



Stream and Wetland Systems Protection Policy

San Francisco Bay Regional Water Quality Control Board

Degradation



Thompson Creek



Arroyo Las Positas

Stream and Wetland System Functions

- Pollutant filtration
- Sediment transport and storage
- Streambank stabilization
- Fish and wildlife habitat
- Flood water storage
- Groundwater recharge



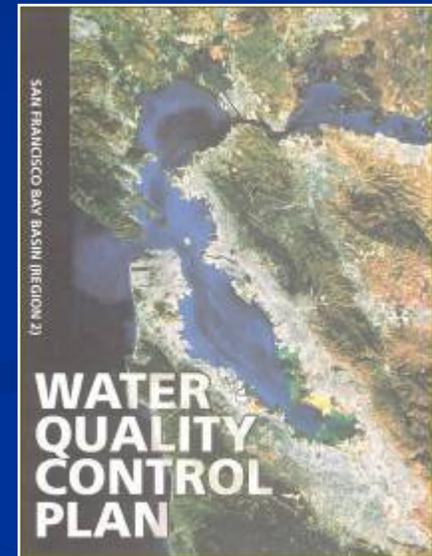
Berryessa Creek



Napa River

Proposed Basin Plan Amendment

- Beneficial Uses
- Water Quality Objectives
- Implementation Plan



Beneficial Use

Flood Water Storage / Flood Peak Attenuation

Waterbodies that receive and store natural surface drainage, buffer its passage through natural geomorphic processes, and reduce the magnitude of flooding in downstream areas.



Napa River

Beneficial Use

Water Quality Enhancement

Waterbodies that support natural enhancement of water quality including:

- filtration of water pollutants
- streambank stabilization
- maintenance of channel integrity
- temperature moderation
- erosion control
- sediment storage



Sonoma Creek



Suisun Creek

Water Quality Objectives

- Watershed Hydrology
- Stream Equilibrium
- Wetland and Riparian Area Integrity



Guadalupe Creek

Implementation

Policy Application

Link to existing permits and programs:

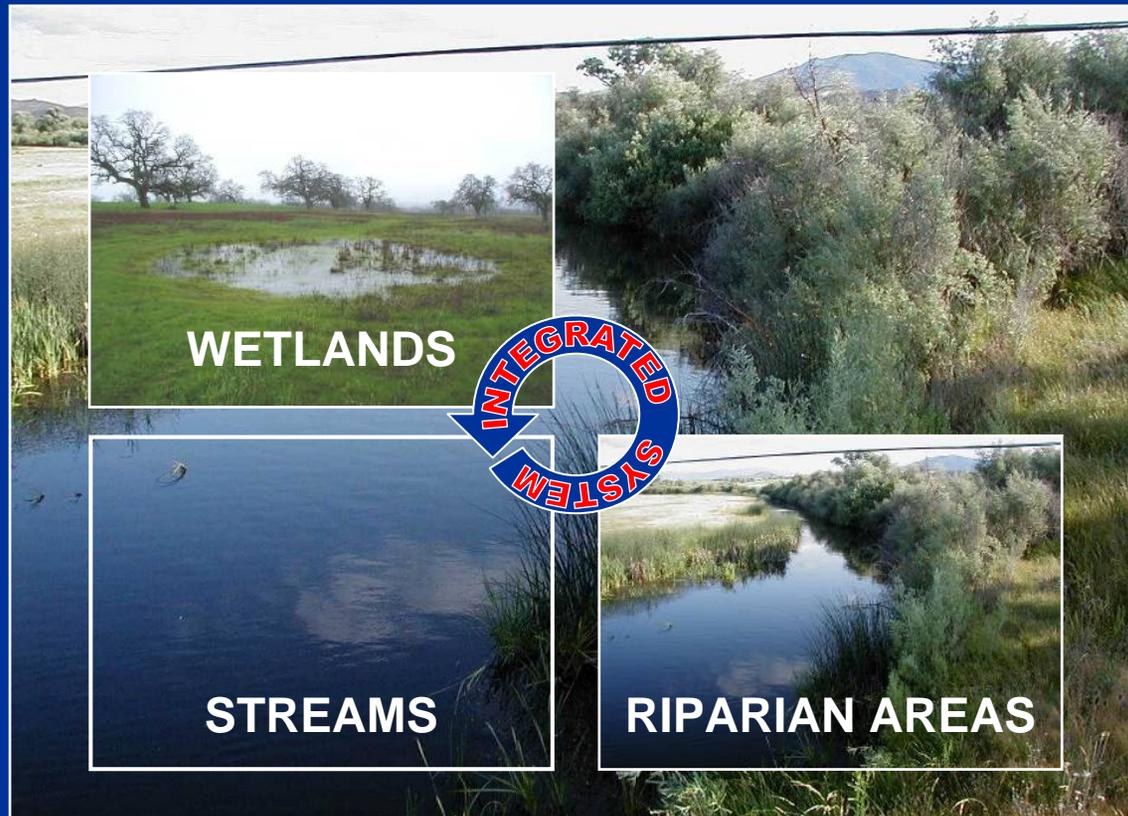
- WDRs
- 401 certifications
- THP reviews
- CEQA reviews
- WDR waivers
- NPDES permits
- TMDL implementation
- Grants

Improve regulation of the following activities:

- In-channel activities
- Wetland disturbance
- Riparian area disturbance
- Floodplain management
- Stormwater and runoff management

Implementation

- Provide guidance (definitions and identification methodologies) on policy application



Shasta River

Implementation

Performance Criteria and Permit Conditions

- Provide flexibility for different watershed conditions
- Link to permit conditions to assess attainment of water quality standards



Canopy Cover



Bank Stabilization

Policy Implementation Example

- Is the activity affecting waters of the state?
- Application of beneficial uses and water quality objectives
- 401 Certification/WDR conditions:
 - Stormwater runoff
 - Riparian vegetation
 - Channel conditions
 - Mitigation

Questions?

