



Lake Lawrence
Lake Management District
Meeting
17 October 2024
6:30-8:30 p.m.

AGENDA for 17 October 2024 LMD Meeting

- **Call to Order**
 - Introductions
 - Approval of Agenda
- Approval of July 18, 2024 Meeting Minutes
- **Public Communications**
- **Recurring/Continued Business:**
 - Current/Proposed Budget
 - Current/Proposed Work Orders/Purchases/Invoices
- **Old Business:**
 - Lake Water Level & Floating Island Issue – Frank
 - Senate Bill S-3518.1 discussions with DFW – Barry
 - Cyanobacteria Mgmt. Plan (CMP) – Barry
 - 2024 LMD Aquatic Weed Treatment Results – Barry
 - 2024 Fragrant Water Lily Treatment Results - Barry
 - 2024 Weed Harvest Results – Barry
 - TC LMD SOP – Barry
- LMD Renewal 2027 Subcommittee Progress – Barry
- Action Item Status – Barry
- **New Business:**
 - August Survey Results – Barry
 - 2025 LMD Invasive/Nuisance Aquatic Weed/FWL/YFI Treatment Plan – Barry
 - 2025 Weed Harvest Plan - Barry
 - 2023-2024 State of the Lake Report – Discussion/Approval
 - Budget Decisions – Discussion/Approval
 - Annual Meeting/BBQ After Action Review
 - Set 2025 LMD/CMP/Survey dates – Discussion/Approval
- **Other Business:**
 - Good of the Order
- **Adjourn**

Call to Order

- Introductions/Roll Call/Attendance
- Approval of Agenda
 - MOTION:
- Approval of 18 July 2024 Meeting Minutes
 - MOTION:

Public Communications

- Please mute yourself until you are recognized to speak.
- Please Choose the “raise your hand” option to address the committee. You will be promoted to a panelist when it is your turn to speak and be seen. To be seen, please turn on your camera. If you are dialing in, press *9 to “raise your hand.” Make sure you also choose *6 to unmute yourself.
- After you have made your comments please mute yourself.

Recurring/Continued Business

- Budget – Janice Leitzke
 - Current Budget Recap/Work Orders/Purchases/Invoices (next slide)

Lake Lawrence Management District

Financial Report

		2024 Budget	2024 Actuals 9/30/2024	2024 Variance
REVENUE				
	Penalties - Operating Assessment	-	41	41
	Investment Earnings	-	5,173	5,173
	Other Interest - Operating Assess.	-	223	223
	Operating Assessment Charges	115,040	76,674	(38,366)
	Miscellaneous	-	2,544	2,544
	O/T - General Fund	6,100	-	(6,100)
	Algae Grant	-	-	-
	TOTAL REVENUE	121,140	84,655	(36,485)
EXPENSES				
	Interfund Costs	-	2,967	2,967
	Payroll Costs	-	1,701	1,701
	Administrative Rate at 5%	5,752		5,752
	Nuisance Weed Program	70,000	50,384	19,616
	Algae Mitigation	195,000	-	195,000
	Cyanobacteria Mgmt Plan (CMP)	105,000	13,686	91,314
	Yellow Flag Iris	1,500	1,500	-
	Lily Treatment	2,500	2,708	(208)
	Prof Svcs - Advertising	600	404	196
	Total Professional Services	374,600	68,681	305,919
	Supplies	3,800	153	3,647
	Annual Meeting and Picnic	1,200		1,200
	Small Tools & Minor Equip	5,650		5,650
	Communications (Mailers)	600	823	(223)
	Operating Leases/Rentals (LLCC)	150		150
	Website & admin technology		435	
	Misc.	3,450	166	3,284
	Total Supplies & Operating Expenses	14,850	1,578	13,707
	TOTAL EXPENSES	389,450	74,928	324,295
	NET (Revenue-Expenses)	(268,310)	9,728	287,810
	Beginning Fund Balance	359,457	359,457	
	Ending Fund Balance	91,147	369,184	

