

Lake Lawrence Lake Management District Steering Committee

15735 Topaz Dr. SE
Yelm, WA 98597



1. **6:30 PM Call to Order** – Co-Chair Barry Halverson called the LLLMD Meeting on March 19, 2026, to order at 6:30 PM. Steering Committee members were introduced.

SC Members Present: Barry Halverson (Co-Chair), Jim Biehl (Co-Chair), Janice Leitzke (Budget Chair), Ken Stewart, Terry Stewart, and Steven Slater. A quorum was present, so the meeting continued.

SC Members Absent: Stephen Slater, Isaac Smith, and John Carpenter

Members Present: Kim Farnes, Frank Hudik, Vern Pederson, and Kathy Boyajian

Government Staff: None

2. **6:33 PM Approval of Agenda** – Barry notified SC that Frank Hudik had requested his presentation on Lake Water Level & Floating Island Issues be moved toward the end of the meeting as he would be late coming to the meeting. **MOTION: SC Member Steven Slater moved to approve the agenda as amended. SC Member Jim Biehl seconded. The motion passed unanimously.**

3. **6:33 PM Approval of February 19, 2026, Meeting Minutes** – Janice Leitzke identified a sentence in paragraph 5 of the DRAFT meeting minutes that needed to be changed.

MOTION: SC Member Janice Leitzke moved to approve the February 19, 2026, meeting minutes as amended. SC Member Jim Biehl seconded. The motion passed unanimously.

4. **6:34 PM Public Communications** – No one wished to make any statements/testimony at the beginning of the meeting. Participation by SC members throughout meeting on several topics.

5. **6:35 PM Recurring/Continued Business:**

Budget – Janice Leitzke – Provided an update of the 2026 Financial Report and Financial Details through March 18, 2026, see attached. No additional Grant funds were received. More expected soon. Janice is still working with the County to correct long standing issues – particular problem areas were Grant Funds not received totaling over \$41k, Interfund reimbursement for 2025 \$6,200 not received, other smaller budget invoice items that have been a recurring issue.

Work Orders/Invoices were detailed:

No new Work Orders/Invoices since February 2026 meeting. Only update was estimate for Treatment

Notification Card went down from \$500 to \$271.99 and will be mailed out to all shoreline residents on 31 March 2026.

6:46 PM Old Business

Senate Bill S-3518.1 – No movement on this issue as the Washington Department of Fish and Wildlife (WDFW) Lands Division Manager collaborating with us on the issue has not responded to several email requests.

Cyanobacteria Management Plan (CMP) – Toxic Algae Plan –All testing completed – working on DRAFT plan. Next CMP Meeting #4 on 16 April 2026 from 6:30-8:30 p.m. is a Public Meeting to be held virtually with contractor presenting DRAFT CMP Study.

With this plan we are attempting to control Toxic Algae Blooms and improve dissolved oxygen in the deeper depths of our lake. We are looking at many ways to do this:

- **Aluminum Sulfate (ALUM)** Only latest information since February meeting was an updated ALUM Testing Requirements Schedule from the updated Aquatic Plant and Algae Management (APAM) as of March 2026. This updated schedule now requires monitoring for pH, Temp, Conductivity, DO, % Saturation, Hardness (as CaCO₃), Total Alkalinity (mg/L), Dissolved Organic Carbon (mg/L), Total Aluminum (ug/L) and Sulfate (mg/L) three times

within 3 months prior to treatment, During treatment for pH, the Day after Treatment, 2 weeks after treatment, 1, 2, 6, 9 and 12 months after treatment for a total of 11 monitoring/testing requirements. Minimal cost for this testing was estimated by Herrera Inc., our CMP consultant, at \$17,000+ if the County Environmental Health and the SC help (testing/boat to access testing site, etc.).

