

# Meeting Notes

## Lake Elsinore and Canyon Lake TMDL Task Force Technical Advisory Committee

November 15, 2011, at 9:00 AM  
Lake Elsinore and San Jacinto Watersheds Authority  
11615 Sterling Avenue  
Riverside, CA 92503  
Prepared by Rick Whetsel

Lake Elsinore and Canyon Lake TMDL Committee Members Present	Pat Kilroy, City of Lake Elsinore Ron Young, Elsinore Valley Municipal Water District Jim Grimm, City of Canyon Lake Jason Uhley, County of Riverside Hope Smythe, Regional Water Quality Control Board Pat Boldt, San Jacinto River Watershed Council
Absent	Mark Norton, SAWPA
Others Present	Steve Pastor, Riverside County Farm Bureau; Robert Vasquez, RCFC&WCD; Kent Wegelin, City of Moreno Valley; Mike Emberton, City of San Jacinto; Kevin Street, City of Riverside; Bill Woolsey, City of Murrieta; Nancy Horton, City of Canyon Lake; Rita Thompson, City of Lake Elsinore; Phoung Hunter, City of Moreno Valley; Tim Moore, Risk Sciences; Steve Wolosoff, CDM; Rick Whetsel, SAWPA

### 1. CALL TO ORDER

Rick Whetsel called the meeting to order at 1:35 p.m.

### 2. UPDATE: TMDL IMPLEMENTATION STRATEGY AND SCHEDULE OF DELIVERABLES

Tim Moore presented to the TAC a worksheet describing a revised pollutant trading scenario based upon the detailed analysis of phosphorus and nitrogen in Canyon Lake being conducted by CDM for the CNRP. The worksheet included revised load reductions from the implementation of a Hypolimnetic Oxygenation System (HOS) and other sources necessary to achieve compliance with the TMDL.

Much discussion followed regarding the HOS system costs, who would pay for it, pollutant trading opportunities and alternatives including phoslock, alum and zeolite.

### 4. DISCUSSION: TECHNICAL TASKS FOR DR. ANDERSON

Dr. Anderson briefly reviewed his proposed scope of work to support the TMDL effort. This included:

- Estimating the rate at which phosphorus decays to an inert mineral form where it is no longer readily bio available, based upon the latest sediment digenesis work for the lakes. It is expected that there will be unique rates determined for each lake.
- Evaluating long-term cumulative reduction of phosphorus loads from internal sediments, from the implementation of a HOS in Canyon Lake. This work will build upon the work by PACE Engineering to the effectiveness of a HOS controlling in-lake nutrients. Dr Anderson will develop a state of the art modeling to connect the nutrient loading from the watershed to Canyon Lake and the overflow from Canyon Lake to Lake Elsinore. It is expected that this model should determine the technical and economical feasibility of a HOS for Canyon Lake.
- Evaluating long-term cumulative reduction of phosphorus loads from sediment from additions of Phoslock in Canyon Lake, using the above described model.
- Estimating expected water quality conditions in Canyon Lake and Lake Elsinore under pre-Columbian land use conditions. This effort builds upon the 2010 modeling by Tetra Tech, to look at the impacts of land use change on Lake Elsinore and Canyon Lake. This task will include the development of a DYRESM-

CAEDYM model specific for Lake Elsinore to work in conjunction with the existing model for Canyon Lake.

- Re-running the sensitivity analysis model for Lake Elsinore BMPs using updated information applied to both the existing and new models.

After some discussion the TAC recommended that the LESJWA Board approve the scope of work for Dr. Anderson.

#### 5. DISCUSSION: TASK FORCE BUDGET MODELS ALTERNATIVES

Mr. Whetsel presented to the TAC a handout including an alternative stakeholder budget allocation model.

There was concern regarding an equal share distribution of the Task Force costs due to the costs of watershed and in-lake monitoring.

After some discussion, the TAC recommended that Mr. Whetsel revise the budget model to include only LESJWA administration and TMDL compliance consulting as part of the fixed budget and move the monitoring tasks to the variable budget category along with the BMP Implementation projects.

Jason Uhley noted that he has discussed the watershed monitoring task with Agriculture. They are currently considering a joint MS4 and Agricultural monitoring program that will consider adding two additional sites for monitoring; agriculture within the Salt Creek sub-watershed and possibly contracting this work outside of the Task Force.

Further discussion on the FY 2012-13 Budget will be reserved for discussion at the next Task Force meeting (January 2012).

#### 6. UPDATE: PROP 40 – LAKE ELSINORE BACK BASIN WETLANDS BMP IMPLEMENTATION PROJECT

Pat Kilroy noted that the project is now moving along. Once the permits are in place the city will begin with the project construction in an effort to complete the project on schedule by the end of March 2012.

#### 7. SCHEDULE NEXT MEETING (TBD)

The next meeting is a Lake Elsinore and Canyon Lake Nutrient TMDL Technical Advisory Committee meeting scheduled for Wednesday, December 14, 2011, at 1:30 p.m.

The meeting was adjourned at 12:05 p.m.