Clear Lake Nutrient TMDL Implementation

Stakeholder Meeting
February 7, 2013
10:30 am - 12:30pm
Lakeport Courthouse
255 N Forbes Street
Lakeport, CA 95453

Agenda
1. 2006 Clear Lake Nutrient TMDL
2. Completed studies and implementation activities
3. Phosphorus Reduction Activities
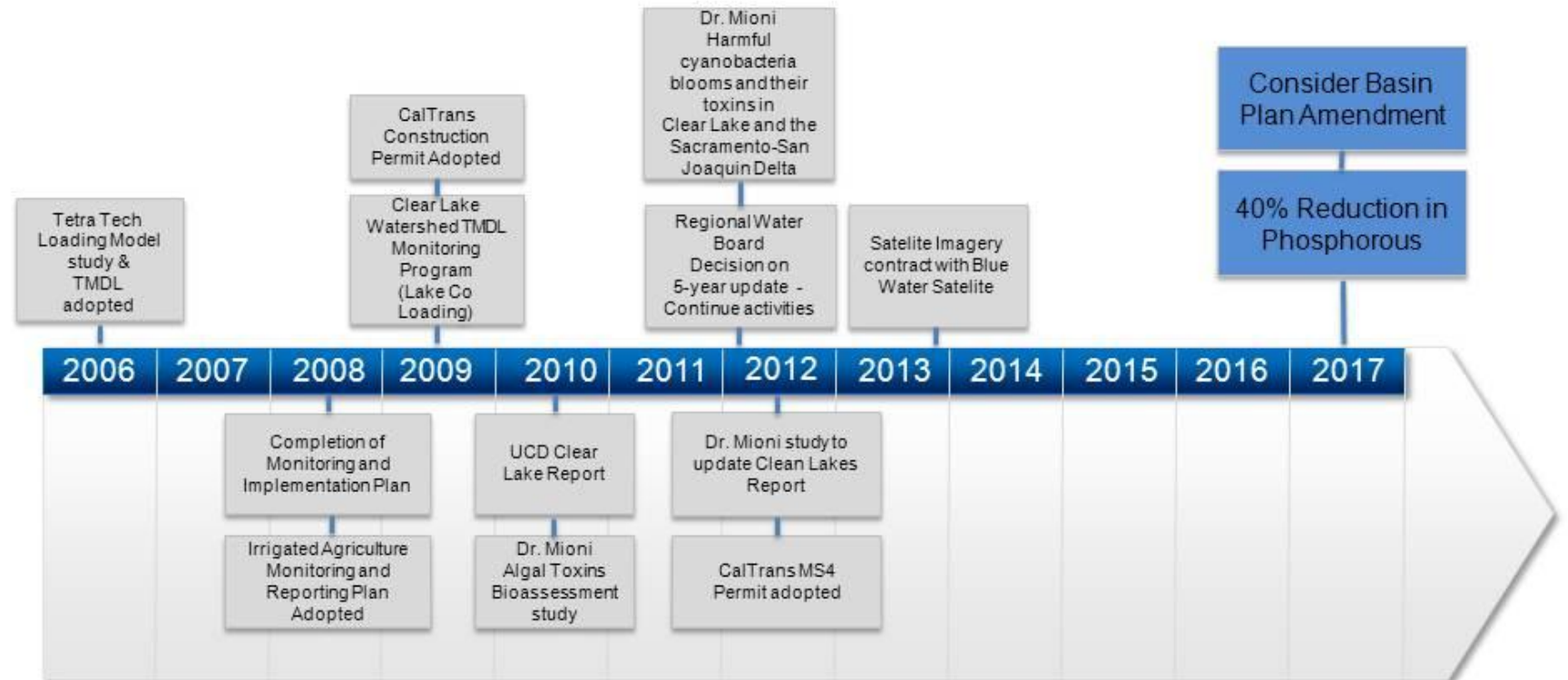4. Next Step Options
5. Question and Answer

For more information:
www.waterboards.ca.gov/centralvalley/clearlakenutrienttmdl
or contact Holly Grover at
(916) 464-4747

The Clear Lake Nutrient TMDL
Implementation

The Clear Lake Nutrient TMDL was adopted in 2006 with the goal of reducing phosphorous loads by 40% by 2017 and ultimately reducing nuisance algal blooms. The timeline below explains the TMDL implementation process over time to achieve the reduction goal. Additional information regarding current/future activities and next steps are explained in more detail on the opposite page. There are many programs that were established prior to 2006 that this timeline does not capture.

What are our next steps?

Additional Stakeholder Meetings
The Regional Water Board is committed to working with Stakeholders and will conduct additional Stakeholder meetings on progress of implementation activities.

Share information
Receive regular TMDL implementation activity updates by signing up for the Central Valley Water Board email subscription list by selecting Clear *Lake Nutrient TMDL* located at:
www.waterboards.ca.gov/resources/email_subscriptions/reg5_subscribe.shtml

A user-friendly webpage was created to access the latest TMDL information located at:
www.waterboards.ca.gov/centralvalley/clearlakenutrienttmdl

Find monitoring data from the California Department of Water Resources Water Data Library located at:
www.water.ca.gov/waterdatalibrary/

Model to Refine Load Estimates
Options to determine current loads is to re-run Clear Lake loading model or use data regarding BMP implementation and effectiveness.

Additional Monitoring
Conduct monitoring to determine current phosphorus loading to Clear Lake from various sources and evaluate overall compliance with the TMDL.

Assist with Funding Sources
The Regional Water Board is committed to working with Stakeholders to find funding sources and will work with Stakeholders to create successful project proposals for various grant opportunities.

Middle Creek Damage Restoration Project
Restore 1,650 acres of reclaimed land at the northern shore and potentially reducing sediment loads from Middle and Scotts Creek by 40%.

Current and Future Phosphorous Reducing Activities

Responsible Party	Activity
Lake County Storm Water Program	• Implements BMPs through the Clean Water Program • Proposed in Phase II Small MS4 General Permit (to be considered for adoption on February 5th by the State Water Board) • Construction site oversight program, grading ordinance, and municipal operation and good housekeeping program management practices (i.e., storm drain inlet maintenance, street sweeping)
Irrigated Agricultural Land Owners	• Implement 2008 Monitoring and Reporting Program • Apply permanent or winter crops on 90% of vineyards to mitigate surface runoff • Analyze data gathered from Central Valley Water Board's Irrigated Lands Regulatory Program
United States Department of Agriculture, Forest Service	• Implement fuel reduction projects and road maintenance activities • Require BMPs in grazing permits • Utilize the Forest Service 2002 guide to inform BMP selection and 2009 Soil Conservation Plan • Coordinate with Westlake Resource Conservation District to implement road maintenance project
United States Department of the Interior, Bureau of Land Management	• Monitor sediment loads and soil • Implement Cow Mountain Recreation Area management practices • Prohibit grazing allotments or grazing leases • Implement fire suppression plan
California Department of Transportation	• Implement 2008 Clear Lake Nutrient TMDL Technical Memo which includes a monitoring and implementation plan • Implement storm water permit sediment BMPs to reduce sediment on roads and highways