- **Eutrosorb G and SI are Lanthanum based product.** Only new information since February meeting was an updated Lanthanum Testing Requirements Schedule from the updated Aquatic Plant and Algae Management (APAM) as of March 2026. This updated schedule now requires monitoring for pH, Temp, Conductivity, DO, % Saturation, Hardness (as CaCO₃), Total Alkalinity (mg/L), Dissolved Organic Carbon (mg/L), Total Lanthanum (ug/L), and Filterable Lanthanum (ug/L) three times within 3 months prior to treatment, Day after Treatment, 1, 2, 3, 6, 9 and 12 months after treatment for a total of 10 monitoring/testing requirements. Minimal cost for this testing was estimated by Herrera Inc., our CMP consultant, at \$17,000+ if the County Environmental Health and the SC help (testing/boat to access testing site, etc.).
- **Zero Valent Iron (ZVI).** Only new information since February meeting was an updated ALUM Testing Requirements Schedule from the updated Aquatic Plant and Algae Management (APAM) as of March 2026. This updated schedule now requires monitoring for pH, Temp, Conductivity, DO, % Saturation, Nitrate (mg/L), and Total Iron (ug/L), three times within 3 months prior to treatment, the Day after Treatment, 1, 2, and 3 months after treatment for a total of 7 monitoring/testing requirements. Minimal cost for this testing was estimated to be approximately \$5,000 if the County Environmental Health and the SC help (testing/boat to access testing site, etc.).
- **OASE Lake Therapy Product.** Since this product is a new product for Washington State and has not yet been used in the Pacific Northwest testing requirements were not included in the updated APAM However it is expected that more testing vs. less would be required for introducing a new product in WA State. OASE has stated they would be willing to absorb costs for an experimental use plan and most of the costs for testing.
- **Oxygenation System.** On 4 March 2026, Barry met with Brianne Blackburn, Pierce County Water Resources LMD Program Manager and Program lead for the OST System Pierce County is planning to deploy in Spanaway Lake later this year. They just completed 90% of the design. Brianne shared their design information that showed their set back from the water was 200 feet vs. 25 feet because they wanted to preempt problems with a SEPA and Conditional Use Permit and expedite the process. They would dig a ditch from the generator building to the water and bury the cables. She said they had no issues with WDFW or the Army Corps of Engineers over deployment of this system, however DNR is requiring a lease agreement for the part of the system that enters the water. DNR owns the bottom of the lake. They will build a concrete block maintenance building with concrete floor, metal insulated roof, and a roll-up garage door on one end with a wide steel door on the other. Small electric heater inside, exterior lights and a warning system for malfunctions. Brianne said she would keep me updated on the progress of the design and installation so I can visit the site periodically when construction starts to video the process and upload on our YOUTUBE Channel. Barry Attended Wildaire HOA Board Meeting on 25 February and briefed them on this system. They voted to allow the installation of the system at the Wildaire Community Park at a location to be determined should the LMD obtain the funding to install the system. Their concern was proximity to existing private residential property and would want the system moved to a different location if possible and noise abatement included in the project design. Attempts to reach out to owners of property on West Lake Lawrence to discuss use of their property for setting up an OST System there were not successful. Barry attended the LLCC HOA Board meeting on 11 March and discussed the potential to install the OST system at the LLCC Little Park on the corner of Lindsay and Pleasant Beach Drive if access to private property on the east side of West Lake Lawrence was not possible. The board agreed that it would be possible, but more detailed information would be required before a decision could be made.

- Full Reset Costs Discussed. Full Reset Means – Enough product applied in lake to sequester 7,250 lbs. of phosphorus in lake water column and sediment (the study showed this is the approximate amount we have in the lake). A full reset was not a doable option at this time.
- Partial Reset (20%) of In Lake Phosphorus (20% is the amount the study shows would be necessary to prevent harmful algae blooms), is the most realistic option and the option the SC will pursue.
 - The average cost for a partial reset using ALUM, Lanthanum or Calcium Based products would be approximately \$315k.
 - For Iron Based products it would be approximately \$190k.
- Testing Equipment Costs. Two similar sets of testing equipment were researched for purchase by LMD. One set would cost roughly \$17,000, the other \$22,000. The \$22,000 was the same model of equipment currently used by County Environmental Health to conduct water testing at 10 locations between April and October each year. The other is a less expensive but equally capable system. The pros and cons of purchasing this equipment were discussed. The primary pro was a substantial reduction in testing costs if we had the equipment to perform the testing ourselves, saving approximately \$7,500 each time we applied for any of the phosphorus sequestration products. The testing equipment would pay for itself after only three phosphorus treatments and has a life span of 20+ years. It was recommended we include this equipment slide/cost with our letter to members requesting a Non-Profit be established to pay for things like this. More discussion at May meeting.
- Cyanobacteria Options. A lot of time was devoted to discussing the options, facts, assumptions, criteria, and weighing the criteria to formulate a decision matrix to best provide an unbiased recommendation for what product(s) to use in mitigating/eliminating our Harmful Algae Bloom (HAB) problem. Six Areas of concern were identified with 14 criteria. One concern and one criterion were eliminated from the decision matrix (Cost & Logistics) so that the ultimate decision would be based on what is best for the lake versus what is affordable. Affordability would be addressed separately. Scoring and weighing were resolved to be reviewed and discussed again at the May meeting.

