



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, October 11, 2023
6:00 PM**

1. Call to Order
2. Roll Call
3. Introduction and Agenda Review
4. Approval of Minutes
 - [a.](#) June 14, 2023 Steering Committee Meeting Minutes
5. Public Comment
6. Member Comment
7. Gary Bodeutsch - Leadership & Stewardship Award, NALMS
8. Election of Chair & Vice Chair
9. Lake Management
 - a. NWAES Update (Dorling)
 - [b.](#) Lake Levels and Temperature (Kangiser)
10. General Business
 - a. Lake Walk Recap (Committee)
 - [b.](#) 2023 Work Plan Review (Kangiser)
 - [c.](#) 2023 Budget Review (Kangiser)
11. Future Agenda Items
12. Next Meeting Date - 11/8/2023
13. Adjourn

Meeting Information

All committee members are attending remotely. The public are welcome to attend in person, by telephone or online via Zoom.

Watch

Online<https://us02web.zoom.us/j/89113301771?pwd=dWV3MmpTYlpoR1FiZFp1OHFMR25Hdz09>

Meeting ID: 891 1330 1771

Passcode: 544593

Listen by Telephone

Call (253) 215-8782, listen for the prompts and enter the Webinar ID 891 1330 1771 and Passcode 544593.

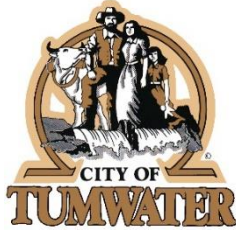
Post Meeting

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

CityClerk@ci.tumwater.wa.us

Accommodations

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BARNES LAKE MANAGEMENT DISTRICT MEETING Minutes

Wednesday, June 14, 2023

1. Call to Order

2. Roll Call: In person: Linnea Madison (Vice-Chair), Rusty Weaver, Kathy Peterson, Tom Sparks, Dave Kangiser (Water Resources Specialist), Doug Dorling (Northwest Aquatic Ecosystems);

Zoom: Dan Smith (Water Resources and Sustainability Director), Dana Day, Jerome Tuano (Jolt News)

3. Introductions and Agenda Review

Director Smith asked that Agenda Items 7 and 8 be switched so he could be excused early.

4. Approval of Minutes

a. February 8, 2023 Steering Committee Meeting

Member Peterson had comments she would like incorporated. Comments were submitted to Specialist Kangiser and incorporated into the final draft. Peterson motioned to accept the final draft. Member Sparks seconded the motion, and the vote was unanimous to accept the final draft.

b. March 29, 2023 Steering Committee Meeting

Member Peterson had comments she would like incorporated. Comments were submitted to Specialist Kangiser and incorporated into the final draft. Peterson motioned to accept the final draft. Member Sparks seconded the motion, and the vote was unanimous to accept the final draft.

5. Public Comment:

There were no public comments.

6. Member Comment

Member Weaver commended Member Peterson as a fabulous member of the neighborhood. Her deer photos were widely distributed.

2023 Meeting Dates

February 8

March 29

June 14

Sept. 13 (5:00 walk about)

October 11

November 8

A fire near the church property was called in by Member Peterson and was extinguished quickly.

7. Lake Management

a. NWAES Update (Dorling)

*Contractor Dorling shared the treatment map from May 17. The majority of vegetation shown during the survey is filamentous algae. There are limitations on the drone flight path due to an FAA no-fly zone. Two drones were used to capture the whole lake survey. Treatment targeted one weed: broadleaf pond weed (*P. anthifolious*). This plant was most likely introduced from waterfowl carrying seeds. The checkered area was treated with Diquat Aquathol K to allow access for property owners. Fish like the targeted weed so judicious application of treatment was used. Contractor Dorling will reassess for re-treatment in coming weeks. This treatment application also affects bladderwort. Lily pads were treated with imazapyr and triclopyr. A resident in the northern section was disgruntled and contacted Contractor Dorling via email. The resident wanted their area in front of their property treated. Contractor Dorling treated the area as part of his routine treatment plan. Properties can be treated from the shoreline, but no specific requests were communicated to Contractor Dorling or the LMD. A site visit with City staff might be warranted. This area should be able to re-treat as needed with the smaller boat.*

b. Mats Management (Dorling)

Metal rods were used to anchor some of the islands that were moved but were not effective. Ropes with cinder blocks were eventually used to anchor the islands. "Hay Island" will eventually sink unless it becomes established with new vegetation. The channel near DOT has opened more.

c. Acceptance level of unwanted weeds (committee)

