

Lake Lawrence Lake Management District Steering Committee

15735 Topaz Dr. SE
Yelm, WA 98597



1. **6:25 PM Call to Order** – Co-Chair Barry Halverson called the LLLMD Meeting on October 15, 2026, to order at 6:25 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, Kim Nelson, Steven Slater, and John Carpenter. A quorum was present, so the meeting continued.

SC Members Absent: Isaac Smith and Stephen Slater

Members Present: Kathy Boyajian and Rick Nemes

County/State Staff: None

2. **6:28 PM Approval of Agenda** – **MOTION: SC Member Janice Leitzke moved to approve the agenda. SC Member Jim Biehl seconded. The motion passed unanimously.**
3. **6:30 PM Approval of July 16, 2026, Meeting Minutes** – **MOTION: SC Member Ken Stewart moved to approve the July 16, 2026, meeting minutes. SC Member John Carpenter 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 – NOTE: Long Lake is currently working on a 5-year \$1.2 Million Phosphorus Mitigation RFP for continued maintenance of their phosphorus in their lake. Over the past 5 years they have spent \$1.5 Million on Alum and EutroSORB G treatments. We have just completed selection of a contractor to conduct initial phosphorus treatment for 5 years for \$700,000 using Zero Valent Iron (ZVI).

Janice Leitzke – Provided an update of the 2026 Financial Report and Financial Details through 10 October 2026, see attached. All Grant Funds have been received, and our 2025-2026 Phosphorus Study Grant is concluded. Janice went over the expenditures since July and noted that we are well under budget for the year and will be moving substantial funds forward to 2027 as we did not do phosphorus treatment in 2026. All that money has been moved forward into 2027. Our ending fund balance for 2026 will be \$461,000.

Work Orders/Invoices were detailed:

Work Orders/Invoices from the July 2026 meeting were discussed and noted that the estimate for notice in the paper for the RFP budgeted for \$300 but cost only \$50.05.

Annual Meeting expenses were budgeted for \$500, but actual expenses were only \$210.20. Loma had returned several items that were not used for the annual meeting, reducing overall costs.

Office Supplies were budgeted for \$125 but were only \$69.79.

Website Technology was budgeted for \$400 but will exceed that amount.

Barry explained that the budget was set based on costs to establish the website in 2023, however WIX.Com had given the LMD a 50% discount for being a new user. WIX told us about the cost for the next three years would be \$740.77. Barry will try and get another reduction, but there are no guarantees.

Barry explained that the cost for the domain name for the next three years had also increased from \$64.05 to \$101.43.

Microsoft Business Standard Software and Goggle Play extra storage have been paid by Barry for the past three years with the understanding that should the LMD be renewed in 2026 the LMD would pay those costs moving forward. Those annual costs are \$172.46 and \$21.89, respectively. They are necessary to operate the LMD Email and Website.

Rental of Lower Lodge was budgeted at \$60. LLCC HOA will be sending the LMD an invoice for that amount.

MOTION: SC Member Kim Nelson moved to approve \$1,300 to reimburse Barry for associated Annual Meeting, Admin Supplies, Website and Domain Name Costs and \$60 for LLCC HOA Lower Lodge Rental. SC Member Jim Biehl seconded. The motion passed unanimously.

Updated County contracting requirements were reviewed. All jobs less than \$10,000 require a work order (WO) approved by the Environmental Health Division Manager, Season Long. 2-3 estimates from different contractors are required to be submitted with the WO. Jobs between \$10 and \$50k require a WO with 2-3 estimates and approval of the Director Public Health and Social Services (Dr. Freiheit). Jobs over \$50k require BoCC approval. Barry offered that this process is fairly routine and two WO's for under \$10k have been processed in the past two weeks with no issues for Water Testing and Shipping Samples.

