

**Utah Lake Water Quality Study
Science Panel Meeting #4
Monday March 11, 2019; 9:00 a.m. – 5:00 p.m. Mountain
Tuesday, March 12; 8:30 a.m. – 12:30 p.m. Mountain
Agenda**

**Utah Department of Water Quality
Wasatch Conference Room (4th Floor)
195 N 1950 W
Salt Lake City, UT 84114**

Adobe Connect Link: <https://resolv.adobeconnect.com/pdemorgan/>

Meeting Objectives:

- Continue discussion of the conceptual model draft and strive to agree on approach/modifications;
- Listen to presentations from and interact with Utah Lake researchers;
- Introduce and discuss nutrient criteria development literature review;
- Introduce and discuss uncertainty analysis and options for this project;
- Review RFP drafts and refine those documents;
- Discuss analysis plan and settle on interim plan; and
- Review and comment on 2019 DWQ Sampling and Analysis Plan.

Day 1 – Monday, March 11, 2019

- 9:00 – 9:10 Welcome, Introductions, and Agenda Review
- Review the agenda and ground rules – *Paul De Morgan, RESOLVE*
- 9:10 – 10:00 Conceptual Model
- Review the Updated Conceptual Model – *Michael Paul, Tetra Tech*
 - Address any questions or comments from the Science Panel
- 10:00 – 12:15 Utah Lake Research Presentations (*Break Included*)
- Series of presentations on ongoing research to inform SP work [20 min. each]
 - June Sucker Recovery Implementation Program research program – *Mike Mills, June Sucker Recovery Implementation Program*
 - Overview of WFWQC research activities – *Theron Miller, WFWQC*
 - Phosphorus in Utah Lake sediments – *Greg Carling, BYU*
 - Phosphorus, grazers, and temperatures may intensify Utah Lake HABs – *Zach Aanderud, BYU*
 - After each presentation, share initial thoughts on the relevance of each to the SP charge, conceptual model, and near-term research priorities [10 min. each]
- 12:15 – 1:30 **Lunch** (*Walk to a Nearby Restaurant*)
- 1:30 – 2:15 Literature Review Update

- Update on literature review – *Andrea Plevan, Tetra Tech*
- Address any questions or comments from the Science Panel

2:15 – 3:15 Uncertainty Guidance Development

- Review the charge on the Uncertainty Guidance task – *Michael Paul [20-30 minutes]*
- Open discussion and feedback on approaches/recommendations on uncertainty characterization for: empirical modeling, mechanistic modeling, reference approaches (paleo methods)

3:15 – 3:30 **Break**

3:30 – 4:50 RFP Development

- Overview– *Michael Paul [30 minutes]*
 - Review the change in approach (shift from exploratory design to RFPs)
 - Review and strive to approve the RFP topics and prioritization
 - Walk through the template for each RFP
 - Review existing content
- Working groups – *Science Panel Breakout*
 - For each RFP, review existing or recommend/draft new content for each section

4:50 – 4:55 Public Involvement

Members of the public will be given an opportunity to comment on the Utah Lake Water Quality Study efforts. The amount of time given to each individual will depend on the number of people wishing to provide comment. Additional comments can be submitted in writing to the Division of Water Quality.

4:55 – 5:00 Wrap Up

- Final thoughts from the previous sessions
- Confirm action items
- Closing thoughts for the day
- Plan for Day 2

5:00 **Adjourn**

5:10 – 5:30 Meeting of Independent Members of the Science Panel (Closed to the Public)

- Discuss issues related to travel reimbursement and honorarium

Day 2 – Tuesday, March 12, 2019

- 8:30 – 8:40 Welcome and Agenda Review
- Review agenda for day – *David Epstein, SWCA*
- 8:40 – 10:00 RFP Development (cont.)
- Working groups – *Science Panel Breakout*
 - For each RFP, review existing or recommend/draft new content for each section
- 10:00 – 10:10 **Break**
- 10:10 – 10:25 RFP Next Steps
- Brief updates on breakout group discussions
 - Overview of next steps and timelines
- 10:25 – 11:10 Analysis Plan Update
- Updated on Analysis Plan – *Michael Paul*
 - Address any questions or comments from the Science Panel
- 11:10 – 12:00 DWQ Sampling Plan
- Review the 2019 Field Sampling Plan – *Scott Daly, DWQ*
 - Address any questions or comments from the Science Panel
- 12:00 – 12:15 University of Utah Model Development Project
- Initial Reactions to U of U response letter to the Science Panel – *Mitch Hogsett, Science Panel Chair*
 - Identify discussion items for April 25-26 Science Panel meeting
- 12:15 – 12:20 Public Involvement
- Members of the public will be given an opportunity to comment on the Utah Lake Water Quality Study efforts. The amount of time given to each individual will depend on the number of people wishing to provide comment. Additional comments can be submitted in writing to the Division of Water Quality.*
- 12:20 – 12:30 Wrap Up
- Final thoughts from the previous sessions
 - Confirm action items and schedule
 - Closing thoughts
- 12:30 **Adjourn**