# Tahoe TMDL Symposium TMDLs Then and Now December 10, 2004

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- Objective "restore and maintain the chemical, physical, and biological integrity of the nation's waters"
- ❖ Goal attain fishable and swimmable water quality conditions wherever attainable by 1983

- \* Point Source
  discharges from discernible points,
  including pipes, ditches, channels, tunnels
  (excludes agricultural return ditches)
- Nonpoint Source\* discharges over a wide area of land, not from a specific location (runoff)

- \* NPDES Permit
  - Municipal sewer treatment plants
  - (5) Industrial plants with discharges
- \* NPDES Funding
  - Sederal/State construction grants
  - State Revolving Fund (SFR) program
  - 550 billion dollars expended

\* Congress required States to assess and list surface waters which are "impaired" a.k.a. 303(d) List

\* Total Maximum Daily Loads (TMDL) for impaired waters on the 303(d) List

- \* By the mid 1980's
  - Some waters in the U.S. restored
  - (5) Many surface waters still impaired
  - (S) Point source attention not enough
  - (9) EPA substantiates TMDL rule 1985

\* 1987 Congress Amends CWA

- S Assess NPS pollution
- NPS control program established
- Grant program established

- \*By the mid 1990's
  - 4 20,000 waters impaired nationally
  - (5) Litigation against States & EPA increasing
  - (5) TMDLs are at issue
  - (5) EPA amends TMDL regulation 1992

- \* Lawsuits filed over lack of TMDL development
- Courts agree with TMDL argument
- 45 lawsuits affecting 38 states\*
- Court orders stringent (Idaho)

- Federal Advisory Committee Convened
  - Industry, agriculture, environmental, state and public members
  - Seviewed TMDL program ('96-'98)
  - (9) 150 consensus recommendations made

- Draft Rule August '99 "2000 Rule"
  - (5) Expanded impaired waters definition
  - (9) Expanded TMDL requirements
    - a) implementation plans
    - b) reasonable assurance

# TMDL "2000 Rule" Saga

- Over 35,000 comments received
- \* Browner signed rule Jul '00
- Congress delays rule until Oct '01
- \* Oct '01 EPA delays rule for 18 mos.
- \* EPA discussing "Watershed Rule" Aug '02
- \* EPA withdraws "2000 Rule" Mar '03

# TMDL Watershed Rule

- Integrated water quality report
- \* NPS programs support TMDL development
- \* No implementation plan required
- \* More options for TMDL targets
- \* All TMDLs completed by 2015
- EPA back stop

# TMDL Watershed Rule Saga

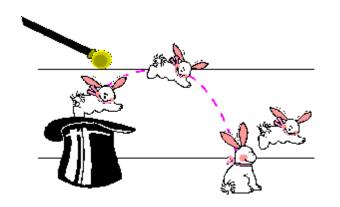
- States request rule be final by 2003
- \* Members of Congress request rule release
- \* "Watershed Rule" unlikely to move forward
- \* EPA implementing portions of rule through guidance

\* Elements of the 1992 TMDL Rule

- (5) Identification of the pollutant
- (5) Determination of maximum load
- Safety margin
- 4 Allowance for future growth\*
- S Assign load allocations

## How Were TMDLs Derived?

$$\frac{\text{FaNPS}}{0} + (\text{StPS})^{10} + \mathbf{E} = \text{TMDL}$$





## 1992 TMDL Rule Effective?

\* Answer: Somewhat

- **STMDLs** effective with point sources
- **STMDLs** not as effective w/o point srcs
  - a) No requirement for implementation
  - b) NPS programs typically voluntary
  - c) State water law
  - d) Little or no public involvement

# Tahoe TMDL, What's Different

- Significant research and funding to identify pollutants and sources (Phase I)
- Federal, State and Local agencies coordinating plans through Pathway 2007
- Public is engaged and shares the common vision to improve water quality in the Lake

# Tahoe TMDL, What's Different

- Implementation (Phase II)
  - (5) Load reduction matrix
  - Prioritizing projects
  - (5) Developing regulatory strategies
  - Monitoring progress

# Tahoe TMDL, What's Different

\* Implementation (Phase II)



# Pathway 2007

- \* Collaborative agency effort
- \* Broad scale public involvement
  - (5) Technical working groups
  - Planning working groups
  - Second Forum with interest round tables
  - Public outreach
- \* Basin-wide Management System



#### Thank You

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