Lake Surface Temps/Water Levels – Surface water Temperatures reached a high of 79 degrees this year (23 June 2026). Water level remains high. Water stopped spilling over dam on outflow creek around 14 June. Record 6+ months of steady overflow keeping the lake at its highest level in years.

Floating Island Issue – No further updates on floating island issue.

Senate Bill S-5638 – 10 Aug 26 Barry met with the Washington Lakes Protective Association (WALPA) to work on refining the bill. Barry met with Representatives Doglio, and Orcutt to discuss the bill and gain their support for it. He has upcoming meetings with Representatives Abbarno and Marshall, and Senators Goehner, Torres, and McCune. The bill was discussed at the WALPA conference during the week of 5 October and will be discussed with Karen Epps, Legislative bill writer, and Senator Lovelett on 22 October. Barry expects that more presentations to Representatives and Senators will happen between 4 November and January following the election cycle. All LMD Steering Committee and Non-Profit Association Board Members, and leaders from the other LMDs in the State are sent TEAMS meeting invitations to attend these sessions.

6. 6:50 PM Old Business

2027-2028 Budget & Work Plan – This budget and work plan was approved by the SC on 17 July. The budget and work plan was submitted to County Environmental Health (EH) following that meeting, has been approved by EH and included in the Public Health and Social Services (PHSS) budget that will be submitted to the Board of County Commissioners for approval in November/December 2026.

Oxygenation Saturation System (OST) and Nanobubble Technology (NT) Review/Update

SC continued to work on answering/researching concerns related to this technology and updates will be provided at LMD SC meetings. The most recent concern was the requirement identified during final design of the Spanaway Lake LMD OST system where they were informed a septic system would need to be installed to divert the 1-2 gallons an hour of condensation coming from the equipment. This requirement originated from WAC 173-240-020(8) that requires industrial/processed wastewater to managed either by a sewer system or a permit for State Waste Discharge Permit from Ecology. When the OST is installed next year at Spanaway Barry intends to get samples of the condensation and have it tested for contamination. If no contamination is found a discharge permit from Ecology will be sought vs. installing a septic system.

Since the July LMD SC meeting Barry has been seeking information on new and evolving technologies. One that popped up was Nanobubble Technology (NT) by Moleaer. Barry has talked with the Moleaer representative. Barry is also planning a trip to Southern California to get a briefing and up-close look at the test system Moleaer has installed at Lake Elsinore.

Barry has been in contact with the project manager regarding this location and will have a virtual meeting with him on 19 October to discuss it. A TEAMS meeting invitation was sent to all SC members, Non-Profit Association Board Members and Pattison Lake. Updates will be provided at LMD SC meetings.

Testing Equipment & Ancillary Items - \$13,589.25 worth of test equipment was purchased in the past three months by private donations to conduct monthly water quality testing beginning October 2026. No LMD funds were used to purchase this equipment. Curt Cleaveland has volunteered to lead this effort. Additional test equipment was considered but not recommended for purchase as it was approximately \$5k and provided only a small percentage better results than equipment already purchased. The Water Quality Monitoring Team will utilize the test equipment purchased for next year and reassess our needs prior to our next annual meeting.

Water Sample Shipping Costs - Estimates from four shippers (FEDEX, USPS, and UPS) were obtained, compared, and researched. A WO #17402026091006 for a 5-year duration for \$9k was submitted to and approved by EH on 22 September 2026.

ZVI water testing requirements - Estimates from four labs (Water Mgmt. Lab Inc., AM Test Inc., Tshimakain Creek Lab, and ALS Environmental) were obtained for the 5 analyte tests we expected to conduct in the next five years. The cost estimates along with research on the various labs were done and AM Test Inc. was selected. A WO #17402026090305 for a 5-year duration for \$9k was submitted to and approved by EH on 22 September 2026.

MOTION: SC Member Kim Nelson moved to approve Shipping and Analyte testing costs of \$18,000 for 2026-2031. SC Member Terry Stewart seconded. The motion passed unanimously.