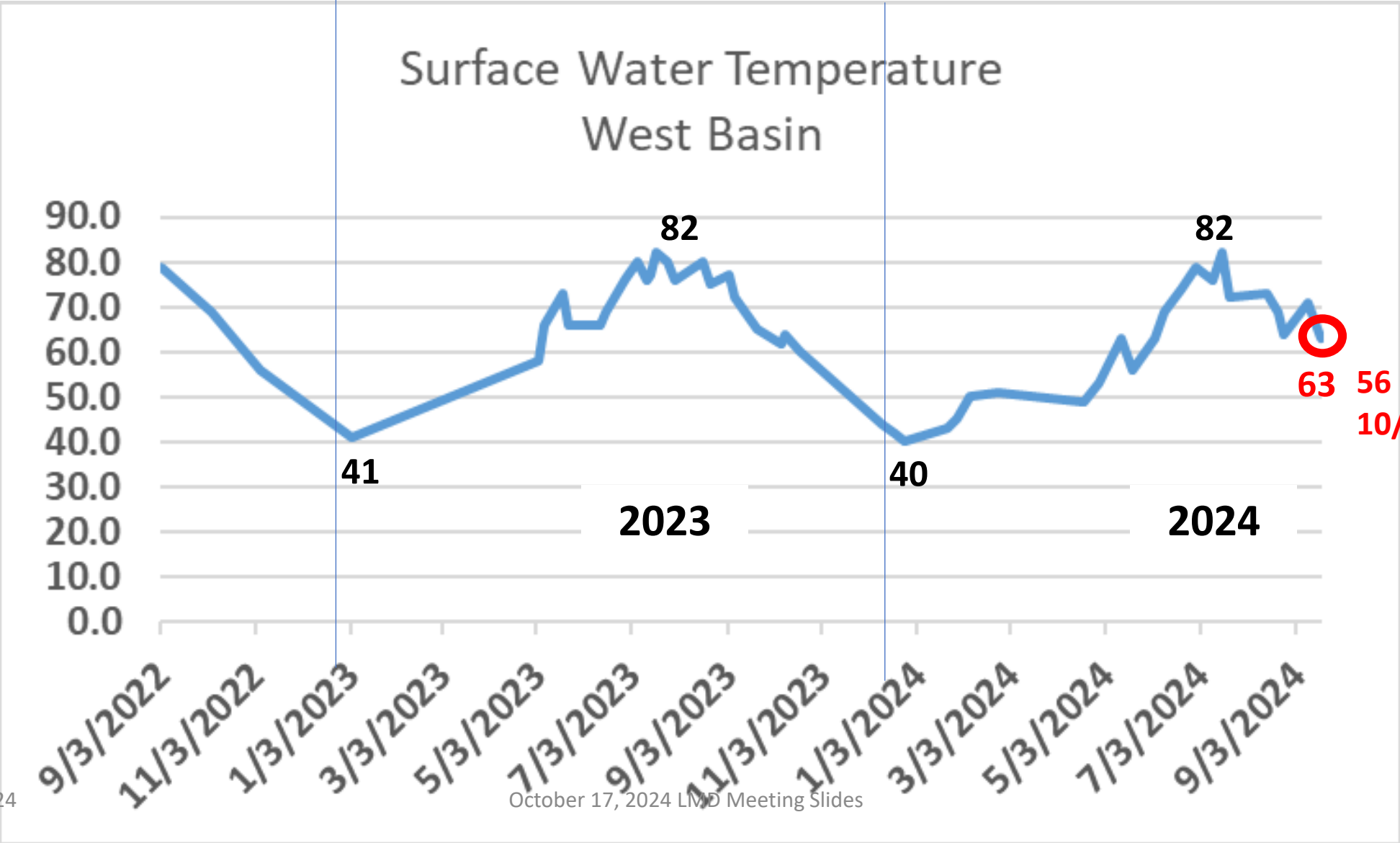
10/5/2024

Lake Lawrence Management District
Details of Financial Report

Date	Amount	Account	Payee	Notes
2/28/2024	\$ 986.13	Interfund Costs	Thurston County	Per Thurston Co Muni report part of Interfund reimbursement in revenue
12/19/2023	\$ 40.50	Supplies	Barry Halverson	Copy paper
12/19/2023	\$ 54.74	Supplies	Barry Halverson	Priner Ink Pack
12/14/2023	\$ 39.60	Supplies	Barry Halverson	Stamps
12/18/2023	\$ 18.56	Supplies	Barry Halverson	Stamp and Ink pads
1/15/2024	\$ 426.66	Mailers	Minuteman Press	4.25x5.5 YFI Postcard Notification
12/14/2023	\$ 143.52	Prof Services Advertising	The Olympian	Thurston Co RFP newspaper ad for Aquatic Weed treatment, 50% of 287.04
12/14/2023	\$ 143.52	Prof Services Advertising	The Olympian	50% of Olympian ad incorrectly charged to Lake Lawrence
12/20/2023	\$ 369.70	Website	Barry Halverson	Website 3 yrs
12/20/2023	\$ 65.29	Website		Domain Name
12/14/2023	\$ 166.00	Misc.	Barry Halverson	Post Office Box 1 yr rental
4/1/2024	\$ 260.22	Prof Sevices Advertising	Unknown	Possibly Herrera RFP for CMP Study
4/30/2024	\$ 990.82	Interfund Costs	Thurston County	Calculated Mar-Apr IF costs
5/8/2024	\$ 196.65	Mailers	Nisqually Post & Print	173 5.5x8.5 Postcards and postage For YFI treatment notices NPNP974
5/31/2024	\$ 495.41	Interfund Costs	Thurston County	Per Thurston Co Muni report part of Interfund reimbursement in revenue
5/31/2024	\$ 1,018.40	Salaries	Thurston County	Salaries/Benefits on Muni report. To be part of Admin fee at year end
6/1/2024	\$ 682.95	Salaries		
6/1/2024	\$ 495.41	Interfund Costs		
6/17/2024	\$ 1,500.00	Professional Fees	NW Aquatic/Thurston Co	\$3500 invoice LL is responsible for \$1500
6/19/2024	\$ 1,770.00	Professional Fees	AquaTechnex	BioBase Mapping Survey Inv#17646/174020240501
6/27/2024	\$ 200.06	Mailers	Nisqually Post & Print	176 5.5x8.5 Postcards and postage for Curly Pond Weed #NPNP1363
8/13/2024	\$ 2,751.41	CMP Study	Herrera #55942R	C-3 Stakeholder Engagement
8/13/2024	\$ 6,231.42	CMP Study	Herrera #56942R	C-1 QAPP and Monitoring
8/28/2024	\$ 28,614	Nuisance Weed Program	AquaTechnex	#18049 Treatment for Curly Leaf with Galleon
9/9/2024	\$ 20,000.00	Nuisance Weed Program	NW Aquatic Management	15.6 acres mechanically harvested
9/20/2024	\$ 2,707.50	Lily Treatment	AquaTechnex	#18395, White Water Lily treatment with Clearcast herbicide
9/24/2024	\$ 4,234.52	CMP Study	Herrera #57281	C-1 QAPP and Monitoring, Labor \$4,012.38, Mileage \$162.14, GPS unit \$60
9/24/2024	\$ 468.43	CMP Study	Herrera #57281	D-3, Labor \$468.43, Team Kickoff, invoicing and progress reports
	\$ 75,071.37	Total of above		
	\$ (143.52)	Less Red disputed items		
	\$ 74,927.85	Total per LLMD Financial report. Total of above less incorrect/unexplained red font items		
	\$ 143.52	Add back Red disputed items recorded by County		
	\$ (67,928.33)	Less items submitted but not confirmed by Thurston County		
	\$ -			
	\$ 7,143.04	Total per June Muni, total of above less unpaid LLMD items		

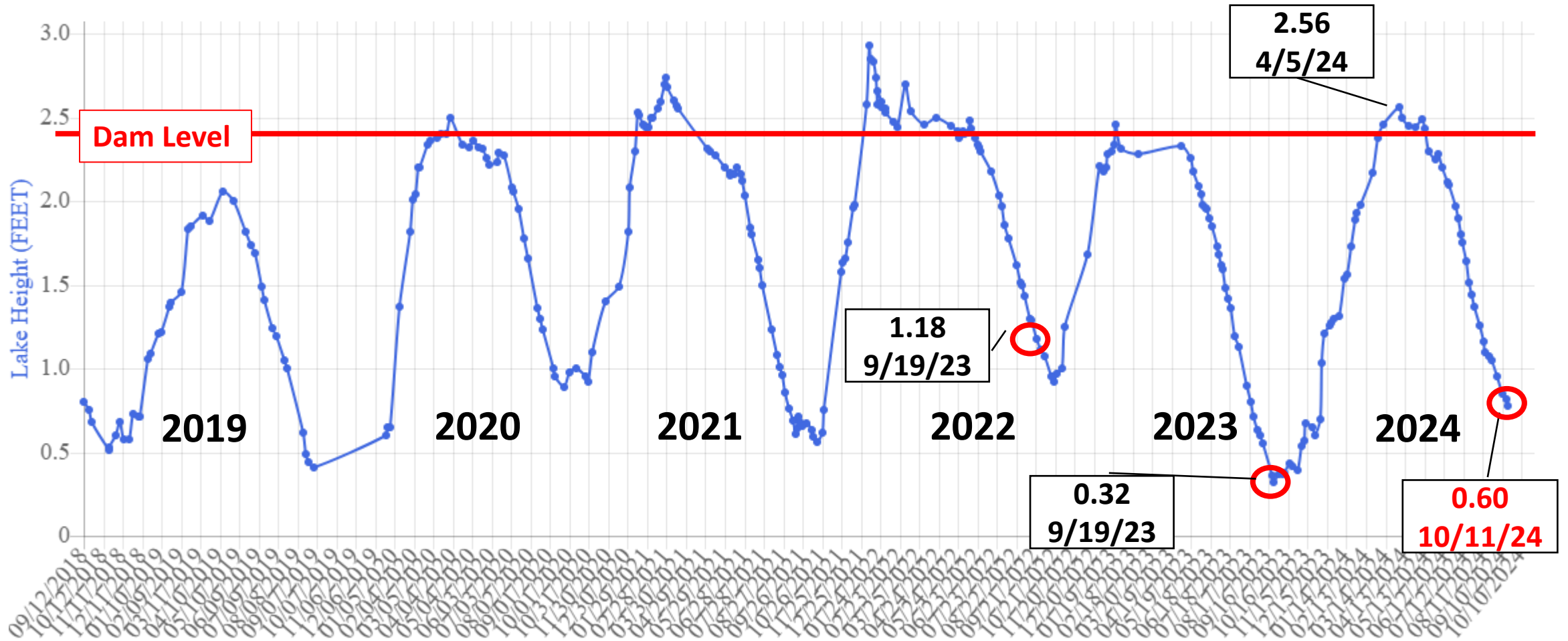
OLD BUSINESS

Lawrence Lake Surface Water Temperatures (F) (West Basin Shoreline)



Lawrence Lake Water Surface Level

ref: <https://liquidearthlake.website/gauge/scaleddetailsall/47>



Backup Slides: Floating Mats

Floating Mat Issue: history/update

- 2022-2023 Numerous communications LMD/T-County/WA DNR/WA FW
- Oct 23 Site survey by boat: LMD/FW/DNR
- Dec 23 DRAFT Presentation vetted through Lawrence Lake LMD Steering Committee
- Dec 23 Presentation sent to State Representative Abbarno's Office
- 26 January 2024 Presentation to Rep Abbarno, FW/DNR
- April 24 Lawrence Lake's State Voting District change: Reps Wilcox, Barkis; Sen McCune
- 4 April 24 New floating mat discovered, towed and secured in protected cove (picture)
- 13 May 24 LMD Floating Mat Presentation to Rep Wilcox
 - Staff directed to contact State DNR leadership for follow-up action
- 1 July 24 Presentation to WA State Agencies: DNR, Ecology, Fish and Wildlife
 - **Invited, did not attend WA DNR**
 - State Constitution: DNR has Jurisdictional Authority for lake bottom
 - Action assigned: LMD pursues a grant request to study/recommend a set of solutions

