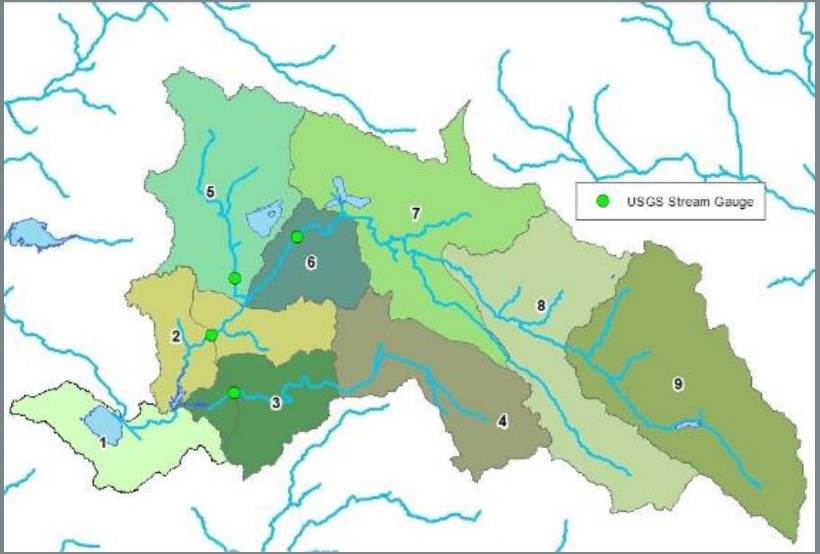
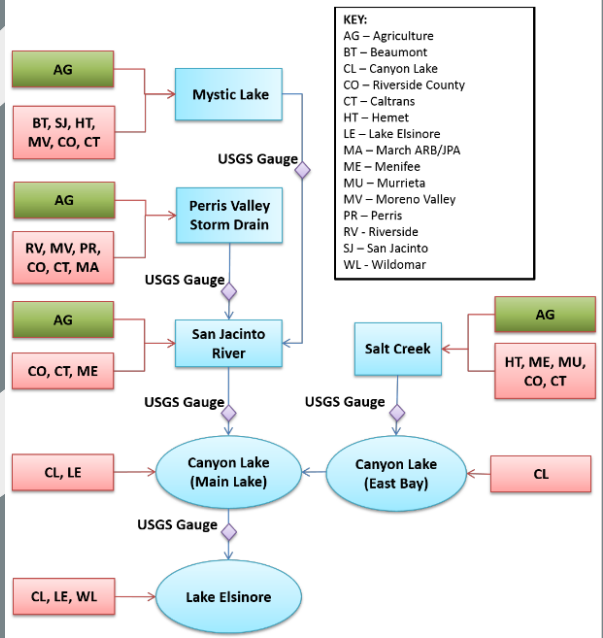
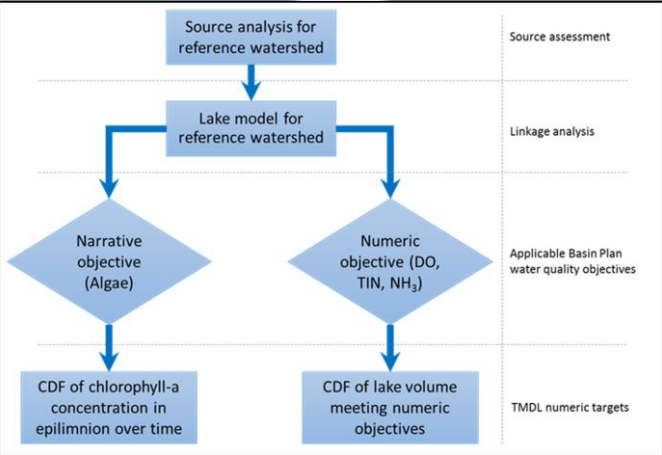
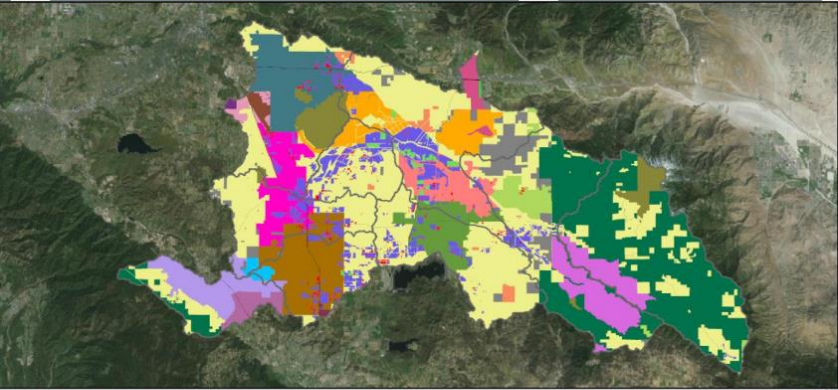


# LECL TMDL Task Force Update to TMDL Revision

Presentation by Steve Wolosoff  
August 7 2023



# Agenda

- Review of Comments from Task Force
- Implementation Schedules for Phase 2 and 3