Established literature suggests that wetland habitat assists with nutrient uptake. Orthophosphorus would be more appropriate measure to gauge soluble phosphorus that drives algae growth. The current nutrients that are measured during routine water quality monitoring include Total Phosphorus and Total Nitrogen. No decision was made by the steering committee on acceptable levels of unwanted vegetation.

d. Wetlands preservation for Phosphorus control (Dorling)

There are some concerns that the sewer system is leaching into the lake at Lark St. City staff is unaware of any sewer leaks that affect Barnes Lake, but could see if our sewer crew could investigate further.

e. Private property lake treatment (Madison)

2023 Meeting Dates

February 8

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Sept. 13 (5:00 walk about)

October 11

November 8

The McAfferty property was the only candidate for private property vegetation management, but looked like the area had been removed by hand. Woody shrubs are not responsibility of LMD.

f. Lake Access Update (Dorling)

Contractor Dorling will address this when water levels are lower.

g. Lake Levels and Temperature (Kangiser)

May 23 sampling results:

We recorded the highest May surface temp taken during a May sampling event (22.3° C = 72° F; next highest is in 2019: 19.1° C = 66° F). Temperatures at all depths followed this pattern. We usually see these temps in July and August. Bottom Dissolved Oxygen (DO) was at 5.1 mg/L. DO Usually hovers around 0-1 at that depth. Visibility with sechi disk was 7.75 feet. This is the clearest reading since 2013 (8 m). Phosphorus was at .04 mg/L. The state standard for Phosphorus is .02 mg/L.

8. General Business

a. Advisory Board and Commission Ethics Policy (Smith)

LMD Steering Committee Members that are present are required to sign the Ethics Policy document. Members that are not present in person will be provided the document and are required to sign it as well. Director Smith explained the significance of the Policy document and required signature.

b. 2023 Work Plan Review (Smith)

Director Smith reviewed the 2023 work plan. There has been some interest in condominium representation. The Committee reviewed committee members' terms who expire in 2023. Member Day and Vice Chair Madison said they would continue to serve on the steering committee.

c. 2023 Budget Review (Smith)

Director Smith reviewed the budget. No new expenses have been realized in 2023. Director Smith anticipates Water Quality monitoring expenses in the coming weeks..