Floating Mat Issue: status **update**

- **1 July 24 Presentation to WA State Agencies: DNR, Ecology, Fish and Wildlife**
 - Invited, did not attend WA DNR
 - State Constitution: DNR has Jurisdictional Authority for lake bottom
 - Action assigned: LMD pursues a grant request to study/recommend a set of solutions
- **3 Sept 24 Rep Wilcox staff meeting with State Agency representatives (FW, DNR, ECY) and House Republican Caucus (HRC) Capitol Budget Policy Leader**
 1. *Floating island issue caused by lake eutrophication is a “natural succession” that might be altered by human action (e.g., sawmills, non-native vegetation, Deschutes River diversion into lake)*
 2. *RCW 36.61.010 definition of navigable waters is not always clear – lake use is predominantly low-speed canoes and kayaks*
 3. *State Agencies do not intend to take any action to resolve the issue but will assist LMD with permitting process*
 4. **ECY will provide a decision tree for LMD costs, processes (permits)**
 - Recommended actions:
 - ✓ LMD provide a copy of the 1991, 95 dredging reports to Rep Wilcox office
 - LMD consider a meeting with Army Corp of Engineers to discuss dredging option/cost
 - POC to be provided by Wilcox staff
- **LMD consider submitting a Local Community Funding Request to study human effects on natural succession**

State Agencies

Commissioner of Public Lands: Hillary Franz – elected official

FW

Director: Kelly Susewind

Mission

The Washington State Department of Fish and Wildlife's mission is to preserve, protect, and perpetuate fish, wildlife, and ecosystems while providing sustainable fish and wildlife recreational and commercial opportunities. We perform these services on behalf of the public in ways that demonstrate our values.

DNR

Chief of Staff: Carlo Davis

Mission

Manage, sustain, and protect the health and productivity of Washington's lands and waters to meet the needs of present and future generations.

The plan is comprised of four strategic priorities:

1. Make DNR a Great Place to Work and Serve Washington's Lands and Communities
2. **Serve Washingtonians Through Thoughtful Communication, Ongoing Collaboration, and Authentic Engagement**
3. **Invest in Washington's People, Land, and Communities**
4. Protect our Lands and Waters

5. ECY

6. Director: Laura Watson

7. **Mission:** To protect, preserve, and enhance Washington's environment for current and future generations.

Floating Mat Issue: Lawrence Lake



Most Recent Floating Mat: 4-4-2024



Observed Floating Mat Incidents (1 of 2)

Date	Basin	Size	Final Disposition
Winter 2006/07	West	1 Large 10 x 10 x 3'	Manually removed from lake
Winter 2015 – 2016	East	12 Large ~20 x 20 x 5'	Manually removed by Contractor (\$3000+), damaged HOA shoreline
Sep 2019	East	2 Large 10 x 10 x 5'	Towed and sunk
Feb 2020	East	1 Large 15 x 15 x 4'	Removed to cove, staked
Jun 2020	East	1 Large 10 x 15 x 4'	Dispersed or sank in place?
Feb 2021	East	1 Very Large 80 x 40 x 4'	Towed to cove by volunteers. After 4 months, staked.
May 2021	East	2 Medium 10 x 10 x 3'	Sunk in deep water












Observed Floating Mat Incidents (2 of 2)

Date	Basin Found	Size	Final Disposition
Aug 2021	East	2 Small 5 x 10 x 3'	Sank in deep water
Nov 2021	East	1 Large	Released from cove, ropes cut
Jan 2022	East	1 Small 4 x 4'	Removed, relocated
Mar 2022	East	1 Large	Cut up and removed to dump
Jul 2022	East	1 Large	Re-Released from cove, ropes cut
Aug 2022	East West	5 Various	Towed to southern shore and sunk
2023	West ??	2 Small	Sunk in place
Apr 2024	East	1 Medium 10 x 10'	Towed to cove
Summary	Both	15 observations 34 mats*	various

Senate Bill S-3518.1 Update

- 30 May DFW sent us a letter outlining their concerns
- 4 June sent email to WA LMDs to update their contact information
- 6 June sent DFW ltr and other info to WA State LMDs for their input by 14 Jun
- 14 June sent email to WA State LMDs with 2 dates for virtual mtg 19 & 20 Jun
- 19 & 20 June met virtually with WA State LMDs
- 24 June sent email with ltr to DFW addressing their concerns
- 30 Aug WALPA sent email – would like to be involved and support revision of RCW 36.61. Want to work with LMDs on changes. Waiting for date/time to set up mtg to discuss.
- 2 Sep sent email to DFW asking for a response – Responded that they will have an answer by mid-September **NOTHING YET!**

Cyanobacteria Management Plan (CMP) Timeline

-  • Nov 2023 - Grant request submitted
-  • Jan 2024 - Grant approved by Ecology – funding not until July 2024
-  • Feb 8, 2024 – RFP submitted for contractor to do plan.
-  • 8 Mar 2024 – BoCC approved RFPs Clerk of the Board issued Public Notice
-  • Apr/May 2024 – Bids received and evaluated
-  • May/June 2024 – Contract issued (June 18th)
-  • June/July 2024 – Contractor begins study – EH held virtual kickoff meeting with contractors 12 July
-  • 25 July 2024 – Mtg #1 2hr Public Mtg to discuss project objectives & monitoring plan
-  • July 2024 – SC receives 1st Draft of Quality Assurance Project Plan (QAPP) for review (we have 2 wks)
 - 6 Sep 2024 – Rec'd 1st Draft of QAPP for review - Reviewed same day.
 - 9 Oct 2024 – Rec'd Final Draft of QAPP for review – Signature copy going out 11 Oct.
-  • August 2024 – Ecology reviews QAPP – 6 Sep – 8 Oct 24?
-  • Aug/Sep 2024 – Final review of QAPP – 9 Oct 24



G = Green = Completed On Time



Y = Yellow = Late – Program Jeopardized



R = Red = Mission Fail

Cyanobacteria Management Plan (CMP) Timeline (continued)



- 25 Sep 24 – Lake Sediment Sampling (Completed)
- Oct 24-Oct 25 – LMD responsibility. Weekly water level monitoring/reporting (On track)
 - May 2025 – Mtg #2 1 hr. w/SC to discuss monitoring update (Thursday 22 May 2025)?
 - Dec 2025 – Mtg #3 2 hrs. w/SC to discuss Phosphorus Budget & Mgmt. Alternatives (Thursday 11 Dec 2025)?
 - Apr 2026 – Mtg #4 2 hrs. Public Mtg to go review/discuss DRAFT CMP (Thursday 17 April 2026)?
 - Jun 2026 – MTG #5 2 hrs. w/SC to discuss final CMP. (Thursday 11 June 2026)?
 - April 2026 – RFP issued for contractor to implement plan
 - May 2026 – Contractor identified
 - Jun-Oct 2026 – Plan/contract/treatment executed.



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Table 14. Lake Lawrence Monitoring Schedule.

