Overview

- What is a Basin Plan Triennial Review?
- Water Board staff review of issue areas
  - Priority projects from last triennial review
  - Review of beneficial uses
  - Review of water quality objectives
  - Updates to the Implementation Plan
  - Updates to Plans and Policies
- Discussion and next steps
What is a Basin Plan?

Master Planning Document for Water Board

- Regulatory
  - Beneficial uses, water quality objectives
  - And implementation plan [effluent limits, discharge prohibitions, permit programs, TMDLs]

- Information
  - Maps, tables, plans and policies, program descriptions, and related regulations
What is a Triennial Review?

- Clean Water Act Section 303(c)(1): *a state’s water quality standards shall be reviewed every three years*

- Planning Workplan (non-TMDL)

- Elements of the review process:
  - Attainability of existing standards and associated implementation programs
  - Indicators of environmental degradation and need for additional protection
  - Regulatory implementation program updates
What is a Triennial Review? (cont.)

- Formal process for interested parties to provide input to the Water Board workplan for Basin Planning
- Interested parties include:
  - The public: organizations and individuals
  - Regulated community
    - Permittees with Waste Discharge Requirements
    - NPDES permits, 401 Water Quality Certifications
- Review required by California and federal law
  - Section 13240 of CWC requires periodic review of standards
  - CWA requires each state to conduct a “continuing planning process” approved by U.S. EPA [CWA 303(e)]
## Review of 2012 Workplan

<table>
<thead>
<tr>
<th>Project</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stream and Wetlands System Protection Policy</td>
<td>Work ongoing</td>
</tr>
<tr>
<td>Develop Nutrient Water Quality Objective</td>
<td>Work ongoing</td>
</tr>
<tr>
<td>Develop and Implement Biological Objectives</td>
<td>Work ongoing</td>
</tr>
<tr>
<td>Develop Site-Specific Dissolved Oxygen Objectives for SF Bay</td>
<td>Work ongoing</td>
</tr>
</tbody>
</table>
# Review of 2012 Workplan

<table>
<thead>
<tr>
<th>Project</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amend Wet Weather Overflow Implementation</td>
<td>Completed</td>
</tr>
<tr>
<td>Update Basin Plan’s Toxicity Testing Requirements</td>
<td>State Policy delayed</td>
</tr>
<tr>
<td>Contaminants of Emerging Concern</td>
<td>Strategy developed</td>
</tr>
<tr>
<td>On-Site Wastewater Treatment System Policy</td>
<td>Completed (not in top tier)</td>
</tr>
<tr>
<td>Salt and Nutrient Management Plans</td>
<td>One plan completed, progress on others (not in top tier)</td>
</tr>
</tbody>
</table>
2015 Triennial Review Topics

- Update beneficial Uses
- Update water quality objectives
- Update implementation plan
- Update plans and policies
- Minor editorial revisions
Update Beneficial Uses

- Add unnamed water bodies receiving discharges
  - Some waters in NPDES permits, but not in Basin Plan
- Review for the presence of the COMM use
  - COMM is impaired when fish not safe to eat
- Align Ocean Plan and Basin Plan relative to REC1
  - Basin Plan lacks detail about REC1 applicability to ocean
- Complete stream & wetland protection policy
  - Two new beneficial uses and implementation plan
Update Water Quality Objectives

Statewide and Federal Objectives

- Update toxicity testing requirements
- Revise pentachlorophenol WQ objectives
- Develop numeric nutrient endpoints
  - Numeric guidance and assessment tools in freshwater
  - Assessment framework & numeric endpoints for estuaries
- Incorporate 2012 U.S. EPA REC bacteria criteria
- Review un-ionized ammonia objective for SF Bay
Update Water Quality Objectives

Regional Issues

➢ Refine/Develop site-specific oxygen objectives for SF Bay
  • Initial efforts in Suisun Marsh, extend elsewhere

➢ Develop nutrient water quality objectives for SF Bay
  • Nutrient management strategy well underway

➢ Develop and implement biological objectives
  • Work on region-specific biological metrics

➢ Lake Merced dissolved oxygen and pH objectives
  • Site-specific objectives for urban SF lake
Update Implementation Plans

- Screening levels for groundwater cleanup
  - Would focus attention on significant contaminant concerns
- Low-threat site closure requirements
  - Builds on State policy (petroleum sites) to include solvent sites
- Use wastewater to create, restore and enhance wetlands
  - Existing policies and permitting issues currently impede use
- Update conditions for prohibition exemptions
  - Treatment reliability is expected, not special
Update Implementation Plans

- Regulatory strategy for emerging contaminants
  - Incorporate risk-based strategy into Basin Plan
- Update cyanide dilution credits
  - Develop dilution credit for currently missing waterbodies
- Salt and nutrient management plans
  - Regional implementation of 2009 Water Recycling Policy
**Update Plans and Policies**

<table>
<thead>
<tr>
<th>TMDL Projects we are working on</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butano and Pescadero Creeks Sediment</td>
</tr>
<tr>
<td>San Francisco Bay Beaches pathogens</td>
</tr>
<tr>
<td>San Mateo Coast, Fitzgerald Marine Reserve/San Vicente Creek Pathogens</td>
</tr>
<tr>
<td>Pacific Dry Dock II (sediment hot spot)</td>
</tr>
<tr>
<td>Petaluma River nutrients and pathogens</td>
</tr>
<tr>
<td>Permanente Creek selenium</td>
</tr>
<tr>
<td>San Gregorio Creek sediment</td>
</tr>
<tr>
<td>Stevens Creek toxicity</td>
</tr>
<tr>
<td>Statewide Policy on mercury in reservoirs</td>
</tr>
<tr>
<td>Suisun Marsh dissolved oxygen, mercury and nutrients</td>
</tr>
</tbody>
</table>
Update Plans and Policies

- Priority Ranking for TMDL development
  - TMDLs we plan to develop over next few years

- Climate change and water resources policy
  - Add narrative description of climate change impacts
  - Describe efforts Board can/should do to respond

- Policy for managing mercury in restored wetlands
  - Goal: create clear direction for wetland management
Minor Editorial Revisions

- Clarify turbidity water quality objective
  - Make language easier to interpret & consistent with turbidity objectives in other Basin Plans.

- Other editorial changes
  - Updating discussion related to discharges to Areas of Special Biological Significance
  - Updating discussion on oil spills
  - Correcting discharge location coordinates
Next Steps

- Written feedback due **Tuesday August 18**
  - Email to Rlooker@waterboards.ca.gov
- Meeting summary posted to website
- We develop ranked priority project list
- Board hearing on workplan in late 2015
Your turn to give feedback

- Please raise hand to speak
- **Moderator will recognize you**
- Please state name and affiliation for notes