LMD Renewal 2027 – Ballots were counted on 12 March 2026 by County personnel. See pic below:



This was a very professional and deliberate process. The results were:
Total Paying Parcels in LMD = 678
Total that voted = 249
Total YES Votes = 210
Total NO Votes = 39
Percent Yes Votes = 84%

Weighted Votes
YES = 79,155
NO = 8,581
Percent YES Votes = 90%

Percent YES Votes of Total LMD membership = 37%

NEXT STEPS:

STEP 9 - 31 March 2026 Board of County Commissioners (BoCC) adopts Ordinance creating LMD (RCW 36.61.100)

STEP 10 – 9 April 2026 County publishes a notice of LMD Establishment in local paper of record (RCW 36.61.100)

– 9 & 16 April 2026 County publishes a notice of Public Hearing for Rolls & Rates in local paper of record

- 9 April LMD SC Mails a Notice of Objection Public Hearing to all property owners (RCW 36.61.140)

STEP 11 – 28 April 2026 BoCC holds a Public Hearing for anyone that wants to object to the Rolls & Rates (Assessment) (RCW 36.61.140)

STEP 12 – 28 April 2026 or soon thereafter as the BoCC desires Approve/Disapprove/Amend the Resolution Confirming the Roll of Assessments and send it to the County Treasurer for implementation on the 2027 Property Taxes. (RCW 36.61.130)

Shallow Water Signs – Three 10'x3" galvanized posts were secured at no cost to the LMD. In May or June volunteers will go out and attempt to drive these posts into the lakebed on the shallow end of the lake. If successful we will then move forward with purchasing the "DANGER SHALLOW WATER" signs to install on those posts at cost of approximately \$60. This item was previously approved for purchase at our 17 October 2024 LMD Meeting.

8:30 PM New Business –

Public Boat Launch Signage –The Final DRAFT of the sign was shown. It has been vetted with WDFW, County Sheriff, and County Parks. County Parks approved of the signage. WDFW approved but is working to obtain a Cultural Resource Permit. The sign will not be purchased until that is obtained. Issac Smith obtained two quotes – One from Fife Signs and one from Signarama. Fife Signs cost was \$861.54 including tax if we purchased two signs. \$930.35 if only one was purchased. Signarama cost \$1,199.77. LLCC BOD wants to purchase a sign from FIFE Signs at \$861.54. LLCC provided the lumber to build the sign frame for the Public Boat Launch to include posts. Other HOAs will be contacted to determine if they would also like to purchase a sign. SC members on those respective HOA Boards should provide information to those HOA's.

MOTION: SC Member Steven Slater moved to approve the purchase of the sign from FIFE signs at a cost of \$861.54. SC Member Ken Stewart seconded. The motion passed unanimously.

MOTION: SC Member Jim Biehl moved to approve \$50 for purchase of concrete/screws/bolts to erect sign. SC Member Steven Slater seconded. The motion passed unanimously.

NEXT STEPS:

1. Obtain Cultural Review Permit approval through WDFW
2. See if any other HOAs wish to purchase a sign – need to know by 15 April 2026.
3. Isaac Smith to Coordinate with FIFE Signs to break up invoices so each entity gets their own invoice
4. Approve design of signs provided by FIFE Signs
5. Erect Signpost/Frame
6. Receive sign and attach to frame

2026 LMD Submerged Weed Treatment Plan – APAM Treatment Notice Card will be mailed to all shoreline residents on 31 March. Three applications of Sonar One will be conducted beginning middle of April, middle of May and middle of June to target Curly Pondweed and other invasive aquatic vegetation in the areas of treatment. Signs will be posted on day of treatment. Residents are responsible for picking up and disposing of signs 72 hours after treatment (NOT BEFORE).

2026 Yellow Flag Iris (YFI) Treatment Plan – Treatment will occur either on 12-13 May or 19-20 May. Treatment signs will be posted on all impacted properties. Property owners are responsible for picking up and properly discarding signs 72 hours after treatment. All permission letters were received and turned into Thurston County Noxious Weed Manager.