Activity	Parameters	Sampler	Locations	2024													
				2024				2025									
				9	10	11	12	1	2	3	4	5	6	7	8	9	10
Stream/ Discharge Monitoring	Meteorological	CWOP	GW3666	continuous													
	Lake Outlet Discharge	HEC	LAW-OUT			WW		WW		WW						WW	
	Discharge, Total Phosphorus	HEC	DITCH-IN, SS1, SS2, SS3			WW**		WW		WW**						WW	
Lake Water Quality Monitoring	Secchi Depth	TC	LAL020 LAL030		S	S**	S	S**	S	S**	S	S**	S	S**	S	S	S
	Temperature, Dissolved Oxygen, pH, Conductance	TC	LAL020 LAL030		P	P	P	P	P	P	P	P	P	P	P	P	P
	Total Phosphorus, Ortho-P, Total Kjeldahl Nitrogen, Ammonia, Nitrate+nitrite	TC	LAL020 LAL030		S+B	S+B**	S+B	S+B**	S+B	S+B**	S+B	S+B**	S+B	S+B**	S+B	S+B	S+B
	Chlorophyll-a Pheophytin-a	TC	LAL020 LAL030		Int	Int**	Int	Int**	Int	Int**	Int	Int**	Int	Int**	Int	Int	Int
	Phytoplankton Grab	TC	LAL020										Int		Int**		Int
	Zooplankton Tows	TC	LAL020										T		T		T
	Lake Level	LMD	XAW2 LAW2	At least weekly													
Lake Sediment Sampling	Phosphorus Fractions, Total Iron, Dry Weight, Density	HEC	LAL020 LAL030 LAW-E1 LAW-E2	4 Cores													
Lake Observations	Waterfowl, Boat, Fisher, Swimmer Counts	TC, HEC	Lake		C	C	C	C	C	C	C	C	C	C	C	C	C

TC = Thurston County
 HEC = Herrera
 LMD = Lake Lawrence Lake Management District
 WW = wet-weather sample
 S = surface sample (1 meter below lake surface)
 B = bottom sample (1 meter above sediment)
 P = profiles at designated intervals (see Section 6.2)
 T = tow from 1 m above sediment to surface
 C = count
 ** = duplicate collected at random site/depth
 INT = integrated photic zone sample

2024 LMD Invasive/Nuisance Aquatic Weed Treatment Plan

-  • Nov 2023 – LMD budget \$70,000 for 2024 and 2025 for Invasive/Nuisance Aquatic Weed Control.
-  • 22 August 2023 – Survey Committee & ARS conduct end of year survey to assess type of weeds and density.
-  • 1 Aug – 1 Nov 2023 – Barry rewrote the Prescription. It was approved by the PVMAC on 20 November 2023. It includes all currently authorized Thurston County Health aquatic herbicides for use in accordance with label instructions (Sonar, Aquathol, Galleon SC, etc.).
-  • New RFP released to acquire new contractor 12 December 2023.
-  • RFP Bids due back by 15 February 2024.
-  • Expect contract to be in place NLT 2 April 2024. BoCC approved contract to move forward 2 Apr. Approval of contract was 16 Apr.
-  • 20 April – 20 August - Survey Committee – monthly lake surveys. **One with State ARS 11 June**
-  • April – July – Survey Committee notifies **Contractor** when aquatic vegetation reaches level 1 and then schedules with Survey Committee to validate & determine treatment required. **Notified 11 June**
-  • Apr – 15 Jun – Treatment of invasive/nuisance aquatic weeds if Sonar **or Galleon SC** used. **Treated 12 July & 29 July**
-  • 15 Apr – 15 Jun - APAM Notice mailed to lake front residents 10 days prior to any treatment. **Mailed 10 May & another mailed 26 June**
-  • 15 May – 15 Jun – Treatment of invasive/nuisance aquatic weeds if Aquathol or other chemical used. **N/A**



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2024 LMD Fragrant Water Lily Treatment Plan

-  • 15 Jul – 15 Aug – Treatment of Fragrant Water Lily, if required (to be determined in June or July lake survey).
-  • **Treatment 19 September 2024**










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2024 LMD Yellow Flag Iris Treatment Plan

-  • Nov 2023 – ARS provided treatment plan with treatment map and excel spreadsheets that identified parcels to treat.
-  • Jan 2024 – PW notified LMD that it looked good that some funding would be made available, but no confirmation yet. Feb 2024 – Pending PW Noxious. **PW states they have not yet rec'd grant funding, however, would cover their share for 2024 so treatment could move forward. Requested clarification on what their share was. Clarification was that their share = \$1,500.**
-  • PW to notify LMD if grant funding was available. **According to PW no grant funding available for YFI in 2024**
-  • Feb/Mar – Receive permission letters for treatment:
 - Feb 7, 2024 – Sent out first email to capture permission letters from 24 private parcels
 - Feb 21, 2024 – Second email sent.
 - As of **Apr 2, 2024 - 24 of 24 received.**
-  • Apr – PW wants EH to handle YFI Contract – pushing back on this – it is Noxious Weed Resp. Waiting on decision from County Manager and/or Commissioners. Elevated to Dep County Mgr. on 22 Apr. **PW Noxious weed will handle the YFI contract. Information sent to Nox Weed. Expect treatment end of May.**
-  • Apr/May – Send out treatment notification cards. **Sent 9 May.**
-  • May – PW Noxious Weed treats YFI. **Weeds treated 31 May.**



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Move of LMDs from PW to Public Health & TC LMD SOP

- August 2023 Commissioner gave staff direction to investigate moving LMDs from PW to another County Department & Research methods other jurisdictions use to provide governance over LMDs.
- 15 SEP 2023 Staff & Commissioners notify LMDs of potential changes.
- 19 Sep 2023 LMDs sent a detailed list of questions to Deputy County Mgr.
- 25 Sep 2023 Commissioners briefed by staff – guidance from commissioners was to pursue exploratory efforts to move LMDs to Public Health in conjunction with LMD leadership.
- 3 Oct 2023 First meeting with all LMD leadership & Deputy County Mgr.
- 6 Oct 2023 Deputy County Mgr. provides answers to most of LMDs questions asked on 19 Sep
- 11 Oct 2023 – LMD to provide additional clarifying questions to Deputy County Mgr.
- 17 Oct 2023 Next meeting with Deputy County Mgr. – Refine questions
- 31 Oct 2023 Tentative Meetings with Deputy County Mgr. every other week through December.
- 12 Dec 2023 LMD Transition Meeting – Transition meetings will be once a month starting in 2024
- 15 Dec 2023 BoCC approved move of budget from PW to EH.

Move of LMDs from PW to Public Health & TC LMD SOP (continued)

- 19 January 2024 – Formatting of SOP completed – submitted for final review.
- 23 January 2024 – Transition meeting with county
- 27 February 2024 – Transition meeting with county – SOP Approved by all LMDs – submitted to county staff for approval of BoCC
- 20 March 2024 – Brief to BoCC
- 26 March 2024 – Transition meeting with county – expect staff review to have been completed and BoCC approval scheduled.
- 2 April 2024 – BoCC Approved SOP.
- 23 April 2024 – Transition meeting with county. Future meetings quarterly.
- 10 June 2024 – Assistant County Manager approved first two SOP changes.
- 25 June 2024 – Quarterly LMD Transition Meeting.
- 23 October 2024 – Next (Quarterly) LMD Transition Meeting.

LMD Renewal 2027

- NEED TO START THINKING ABOUT THIS NOW.
- RECOMMEND STARTING PROCESS JANUARY 2025.
- Need to form a committee. Volunteers?
- Some things to consider.
 - LMD duration (10 years – 35+ years). **Long Lake has submitted for a 20 year LMD.**
 - LMD Rates & Charges (our SHORELINE parcel rates are much lower than any other LMD)
 - What do we want our LMD to do moving forward?
 - Toxic Algae Mitigation (Phosphorus Mgmt.) – Study approved/funded will be completed by early summer 2026.
 - Continue to control Noxious, Invasive and Nuisance Vegetation.
 - If we want Toxic Algae control our rates & charges need to be increased substantially.
 - Community Involvement.
 - DFW pushback on assessment fees.

