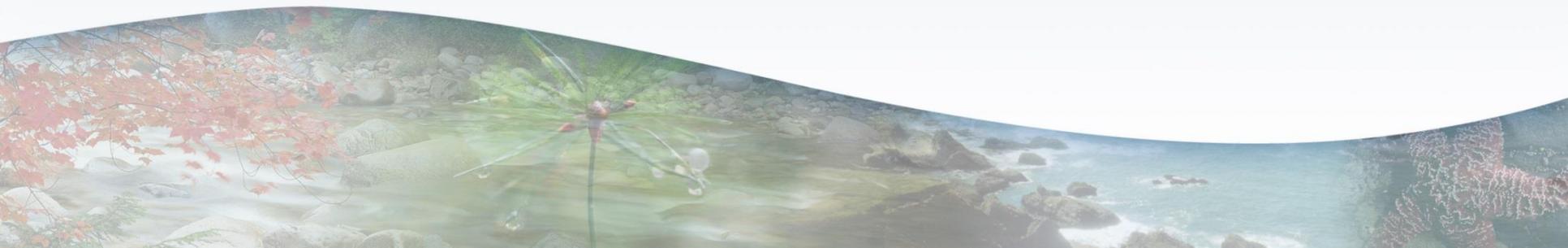


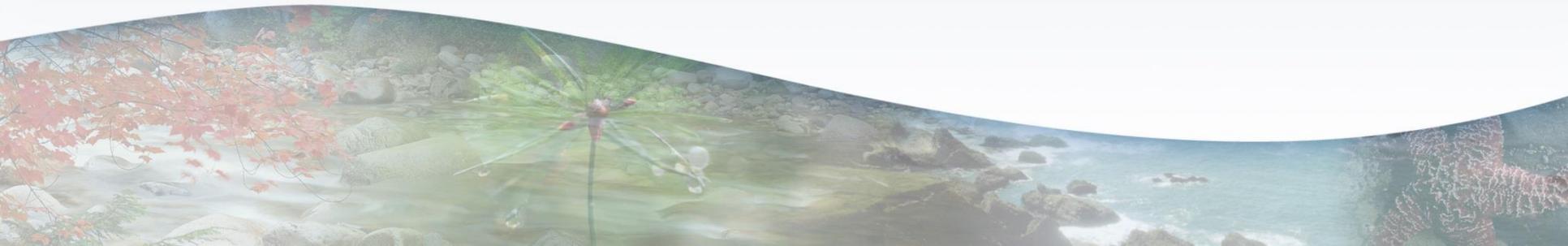
2014 Triennial Review of the *Water Quality Control Plan for the North Coast Region*

Public Scoping Workshops
April 8 in Santa Rosa, April 9 in
Redding, and May 8 in Fortuna



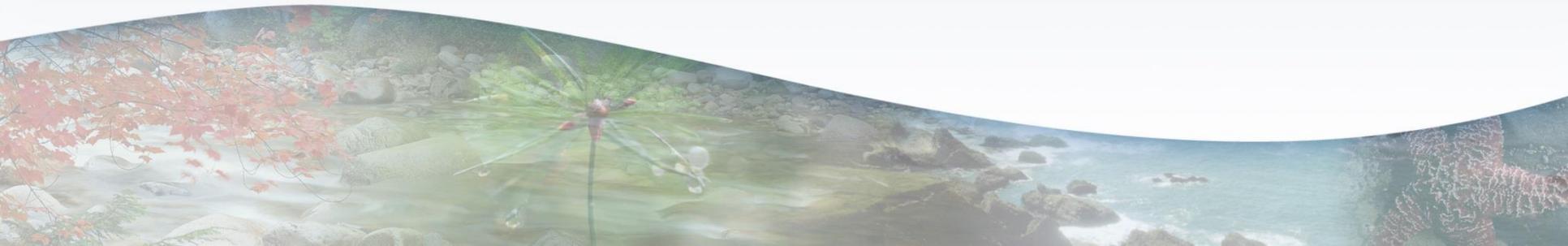
Presentation Summary

- Overview of the Basin Plan
- Overview of the Triennial Review process
- Summary of 2011 Triennial Review
- Triennial Review process for 2014



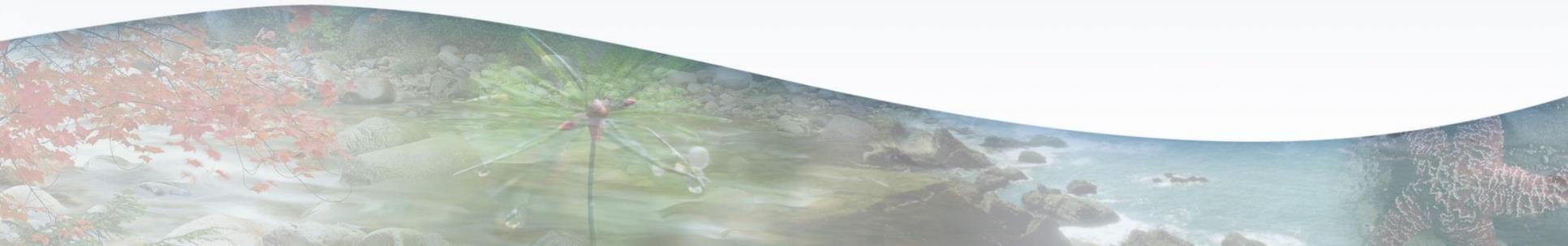
Water Quality Control Plan for the North Coast Region (Basin Plan)

The Basin Plan contains the regulations adopted by the North Coast Regional Water Quality Control Board (Regional Water Board) to control the discharge of waste and other water quality factors which have the potential to affect the beneficial uses of the waters of the state within the boundaries of the North Coast Region.



