



BARNES LAKE MANAGEMENT DISTRICT MEETING MINUTES

Wednesday, November 08, 2023

Online via Zoom and in person at Tumwater City Hall, Sunset Room
555 Israel Rd. SW, Tumwater, WA 98501 6:00 PM

1. Call to Order
2. Roll Call: Dan Smith (Water Resources and Sustainability Director), Lisa Parks (City of Tumwater Administrator), Patrick Soderberg (Water Resources and Sustainability Program Manager), Dave Kangiser (Water Resources Specialist), Doug Dorling (Northwest Aquatic Ecosystems), Dana Day, Jody Keys, Linnea Madison, Kathy Peterson, Rusty Weaver. Judith Loft was excused.
Zoom: Tom Sparks, Lalani Shelton, Jolt News
3. Introductions and Agenda Review:

Member Peterson would like to add Gary Bodeutsch award and a discussion about the Lark St. sewer line to the agenda.
4. Introduction of Lisa Parks, City Administrator

Administrator Parks introduced herself and described her career path. There was a general discussion around the objectives of the LMD. The Committee thanked Ms. Parks for attending the meeting, and her interest in the work of the LMD.
5. Approval of Minutes
 - a. October 11, 2023 Steering Committee Meeting

2023 Meeting Dates

February 8

March 29

June 14

Sept. 13 (5:00 walk about)

October 11

November 8

Member Peterson motioned to approve the minutes; Member Day seconded the motion. The vote was unanimous to approve the minutes.

6. Public Comment

There was no public comment.

7. Member Comment

Member Day explained the problem that she has been having with her sewer back-up. City Staff will follow up with this issue at Lark St. There is concern that this could be causing Phosphorus and nutrients to enter the lake. Director Smith said he would have the City's sewer crew investigate the problem.

8. Lake Management

a. NWAES Update (Dorling)

The last lake treatment occurred on July 10. The main issue this year was lake levels preventing access to all the areas that require treatment. The current strategy for treatment is adaptive management and trying to keep access to the lake open for recreational use. There was a discussion about the treatment map where Contractor Dorling identified the white boxes as treatment areas.

Biobase, who stores the data and maps, was hacked and current data has not been accessible. Older maps were referenced as a temporary visual aid for treatment areas.

The floating island in front of Member Day's property was moved out of the way for boat access and anchored with ropes and cinder blocks.

The boat launch was improved while the lake has low water. A dump trailer was successfully used to deliver crushed rocks to stabilize the boat access.

The NPDES Permit changed the time period that treatment is allowed in some water bodies. Barnes Lake was not affected by this change. It affected other contracts that NWAES maintains which affects the timing of the post treatment survey. This year, the post treatment survey was not conducted due to a scheduling conflict.

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Fluridone treatment will not occur in 2024 or in the future. Diquat is just as effective for bladderwort, however low lake levels prevent treatment from reaching bladderwort in shallow areas. Brasineia needs to be treated on an as needed basis with Triclopyr.

Private treatment needs to begin being coordinated in February. The notification could be automated on an annual basis. During the first 2024 LMD meeting the LMD can agree on the communication package to conduct outreach.

Outreach strategy: City staff will gather outreach material and topics for the first 2024 meeting.

- Application for board
- Application for private treatment
- Phosphorous education
- Water quality update
- Budget update
- Treatment update

Member Shelton asked why the lake is called a lake and not a pond. She also asked if the lake is spring fed.

Director Smith described Barnes Lake as a “kettle lake.” Rainfall and groundwater keep the lake full. A stormwater pond is engineered and does not connect to ground water.

b. Lake Levels and Temperature (Kangiser)

Low lake levels have prevented data collection since August. Lake levels are historically low. An analysis of existing data from 3 months in 2023 revealed that water quality was trending healthy. Comparing 2022 and 2023, 2023 was a better year for dissolved oxygen and water clarity, even though temperatures were the highest recorded during water quality sampling events. Total Phosphorous remains above state water quality standards. An orthophosphorous test would tell us more about how much phosphorous is

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available for productivity in the lake. Contractor Dorling can target his treatment based on orthophosphorous analysis.

City staff will investigate Orthophosphorous analysis costs.

9. General Business

a. 2023 Work Plan (Smith)

Director Smith reviewed the 2023 Work Plan. All tasks have been met or are in progress.

b. 2023 Budget review (Smith)

Director Smith reviewed the 2023 budget.

c. Review 2024 Draft Budget and Work Plan

The 2024 budget will not need to reflect fluridone treatment. Diquat will be used instead. Fluridone is much more expensive than Diquat.

The 2024 budget is already adopted and will be similar to 2023.

d. Set Meeting Dates for 2024

January 31

April 3

June 12

September 11 (walk about)

October 9

November 13

10. Gary Bodeutsch Award:

Member Peterson showed the group the plaque that was awarded to Chair Bodeutsch by the North American Lake Management Society. There was discussion about recognition by the City of Tumwater for this Volunteer Achievement Award.

11. Future Agenda Items

Gary Bodeutsch Volunteer Achievement Award recognition

Private lake treatment protocol for 2024

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Outreach material review

Treatment Summary review (if available)

Lake Management Update

General Business

12. Adjourn at 7:55 PM