Keep Current LMD Duration (10 years) Vs. Increase Duration (35 years)

Current Duration (10-20 Years)

- Today's cost to renew LMD is approximately \$15,000
- Huge volunteer effort required
- Any effort to control toxic algae long-term is jeopardized should subsequent LMDs not be renewed

Increase Duration (20-35 Years)

- Potential savings of \$45,000+ over 35 years to use toward lake
- Reduces volunteer effort for renewal to focus on lake needs
- Able to implement long-term strategy for control of lake water quality

2024 Rates & Charges Across LMDs – Thurston County

281 Shoreline Properties –
the average cost is **\$484.00**
12' of shoreline = **\$139.00**
266' = **\$5,158.00**

Lake Lawrence

Fee Category	Fee
Upland	\$80.53
Canal	\$159.78
Lakefront	\$323.33

Long Lake

Fee Category	Fee Per Linear Foot	Developed Basic Fee	Undeveloped Basic Fee
Conservation	\$.80	\$86.86	\$61.28
Lakefront	\$4.37	\$86.86	\$61.28
Upland	\$0	\$86.86	\$61.28

Offut Lake

Fee Category	Fee
Upland	\$70.00
Lakefront Developed	\$750.00
Lakefront undeveloped	\$350.00

Pattison Lake

Fee Category	Fee
Upland Developed	\$77.00
Upland Undeveloped	\$39.00
Lakefront Developed	\$510.00
Lakefront Undeveloped	\$255.00

Long Lake announced on 1 Oct they would be increasing fees 15% overall.
Pattison Lake likewise announced increasing fees 5% overall.

Sustain Current Rates & Charges Vs. Increase Rates & Charges

Keep current rates

- LMD will most likely be renewed
- Should be able to sustain current level of aquatic weed treatment
- Will not be able to control or reduce toxic algae blooms
- Will not be able to reduce water turbidity (greenish/brownish color of water year round)

Increase rates

- LMD may not be renewed
- Will be able to sustain current level of aquatic weed treatment
- Will be able to control/ significantly reduce toxic algae blooms
- Will most likely be able to greatly reduce water turbidity

LMD EXPECTED COSTS 2027 AND BEYOND

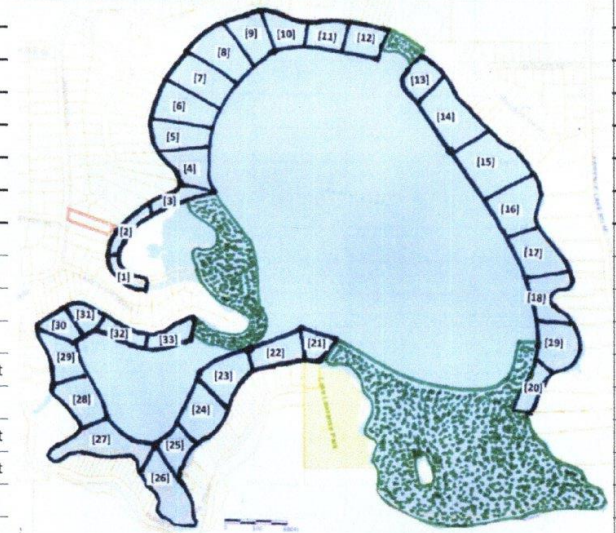
HOW DO WE GET THERE?

In the next scheduled LMD meeting before archiving to the Completed Items folder.						
AI Number / Date Assigned	ECD	Action Assigned to	Action Item	Notes	STATUS	DETAILS
2016-1 2016	2024/25	Barry	Keep members informed of Shoreline Master Program		G	Moving fwd to Ecology for approval as of 12 Dec 23
NO CHANGES SINCE LAST MEETING				Letter sent to WR Mgr 25 Jul 22 - WR Mgr to coordinate grant with DNR (State Noxious Weed Issue). No LMD funds to be used as this is a Noxious Weed/State responsibility. DFW for removal of debris via boat launch. This is a hazard to navigation. Large island has broken loose from moorage twice and has had to be towed back to cove. 8 Mar 23 LMD Mtg - WR Mgr stated not a county responsibility. LMD sent ltr to PW Dir 24 Mar 23. 2 May - Rec'd Response from WR Mgr - Not PW Dir. SC approved recommendation to forward a letter to BoCC to find a solution. Discussed at LMD Mtg 26 July. Response from County Staff - not their job. Frank sent draft letter going to DNR to WR Mgr for review/comment. WR Mgr saw no errors in content. Frank will finalize letter to DNR and send in next couple of weeks with CC to WR Mgr, Commissioners and State Reps. Letter sent to DNR 7 Sep 23. No response to letter sent to Rep Abbarno, Orcutt and Senator Braun 10 Oct 23. 30 Oct 23 DNR and DFW personnel came out to lake and met with Frank Hudik. Took a tour of lake "Berthing Areas" and discussed problem. DNR is refuting responsibility. Next Step is to reengage with Rep Abbarno. Frank briefed Abbarno then sent brief and letter to all stakeholders. LMD notified by Orcutt that WA State Courts had changed legislative boundaries and Lake Lawrence was no long in District #20, but instead in District #2 under JT Wilcox and Andrew Barkis. Frank set up meeting to brief Wilcox and Barkis on issue. That was done on 13 May. Both agreed to take up the issue with DNR. Virtual meeting with WDFW, Ecology and Representative Wilcox 1 July 2024 - Wilcox will work on getting \$ from Capitol Budget for DNR to find solution.	G	Awaiting response from stakeholders
2022-3 7/25/2022	Unknown	Frank	YFI Floating Island Removal		G	
2023-2 3/8/2023	1-Mar-24	Kim	Boating Rules Sign at Public boat launch	Check out sign at Blue or Clear Lake Boat Launch - do they meet our need. Bring recommendation back to 10 May 23 Mtg. Bring wording for sign back to 26 July LMD Mtg. Curt no longer with SC. Kim volunteered to head this up. Will provide input at 11 Oct LMD Mtg. Updated committee and provided examples and initial cost estimate for sign (\$500). More research being done will bring back to SC at March 21, 2024 LMD Mtg. LMD SC decided to table any further discussion/effort on this task at the May 16th, 2024 LMD meeting	G	See notes from LMD SC Mtg May 16, 2024

NEW BUSINESS

LAKE LAWRENCE SURVEY SHEET



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	DATE: 20-Aug-24			COLLECTOR(S): Barry, Jim, Ken, Terry, and Janice													
2	Air Temp: 70			Water Surface Temp: 69			Weather: Overcast					Water Depth: 1.09					
3	AVAS	Rake Pull	Geographic Location	Lat/Long	Depth (ft)	Water-Nymph	Nitella	Common Elodea	Narrow-Leaf Pondweed	Curly Pondweed	Big Leaf Pondweed	Floating Leaf Pondweed	Tape Grass	Coontail	Sago Pondweed	Fragrant Water Lily	YFI
4	A summary of the survey is provided below. Detailed survey results by AVAS are shown on subsequent pages																
5	RATINGS:																
6	1	Few plants in only 1 or a few locations - used to record the fact that a plant or specific species was found.															
7	2	Few plants, but with a wide patchy distribution. Small number of plants on rake head.															
8	3	Plants growing in large patches, codominant with other plants. More plants than 2, but fewer than a full rake head.															
9	4	Plants in nearly monospecific patches, dominate. Full rake head.															
10	5	Thick growth covering area. Plants falling off rake head.															
11																	
12	NOTES:	AVASs 1-3 (Canal)			Treated 12&29 July - no live aquatic plants visible												
13		AVAS 4 Mouth of Canal			Treated 12&29 July - very few live aquatic plants visible												
14		AVAS 5			Harvested 12-15 Aug - very few aquatic plants												
15		AVAS 6-7			Harvested 12-15 Aug - very few aquatic plants												
16		AVAS 8-9			Harvested 12-15 Aug - very few aquatic plants												
17		AVAS 10-15			Harvested 12-15 Aug - very few aquatic plants												
18		AVAS 16			Harvested 12-15 Aug - very few aquatic plants												
19		AVAS 11-16			Harvested 12-15 Aug - very few aquatic plants												
20		AVAS 17-20			Treated 12 & 29 July - CLP undetectable - Some others still present												
21		AVAS 21			Treated 12 & 29 July - very few weeds detectable - No CLP												
22		AVAS 22-30			Treated 12 & 29 July - CLP undetectable - Some others still present												
23		AVAS 31-32			Treated 12 & 29 July - CLP undetectable - Some others still present												
24		AVAS 33			Small amounts of Elodea												
25		Conservation Area Southeast Goat Island			Too full of lily's to see anything												
26		South Lake Lawrence Conservation Area			Too shallow/too many lilies												
27	1	This is the last survey for 2024. It was conducted following all aquatic weed treatments (12 and 29 July) and aquatic weed harvesting (12-15 August).															
28	2	Aquatic Weed Treatment - Survey could not detect any CLP in treated areas. Water Nymph and Narrow Leaf Pondweed appeared to be impacted by this treatment, but Elodea and Tape Grass were not. In fact Tape Grass appeared to flourish once the other plants were suppressed.															
29	3	Aquatic Weed Harvesting - Areas where weed harvesting occurred (see above) showed considerable reduction and near elimination of aquatic vegetation. Vegetation was not harvested between docks.															
30	4	Depth measurements for individual AVASs were not taken during this survey as treatment had already happened.															