North Coast Region

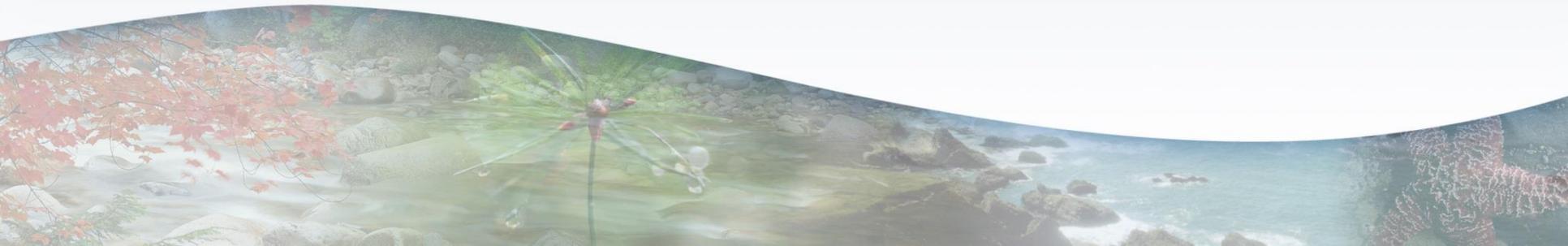
- Waters of the state are “any surface water or groundwater, including saline waters, within the boundaries of the state.” (CWP § 13050(e))
- The North Coast Region “comprises all basins...draining into the Pacific Ocean from the California-Oregon stateline southerly to the southerly boundary of the watershed of Estero de San Antonio and Stemple Creek in Marin and Sonoma Counties.” (CWC § 13200)



Basin Plan Format

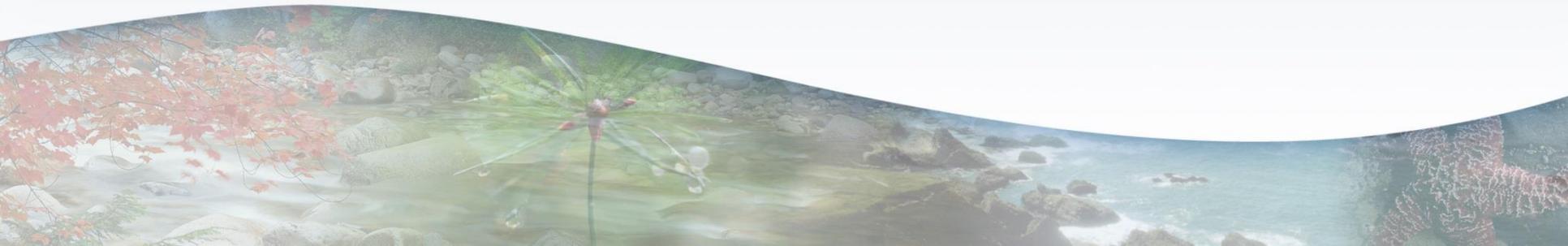
The Basin Plan is made up of six sections:

- Ch. 1- Introduction
- Ch. 2 - Beneficial Uses
- Ch. 3 - Water Quality Objectives
- Ch. 4 - Implementation Plans
- Ch. 5 - Statewide Plans and Policies
- Ch. 6 - Surveillance and Monitoring Activities



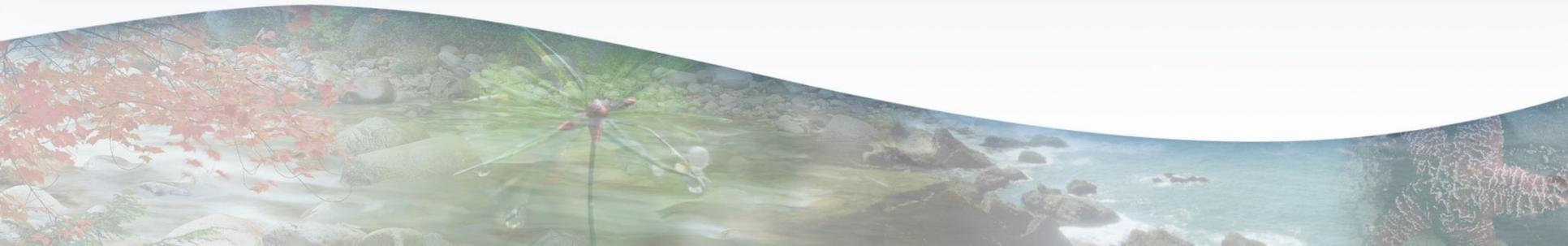
Chapter 1- Introduction

- State *Porter-Cologne Water Quality Control Act* and the Federal *Clean Water Act*
- Purpose of Basin Plan and history
- Regional setting
- Planning on a 40-50 year horizon



