

## Lake Elsinore and Canyon Lake TMDL Task Force

August 17, 2022

### PARTICIPANTS PRESENT:

Abigail Suter, Riverside County Flood Control & WCD	Pat Boldt, WRCAC
Ankita Vyas, CalTrans	Patrick Lewis, Regional Water Quality Control Board
Barbara Barry, Regional Water Quality Control Board	Rachael Johnson, Riverside County Farm Bureau
Carlos Norvani, City of Lake Elsinore	Rohini Mustafa, Riverside County Flood Control & WCD
Cynthia Gabaldon, City of Menifee, Perris, and March JPA	Rae Beimer, City of Moreno Valley
Chris Stransky, Wood Environmental	Rebekah Guill, Riverside County Flood Control & WCD
Dale Welty, City of Canyon Lake	Richard Boon, Riverside County Flood Control & WCD
Dave Woelfel, Regional Water Quality Control Board	Richard Meyerhoff, GEI Consultants
Dan Cortese, City of Hemet	Scott Sewell, CDFW
Doug Edwards, Eastern Municipal Water District	Stefan Awender, CDFW
Garth Engelhorn, NV5	Stormy Osifeso, City of Riverside
James Klang, TBL Consultants	Steven Wolosoff, CDM Smith
John Rudolph, Wood Environmental	SueAnn Neal, Regional Water Quality Control Board
Kayla Urbina	Sudhir Mohleji, Elsinore Valley Municipal Water District
Liselle DeGrave, DeGrave Communications	Tess Dunham, Kahn, Soares & Conway, LLP
Lynn Merrill, City of San Jacinto	T. Milford Harrison, SAWPA
Lauren Sotelo, March JPA	Bruce Whitaker, SAWPA
Lenai Hunter, Elsinore Valley Municipal Water District	Mark Norton, SAWPA
Maria Arreguin, City of Perris	Rick Whetsel, SAWPA
Mike Roberts, City of Riverside	Haley Mullay, SAWPA
Natasha Thandi	

### Call to Order & Introductions

The Lake Elsinore/Canyon Lake TMDL Task (Task Force) meeting was called to order at 1:12 p.m. by Mark Morton, Task Force Chair, with all participants participating remotely, due to COVID-19 related social distancing restrictions.

### Approval of Meeting Notes from March 2, 2022 Task Force Meeting

The June 27, 2022 meeting notes were approved, with the addition of Scott Sewell CDFW to the participants list.

### Status: Regional Board Update (Regional Board)

Barbara Barry, of Regional Board, provided an update on the Regional Board's F-HAB monitoring for Lake Elsinore. Recent monitoring results for microcystin have resulted in the warning level signage to be posted around the lake. At this level, Regional Board is recommending recreators not to swim in the water. Fishing is still fine, but it is recommended that the fish be cleaned, filleted and the guts thrown away.

Regional Board is continuing to monitor and staff did note some scums and discolored water along the shore. Regional Board staff will continue tracking the bloom as it progresses.

Barbara also noted that there has been surprising interest from news outlets for interviews and questions from the public regarding the presence of cyano bacteria at both Lake Elsinore and Big Bear lakes.

### Action Item: Final Review and Approval of Key Principles Document (Tess Dunham /KSC)

Tess Dunham, of Kahn, Soares, and Conway, presented a final draft Key Principles document for approval by the Task Force. This revised document incorporated language to address the provision regarding the level of commitment from Regional Board staff, considering the time and effort by the Task Force to revise the technical TMDL document, to bring an amendment forward to the waterboard for consideration.

Following brief discussion it was proposed that the Task Force, approve the revised language and execution of the Key Principles document by Mark Norton, Task Force Administrator on behalf of the voting members of the LE&CL TMDL Task Force.

Pat Boldt, of WRCAC, moved a motion; Lynn Merrill, of City of San Jacinto, second the motion.