# Comments Received

	Section 1 Intro	Section 2 Problem	Section 3 Numeric Targets	Section 4 Source Assessment	Section 5 Linkage Analysis	Section 6 Allocations	Section 7 Implementation	Section 8 Monitoring	Section 9 CEQA	Section 10 Economics
Regional Board			▲	▲	▲	▲	▲		▲	
WRCAC	▲	▲	▲	▲	▲	▲	▲	▲	▲	
EVMWD			▲				▲			
RCFC&WCD			▲	▲	▲	▲	▲			
CG	▲		▲	▲	▲	▲	▲			▲
LM			▲	▲	▲					



# Comments

- Section 1 Introduction (mostly editorial)
- Section 2 Problem Statement
  - Introduce disconnect between meeting allocations but not targets in 2004 TMDL
  - Characterize cyanobacteria
  - Present limits of understanding in 2023 requiring further special study



# Comments

- Section 3 Numeric Targets
  - Need to carefully word the relationship between numeric targets for a reference condition, excessive algae, and beneficial use protection
  - Method for determining numeric targets is novel and not entirely clear to readers, need to ensure the approach is supported by guidance
- Section 4 Source Assessment
  - Watershed boundary revision near Diamond Valley Lake
  - Nutrient washoff concentrations for other livestock land use
  - Extent of unsewered residential significantly different from 2018 report
  - Consider a more dynamic atmospheric deposition source
- Section 5 Linkage Analysis (mostly editorial)



# Comments

- Section 6 Allocations
  - Anticipated change to March JPA jurisdictional area
  - Banning jurisdictional area not in 2004 TMDL
  - Margin of safety basis
- Section 7 Implementation
  - More consideration of climate change should be included in implementation
  - More justification of 20-year period for Phase 2 as well as 10-year period for Phase 3
  - Compliance evaluation more frequently than every 5 years, suggest at least every 3 years
  - Single nutrient control approach
  - Consider adding more discussion on LEAMS effectiveness, including key findings in Horne and Anderson 2021



# Comments

- Section 8 Monitoring
  - Categorize monitoring into condition, investigative, and effectiveness groups
  - Need to include expectation of additional monitoring beyond the condition assessment program that would be needed to support special studies and effectiveness evaluation of future controls
- Section 9 CEQA
  - Economic viability for declining agricultural pool should be considered including state provisions associated with Prime Farmland and Farmland with Statewide Importance







# Schedule Phase 3

Task	Brief Description	Phase 3 Program of Implementation Activities									
		21	22	23	24	25	26	27	28	29	30
<b>Task 1 – Stakeholder Coordination</b>	LECL Task Force collaboration at least quarterly										
<b>Task 2 – Revise Existing Watershed Implementation Plans</b>	Revise existing Riverside County MS4 Program CNRP		○								
	Revise other existing Watershed Implementation Plans, revise existing Irrigated Lands General Order, as needed			○							
<b>Task 3 – Evaluation of In Lake Water Quality Controls for Canyon Lake</b>	Evaluation and implementation of existing in-lake water quality controls										
<b>Task 4 – Implementation of New or Revised Water Quality Controls for Lake Elsinore</b>	Implement new or revised water quality controls for Lake Elsinore as determined appropriate										
<b>Task 5 – Special Studies – Fishery Management</b>	Evaluate status of fishery populations in Lake Elsinore using consistent sampling and data analysis methods used in previous studies										
<b>Task 6 – Evaluate Status of TMDL Compliance with Final Targets, Wasteload and Load Allocations</b>	Evaluate status of compliance with the final TMDL targets and allocations		○								
<b>Task 7 – Implementation of Gap Analysis</b>	Based on results of Task 6, determine the load reductions remaining to be achieved to meet the final allocations and targets										
<b>Task 8 - Special Study: Lake-bottom Sediment Sampling and Core Flux Experiments</b>	Two rounds of collection and analysis of lake bottom sediment cores will be collected from historically sampled locations in both Canyon Lake and Lake Elsinore to assess changes to nutrient enrichment after project implementation										
<b>Task 9 - Evaluate Water Quality Control Options for Canyon Lake to Maintain Intended Aquatic Life, Recreational and Municipal Uses, if necessary</b>	Evaluation of reasonably feasible lake management activities in Canyon Lake that may be implemented to improve and maintain water quality for intended uses.										
<b>Task 10 - Evaluate Supplemental Water Quality Control Options for Lake Elsinore to Maintain Intended Aquatic Life and Recreational Uses, if necessary</b>	Evaluate supplemental water quality control options for Lake Elsinore to maintain intended aquatic life and recreational uses, including reduction of harmful algae blooms in frequently used swimming beaches.										
<b>Task 11 - Implementation of New/Refined Water Quality Controls</b>	Implement new/refined projects included in Phase 3 updates to the CNRP and other related watershed management activities (see Task 2); as necessary and applicable										
<b>Task 12 – Surveillance &amp; Monitoring Program</b>	Update TMDL SMP (and QAPP) as needed; updates should include a program to conduct watershed aerial surveys of land use every 5 years, and HAB and cyanotoxin monitoring or both lakes										
<b>Task 13 – Annual Reporting Program</b>	Annual Water Quality Reports	○	○	○	○	○	○	○	○	○	○
<b>Task 14 – Adaptive Management</b>	Meet any of the remaining implementation gap (see Task 7) through a adaptive management; coordinate project refinements or enhancements with operators and other stakeholders through the TMDL Task Force										



# Project Schedule

- Complete draft of TMDL Technical Document to be submitted in October
- Regional Board planning staff in process of scheduling workshop around December 2023 and adoption hearing around May 2024