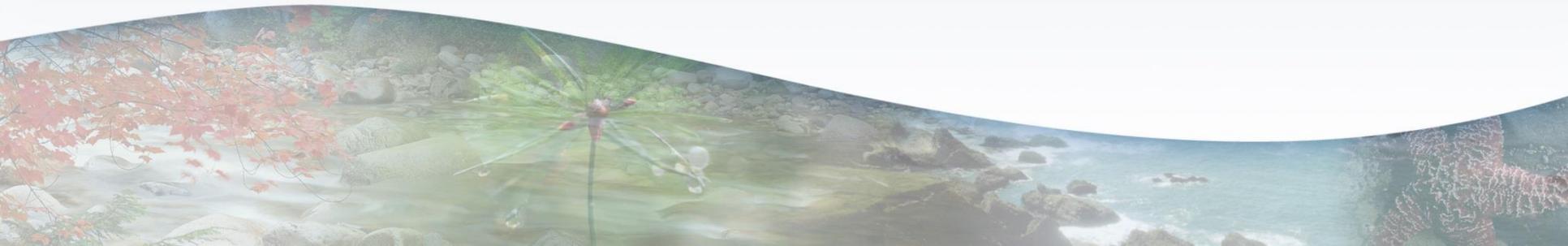
Chapter 2- Beneficial Uses

“Beneficial uses of water are those uses of water that may be protected against degradation of quality such as; but not limited to, domestic, municipal, agricultural supply, industrial supply, power generation, recreation, aesthetic enjoyment, navigation, preservation and enhancement of fish, wildlife and other aquatic resources or preserves.” (CWC §13050(f))



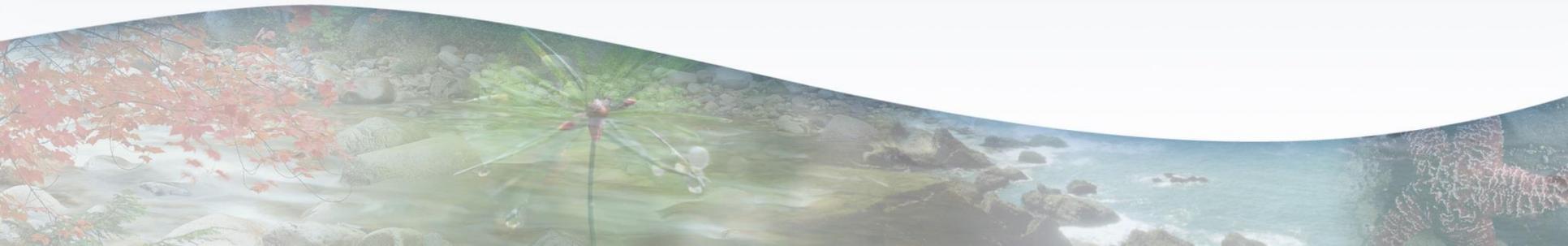
Chapter 2- Beneficial Uses

- In 1972, the State Water Board adopted a uniform list of beneficial uses to be applied throughout the state. This list was updated in 1996.
- North Coast Basin Plan also includes:
 - Wetland Habitat (WET),
 - Flood Peak Attenuation/Flood Water Storage (FLD),
 - Water Quality Enhancement (WQE),
 - Native American Culture (CUL) *and*
 - Subsistence Fishing (FISH).



Chapter 2- Beneficial Uses

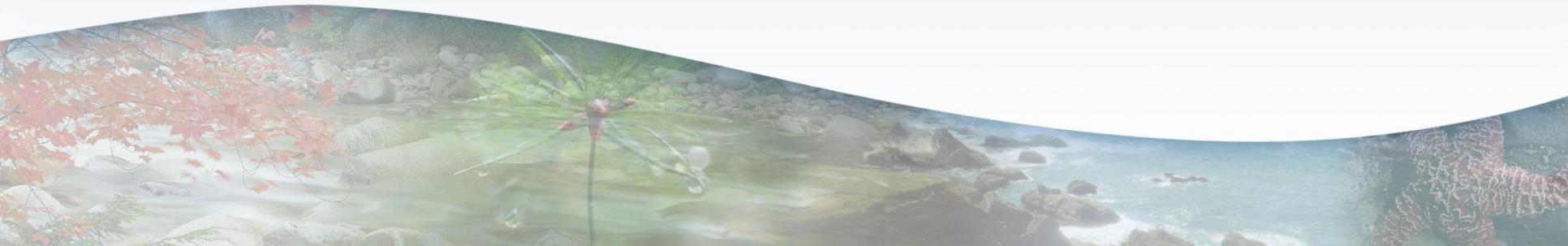
- Table 2-1 includes beneficial uses identified in each hydrologic unit
- Updated in 2005 and editorial revisions of chapter in 2011
- Existing uses must be protected whether or not listed in Table 2-1
- Downstream uses must be protected from upstream discharges and other water quality factors



Chapter 3- Water Quality Objectives

“Water Quality Objectives” are:

- Limits or levels of water quality constituents or characteristics established for
 - Reasonable protection of Beneficial Uses of water, or
 - Prevention of nuisance within a specific area

