

**Utah Lake Water Quality Study  
Joint Steering Committee and Science Panel Meeting #2  
Meeting Summary  
August 9, 2018**

This document includes a list of future meetings, action items, and a brief summary of the discussions. Please review the action item list for tasks assigned to you and/or the Science Panel in general. A list of attendees can be found at the end of the document.

Upcoming Meeting/Call	When & Where	Suggested Agenda Items
ULWQS Steering Committee Meeting #5	<i>Thursday, September 6, 2018 1:00 p.m. to 5:00 p.m.</i>	○ Review and finalize updated charge; approve OP modifications; review revised SP tasks; discuss updates on activities planned for Fall

**I. Action Items**

Meeting Summaries	Who	Due Date	Date Completed
1. Share draft Meeting Summary	Facilitation Team	August 23	August 23
2. Review and share comments on summary	SC/SP	August 30	None Received
3. Finalize summary and post to Dropbox	Facilitation Team	September 4	August 31
Charge (SC to SP) Document	Who	Due Date	Date Completed
4. Share new version (v6) of Charge document with SC following late-August SP calls	Facilitation Team	August 31	August 31
5. Discuss and approve revised SP Charge	SC	September 6	
Data and Information Sharing	Who	Due Date	Date Completed
6. Share Limnotech Lit Review Report with Steering Committee	Facilitation Team	August 16	August 16
7. Post HAB presentations to the Dropbox folders (SC and SP)	Facilitation Team	August 16	August 16
8. Share diagram of water distribution and State Engineer Water Plan	Mike Rau	August 16	August 16
9. Develop summary of what the literature indicates regarding diatoms in Utah Lake	UDWQ/Technical Consultant	TBD	

SC and SP Operating Principles	Who	Due Date	Date Completed
10. Update SC operating principles to address possibility of future SP membership changes	Co-chairs/ Facilitation Team	August 31	August 31
11. Update SC and SP operating principles to address integration of information/emails from outside the SC and/or SP	Co-chairs/ Facilitation Team	August 31	August 31

## II. Meeting Recording

A recording of the meeting (also available on the DWQ website in the near future) can be found at the following link: <http://resolv.adobeconnect.com/pqzdeqip04tk/>. Please use the video scroll bar along the bottom of the recording window to find the appropriate time in the webinar recording for the session you would like to watch. There are bookmarks in the 'Events Index' on the left side of the screen identifying each session. In addition, a 'recording agenda' is attached at the end of the summary which also provides the timestamps for when each session begins in the webinar recording.

## III. Key Points of Discussion

### Welcome and Agenda Review

Meeting Facilitator Paul De Morgan, RESOLVE, welcomed everyone to the second joint meeting of the ULWQS Steering Committee and Science Panel and gave an overview of the meeting agenda. One member of the Steering Committee requested that the presentation on HABs be moved to the end of the agenda to ensure that the update on the Science Panel discussions would not be cut short. The Steering Committee co-chairs, and rest of the Steering Committee, agreed with the suggestion.

### Sharing Information with the Science Panel

Mr. De Morgan described the exchange of emails that took place between Dr. LaVere Merritt, BYU emeritus professor, and Dr. Mike Brett, University of Washington and member of the ULWQS Science Panel, and the official response the Science Panel ultimately sent to Dr. Merritt. He indicated that the email dialogue that transpired with Dr. Merritt was quite fruitful, but explained that a process concern was raised by the exchange. Specifically, while the majority of the members of the Steering Committee and Science Panel were included in the exchange, certain individuals were left off the recipient list. Mr. De Morgan suggested that in the future, members of the public should contact the Steering Committee and/or Science Panel via the specific members of the Steering Committee that serve their interests, or through the public comment process. Those members of the Steering Committee could then pass information along to the facilitation team to share with everyone. The facilitation team could also track the information being shared. The group agreed with this process and asked that language be added to the Operating Principles.

### Science Panel Membership

Eric Ellis, ULWQS Steering Committee Co-Chair, briefly described the Science Panel Composition Memo he and Erica Gaddis, Co-Chair, distributed to the Steering Committee and Science Panel in response to

the nomination of a replacement for Sam Rushforth, who had resigned from the Science Panel prior to the first meeting. The memo presented a couple of options for moving forward: 1) leaving the composition of the Science Panel “as-is” for the time being; or 2) opening up a nominations process to add an additional member(s) to the Science Panel. An anonymous vote among the 15 Steering Committee members present concluded that the Steering Committee preferred to leave the Science Panel “as-is” for the time being.