August Lake Survey Results


- Survey did not detect any CLP in treated areas. CLP treatment was done on 26 acres on 12 and 29 July at a cost of \$29,000.
- Other aquatic vegetation (water nymph & narrow leaf pondweed) were impacted. Growth slowed and vegetation die off.
- Tape grass seemed to be wider spread.
- Aquatic weed harvesting in those areas harvested showed substantial reduction in vegetation.
- 14.83 tons (29,668 lbs.)/9.57 Cubic Yards of vegetation was removed from ~15.5 acres at a cost of \$20,000.

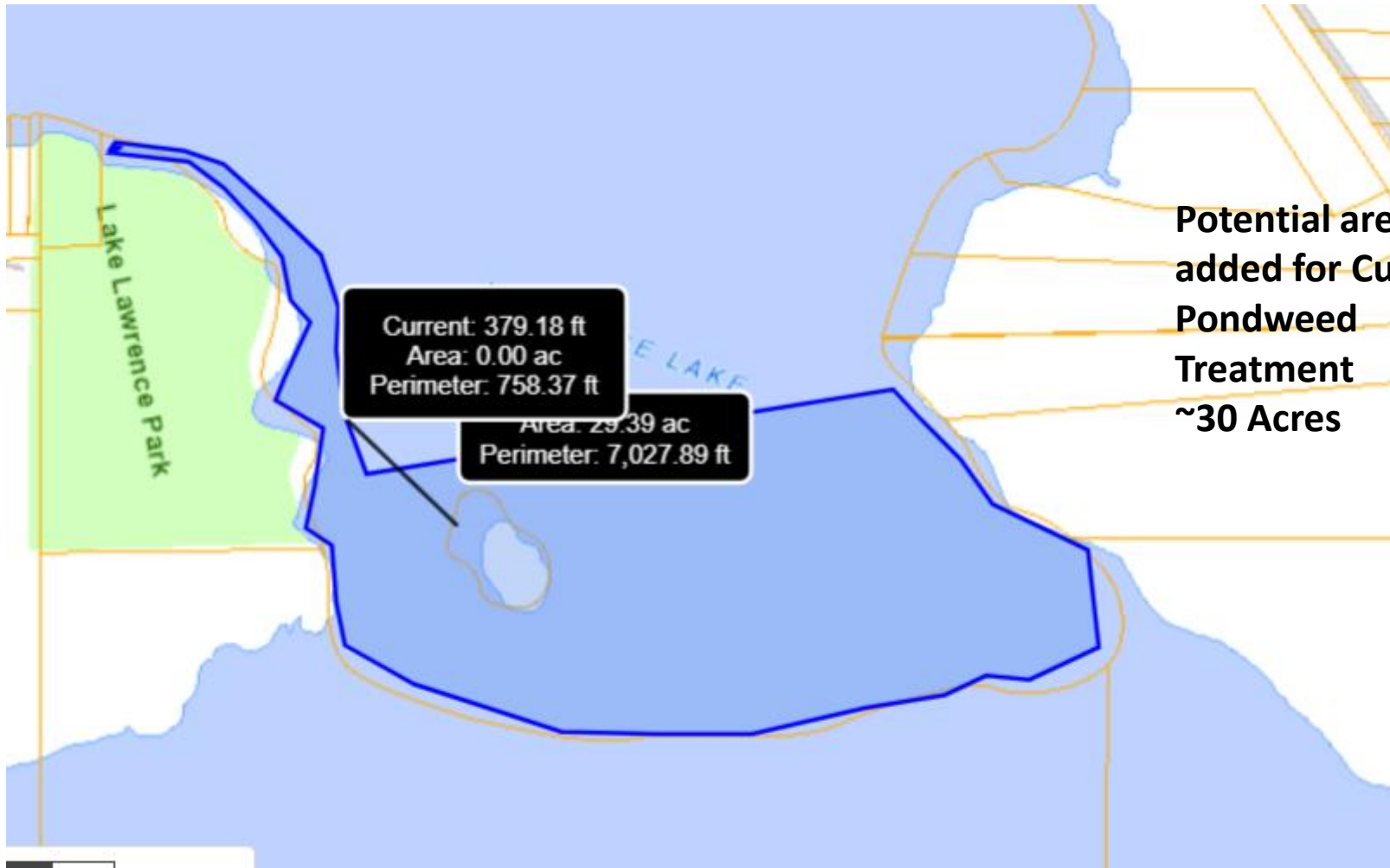
2025 LMD Invasive/Nuisance Aquatic Weed Treatment Plan

-  • Nov 2023 – LMD budget \$70,000 for 2025 for Invasive/Nuisance Aquatic Weed Control.
-  • 20 August 2024 – Survey Committee & ARS conduct end of year survey to assess type of weeds and density.
- October 2024 – Virtual meeting with contractor to discuss 2025 treatment plan – **Contractor contacted 3 Oct 24 – awaiting meeting date/time.**
- 20 April – 20 August - Survey Committee – monthly lake surveys.
- April – July – Survey Committee notifies **Contractor** when aquatic vegetation reaches level 1 and then schedules with Survey Committee to validate & determine treatment required.
- Apr – 15 Jun – Treatment of invasive/nuisance aquatic weeds **Galleon SC** used?
- 15 Apr – 15 Jun - APAM Notice mailed to lake front residents 10 days prior to any treatment
- 1 May – 15 Jun – First Treatment of invasive/nuisance aquatic weeds. Second treatment 2 weeks later.

 G = Green = Completed On Time

 Y = Yellow = Late – Program Jeopardized

 R = Red = Mission Fail



2025 LMD Fragrant Water Lily Treatment Plan

- 15 Jul – 15 Aug – Treatment of Fragrant Water Lily, if required (to be determined in June or July lake survey).

2024 Treatment
2.5 Acres



G = Green = Completed On Time



Y = Yellow = Late – Program Jeopardized



R = Red = Mission Fail

2025 LMD Yellow Flag Iris Treatment Plan

- Jan/Mar – Send out and Receive permission letters for treatment:
 - Jan 7, 2025 – Send out first email to capture permission letters from 24 private parcels
 - Feb 7, 2025 – Send out second email sent.
 - April 1, 2025 – Send permission letters to PW Noxious Weed
- Apr/May – Send out treatment notification cards.
- May – PW Noxious Weed treats YFI. Cost to LMD \$1,500