FY 2027 (1 Oct 27 – 30 Sep 28) Toxic Algae Report/Update – Our first bloom of this FY occurred on 22 Sep. It is a Microcystin Bloom of 43.7 ug/L and as of this meeting was still in effect. On 14 October test results showed the bloom had increased in intensity to 417 ug/L.

Funding For Lake Lawrence (Grants & Other) –

GRANTS: The initial historical record for the Ecology Grant Fund for FY 2028 was completed by Kim Farnes. Barry will add the technical data, and Kim will input the information into the Secure Access Washington (SAW) Ecology Grant Website. For this FY, the grant window closes on 17 December 2026. The maximum amount of the grant will be no more than \$50k and will be effective 1 July 2027. We expect to get the grant application completed and submitted by 15 Nov 26.

Non-Profit Association: The board for the non-profit has been formed and officers selected. They are currently working on their charter, establishing an account, EIN, and other essential details. They are looking for two additional members. If anyone is interested, please contact Rick Nemes at Richard Nemes rnemes@juno.com.

Annual Meeting After Action Review – Meeting was held at 6:30-8:30 p.m. Thursday, 24 September 2026. 54 members/guests were present.

Set Up – Good. Lighting was bad – difficult to see signage/information for displays and volunteer signup rosters.

Guest Speaker – Excellent. Highly informative and interesting. We would like to have him back. Information was specific to Lake Lawrence. Sound was not good so recording the presentation for a YouTube upload was not possible.

Sequence of Presentations/Format – Everyone agreed that the sequencing was good. There was substantial discussion about putting the guest speaker up front followed by the Lake Report and General Business meeting. Some thought essential information from the General Business meeting should be included at the end of the Lake Report and the General Business meeting could be discarded. Many members left after the guest speaker presentation. LMD SC will

consider a different format for the 2027 annual meeting. Other suggestions were to have the meeting be both in person and virtual. Everyone thought the displays of test equipment and other items were a hit and should be repeated in future years. Only two people signed up on the seven volunteer sign up sheets.

Food & Beverages – Loma provided some notes for the LMD SC. Fruit went over well, but too much. Only purchase one Cantaloupe, one Pineapple, one carton of grapes (green grapes were favored), Do not purchase DOT Pretzels, but instead peanuts or walnuts. Do not purchase a cake – too much left over and cost too much. Do not purchase Hawaiian Punch. Favorite desserts were Apple Pastry, Carmel Apple Bites, and the Variety Pack of Desert Bars. Coffee – make no more than 40 cups. Need only one pint of half-and-half instead of one quart. Only one case of water is needed.

Cleanup – Okay but need designated personnel.

Cost - \$285 was spent. Items not used (hot & cold Cups, Hawaiian punch, etc.) was returned for a refund. Only \$210.20 is requested for reimbursement.

Phosphorus Management Plan & Contract –

Phosphorus RFP – Contractor selected 22 Sep 26 (NW Aquatic). Negotiations with contractor completed 15 October 2026. Contract submitted to EH. Now going through County Contracting, Risk, Legal. Will be presented to BoCC 24 November for approval. Contract will be signed shortly after. Between now and then the LMD SC Survey/Treatment Committee will meet with the contractor to iron out 2027 treatment plan.

The RFP will be reviewed and approved by the Board of County Commissioners on 21 July 2026. Next steps are to publish the RFP notice in the local paper, receive bids over the next 6 weeks, review the bids. SC members Kim Nelson and Janice Leitzke agreed to be on the committee to review the bids. One more person is being requested. Once bids are reviewed and evaluated the county will review the process to ensure it meets legal standards and the SC will select a contractor.