10. Future Agenda Items

11. Next Meeting Date – October 11, 2023

12. Adjourn

2023 Meeting Dates

February 8

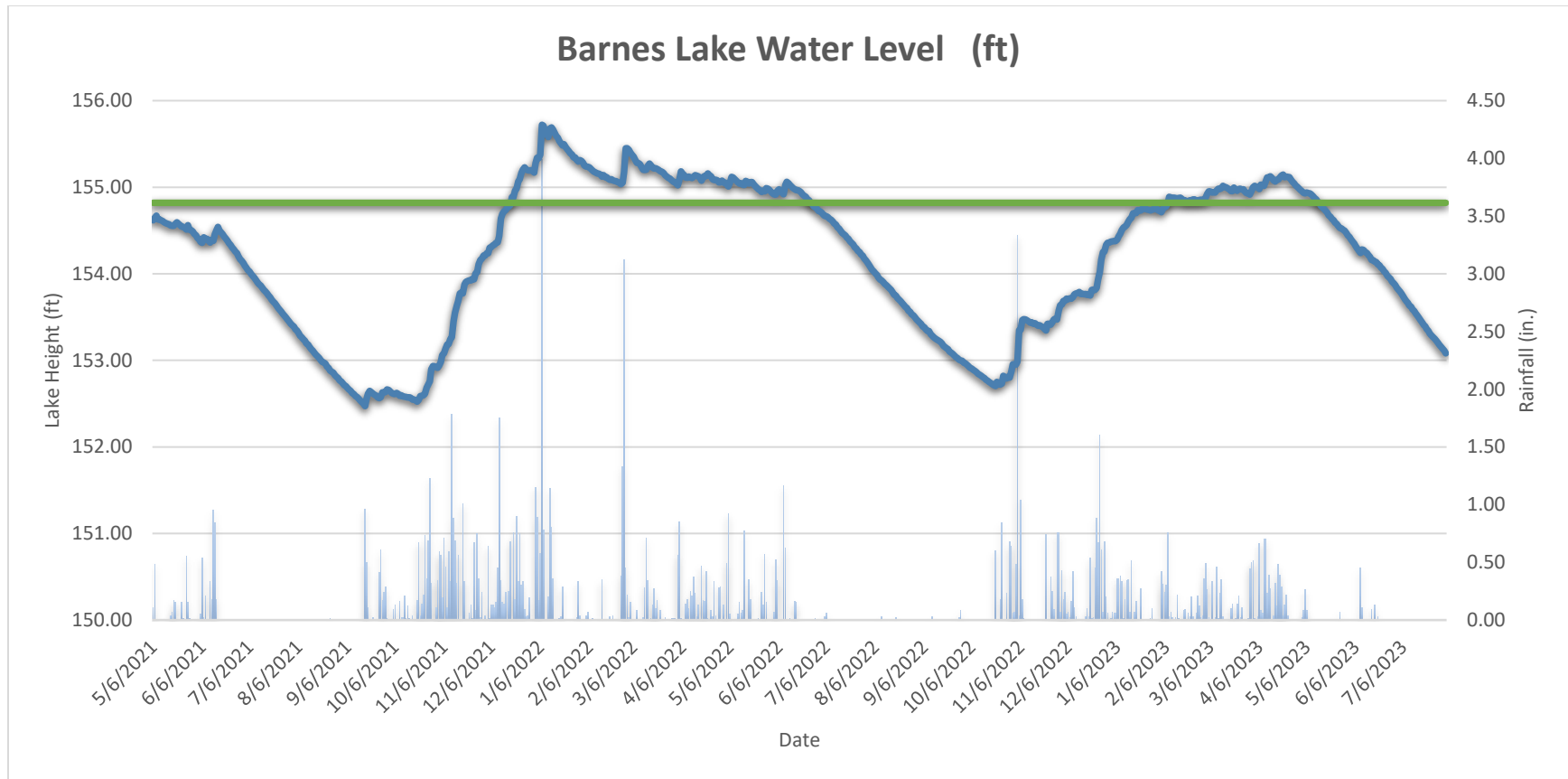
March 29

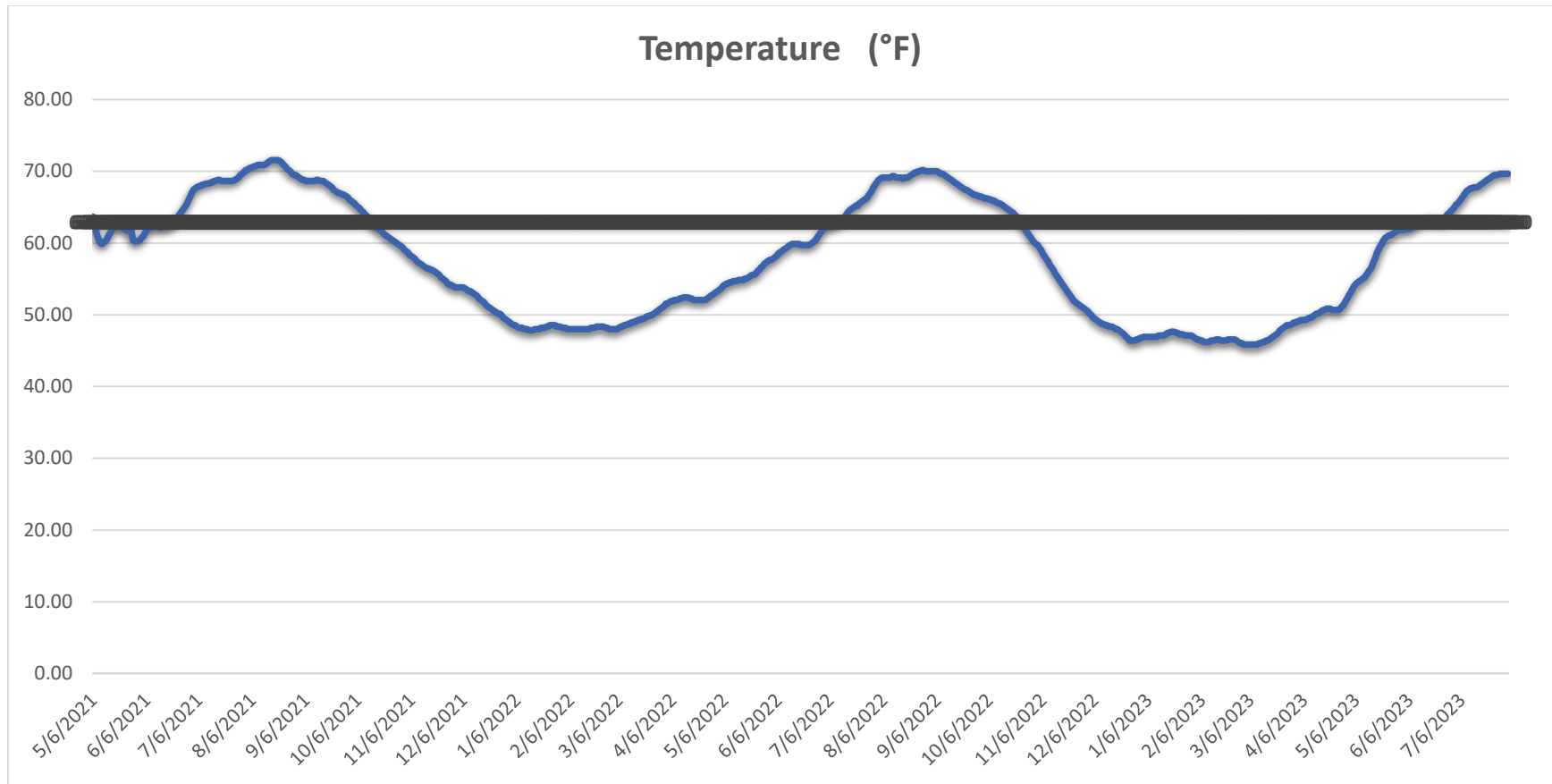
June 14

Sept. 13 (5:00 walk about)

October 11

November 8







Barnes Lake Management District – 2023 Work Plan

**LMD
Officers:**

Chair: Linnea
Madison (Interim)

**Vice
Chair:** Vacant

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: February 8)

1. ☒ Review 2022 Treatment Summary Report and update IAVMP and work plan as needed
2. ☒ Submit 2023 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: March 29)

1. ☒ Distribute outreach materials to LMD members relating to 2023 work plan, budget, schedule, and 2022 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
5. ☒ Communicate updates to finance for distribution of revised assessment letters.

May / June (Meeting date: June 14)

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) on lake 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~~ (Water levels too low)

September / October (Meeting date: October 11)

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 2023 data
6. ☐ Review permit compliance needs and requirements for 2024
7. ☐ Review budgetary needs for 2024
8. ☒ Steering Committee's Annual Lake "Walk About" (September 13)

November / December (Meeting date: November 8)

1. ☐ Develop 2024 work plan based on 2023 activities, LMD needs and available budget
2. ☐ Develop draft Operational budget for 2024
3. ☐ Finalize meeting schedule for 2024
