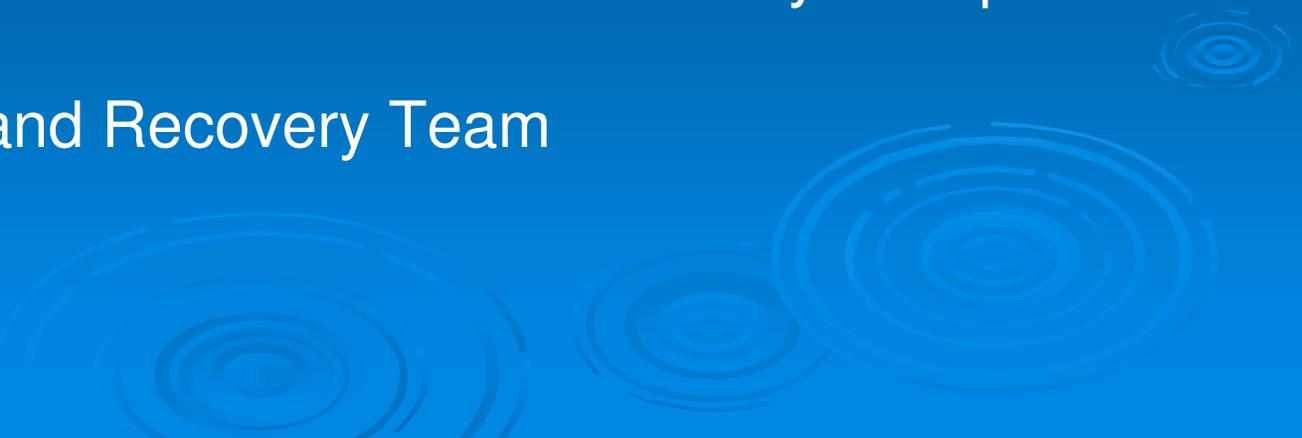


**TMDL Project Update**  
**TMDL Basics**  
**Nexus TMDL to TRVRT**

Deborah Jayne



# Topics

- Decision to slow TMDL development process down
  - Create Stakeholder Advisory Group
  - Status of existing TMDL project
  - TMDL basics
  - TMDL/BPA process
  - What we want Stakeholder Advisory Group to do
  - Revised Schedule for our TMDL Project (Anticipated)
  - Time Commitment for Stakeholder Advisory Group (Anticipated)
  - Nexus TMDL and Recovery Team
- 

# Slow Down TMDL Project ...

- In order to Invite TRVRT to partner with us on TMDL Development



# Major Message

- Slow Down TMDL to Invite TRVRT to Partner
  - Want to Form Stakeholder Advisory Group
  - Proposing Stakeholder Advisory Group be the TRVRT
  - Your comments?
- 

# Current Status of TMDL Project

- Technical Support Document (TSD)
- TSD is not TMDL
- Early stages of development

# TMDLs Required under Clean Water Act (CWA)

- CWA Requires establish List of Impaired Waters aka 303(d) List
- CWA Requires TMDL for each impaired waterbody/pollutant combination



# Purpose of TMDL

- Restore an impaired waterbody
- Attaining WQS
  - Meeting WQO
  - Protecting BUs



# What is TMDL...?

- Total Maximum Daily Load
  - Set of calculations
  - Watershed-based Implementation Plan
- Maximum amount of specific pollutant that waterbody can receive and still attain WQS
- Max loading capacity, max assimilative capacity

# TMDL has TWO Components

- Calculations
- Implementation Plan (watershed-wide)



# TMDL Staff Report has Two Components

- “Technical TMDL” (Calculations)
- Implementation Plan

# Technical TMDL

➤  $TMDL = \sum WLA_s + \sum LA_s + MOS$

- WLAs for point sources
- LAs for nonpoint sources
- Margin of Safety

# Six Step Process:

## Technical TMDL = Steps 1-5

- 1. Identify all sources in watershed**  
Point and Nonpoint
- 2. Estimate existing load each source**
- 3. Calculate TMDL**
- 4. Allocate TMDL among each of sources**  
Assign WLAs and LAs  
Allocations represent maximum allowed loading
- 5. Calculate required reductions for each source**

# Most Important Step... Implementation Plan

- 6. Everyone Implement TMDL  
DO SOMETHING !!!  
REDUCE POLLUTANT LOADING !!!**



# Implementation Plan

## Who has to do what?

1. Water Board Must Do  
Take Regulatory Action

2. Responsible Parties Must Do

Take Pollutant Reduction Action “on the ground”  
(method of compliance with regulation)



When TMDL Fully Implemented

# **All Sources Meet Assigned Allocation...**

**WQS once again achieved!**

Purpose of TMDL: to Restore Impaired Waterbody to Condition in which WQS once again Attained.