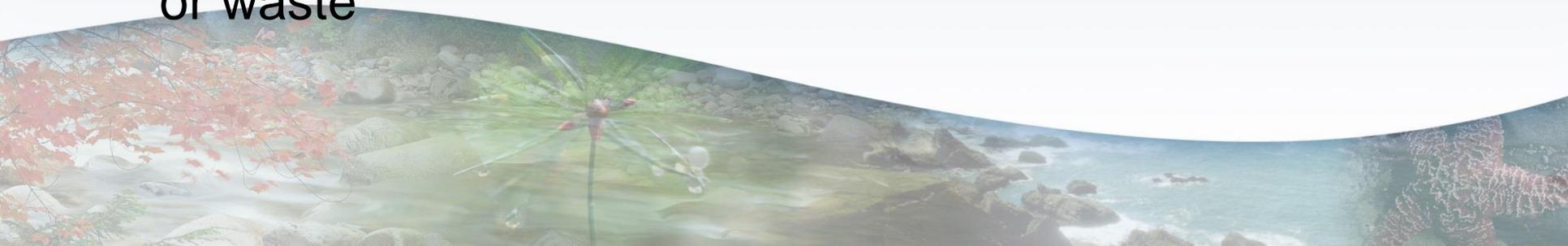


Nuisance

CWC §13050 (m)

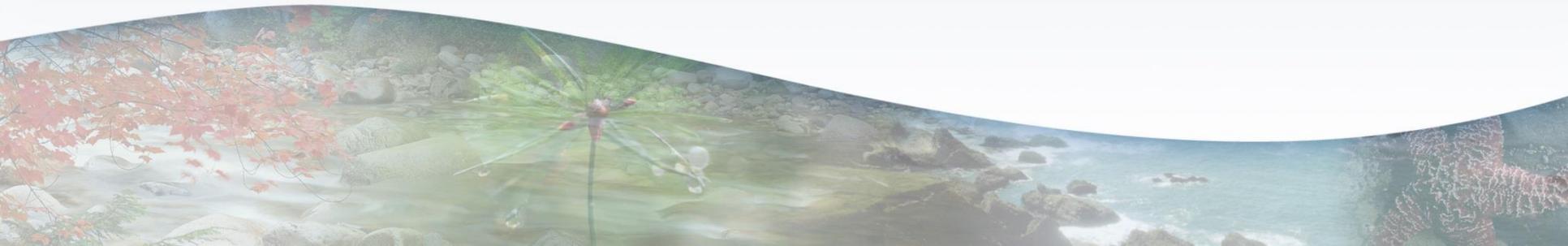
Anything which meets all of the following:

- Is injurious to health, or is indecent or offensive to the senses, or an obstruction of the free use of property so as to interfere with comfortable enjoyment of life or property
- Affects at the same time an entire community of neighborhood, or any considerable number of person, although the extent of the annoyance or damage inflicted up individuals may be unequal
- Occurs during, or as a result of the treatment or disposal or waste



Water Quality Objectives

- **Numeric**
 - Specifies a concentration limit or range
- **Narrative**
 - Describes a requirement or prohibits a condition harmful to beneficial uses or that causes nuisance



Water Quality Objectives

Surface

- Bacteria
- Biostimulatory Substances
- Chemical Constituents
- Color
- Dissolved Oxygen*
- Floating Material
- Oil and Grease
- Pesticides
- pH*
- Radioactivity

Water:

- Sediment
- Settleable Material
- Specific Conductance*
- Suspended Material
- Taste and Odor
- Temperature*
- TDS*
- Toxicity
- Turbidity

Groundwater:

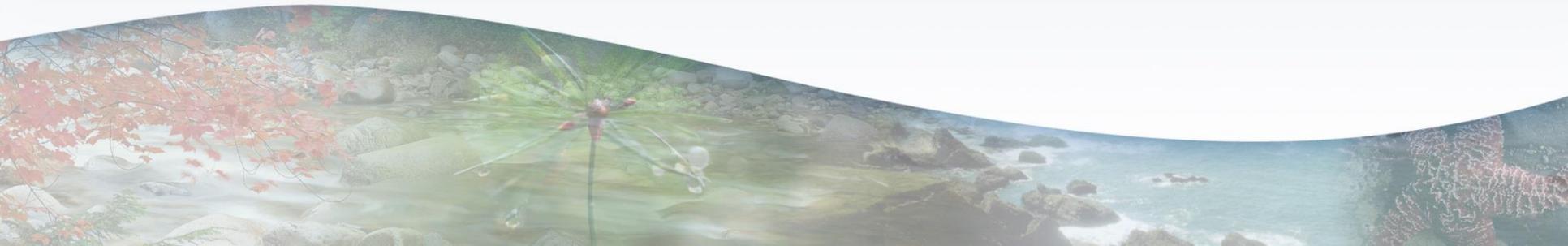
- Bacteria
- Boron*
- Chemical Constituents
- Hardness*
- pH*
- Specific* Conductance
- Radioactivity
- Taste and Odor

