



TECHNICAL COMMITTEE MEETING

Wednesday, June 15, 2016, 9:30 AM

Utah Lake State Park

4400 W. Center Street, Provo, Utah 84601

ATTENDEES:

Mike Mills, Chairman, June Sucker Recovery
Reed Price, Vice-chairman, Orem City Public Works
Richard Nielson, Chairman, Utah County Public Works
Scott Bird, Mapleton City
Greg Beckstrom, Provo City
Scott Daly, Department of Environmental Quality
Jason Allen, Utah Division of Parks and Recreation
Reed Price, Orem City
Ben Stireman, Division of Forestry, Fire, and State Lands
Eric Ellis, Utah Lake Commission
Kara Knighton, Saratoga Springs City
Kim Struthers, Lehi City
Ann Merrill, Division of Water Resources
Brandon Snyder, Lindon City
Sarah Johnson, CUWCD

Kari Malkovich, Woodland Hills
Chris Keleher, Department of Natural Resources
Henry Maddux, JSRIP
Mike Pectol, U.S. Army Corps of Engineers

VISITORS:

Dee Chamberlain, Saratoga Springs HOA
Lee Hansen, Utah National Parks Council
Matt Randall, BYU Grad Student
David Richards, Oreo Helix Consulting
Theron Miller, JR/FB Water Quality Council
Mark Ogren, Provo City
Rich Mickelsen, Provo City
Bryce Jackson, Spanish Fork City

ABSENT: Santaquin City, American Fork City, Lindon City, Springville City, Springville City, Vineyard City

1. Welcome and introductions

Mike Mills called the meeting to order at 9:30 AM. Everyone introduced themselves.

2. Review and approve minutes from the January 20, 2016 and March 16, 2016 meetings

Richard Nielson made a motion to approve the January 20, 2016 minutes with the understanding that they would be corrected to show that Mike Mills is the Chairman of the Technical Committee. Reed Price seconded the motion. Voting was unanimous in favor of approving the minutes. Reed Price made a motion to approve the March 16, 2016 minutes. Ben Stireman seconded the motion. Voting was unanimous in favor of approving the minutes.

3. Brief updates on Utah Lake issues, projects, and priorities

A. Lake Level: Jason Allen gave a report on lake level. 4.5 feet below compromise level. Visitation has dropped and there have been reports of propeller damage. Unfortunately the water level most likely won't get better this year.

- 1 B. Phragmites Treatment: Phragmites treatment will be done in Provo bay and Powell Slough for a combined 2,300
2 acres. There will also be spot treatment in areas of regrowth. The Utah Lake Commission (ULC) will be working
3 with the Army Corps to get mitigation credits for the work that will be done this year. The credit ratio will be
4 very site specific.
- 5 C. Carp Removal: This year didn't start off great with carp removal but things picked up in March and have
6 continued to be successful throughout April and May. A reassessment of the carp population has been funded.
7 David Richards mentioned that he will be sampling benthic (lake bottom) macroinvertebrates (small
8 backboneless animals) over the next couple years, and he will see if there are any changes in benthic life as a
9 result of carp removal.
- 10 D. Current/Proposed Utah Lake Research: Eric Ellis wanted to open up the meeting for a discussion about potential
11 research or projects that could be done at Utah Lake. There are a lot of water quality experts in the room, and it
12 will be good to get ideas for future research at Utah Lake. Reed Price pointed out that the Utah Lake
13 Commission can and should act as a mediator between the occasional competing interests between The State
14 Division of Water Quality and the Municipalities. There are 3 groups doing research on the lake right now: The
15 Division of Water Quality, The Jordan River/Farmington Bay Water Quality Council, and the June Sucker Recover
16 Program.

17
18 Theron Miller gave a summary of the research he is doing. The main issue is the speciation of phosphorus as it's
19 released from Wastewater Treatment Facilities. There is evidence that much of the phosphorus is tied up in
20 mineral forms. It will be expensive to take phosphorus out, so the municipalities want to ensure that they will
21 get the "bang for their buck" before they invest significant funds into phosphorus reduction. Theron also
22 discussed the 2014 algae bloom and the two dog deaths that happened during that week. Based on the research
23 that he had done, there should have been toxins inside the body of the dogs. There was no residue or cells
24 found in the stomach of the dog that died at Utah Lake, which is what would have been expected. In Theron's
25 opinion, there was not enough scientific evidence to say that the dog died as a result of the algae bloom. He
26 does not think Utah Lake should have been listed for Harmful Algae Blooms HAB's.

27
28 Scott Daly clarified that Utah Lake had been listed as impaired for recreational use, due to the algae. Scott also
29 added that in the Integrated Report (IR), Provo Bay has been listed for ammonia and pH criteria. He explained
30 that the Harmful Algae Bloom listing is based on several years' worth of data compared with the World Health
31 Organization guidelines, and not just the data from the 2014 bloom at Utah Lake.

32
33 Reed Price recommended that the Utah Lake Commission Governing Board could offer a resolution in response
34 to the IR if they feel it would help the process. (In support of, against, etc.)

- 35
36 E. State Grants through ULC and Forestry, Fire, and State Lands (FFSL): Eric Ellis briefly confirmed that the following
37 projects are still underway:
- 38 a. American Fork Boat Harbor
 - 39 b. Nature Center
 - 40 c. Sandy Beach improvements
 - 41 d. Saratoga Springs Marina
 - 42 e. Spanish Fork Trail Alignment
- 43 F. Water's Edge Development: FFSL, the county, and the commission as a whole are helping ensure that the beach
44 area is developed appropriately with a trail.
- 45 G. Provo Harbor Dredging Project: Jason Allen confirmed that the goal is still to do a late fall/early winter dredge.
46 The Army Corps is still waiting on the application from JUB engineering.
- 47 H. Provo Beach Masterplan: Jason Allen gave an update on this. Wetland Mitigation will be the biggest hurdle to
48 get this project done, but there is still a lot of excitement for the project.

- 1 I. 4th Grade Field Trip: The Utah Lake Commission hosted its annual 4th grade field trips on four different days this
2 spring. It was a great success. 1300 students participated in a variety of fun activities. Thanks to the DWR, Living
3 Planet Aquarium, the State Park, Bill Loy, Central Utah Water Conservancy District, and others for their support.
4 J. Adopt-a-Shoreline: A group called LDS Earth Stewardship has officially signed up and done a cleanup project. A
5 second group has signed up but has yet to do a project. So far the program is looking good for this first year.
6 K. Utah Lake Festival: Luke Allen, Eric Ellis, and Mike Mills each gave a brief report on the Utah Lake Festival, which
7 was on June 4, 2016. There were over 4,000 attendees. The biggest change from previous years was that the
8 festival was extended out to the middle jetty. This made things less congested and provided a better experience
9 for people.

10
11 **4. General comments from the committee members and the public**

12 There was a reminder that the State will be doing a presentation on Utah Lake Nutrient Reduction at the Governing
13 Board Meeting on June 23, 2016.

14
15 **5. Confirm next meeting time**

16 The next meeting is scheduled for July 20, 2016.

17
18 **6. Adjourn.**

19 The meeting was adjourned at 11:10 AM.