4. ☐ Annual election of Steering Committee officers – Chair, Vice-Chair, Recorder

Expense Budget

Barnes Lake Management District

2023

PROJECT # 2023005

Administrative		Budget	Actual	\$ Balance	%
COT Admin	120.30.538.300.91.01	\$ 2,000.00	\$ -	\$ 2,000	100%
Printing / Supplies	120.30.538.300.31.00	\$ 350.00	\$ -	\$ 350	100%
Misc Admin	120.30.538.300.31.00	\$ -	\$ -	\$ -	
Operating		Budget	Actual	\$ Balance	%
Contract Services	120.30.538.300.41.08	\$ 30,250.00	\$ -	\$ 30,250	100%
Vegetation Survey & Treatment		\$ 19,250.00	\$ -		
Floating Mat Management		\$ 8,000.00	\$ -		
Admin Services*		\$ 3,000.00	\$ -		
Public Outreach	120.30.538.300.33.00	\$ 500.00	\$ -		
Water Quality Monitoring	120.30.538.300.41.08	\$ 500.00	\$ 364.34	\$ 136	
NPDES Permit Fee	120.30.538.300.49.18	\$ 725.00	\$ -	\$ 725	100%
Misc Operating	120.30.538.300.33.00	\$ 1,000.00	\$ -	\$ 1,000	100%
Operating Reserve			\$ -	\$ -	
Total Expenses		Budget	Actual	\$ Balance	%
		\$ 35,325.00	\$ 364.34	\$ 34,961	99%
Total Income		Budget	Actual		
Assessments		\$ 19,078.76	\$ 19,995.96	\$ 917 BALANCE	
Misc Credits		\$ -	\$ -		
BEGINNING FUND BALANCE		\$ 35,811.77	\$ 35,811.77	NEEDS CONFIRM	
Total Revenue		\$ 54,890.53	\$ 55,807.73		
Fund Balance		\$ 19,565.53	\$ 55,443.39		

Barnes LMD Expenses

Administrative			
Vendor	Purpose	Date	Cost
Edge Analytical	Water Quality Monitoring	6.5.2203	\$ 132.74
Edge Analytical	Water Quality Monitoring	7.31.2023	\$ 105.00
Edge Analytical	Water Quality Monitoring	9.26.2023	\$ 108.15
UPS Store	Water Quality Monitoring	8.2.2023	\$ 18.45
		Total	\$ 364.34