* Table 3-1 and 3-1a Specific Objectives

Antidegradation

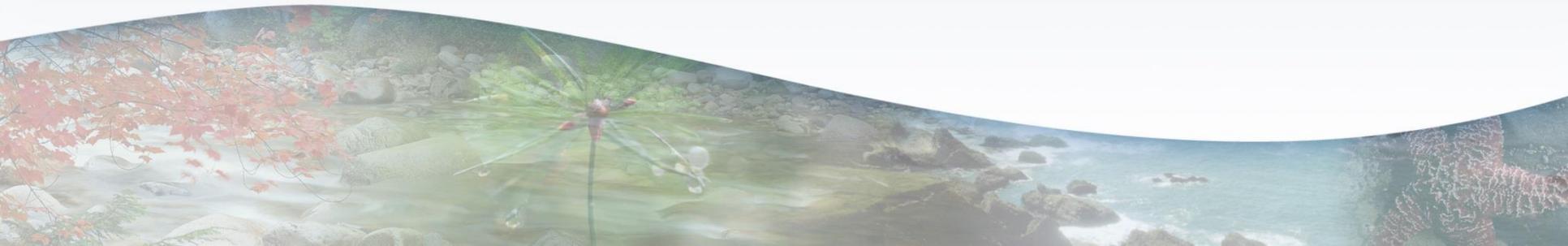
State Water Board *Resolution 68-16*:

“Whenever the existing quality of water is better than the quality established in policies, . . . such existing high quality will be maintained...”



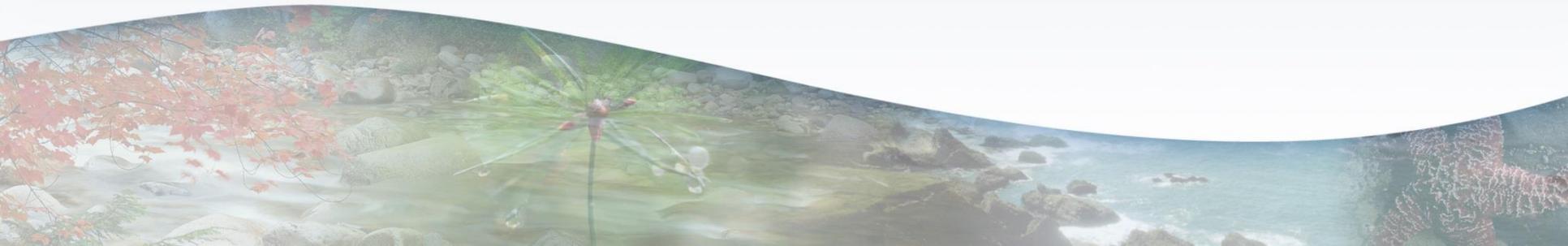
Chapter 4- Implementation

- Waste Discharge Prohibitions
- Schedules of Compliance
- Action Plans
- Policies
- Guidelines



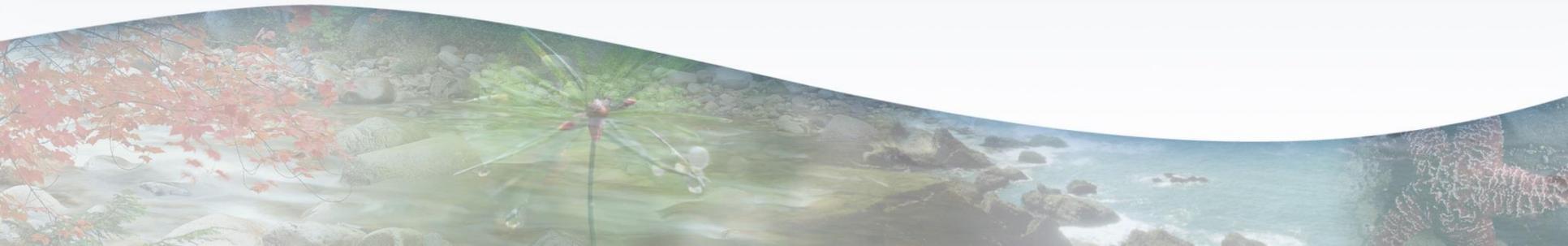
Waste Discharge Prohibitions

- Point Source Discharge Prohibition
- Sediment Prohibition
- Klamath Prohibition



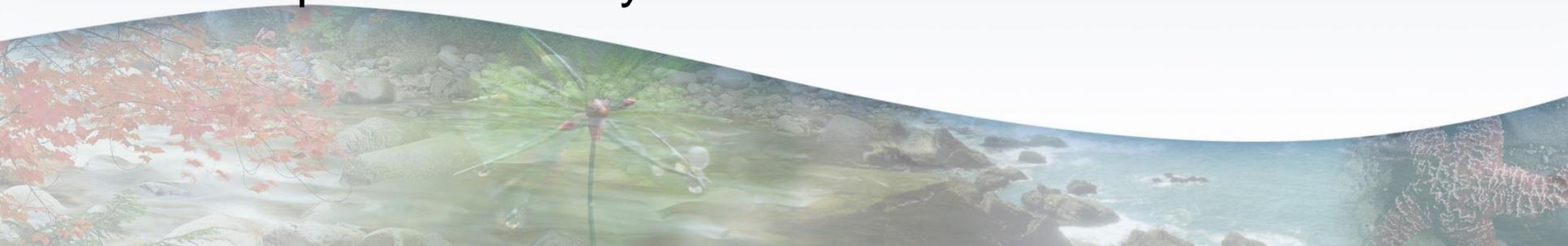
Action Plans

- Humboldt Bay Area, Santa Rosa Area, Trinity River
- Underground Petroleum Tanks, Groundwater Cleanup
- Low Threat Discharges, Stormwater Discharges
- Mining, Accidental Spills
- Logging and Construction, Herbicides from Silvicultural Application
- TMDL Action Plans