7. 7:45 PM New Business

2027 LMD Submerged Weed Treatment Plan – Our budget for 2027 is \$70k. 18 August 2026 Survey Team conducted final survey of the year and assessed the end of year aquatic vegetation. No Curly Pondweed was found in areas treated. Curly was found in the conservation areas and Canal that were not treated. On 13 October AquaTechnex provided a cost estimate of \$46,612 to treat 35 acres with AquaThol K. This is \$1,332 per acre. As a comparison we last treated with AquaThol in 2022 at a cost of \$1,325 per acre. Costs will be confirmed with contractor prior to treatment. Expect treatment end of May to mid-June 2027 depending on survey results in April and May 2027. Areas and total acres to be treated will be dependent on survey results. We have targeted Curly Pondweed for the past three years (Galleon SC in 2024 and Sonar in 2025 and 2026). Based on August 2026 end of year survey results and identifying no curly pondweed in areas treated we will shift our focus in 2027 to big leaf, white stem big leaf, floating leaf, and Elodea in areas that have exploded with these aquatic plants in the past four years because they were not treated. Galleon SC and Sonar does nothing to curb growth of this type of plants which is why we will be using AquaThol. As with anything – things can change with early spring surveys, but this is the direction we are looking at this time.

MOTION: SC Member Janice Leitzke moved to approve expenditure of up to \$50k for aquatic weed control in 2027. SC Member Jim Biehl seconded. The motion passed unanimously.

2027 Yellow Flag Iris (YFI) Treatment Plan – October 2026 Thurston County Noxious Weed confirmed YFI treatment for 2027 with a cost of \$1,500 being charged to the LMD. Permission letters were signed last year for a 5-year period.

MOTION: SC Member Kim Nelson moved to approve \$1,500 for YFI treatment in 2027. SC Member Steven Slater seconded. The motion passed unanimously.

2027 Fragrant Water Lily (FWL) Treatment Plan – Based on the August 2026 end of year survey Fragrant Water Lily (FWL) will need to be treated in 2027. \$4,500 has been budgeted to do this, but more may need to be used. We will have additional funds left over from aquatic weed treatment so we can, if necessary, increase this amount. Contractors (both AquaTechnex and NW Aquatic) will be contacted and asked to provide a cost estimate to treat all FWL and some isolated heavy density areas of Water shield on the lake by 15 July 2026. Following the July lake survey the LMD SC will decide on which contractor to use and how much to allocate for this treatment.

2027 Phosphorus Treatment Plan - \$350k budgeted for 2027. Five-year contract awarded 22 Sep 26 to NW Aquatic. LMD SC Survey/Treatment Team will work with NW Aquatic over the next four weeks to determine how to approach the treatment in 2027. Conducting the Phase I Phosphorus Survey in Feb/Mar is not practical given the water temperatures prevalent during this time frame (43-47 degrees Fahrenheit with groundward temperatures being 41-50). February/March isn't a good time. We are looking to move the thermal survey (Phase I) to summertime where there is a wider temperature variation between the lake and ground water and possibly even having the County perform this testing with a drone that was mentioned by Kevin Hansen at our Annual meeting.

ZVI Product Costs - Estimated Costs for ZVI were obtained from Hepure just to determine the scope of what may be needed. Final costs will be determined once bids are received for the RFP that is expected to be released next week. Product comes in 50 lb. paper sacks of 50 lb. plastic pails. Pails are \$0.07 a lb. more but can be stored for a long time. Product is shipped on pallets of 2,000 lbs. on a Semi-Truck that can carry 40,000 lbs. Doesn't mean you need to ship all 40,000 lbs. However, your costs for shipping 20,000 vs. 40,000 are not much different so it would make sense to ship the full 40,000 lbs. and store the rest for the next application saving shipping/handling costs. A 5k Telescoping Telehandler forklift is required to offload the semi-truck. Pallets of products can be stored behind the LLCC Maintenance shed until needed. A forklift costs:

Equipment Share (Tacoma) - \$1900-2000 including tax.

Sunbelt Rentals (Lacey) - \$2228-2300 including tax.