G = Green = Completed On Time



Y = Yellow = Late – Program
Jeopardized



R = Red = Mission Fail

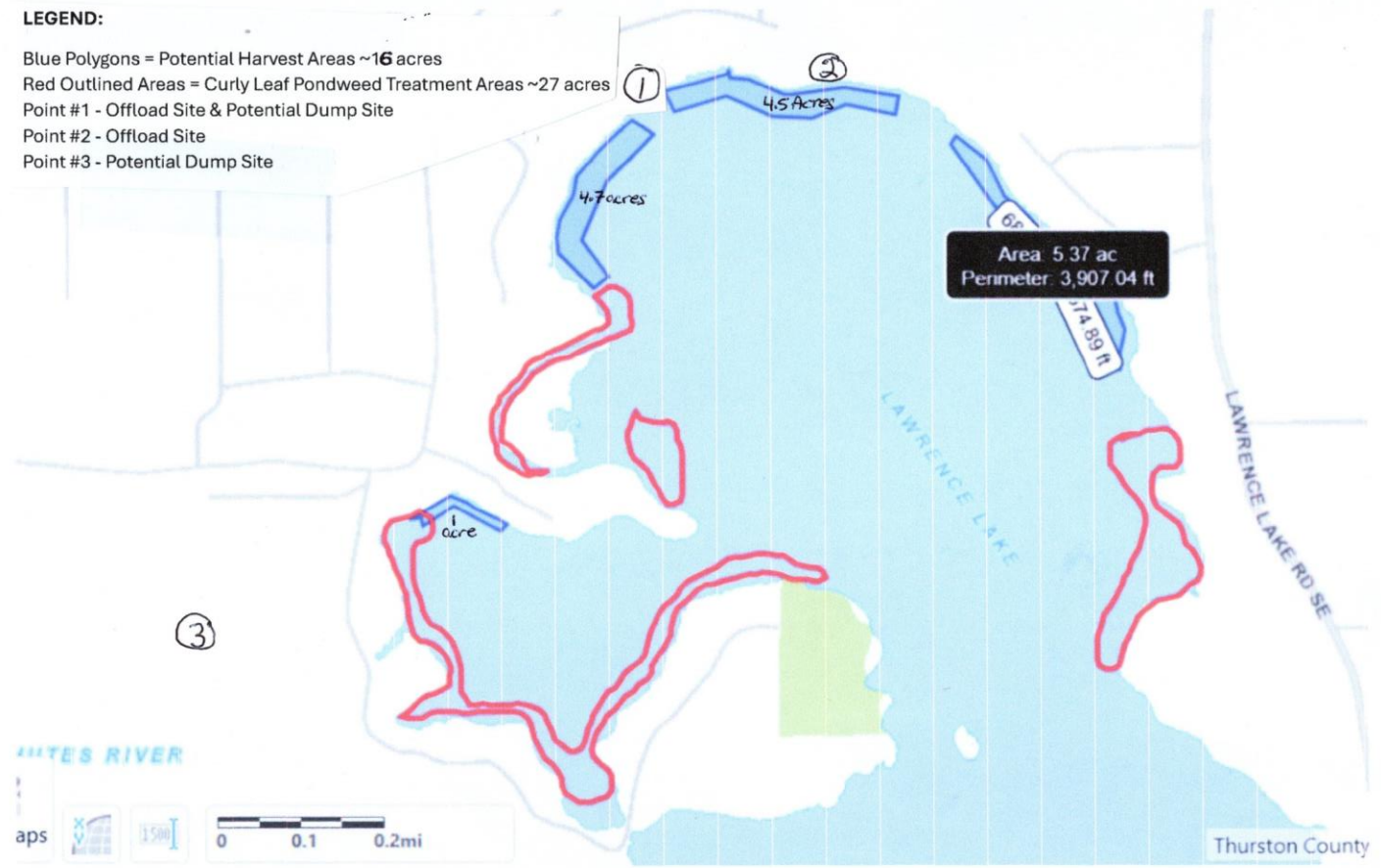
WEED HARVESTING CONTRACT

- 9 July weed survey showed many native weeds in most littoral areas.
- To help our members we are looking at contracting for a weed harvester to harvest approximately 16 acres of aquatic vegetation by 15 August.
- Harvester does not work inside docks – only from front of docks out. Members still responsible for raking weeds from shoreline to end of dock.
- This harvesting would occur only in those areas where we are not doing chemical applications. (see next slide for mapped areas)
- Because cost is expected to be above \$10,000 a Request for Quotation (RFQ) (contract) must be issued (at least two bids). Contract approved by Dept of Health Director.
- Cost expected between \$15,000 and \$20,000. **Cost was \$20,000**
- RFQ written and sent out 12 July. Bids must be back by 24 July with contract award by 1 August.
- Two bids received 24 July.
- Contractor selected and notified 25 July.
- WO issued 2 August.
- Harvesting performed 12-15 August.
- 14.83 tons (29,668 lbs.)/9.57 Cubic Yards of vegetation removed from 15.5 acres and composted on LLCC property.
- LMD residents are encouraged to pick up as much of the composted vegetation as they wish.

**SHOULD WE DO THIS
IN 2025?**

LEGEND:

- Blue Polygons = Potential Harvest Areas ~16 acres
- Red Outlined Areas = Curly Leaf Pondweed Treatment Areas ~27 acres
- Point #1 - Offload Site & Potential Dump Site
- Point #2 - Offload Site
- Point #3 - Potential Dump Site



STATE OF THE LAKE REPORT SUMMARY

Administration

- 2022-2024 Continue to work with the 24 other LMDs in the state and our state legislators & state agencies to make changes to RCW 36.61
- 20 December 2023 LMD opened its own email account at lakelawrence750@gmail.com
- 20 December 2023 LMD launched Website at <https://www.lakelawrencelakemanagementdistrict.com>
- 1 January 2024 LMD transition from PW to EH and gained budget & work plan decision authority. Reduced LMD admin budget costs by ~\$20,000. Will know for sure in March 2025.
- 2 April 2024 County Commissioners and all four LMDs approved SOP on how LMDs and County will operate.

STATE OF THE LAKE REPORT SUMMARY

Contracts

- November 2023 LMD wrote, submitted & was approved for a \$50,000 grant to conduct a Cyanobacteria Management Plan (CMP) Study – Toxic Algae Study.
- March 2024 LMD wrote, issued, selected and entered into a new multi-year aquatic weed treatment contract.
- March 2024 LMD wrote, issued, selected and entered into a contract to conduct the CMP Study that began in July 2024 with a Public Meeting. Water sampling starts 1 October 2024 and ends 1 October 2025. Final study to be provide by June 2026.
- July 2024 LMD wrote, issued, selected and entered into a contract to harvest aquatic vegetation from 16+ acres of shoreline with priority to HOA Community parks/Swim Areas/Boat Launches

STATE OF THE LAKE REPORT SUMMARY

Treatments

- Aquatic Vegetation Surveys – new format – very detailed – takes longer. Conducted 6 surveys (April – August)
- Yellow Flag Iris – Treated 31 May 2024 (see map in back of room). LMD paid County \$1,500 and did all the volunteer work for this effort. This effort will continue in future years.
- Aquatic Weed Treatment – 12 & 29 July Treated 26 Acres of Curly Leaf Pondweed (CLP) – Invasive species with Galleon SC at a cost of \$28,614 – Good results. **WHAT DO YOU THINK?**
- Fragrant Water Lily Treatment – Sep 24 treated entire shoreline of both basins at a cost of \$2,700 – Good results. **WHAT DO YOU THINK?**
- Harvested 16+ Acres of aquatic vegetation 12-16 August at a cost of \$20,000. Good results. **WHAT DO YOU THINK? SHOULD WE DO IT AGAIN?**

STATE OF THE LAKE REPORT SUMMARY

Education & Outreach

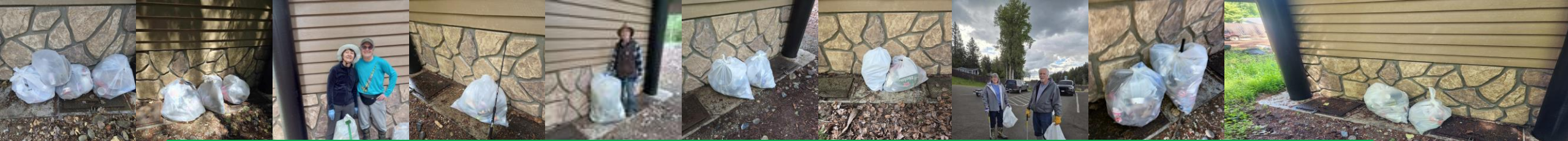
- Annual meeting with guest speaker(s) on water quality enhancements.
- Developed website with important information, studies, surveys and other important water quality information.
- Expanded YouTube Channel – Over 60 How To & Information Videos
 - Over 21,000 views in first year

