

Approved



TECHNICAL COMMITTEE MEETING
Thursday, May 15, 2019, 9:30 AM
Utah Lake State Park
4400 W. Center St. Provo, Utah 84601

ATTENDEES:

Reed Price, Chair, Orem
Eric Ellis, Utah Lake Commission
Sullivan Love, Vineyard
Sarah Carroll, Saratoga Springs
Scott Daly, Vice Chair, DWQ
Mike Rau, CUWCD
Anders Bake, Lindon
Juan Garrido, Springville
Morgan Faulkner, FFSL
Josh Holt, Utah State Parks
Jesse Stewart, Utah Lake Water Users
Mike Mills, JSRIP
Cory Pierce, Spanish Fork

Scott Bird, Utah County
Kari Malkovich, Woodland Hills

VISITORS:

Sam Braegger, Utah Lake Commission
Kaylee Jorgensen, Utah Lake Commission
Dax Reid, UDAF
Dee Chamberlain, SSOA
Clayton Wolf, Vineyard resident

ABSENT: Alpine, American Fork, Cedar Hills, DNR, DWR (Aquatics), DWR (Habitat), Highland, Lehi, Payson, Provo, Salem

1 **1. Welcome and introductions**

2 Chair Reed Price called the meeting to order at 9:34 AM. Everyone introduced themselves.
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4 **2. Review and approve minutes from the March 14, 2019 meeting**

5 A. Chair Price asked for a motion to approve the March 14, 2019 minutes. Scott Daly made a motion to approve the
6 minutes. Mike Rau seconded the motion. Voting was unanimous in favor of approving the minutes.
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8 **3. ULC Director's updates on Utah Lake issues, projects, and priorities**

9 A. Eric Ellis:

- 10 i. Lake level: 1.85 feet below full, surpassing the forecasted peak height for this year of 2.8 feet below full.
11 Expectations are that it could continue to rise.
12 ii. Budget Requests

- i. ULC Shoreline Improvement CPF Request to GB – this \$30,000 will act as a grant for communities to use towards shoreline improvement projects. Ex. improving a beach, adding amenities, etc. To be used as seed money to match up with municipal and county funding. County is very interested in funding projects improving amenities at Utah Lake.
- ii. ULC Shoreline Assessment Study - \$25,000- the scope of this study will be to do a soil assessment around the lake shore at a min of 1 mile increments, assess what types of soil are in which areas. This would help determine best practices for beach enhancements or wetland preservation. We will be partnering with FFSL on this study.
- iii. Walkara Way Project
 - i. Eric recapped what the project was. He displayed a digital map showing the current version of the project, including phases, the fence lines for grazing, etc. There was discussion on the fencing and grazing. Eric also described some areas of the project that are being considered for community ponds. Trail delineation was included on the map, following the high water mark. Meetings underway to finalize that delineation.
- iv. RFP for Algae Bloom Treatments – Update/progress: RFI went out, many proposals submitted. Helped form the need for an RFP, aim for approx.. 3 projects to be pilot tested on Utah Lake this summer, likely in the marinas. Once the RFP is published, we will share with the Committee, to be shared with any interested parties. RFP window will be short, we hope to expedite the review and selection process to make the testing happen quickly. Various agencies will be involved in the review process, and provide permitting if needed.
- v. Marsh Master Schedule – Mowing Status: the Marsh Masters are working well, the issue has been the coupler between the Marsh Master and the hydraulic drive of the mower. The couplers have been stripping, now they’ve been splitting down the weld. Utah County is working on a solution. Once resolved, the machines will start again where they left off, the middle of the north shoreline of the lake.
- vi. Communications: “Utah Lake is My Lake” – Interview Ideas: Sam reviewed what the Utah Lake is My Lake campaign is. He then explained on the idea of interviewing lake users who are passionate about the lake. Joe Arave with Epic Recreation was our first interview. There will be a blog post to kick off this campaign, and video interviews to participate. The Commission will also attend several city festivals this summer with a booth and talk about the lake. Some discussion on events at the lake, the campaign, etc. Kaylee displayed the draft logos for the Utah Lake Is My Lake Campaign, and asked for input. Some ideas about improving it were discussed, i.e. including the shape of the state around it, etc.
- vii. Utah Lake Festival – June 1st 10 am – 2 pm: Eric announced the date of the Utah Lake Festival, invited all Technical Committee members to attend, and spread the word.

4. Discuss Draft RFP for Shoreline Assessment Study and potential uses for study

- A. Scott Daly reported on the topics of research that are undergoing RFP processes. The Utah Lake Water Quality Study (ULWQS) Science Panel has 3 topics that they are interested in having research done sooner than later, to provide data to make decisions down the road. One is bio assay assessments, looking at which nutrients are liminate in the lake, and how that changes throughout the season. The second is a paleolimnologic study, to looking at sediment cores to accurately date sediment makeup, how nutrients have changed from pre-settlement to current day, etc. The third is a sediment interface/sediment chemistry experimentation, looking at how nutrients are exchanged through the water column to the sediment, how those fluxes might be adjusted under a reduced nutrient condition in the lake. The RFPs have been out a few weeks, will close on May 22nd. ULWQS funds will be used for these three studies. Scott highlighted the next steps with the RFPs and the ULWQS Steering Committee and Science Panel involvement.