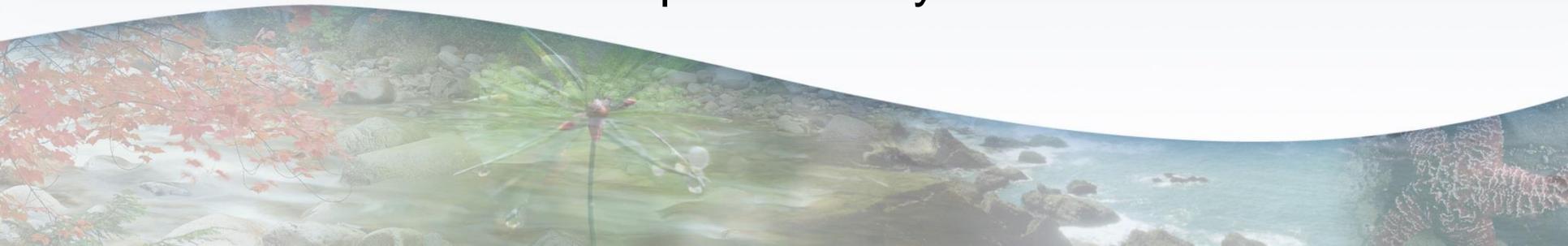
Policies

- Onsite Systems
- Disposal of Solid Waste
- Agricultural Wastewater Management
- Fish Hatcheries
- Residual Wastes
- Control of Herbicide Wastes from Silvicultural Applications
- Sediment TMDL Implementation Policy
- Temperature Policy



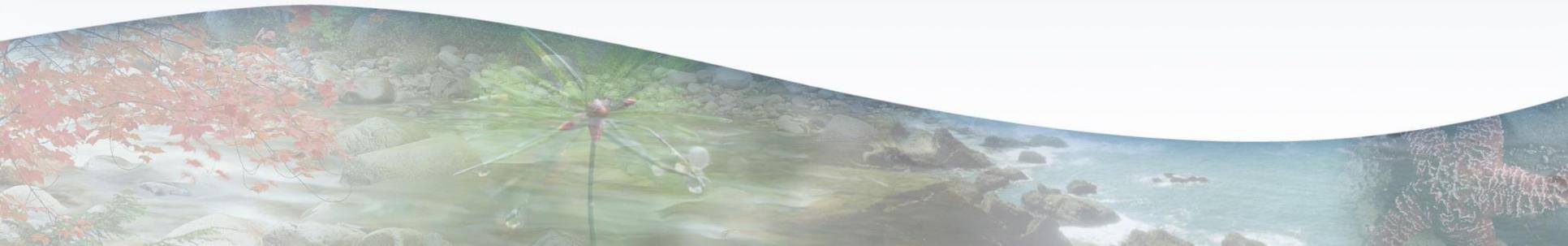
Chapter 5- State Board Plans and Policies

- Thermal Plan
- Ocean Plan
- Nonpoint Source Management Plan
- Antidegradation Policy
- Sources of Drinking Water Policy
- Bays and Estuaries Policy
- Power Plant Cooling Policy
- Reclamation Policy
- Shredder Waste Disposal Policy



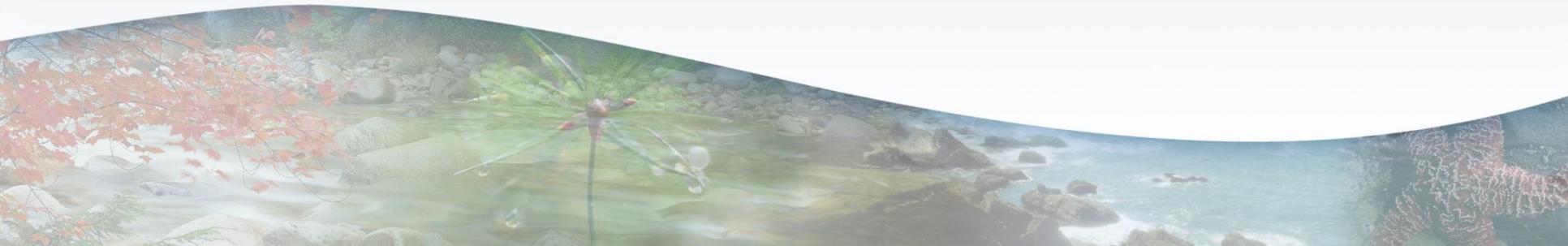
Chapter 6- Monitoring

- Ambient Water Quality Monitoring
- Trend Monitoring
- Effectiveness Monitoring
- Compliance Monitoring