**MOVED**, to approve execution of the Key Principles for Technical TMDL Revision by Mark Norton, Task Force Administrator on behalf of the voting members of the LE&CL TMDL Task Force.

**Discussion: Next Steps for the TMDL Implementation Plan (Tess Dunham /KSC and Steve Wolosoff CDM Smith)**

Tess Dunham, of Kahn, Soares, and Conway, LLP, continued discussion on the next steps for the TMDL Implementation Plan. Topics for discussion included:

- Update on Proposed Tasks presented at the June 27, 2022 meeting,
- Potential inclusion of language to provide guidance re: How waste load and load allocations should be expressed in permitting actions,
- Offset language, and
- Approaches for demonstrating attainment of waste load and load allocations

The next steps by the consulting team, following today's meeting, include preparing for review, input and comment by stakeholders draft narrative text by September 16, 2022 in preparation of discussion at the September 27<sup>th</sup> Task Force meeting. Once tasks are further defined by the Task Force the consulting team will prepare estimates of the costs to implement tasks (on an annual basis).

Next, it was proposed that the Task Force, approve a proposal by CDM Smith to update and revise the TMDL technical document including additional scope for the balance of 2022-23 TMDL technical support services. Each of these items were budgeted in the current FY 2022-23 Task Force Budget.

Following brief discussion, it was proposed that the Task Force, approve the proposal by CDM Smith to update and revise the technical document. including additional TMDL technical support services and authorize staff to recommend the LESJWA Board to approve a Task Order for CDM Smith for an amount not to exceed \$138,300.

Mike Roberts, of the City of Riverside, moved a motion; Pat Boldt, of WRCAC, second the motion.

**MOVED**, to approve a proposal by CDM Smith and a recommendation to the LESJWA Board to authorize a Task Order to update and revise the technical document and additional TMDL technical support services.

A copy of this presentation is available on the SAWPA website under Agendas and Meeting Materials:  
<https://sawpa.org/wp-content/uploads/2022/08/2022-8-17-Tess-LECL-TMDL-TF-meeting.pdf>

**Update: Lake Elsinore Innovative Algae Harvesting Technologies (Prop 1 grant funded) (John Rudolph and Chris Stransky /Wood Environmental)**

Chris Stransky, of Wood Environmental provided a status update on the Lake Elsinore Algae Treatability Pilot Study awarded to the City of lake Elsinore through a Prop 1 IRWM Grant for \$297K. This study, managed by Wood Environmental for the City includes the following objectives:

1. Explore and evaluate the use and effectiveness of a suite of in-situ algae removal/ reduction technologies at Lake Elsinore through a series of controlled pilot studies.
2. Ensure high quality water for people and the environment. Removal of algae will reduce concentrations of chlorophyll a, increase water clarity, and reduce the potential release of harmful toxins. Physical extraction also removes nitrogen and phosphorus mass from the Lake.
3. Protect beneficial uses (recreation, warm aquatic freshwater habitat, and wildlife habitat) attain water quality standards, and total maximum daily loads (TMDLs).

Wood Environmental considered a number of vendors and technologies for pilot testing, selecting Four to participate in the pilot study.

These included the following treatments/technologies (vendor):

1. Chemical Treatments (EutroPHIX/ SePro)
2. Microbial Treatment (BioCleaner)
3. Nanobubble Technology (Moleaer/Aquatechnex)
4. Hydronucleation Floatation Technology. Algae Bioharvesting (AECOM)

The pilot testing will take place in-lake in individual 20 foot by 20 foot squared off areas located adjacent to the Launch Pointe Boat Ramp. Testing is scheduled to begin September and continue through November 2022, with each treatments (Biocleaner, Moleaer, and EutroPHIX) to be conducted over a 4-6 week period simultaneously. Monitoring of these treatments includes weekly water column sampling conducted both inside and outside of each curtained treatment area.