Phosphorus Management Strategic Goals & Objectives:

Goals:

Prevent Toxic Algae Blooms

Improve Dissolved Oxygen Levels at deeper depths.

Objectives:

Target Advisory Frequencies (2027-2031) no more than 1 year out of the five with two or more warning/danger events.

Limit Duration of Advisories (2027-2031) no single warning/danger advisory during that five-year period that lasts 3 weeks or longer.

Target Summer Chlorophyll-a by reducing concentrations to below 7.2 micrograms per liter (ug/L) at 1 meter depth.

Phosphorus & Visibility Targets down to ≤ 24 ug/L (at 1m depth) and secure Secchi Disk visibility at 2.0+ meters. These metrics will be reported out at every LMD SC Meeting on a Score Card

Storm Drain System Locations:

Six storm drain systems were identified during the Cyanobacteria Management Plan (CMP) Study that showed storm water flowing into the lake with high levels of Soluble Reactive Phosphorus (SRP). Those storm drain systems have been identified by the LMD SC, numbered and communicated to the two HOA's that have 5 of these systems. A plan is being

developed to mitigate the SRP coming through these systems. Another is located at the WDFW Boat Launch and requests for access/assistance will be put forth to mitigate SRP release through this storm drain.

2027 Meeting/Survey/Water Quality Monitoring Team Schedule – The schedule for 2027 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:

Meetings: 18 February 2027 (Virtual), 18 March 2027 (Virtual), 13 May 2027 (In Person), 15 July 2027 (Virtual), and 14 October 2027 (In Person)

Lake Surveys – Tuesdays from 9-12 a.m. Meet at Barry’s house on canal. Copies of the survey and details can be found on our website.

Surveys: 13 April 2027, 11 May 2027, 8 June 2027, 13 July 2027, and 17 August 2027

Water Quality Monitoring Team – Tuesdays – Additional dates may be added due to timing of phosphorus treatments.

On days when lake surveys are scheduled water quality monitoring will be done the same day/same boat – 12 Jan, 9 Feb, 9 Mar, 13 Apr, 11 May, 8 June, 13 Jul, 17 Aug, 12 Oct, 9 Nov, and 7 Dec.

Annual Meeting – LLCC Lower Lodge, Thursday, 23 September 2027

MOTION: SC Member Kim Nelson moved to approve the 2027 meeting schedule. SC Member Ken Stewart seconded. The motion passed unanimously.

2025-2026 LMD Annual Lake Report – Draft submitted to LMD SC 1 September for review/comment. Set out at Annual Meeting on 24 September for members to see and discuss at meeting. The report was signed and submitted to EH on 16 October 2026.

MOTION: SC Member Kim Nelson moved to approve the 2025-2026 LMD Annual Lake Report. SC Member Terry Stewart seconded. The motion passed unanimously.

Geese Mitigation – Our CMP documented the need to control resident waterfowl feces from entering our lake. We have taken this action twice over the past four years with favorable results. Only the US Department of Agriculture can contract for this service, and requests must be submitted early. This mitigation only occurs between mid-May and June when geese are molting and cannot fly. Steven Slater has organized this effort in the past and was requested to do so for 2027. The cost in the past has been approximately \$2,200. With inflation we are requesting an authorization for an expenditure of up to \$2,400.

MOTION: SC Member John Carpenter moved to allocate up to \$2,400 for this effort in 2027. SC Member Ken Stewart seconded. The motion passed unanimously.

8. 8:35 PM Good of the Order –

There have been numerous work and information presentations to County Commissioners, WA State Legislators, and others since July and many more to come over the next several months. Details are included in the presentation slides.

9. 8:48 PM Adjourn – With no further business, the meeting was adjourned at 8:20 pm.

Attachments:

1 – 2026 Financial Report and Details thru 10 October 2026 – See meeting presentation slides for additional information.

Prepared by Barry Halverson, Co-Chair