2026 Fragrant Water Lily (FWL) Treatment Plan – No Change. Dependent on survey results in July 2026. Our contractor from 2025 recommended treating the water shield around the lake as it is expanding and could become a control problem. Survey committee will consider this and report back to full Steering Committee in July 2026.

2026 Meeting/Survey Schedule – The schedule for 2026 was reviewed.

LMD Meetings – All meetings are scheduled for Thursdays from 6:30-8:30 p.m. In Person meetings are at Lake Lawrence Lower Lodge. Virtual meetings are via “TEAMS” with link posted on website: Next meetings –14 May (In Person); 16 July (Virtual); 15 October (In Person).

CMP Meetings – Thursdays from 6:30-8:30 p.m. In Person Meetings are at Lake Lawrence Lower Lodge. Virtual meetings are via “TEAMS” with link posted on website: Mtg #4 16 April (Virtual); Mtg #5 11 June (Virtual). Discussion about having 16 April meeting Virtual instead of In Person – will discuss further with contractor and with SC at March LMD Meeting.

Lake Surveys – Tuesdays from 9-12 a.m. Meet at Barry’s house on canal: 14 April, 12 May, 9 June, 7 July, and 18 August.

Funding For Lake Lawrence (Grants & Other) – A new GRANT opportunity has been identified with a short suspense (14 April). Will attend Webinar 26 March to gather additional information and then work with SC Co-Chair on best way forward. This is a multi-year grant opportunity. I have received authorization from County to access the Secure Access Website (SAW) for WA State and working with County EH personnel to do that and to access WA State Department of Ecology site to input grant information for Phosphorus Mgmt. Grant that is due in November 2026. This is a \$60k grant opportunity. Following our last meeting drafted and received feedback on a letter to go out to our membership asking for their support to organize a Non-Profit organization that could potentially generate funds for the lake.

MOTION: SC Member Terry Steward moved to approve the letter. SC Member Janice Leitzke seconded. The motion passed unanimously.

Annual Meeting – 6:30-8:30 p.m. Thursday, 24 September 2026. Thurston County Hydrologist, Kevin Hansen has agreed to provide a presentation to the LMD. No one had any additional talking points for Kevin Hansen. Will forward request to Kevin with the talking points discussed at the February meeting.

Lake Level/Temps – Frank Hudik provided updated information showing surface water temperature is around 46 degrees as of March 15, 2026. Water level rose quickly beginning in January with water pouring over the outflow 3 January 2026 and still flowing out and reaching some of the highest levels experienced since prior to 2019. Currently at 3.02. Dam level is 2.4. Many thanks to Taylor Fossum for taking the readings and recording them while Frank was in Arizona.

Yellow Flag Iris (YFI) Floating Islands – Frank Hudik provided backup slides for the Floating Island issue. There has been no movement on the floating mat issue with WDFW or Department of Natural Resources.

8:45 PM Good of the Order –

Trout Plantings:

- 5 Feb 26 – 90 Trout
- 12 Feb 26 – 236 Trout
- 18 Feb 26 – 250 Trout
- 24 Feb 26 – 20,000 Trout

HOA’s are scheduling their annual meetings.

- Scenic Shores Annual Meeting – April 11 from 11 a.m. to 1 p.m. Moose Lodge, Yelm, WA
- Wildaire – Still awaiting date/time/location.
- LLCC – June 20

7th Annual VFW Fishing Derby 8 a.m. – 28 March – Lake Lawrence Public Boat Launch. Register on-line at <https://www.zeffy.com/en-US/ticketing/7th-annual-fishing-derby> or in-person day of event.

Pet Waste Stations. Coordinated with Thurston County Education and Outreach Specialist II / Stream Team Coordinator to obtain pet waste stations for HOA Community Parks and the County Park Trail Head. LLCC has ordered several for their community. Other HOAs have not responded to emails. Coordination with Thurston County Parks has been completed. We will pick up a waste station to set up at County Park Trail Head.

Seminars/Webinars. Barry has been attending numerous HAB Seminars/Webinars (24 Feb 26, 16, 18, 23, and 25 March 26). Information from this was discussed with those present at the meeting. Details/links can be found in the presentation packet slides 87-88.

8:54 PM Adjourn – With no further business, the meeting was adjourned at 8:28 pm.

Attachments:

1 – 2026 Financial Report and Details thru 18 March 2026 – See meeting presentation slides for additional information.

Prepared by Barry Halverson

Barry Halverson, Co-Chair