li>• Sampling Locations</li> <li>• <b>Water Quality Parameters</b></li> <li>• <b>Sampling Frequency</b></li> <li>• Quality Assurance/Quality Control</li> <li>• Database Management</li> </ul>

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<ul style="list-style-type: none"> <li>• Data Analysis and Reporting</li> <li>• Groundwater Level Monitoring</li> <li>• <b>Basin Water Quality Monitoring</b></li> <li>• <b>Groundwater Quality Monitoring</b> <ul style="list-style-type: none"> <li>• <b>Areas of Surface Water and Groundwater Connectivity</b></li> <li>• <b>Areas of Large Recycled Water Projects</b></li> <li>• <b>Recycled Water Recharge Areas</b></li> </ul> </li> <li>• Surface Water Quality Monitoring</li> <li>• Stormwater Monitoring</li> <li>• Wastewater Discharge Monitoring</li> <li>• Recycled Water Quality Monitoring</li> <li>• Salt and Nutrient Source Loading Monitoring</li> <li>• Other Constituents of Concern</li> <li>• Water Balance Monitoring <ul style="list-style-type: none"> <li>• Climatological Monitoring</li> <li>• Surface Water Flow Monitoring</li> <li>• Groundwater Production Monitoring</li> </ul> </li> </ul>
3. SALT AND NUTRIENT LOAD ALLOCATIONS
VI. <b>CEQA ANALYSIS</b>
VII. <b>ANTIDEGRADATION ANALYSIS</b>
VIII. PLAN IMPLEMENTATION
1. <b>SALT AND NUTRIENT MANAGEMENT PROGRAM</b>
<ul style="list-style-type: none"> <li>• Organizational Structure</li> <li>• <b>Stakeholder Responsibilities</b></li> <li>• <b>Implementation Measures to Manage Salt and Nutrient Loading</b></li> <li>• Salt/Nutrient Management <ul style="list-style-type: none"> <li>• Water Supply Quality</li> <li>• Regulations of Salt/Nutrients</li> <li>• Load Allocations</li> <li>• Salt and Nutrient Source Control</li> <li>• CEC Source Control</li> <li>• Site Specific Requirements</li> </ul> </li> <li>• Groundwater Resource Protection</li> <li>• Additional Studies</li> </ul>
2. PERIODIC REVIEW OF SALT/NUTRIENT MANAGEMENT PLAN
<ul style="list-style-type: none"> <li>• Adaptive Management Plan</li> <li>• Performance Measures</li> <li>• Performance Evaluation</li> </ul>
3. COST ANALYSIS
<ul style="list-style-type: none"> <li>• CWC § 13141, "...prior to implementation of any agricultural water quality control program, an estimate of the total cost of such a program, together with an identification of potential sources of funding, shall be indicated in any regional water quality control plan."</li> </ul>
4. IMPLEMENTATION SCHEDULE

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5. PUBLIC HEARING AND ADOPTION

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