



**STATE WATER RESOURCES CONTROL BOARD
BOARD MEETING SESSION – DIVISION OF WATER QUALITY
APRIL 19, 2011**

ITEM 7

Lake Tahoe TMDL for Sediment and Nutrients

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19 April 2011

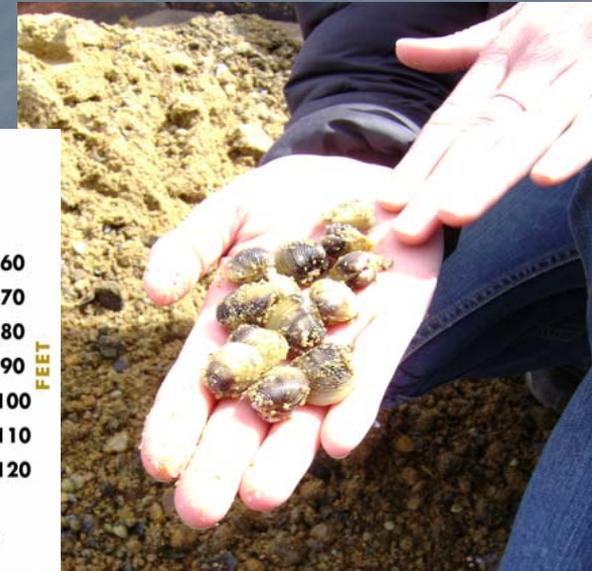
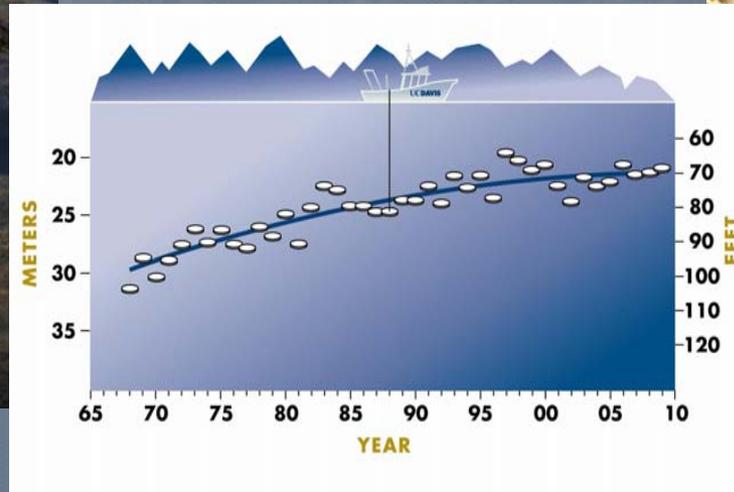
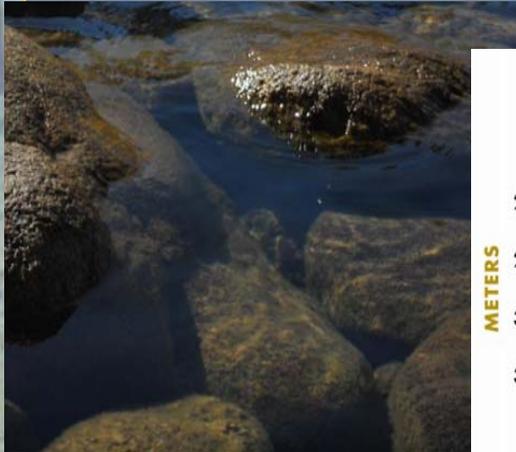
Presentation Outline

1. Lake Tahoe TMDL Review
2. Comments Received and Responses



Lake Tahoe Water Quality Issues

- Deep water transparency loss
- Nearshore turbidity and algae
- Aquatic Invasive Species





Lake Tahoe TMDL Review

10+ years and \$10M spent on research and monitoring

Comprehensive pollutant source analysis

Thorough assimilative capacity assessment

Detailed pollutant reduction opportunity evaluation



Lake Tahoe TMDL Review

Fine Sediment Particles are primarily responsible for transparency loss

More than 70% of the Fine Sediment Particle load is from urban stormwater

Need to reduce Fine Sediment Particle load by 32% to stop transparency decline and start the restoration



Comments Received

- 1. Placer County**
- 2. Sustainable Community Advocates**
- 3. California Department of Transportation**
- 4. U.S. Forest Service Lake Tahoe Basin Management Unit**