STATE OF THE LAKE REPORT SUMMARY

Volunteer Activities

- Assistance to Thurston County Undeveloped Park – 200 hours
- Assistance to Thurston County Health & Social Services – 5 hours
- YFI Treatment – 50 hours
- YFI Floating Islands – 20 hours
- Goat Island Restoration – 100 hours
- Education & Outreach – 500 hours (guest speaker, LMD meetings, Public meetings, Annual meeting/BBQ, YouTube Channel, Website)
- Water Measurement – 6 hours
- CMP Study – 20 hours

TOTAL: 900+



Trash collected from Thurston County Park Oct 23 – Sep 24



Open fire on County Park Shoreline March 2024

2600 lbs. or 1.2 tons of trash collected by LMD volunteers

Barbed wire removed from park July 2024



Fire pits found along shoreline in 2024

2025 BUDGET DECISIONS

- Cancel USPS Post office box Mid December 2024 (\$166 a year) and purchase new address stamp for LLCC Mailbox. Self Inking Rubber Address Stamp **\$20.78**.
 - LLCC approved LMD use of their mailbox at LLCC Board Meeting 9 Oct 24.
- 1 Case of copy paper - **\$40.58** (COSTCO)
- 6 ea. file storage boxes - **\$21.89** (Amazon)
- 1 ea. ONN Fix 32-86 TV Wall Mount - **\$21.77** (Walmart) to attach TV to wall in LLCC Lower Lodge.
- Jan 2025 4.25"x 5.5" Post Card Mailer/Notification to 671 LMD Members
 - 2024 Cost = \$426.66
 - 2025 Cost estimated at **\$450.00**
- March/April 2025 8.5"x5.5" Post Card Business & Residential Notice for Weed Treatment to 172 LMD Shoreline Members
 - 2024 Cost = \$207.00
 - 2025 Cost estimated at **\$250.00** (card size increased)

- TOTAL: **\$806 +/- 10%**

- **APPROVE/DISAPPROVE**



Danger Shallow Water Diamond Sign No Diving Caution Warning Aluminum Metal Sign
 Sign Fever (30838)
 99.5% positive Seller's other items Contact seller
 US \$14.99

Recommendation:

April 2025 install 3 signs on steel stakes 100-150' apart across the southern end of Lake Lawrence to warn boaters of extreme shallow water dangers.

Cost:

Signs – 3 x \$20 = \$60

10' Square Sign Post – 3 x \$84ea. +tax & Shipping = \$100 ea.

Tamper Proof Bolts – 10 x \$14+tax (Home Depot)

Tamper Proof Nuts – 10 x \$12+tax (Home Depot)

TOTAL: \$386+tax +/- 10% APPROVE/DISAPPROVE

8/27/24, 1:45 PM
 Danger Shallow Water Diamond Sign No Diving Caution Warning Aluminum Metal Sign | eBay

Features:

- High quality detailed professionally printed directly on the Aluminum Metal
- Size: 12"x12" Diamond Shape Sign
- Made in the USA, at our own production facility in Dallas, TX.
- High Gloss Aluminum with UV Protective Coating. Suitable for outdoor use.
- Rounded Corners
- Two Drilled Holes for Easy Mounting
- Easy to Install, can be used on most platforms.
- No Screws or stake included
- High gloss UV coating resists fading

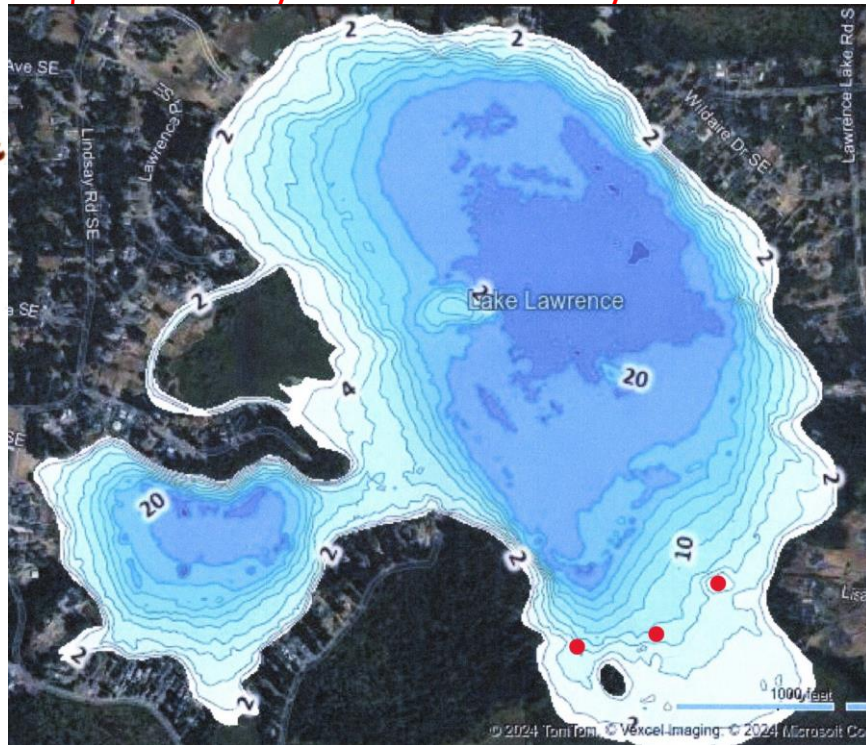
Square Sign Post - 10 ft



- Eliminate the need for multiple posts.
- Signs attach to all four sides.
 - Rust-resistant galvanized steel.
 - Use with Postings and Traffic Signs, Post Anchor and Post Caps, sold separately.

MODEL NO.	SIZE	DESCRIPTION	PRICE EACH	IN STOCK	SHIPS TODAY
H5514	10 ft.	Square Post	\$88 \$84 \$80	1	2024

DNR/WDFW – No issues
 County EH – ?
 County Sheriff – Deputy Cady, Boating Enforcement Officer
 – No legal issues as long as lake organization board approves.



LMD Annual Meeting & BBQ After Action Review

- Cost
 - Food = \$185.84
 - Handouts = \$47.02
- **APPROVE REIMBURSEMENT OF \$232.86**
- 22 Members present
- Good presentation by Environmental Health and Community Planning & Economic Development – YouTube Video of presentation posted on YouTube Channel: https://youtu.be/j7kyE_PVZKo
- Discussion - **What to do next year?**

2025 Meetings

2025 SC Meeting Schedule (6:30-8:30 p.m.):

- Thursday 20 February (Virtual) – LMD Renewal Work Session
- Thursday 20 Mar (Virtual)
- Thursday 15 May (In Person)
- Thursday 17 July (Virtual)
- Thursday 16 Oct (In Person)

2025/26 CMP Meeting Schedule:

- Mtg#2 – Thursday 22 May 2025 1 hour virtual w/SC 6:30-7:30 p.m.
- Mtg#3 – Thursday 11 Dec 2025 2 hours virtual w/SC 6:30-8:30 p.m.
- Mtg#4 – Thursday 17 Apr 2026 2 hours In-Person w/All LMD 6:30-8:30 p.m.
- Mtg#5 – Thursday 11 Jun 2026 2 hours virtual w/SC 6:30-8:30 p.m.

2025 Survey Schedule – 9 a.m. (2-3 hours):

- Saturday 19 Apr
- Tuesday 13 May
- Tuesday 10 June
- Tuesday 24 June
- Tuesday 8 July
- Tuesday 19 August

Annual Meeting – 7-9 p.m.

- **Thursday 25 September**

2025

January							February							March							April						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4																		1	2	3	4	5
6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7		
8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
May							June							July							August						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
22	23	24	25	26	27	28	29	30	31				1	2	3	4	5	6	7	8	9	10	11	12	13		
September							October							November							December						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
27	28	29	30	31			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		

- = LMD MEETING.
- △ = CMP MEETING SCHEDULE
- = LAKE SURVEY
- ✳ = ANNUAL MEETING

Other Business

- Good of the Order