The AECOM Hydronucleation Floatation Technology will be conducted separately and include only laboratory bench scale testing of in-lake water quality samples.

Data analysis and reporting is anticipated to begin in October 2022 and be completed by April 2023.

A copy of this presentation is available on the SAWPA website under Agendas and Meeting Materials: [https://sawpa.org/wp-content/uploads/2022/08/2022-8-17-Wood\\_City-of-Lake-Elsinore-Prop-1-Grant-Overview.pdf](https://sawpa.org/wp-content/uploads/2022/08/2022-8-17-Wood_City-of-Lake-Elsinore-Prop-1-Grant-Overview.pdf)

#### **Task Force Administration (LESJWA Staff)**

##### *Status of Amendment signatures*

Rick Whetsel informed the Task Force that to date, more than half of the signatures have been received. Staff will continue to follow-up with Task Force members that have not yet responded.

#### **Other Business**

Maria Arreguin, of City of Perris informed the Task Force that she is moving on and that Michael Morales will be representing the City of Perris moving forward.

#### **Schedule Next Meeting**

The next LE/CL TMDL Task Force meeting is scheduled for Tuesday, September 27, 2022, at 9:30 a.m. as a remote Zoom meeting.

#### **Adjourn**

The meeting adjourned at 3:35 p.m.

**Table Summary of Agreements and Actions**

<b>Date of Action/Agreement</b>	<b>Action/Agreement</b>	<b>Responsible Entities Reaching Agreement</b>
September 28, 2021	<ul style="list-style-type: none"> <li>• Approve funding in the amount of up to \$30,000 to CDM Smith to assist Task Force technical issues, including but not limited to, initial discussions regarding content and scope of TMDL Implementation Plan revisions should the Task Force decide to provide resources for further revising the 2018 draft TMDL.</li> </ul>	Voting Task Force members.
November 3, 2021	<ul style="list-style-type: none"> <li>• Approve moving forward with the proposed step-wise approach to updating the TMDL Technical Report and its timeline.</li> </ul>	Voting Task Force members
January 10, 2022	-	-
March 2, 2022	<ul style="list-style-type: none"> <li>• The Task Force agreed to submit a comment letter to the Draft Staff Working Proposal for MS4 Permit by March 18, 2022. Regional Board confirmed that they would accept the comments past their soft deadline of March 10.</li> <li>• Approved the alum application to the Canyon Lake if the February monitoring data exceeds 0.09.</li> </ul>	Voting Task Force members
April 20, 2022	<ul style="list-style-type: none"> <li>• Approved execution of the Key Principles for Technical TMDL Revision by Mark, Norton Task Force Administrator on behalf of the voting members of the task force subject to revisions discussed at the 4/20/2022 task force meeting.</li> <li>• Approved submittal of the Task Force Comment letter to Regional Board on the Staff Working Proposal for the MS4 Permit upon revision discussed at the 4/20/2022 task force meeting. Regional Board abstained from action and conversation of this matter.</li> <li>• Approved amendment #3 to extend the LE/CL TMDL Task Force Agreement for a period of three years to June 30, 2025, with the option that the Agreement, while still in full force and effect, may be extended an additional two years, to June 30, 2027, by means of Administrative Action by the Task Force Administrator</li> </ul>	Voting Task Force members; Excludes Regional Board in relation to the Comment Letter to Regional Board on the Staff Working Proposal for the MS4 Permit.
June 27, 2022	-	-
August 17, 2022	<ul style="list-style-type: none"> <li>• Approved execution of the Key Principles for Technical TMDL Revision by Mark Norton, Task Force Administrator on behalf of the voting members of the LE&amp;CL TMDL Task Force.</li> <li>• Approved a proposal by CDM Smith and a recommendation to the LESJWA Board to authorize a Task Order to update and revise the technical document and additional TMDL technical support services.</li> </ul>	Mark Norton, Task Force Administrator on behalf of the voting members of the LE&CL TMDL Task Force