#### Science Panel: Update on Deliberations

Mr. De Morgan asked the group to review the updated version of the Science Panel Charge document (from the Steering Committee to the Science Panel) and discuss the high-level charge questions in addition to the respective sub-questions. Several questions were raised and discussed by the group. In particular it was pointed out that “secondary water” is indirectly referred to as a beneficial use and it was suggested that the name be changed to “agricultural water.” No objections to this change were expressed. Additional edits to the document were suggested and the facilitation team agreed to integrate those, in addition to any others identified by the Science Panel during their afternoon session, in the next version. Finally, members of the Science Panel requested a summary of existing diatom data for Utah Lake and it was added to the list of Action Items.

#### Presentations on Harmful Algal Blooms (HABs)

Ben Holcomb, Utah Division of Water Quality, provided two presentations on HABs (general background on HABS, and HABs on Utah Lake) to the group. Mr. Holcomb described other lakes around the world that experience HABs and explored the relationships between water quality variables and HABs. Additionally, Mr. Holcomb discussed the linkages between changes occurring on Utah Lake (carp removal) and HABs.

In between those two presentations, Mike Rau, Central Utah Water Conservancy District, presented on the water management related to Utah Lake and the relationship between surface water elevation and HABs. There were requests for some of the information shared in Mr. Rau’s presentation and Mr. Rau agreed to provide the information.

Requests for copies of the presentations were made and an action item was created to share the presentations with the Steering Committee and Science Panel via Dropbox.

#### **IV. Public Comments**

Two members of the public expressed their desire to speak during the public comment period.

- David Richards: we need to check everyone here who was on the lake yesterday for rashes and respiratory issues.
- Rich Mickelson: What was the actual vote count for opening up the SP nominations process?
  - Mr. De Morgan: 12 to leave as-is and 3 to open it up.

## V. Participation

### Meeting Participants (Name, Organization)

#### Members of the Steering Committee:

- David Barlow, Timpanogos Special Service District – POTW
- Cory Pierce, Spanish Fork Public Works – Municipal
- Eric Ellis, Utah Lake Commission – Co-Chair
- Craig Bostock, Utah County Health Department – Public Health
- Erica Gaddis, Utah Division of Water Quality – Co-Chair
- Heidi Hoven, National Audubon Society – Conservation and Environment
- Chris Keleher, Utah Department of Natural Resources – Recreation, Fishing and Sovereign Lands
- Jay Montgomery, Utah County Stormwater Association – Stormwater
- Jay Olsen, Utah Department of Agriculture and Food – Agriculture
- Nancy Mesner, Utah State University – Academia
- Brad Stapley, Springville City – Municipal
- Jesse Stewart, Salt Lake City Department of Public Utilities – Agriculture/Water Rights/Water Users
- Chris Cline, US Fish and Wildlife Service – Fish and Wildlife
- Neal Winterton, City of Orem – Municipal
- Gerard Yates, Central Utah Water Conservancy District – Water Management of Utah Lake

#### Alternate Members of the Steering Committee:

- James Harris, Utah Division of Water Quality
- Jon Hilbert, Jordan Valley Water Conservancy District – Agriculture/Water Rights/Water Users
- David Land, Timpanogos Special Service District – POTW
- Dave Norman, Lehi City – Municipal
- Mike Rau, Central Utah Water Conservancy District – Utah Lake Water Management

#### Members of the Science Panel:

- Janice Brahney, Utah State University
- Mike Brett, University of Washington
- Soren Brothers, Utah State University
- Greg Carling, Brigham Young University
- Jereme Gaeta, Utah State University
- Mitch Hogsett, Forsgren Associates
- Ryan King, Baylor University
- James Martin, Mississippi State University
- Theron Miller, Wasatch Front Water Quality Council

#### Members of the Public:

- Mike Mills
- Richard Nicholson
- David Richards
- Juhn Yuan Su (Adobe Connect)

**Utah Division of Water Quality Staff Present:**

- Carl Adams
- Scott Daly
- Ben Holcomb

**Facilitation Team:**

- Paul De Morgan, RESOLVE
- Dave Epstein, SWCA