Triennial Review Process

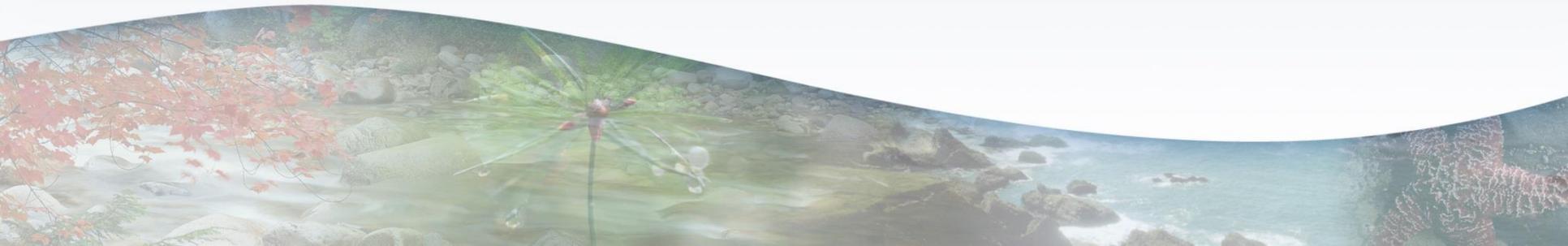
- Review basin plan at least once each three-year period to keep pace with changes in regulation, new technologies, policies, and physical changes within the region. (CWC §13240 and Clean Water Act Section 303(c)(1))
 - Identify those portions in need of modification or new additions;
 - Adopt standards as appropriate; and
 - Recognize those portions of the Basin Plan which are appropriate as written.
- Solicit written and oral public input
- Highest priority projects are included on a “short list” which establishes the workplan of the Regional Board’s Planning Unit for the next 3-year period.



2011 Triennial Review

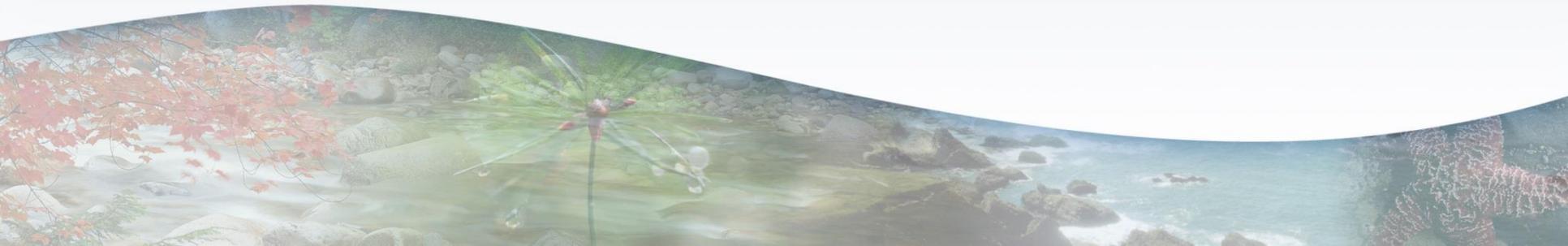
The projects included on the 2011 short list:

- TMDL-related projects in the Elk River, Freshwater Creek, Eel River, Mattole River, Navarro River, Russian River, and the Laguna de Santa Rosa;
- Temperature Implementation Policy;
- Water quality objectives for groundwater and surface water, including new and revised programs of implementation;
- DO objectives for free-flowing streams, wetlands, and lakes; and,
- Aquatic Ecosystem Restoration Policy.



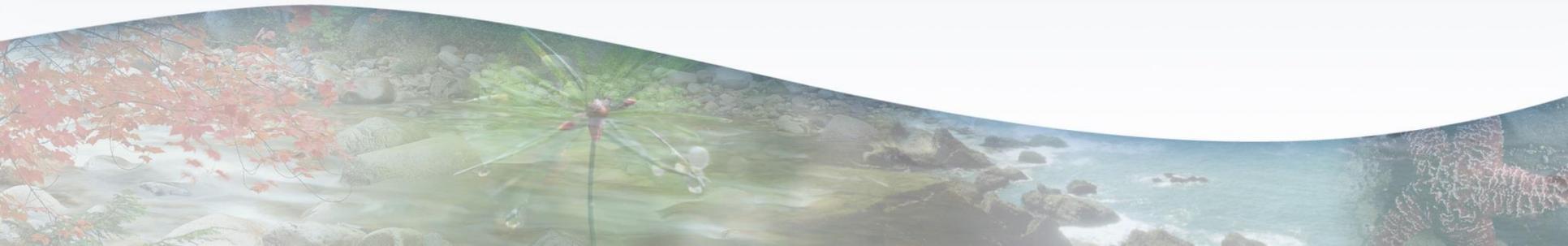
Triennial Review Process for 2014

- Hold all-staff meeting (April 1)
- Hold 3 Public Workshops, including Board members:
 - Santa Rosa (April 8),
 - Redding (April 9), and
 - Fortuna (May 8)
- Deadline for written recommendations: June 20, 2014