5. Knolls – Update on public access point development

- A. Utah County has acquired the land from the LDS church. The county has an agreement on the table with DWR for management of the access. Plans for improvement currently include a gravel boat ramp.

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2 **6. Vineyard Beach Enhancement Project -- Vineyard**

- 3 A. Sullivan reported that the project received a grant for \$100,000 through the Office of Outdoor Recreation. He
4 summarized the details of the project, i.e. the paved parking lot, the cul-de-sac for dropping off equipment, etc.
5 Eric added that the Commission will be going to the county to request additional funding through TRT funds for
6 this project. Sullivan added that the Anderson Geneva land has changed hands to Flagship Development.
7 B. Eric added that Saratoga Springs put in for the same grant for a project just to the north of the mouth of the
8 Jordan River to provide several access points into the river there, near the RC park.

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10 **7. Water Quality Study; Steering Committee Structure – Scott Daly – Progress Report**

- 11 A. Scott reviewed what happened over the last few months, i.e. developing the RFPs mentioned earlier in the
12 meeting. The Science Panel met in Feb. and March, put focus on those RFPs. Literature review has been
13 completed, used to help develop roadmap for how to develop the nutrient criteria for the lake. Conceptual
14 models are nearly complete, drawing lines to link between nutrients, chlorophyll, sediments, etc. He explained
15 what is coming in the near future. Exploring the uncertainty guidance document, basically it discusses how
16 comfortable are with what information we have, and can we make decisions based on information. The strategic
17 research plan should be finalized by fall. That plan is twofold, the overall research plan for the lake, what pieces
18 are missing, filling knowledge gaps, etc. The second part are the initial knowledge gaps, hence the three RFPs.
19 Scott also described timeline for the three projects out for RFP. Scott displayed and explained some of the
20 conceptual models.

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22 **8. JSRIP Update – Mike Mills**

- 23 A. Mike reported that the JSRIP recently had their annual assessment meeting in April. He described the status of
24 the effort as a roller coaster ride. They've had much good news and sobering news as well. He discussed the
25 June Sucker population model. They are seeing positive growth rates in the population of June Suckers. US Fish
26 and Wildlife has submitted the paperwork to downgrade the June Sucker to a threatened status instead of
27 endangered.
28 B. On carp removal, Mike discussed the quantities removed since 2009 on an annual basis. This year, weather has
29 been crazy. Jan-April, they have removed just under 300,000 lbs of carp. Last year, same timeline, they were at
30 764,000 lbs.
31 C. On modeling of carp populations, the current model shows that no what they do, by removing fish in this
32 manner, they can't hold the population in check. They are reviewing alternatives methods of keeping the carp
33 population in check.
34 D. Northern pike, illegal introduction sometime around 2011. They are trying to collect as many of them as they
35 can as a removal effort, but the population is still small. Removal is more incidental while carp removal occurs.
36 They have the potential to drastically change the fish community in Utah Lake if their population were to take
37 off. He demonstrated the effects of pike eating June Sucker. There isn't a reliable place to catch pike yet. They
38 are working on gathering more data on the pike here.
39 E. Provo River Delta Restoration Project (PRDRP), two weeks ago a purchase agreement was signed with the
40 Despain family, the final parcels needed to start construction. Mike shared a few more details on that purchase.
41 He highlighted the new project area, it is smaller than originally planned due to land purchase limitations.
42 Construction should start in spring of 2020, likely last four years. Upon request from a Committee member, Mike
43 summarized the details of the PRDRP and how it will help the June Sucker recover, what the delta used to be
44 like.

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46 **9. General comments from the committee members and the public**

- 47 A. Eric announced the Utah Lake Festival date, time (included above in the minutes) and described the details of
48 the event. He also highlighted the paddle board camps that happen each summer at the lake. This year, the

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1 Commission is designing and providing t shirts to each of the kids that come. This camp improves perceptions of
2 the lake because the kids and their families have a positive experience down at the lake and likely return again.

- 3 B. Dax Reid reported on a project restore a few parcels, that would benefit the June Sucker in the area of 5200 S.
4 Discuss details with Commission afterwards.
- 5 C. Mike Rau reminded everyone of the Central Utah Water Symposium next Tuesday, highlighting safeguarding
6 water. All are welcome to attend, register on cuwcd.com.
- 7 D. Sullivan Love thanked the Commission for participating in Vineyard City's Earth Day event. He briefly described
8 what the project accomplished.
- 9 E. Jesse Stewart reported that the pumps at mouth of Jordan River are pumping at about 110 cfs right now.
- 10 F. Juan Guarido mentioned that he will keep working with UDOT on his aforementioned project. The water from
11 Spring Creek is flooding over the drainage, the drainage needs to be cleaned out and needs a permanent
12 maintenance program. There seems to be confusion over who has jurisdiction and responsibility to maintain it.
13 Reed compared it to the Taylor Drain issue for Orem City, they are currently working to resolve. Springville's
14 case, the water doesn't belong solely to them. UDOT hasn't replied to Eric about the issue yet, Reed suggested
15 they might be able to help.

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17 **10. Confirm next meeting time**

18 The next meeting is scheduled for Wednesday July 17th, 2019 at 9:30 AM.

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20 **11. Adjourn.**

21 The meeting was adjourned at 10:46 AM.