# Other components of Implementation Plan...

- Compliance Schedule
  - Compliance Monitoring
  - CEQA Analysis and Cost Analysis
- 

# TMDLs Adopted by Basin Plan Amendments

All TMDLs must be incorporated into Basin Plan

Basin Plan Amendment

Resolution

Staff Report

Technical TMDL

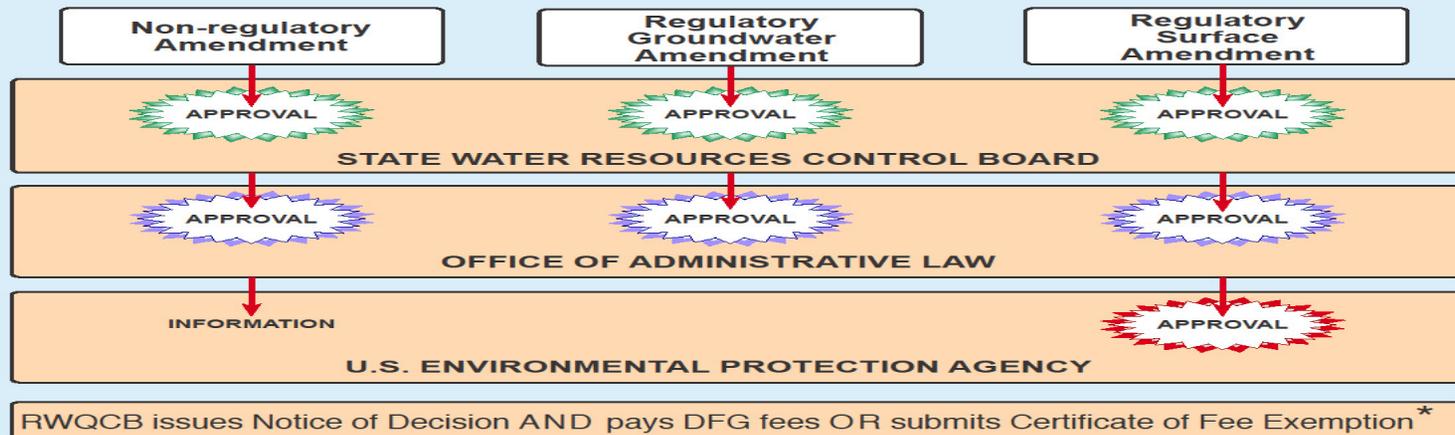
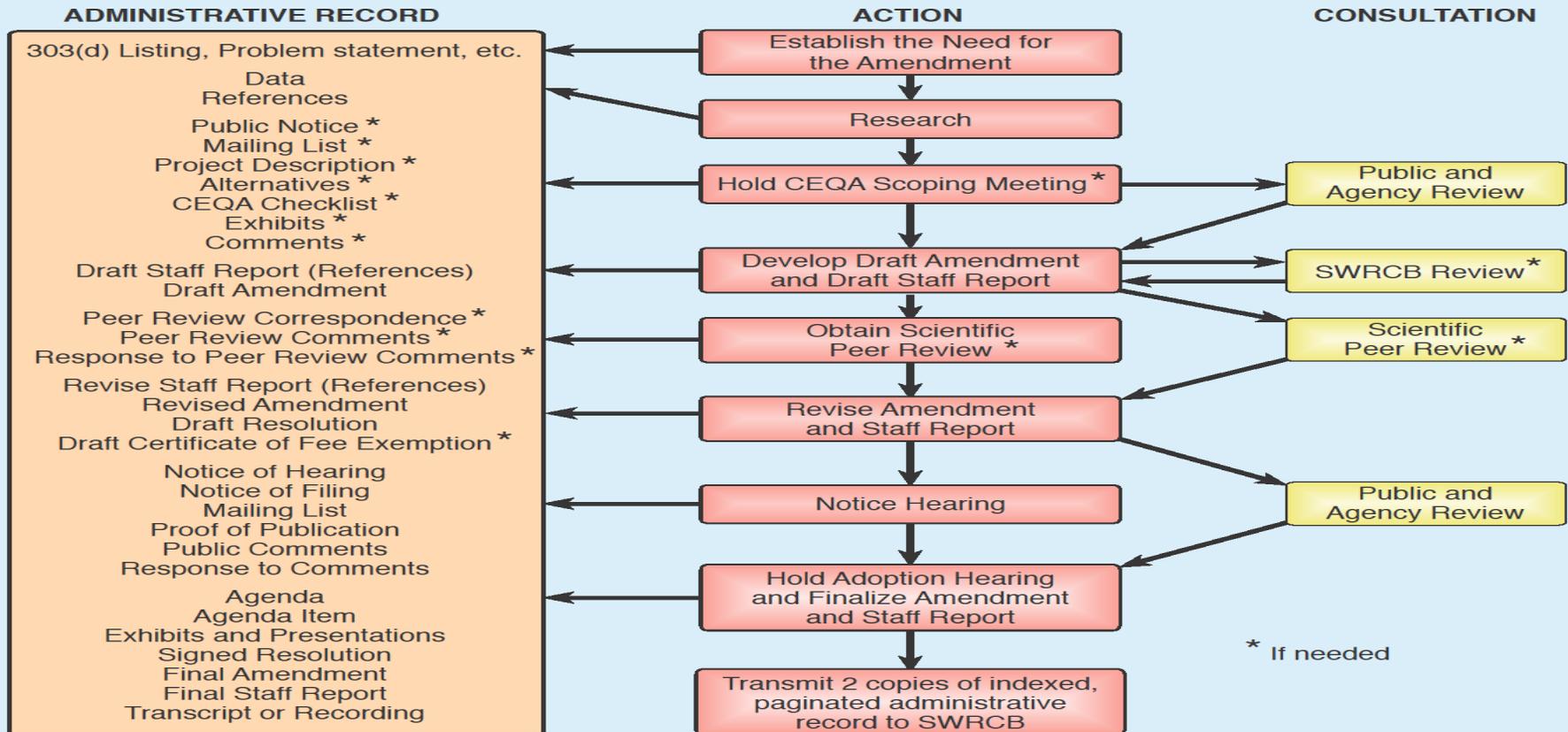
Implementation Plan