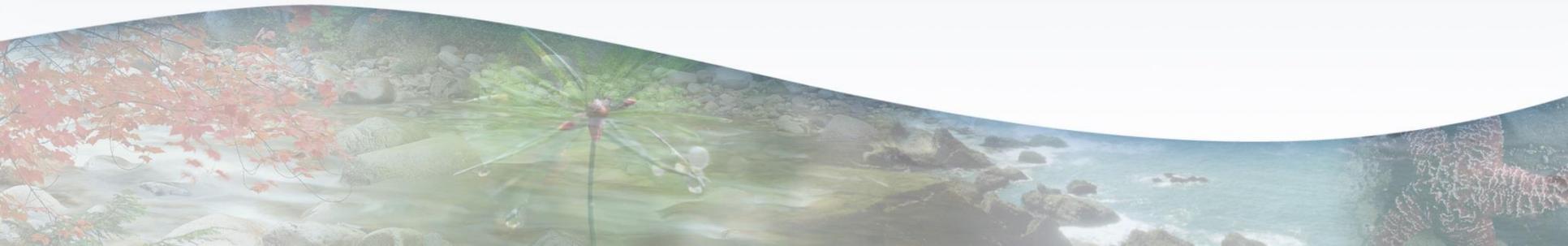
Triennial Review Process for 2014

- Staff Analysis
- Release documents for public review
 - Include staff recommendations for priority list of projects
 - Summarize and respond to public input
- Adoption Hearing
 - Fall Board meeting (November 2014) – consider adoption of priority list of issues for 2014 – 2017 period.



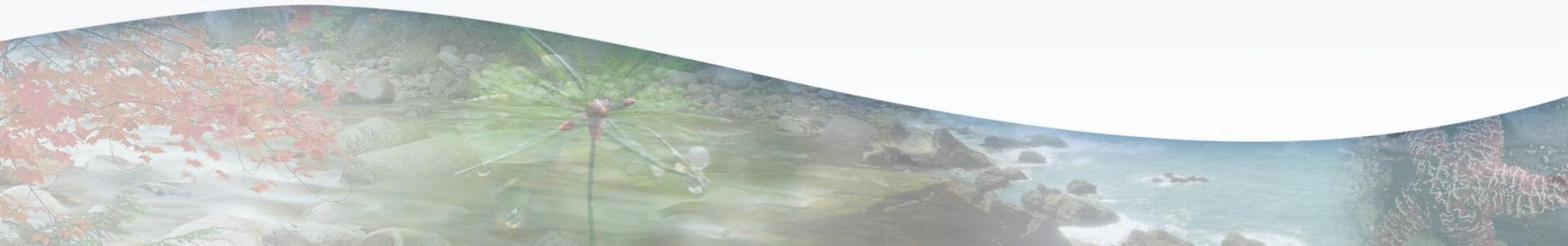
Recommendations to date

- Exemption from seasonal point source discharge prohibition,
- Mixing Zone Policy for human health-based water quality objectives,
- Flow objective
- Reassessment of discharge control programs in streams and rivers with potential to effect of new Gulf of Farallones Sanctuary



Recommendations to date

- Clarifications to Hatchery Policy
- Clarifications on Monitoring, (including tissue, sediment, and recycle water)
- Assessment of shallow groundwater and use/protection
- Natural sources exclusion policy



Task	2011 Issue (con't)	2011 Short List	Comments
6	Stream & Wetlands Policy	No	Region 2 lead on Task 6, State Water Board team developing wetlands definition, etc
7	Instream Flow (Watershed Hydrology) Objective	No	Currently included in Task 6, but could be included as part of other Tasks
8	Mixing Zone for Human Health Constituents	No	Background report available on Regional Water Board's website
9	Hatcheries Policy	No	
10	Table 2-1 - Beneficial Uses	No	
11	Outstanding Natural Resource Waters	No	
12	Ammonia Objective	No	
13	Fluoride Objective	No	
14	Low Flows in Lower Russian River and other impaired waterbodies	No	New issue since 2007, can be addressed as part of other Tasks
15	Dissolved Oxygen Objectives for Estuaries	No	New issue since 2007
16	Surface Water Toxicity Objective	No	New issue since 2007
17	Table 3-1 for Upper Russian River	No	New issue since 2007
18	Recycled Water Reservoirs – 25 year return frequency	No	New issue since 2007
19	pH Objective	No	New issue since 2007
20	TMDL Action Plans for Impaired Waters, not included in Task 1	No	Ongoing issue
21	Freshwater Bacteria Objectives	No	State lead
22	Nutrients Objectives	No	State lead
23	Chlorine Objectives	No	State lead
24	Biological Objectives	No	State lead
25	Onsite Waste Treatment Policy	No	State lead
26	Mercury Objectives and Implementation Program	No	State lead
27	Endocrine Disruptor Objectives	No	State Water Board lead on monitoring under Recycled Water Policy; include as part of Task 3, as appropriate
28	Salt and Nutrient Management Plans	No	New issue since 2007, stakeholder lead
29	Copper Objective	No	New issue since 2007
30	Location of Estuary, Harbors, Enclosed Bay Boundaries	No	New issue since 2007, include in editorial revisions to Chapter 2 and/or 3
31	Editorial Revisions to Chapter 3, 4, and 6	No	Will be included in Task 3

Contacts

http://www.waterboards.ca.gov/northcoast/water_issues/programs/basin_plan/triennial_review.shtml

- Join the Basin Planning lyrics list for updates

Written comments due by June 20, 2014

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