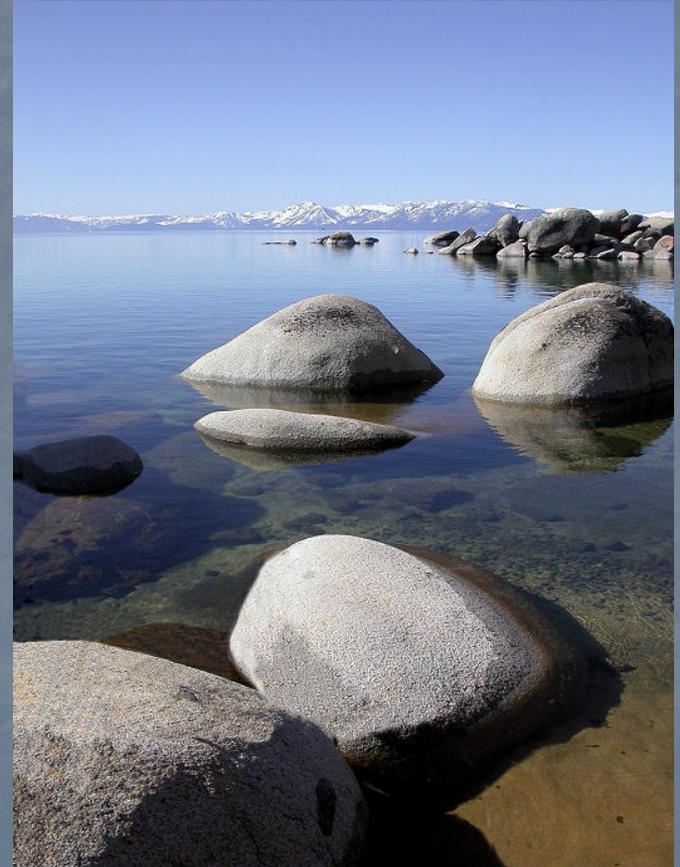
Comments Received

- 5. California Department of Forestry and Fire Protection**
- 6. City of South Lake Tahoe**
- 7. El Dorado County**
- 8. League to Save Lake Tahoe and the Tahoe Area Sierra Club**

Identified Issues

**Implementation and
Regulatory Concerns**

**Adaptive Management
Questions**



Implementation and Regulatory Concerns

Pollutant sources are not held equally accountable

- Initial regulatory effort focuses on largest source**
- Other permitting mechanisms are available for other sources**

Implementation and Regulatory Concerns



Implementation cost is too significant given funding uncertainty

- Future funding depends on demonstrated need**
- Local government is pursuing dedicated revenue sources to support stormwater programs**

Implementation and Regulatory Concerns

Future growth is not adequately addressed

- Future growth is finite and is not expected to significantly increase pollutant loads**
- Catchment scale loading will not be allowed to increase despite parcel development**

Adaptive Management Issues

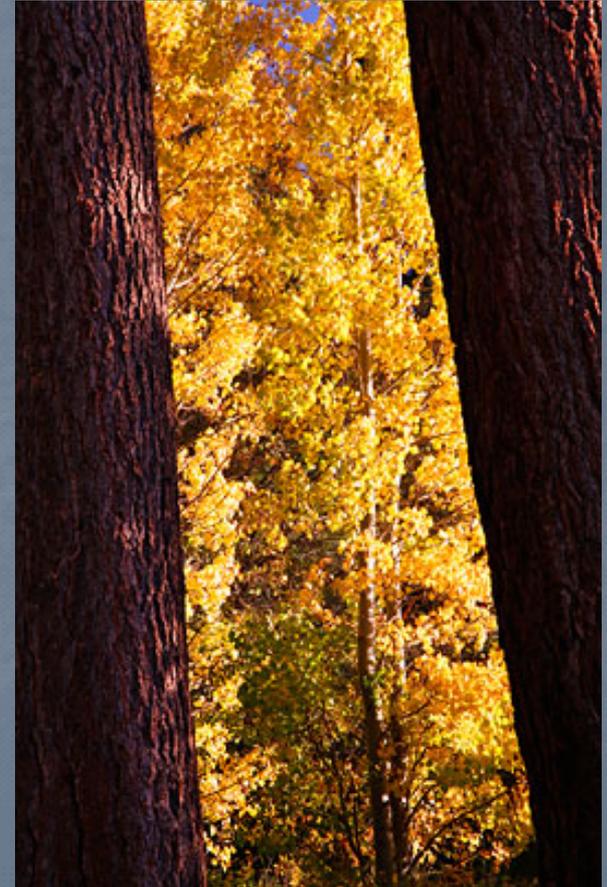
Global climate change

- Included in loading analysis
- Load reduction requirements are independent of hydrology
- Design storm based on event frequency, not a set volume

Adaptive Management Issues

Implementation schedule

- Supported by pollutant reduction opportunity analysis
- Schedule subject to Regional Water Board review and revision





Questions? Public Comment