



CITY OF
TUMWATER

**BARNES LAKE MANAGEMENT DISTRICT
MEETING AGENDA**

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

**Wednesday, January 31, 2024
6:00 PM**

1. Call to Order
2. Roll Call
3. Introduction and Agenda Review
4. Approval of Minutes
 - [a.](#) November 8, 2023 Steering Committee Meeting
5. Public Comment
6. Member Comment
7. Lake Management
 - a. Northwest Aquatic Eco-Systems Closure
 - b. Contractor Request for Qualifications
 - c. Lake Levels and Temperature (Kangiser)
8. General Business
 - [a.](#) 2024 Work Plan Update
 - [b.](#) 2024 Budget
9. Next Meeting Date - April 3, 2024
10. Adjourn

Meeting Information

The public are welcome to attend in person, by telephone or online via Zoom.

Watch Online

<https://us02web.zoom.us/j/85949197397?pwd=TFFKaWM2VEViTkppbWdEVkxCWnFodz09>

Listen by Telephone

Call (253) 215-8782, listen for the prompts and enter the Meeting ID 859 4919 7397 and Passcode 288676.

Post Meeting

Audio of the meeting will be recorded and later available by request, please email

CityClerk@ci.tumwater.wa.us

Accommodations

The City of Tumwater takes pride in ensuring that people with disabilities are able to take part in, and benefit from, the range of public programs, services, and activities offered by the City. To request an accommodation or alternate format of communication, please contact the City Clerk by calling (360) 252-5488 or email CityClerk@ci.tumwater.wa.us. For vision or hearing impaired services, please contact the Washington State Relay Services at 7-1-1 or 1-(800)-833-6384. To contact the City's ADA Coordinator directly, call (360) 754-4128 or email ADACoordinator@ci.tumwater.wa.us.



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

2023 Meeting Dates					
February 8	March 29	June 14	Sept. 13 (5:00 walk about)	October 11	November 8

Outreach material review

Treatment Summary review (if available)

Lake Management Update

General Business

12. Adjourn at 7:55 PM



Barnes Lake Management District – 2024 Work Plan

**LMD
Officers:**

Chair: *Linnea
Madison*

Vice Chair: *Tom
Sparks*

Recorder: *Dave
Kangiser*

For more information, visit: www.ci.tumwater.wa.us/BLMD.htm

The following tasks are outlined by month. Unforeseen circumstances may delay completion milestones.

January / February (Meeting date: **January 31**)

1. ☐ ~~Review 2023 Treatment Summary Report and update IAVMP and work plan as needed~~
2. ☐ Submit 2024 Annual Work Plan & Operating Budget for Council review and approval
3. ☐ ~~Begin "Private Lake Treatment" opportunity outreach efforts~~
4. ☐ ~~Prepare, review and distribute Member Outreach materials to be distributed in March~~
5. ☐ ~~Update and execute vegetation treatment contract for Northwest Aquatic Eco Systems~~
6. ☐ Review SOP for volunteer monitoring program

March / April (Meeting date: **April 3**)

1. ☐ ~~Distribute outreach materials to LMD members relating to 2024 work plan, budget, schedule, and 2023 Treatment Summary Report.~~
2. ☐ Update/acquire supplies for water quality monitoring program
3. ☐ Complete training of volunteers for summer water quality monitoring program
4. ☐ Submit revised roll of rates and charges to Tumwater Finance Department, as needed

May / June (Meeting date: **June 12**)

1. ☐ Conduct chemical treatment(s) on lake if possible (dependent on growth & water levels)
2. ☐ Contractor to provide floating mats to volunteer property owners for removal, as available.
3. ☐ Conduct aerial photo assessment of lake, as conditions permit
4. ☐ Review Steering Committee Appointments; announce vacancies as needed
5. ☐ Conduct May round of water quality monitoring
6. ☐ Conduct June round of water quality monitoring

July / August

1. ☐ Conduct shoreline treatment(s) if possible (dependent on growth & water levels)
2. ☐ Conduct chemical treatment(s) on lake if possible (dependent on growth & water levels)
3. ☐ Conduct July round of water quality monitoring
4. ☐ Conduct August round of water quality monitoring

September / October (Meeting date: **October 9**)

1. ☐ Conduct follow-up aerial photo assessment of lake, as conditions permit
2. ☐ Deliver "End-of-Season" update outreach materials for LMD Stakeholders via web and US Mail
3. ☐ Conduct September round of water quality monitoring
4. ☐ Conduct final round of water quality monitoring
5. ☐ Update water quality summary report with 2024 data
6. ☐ Review permit compliance needs and requirements for 2025
7. ☐ Review budgetary needs for 2025
8. ☐ Steering Committee's Annual Lake "Walk About" (**September 11**)

November / December (Meeting date: **November 13**)

1. ☐ Develop 2025 work plan based on 2024 activities, LMD needs and available budget
2. ☐ Develop draft Operational budget for 2025
3. ☐ Finalize meeting schedule for 2025
4. ☐ Annual election of Steering Committee officers – Chair, Vice-Chair, Recorder

Expense Budget

Barnes Lake Management District

2024

PROJECT #

2024005

Administrative		Budget	Actual	\$ Balance	%
COT Admin	120.30.538.300.91.01	\$ 2,000	\$ -	\$ 2,000	100%
Printing / Supplies	120.30.538.300.31.00	\$ 350	\$ -	\$ 350	100%
Misc Admin	120.30.538.300.31.00	\$ 3,000	\$ -	\$ 3,000	
Operating		Budget	Actual	\$ Balance	%
Contract Services	120.30.538.300.41.08	\$ 33,800	\$ -	\$ 33,800	100%
Vegetation Survey & Treatment		\$ 25,800	\$ -		
Floating Mat Management		\$ -	\$ -		
Admin Services*		\$ 8,000	\$ -		
Public Outreach	120.30.538.300.33.00	\$ 500	\$ -		
Water Quality Monitoring	120.30.538.300.41.08	\$ 500	\$ 364	\$ 136	
NPDES Permit Fee	120.30.538.300.49.18	\$ 736	\$ -	\$ 736	100%
Misc Operating	120.30.538.300.33.00	\$ 1,000	\$ -	\$ 1,000	100%
Operating Reserve		\$ -	\$ -	\$ -	
Total Expenses		Budget	Actual	\$ Balance	%
		\$ 41,886	\$ 364	\$ 41,522	99%
Total Income		Budget	Actual		
Assessments		\$ 20,033	\$ -	\$ (20,033) BALANCE	
Misc Credits		\$ -	\$ -		
BEGINNING FUND BALANCE		\$ 34,919	\$ 34,919		
Total Revenue		\$ 54,952	\$ 34,919		
Fund Balance		\$ 13,066	\$ 34,555		