# Getting Your Basin Plan Amendment Approved

## BASIN PLANNING PROCESS

Regional Water Quality Control Board



# Basin Planning / Rule-Making Process to Ensure Public Participation and Due Process

- BPA and Reso
- Staff Report (rationale for the BPA)
- CEQA Scoping mtg
- CEQA Environmental Analysis and Cost analysis
- Scientific Peer Review
- Responses to Peer Review
- Formal Public review and comment period
- Formal written responses
- Hearing before SDWB to consider adoption of TMDL (adopt reso adopts BPA/TMDL)
- Additional required approvals (3):
  - SWRCB
  - OAL
  - USEPA
  
- **Now TMDL/BPA is in full effect**
  
- **Must Be Implemented**

# Asking TRVRT to do:

- Form Stakeholder Advisory Group
- Propose that be TRVRT

# Asking TRVRT to do:

- Provide us existing relevant data, info
- Complete & Incorporate on-going studies into TMDL development:
  - H&H
  - Integrated Roadmap
- Incorporate your Integrated Roadmap into our TMDL as the TMDL Implementation Plan.
- Participate with us in making critical decisions

## ➤ Advise us

- Technical Approach to TMDL
- Regulatory Approach
- Collaborative Actions both sides border
- Pollutant Reduction Actions “on the ground”

# Time Frame for TMDL Adoption

- Was June 2011
- Investment of additional 12 mos
- Now June 2012

Caveat.....



# Time Commitment for TRVRT

- Maximize Efficiency
- Piggy-back on your existing TRVRT meetings
- Most time during first 6 mos

# Nexus Between TMDL and TRVRT

- Be our Stakeholder Advisory Group
  - Incorporate your information into Technical TMDL
  - Incorporate your Integrated RoadMap into TMDL Implementation Plan
- 