TLPOA Spring Membership Meeting

May 23, 2026

Agenda

- Opening Remarks
- Pledge of Allegiance
- Board Member Introductions
- Reports
  - Treasurer Report
  - Membership Report
  - Goose Control
  - MLSA Conference Highlights
  - Phosphorus Sediment Testing
  - Lewiston School Project
  - Social Events
  - Greenbelt Education
  - Lewiston Cares Update
- Open Forum (Q&A)
- Adjourn

Treasurer Report

Calendar Year 2025

	Total TLPOA	General Fund	Aeration Fund	EWM Fund
Beginning Balance (1/1/2025)	213.0	116.3	19.8	77.0
+ Deposits	42.0	33.2	8.8	-
- Expenditures	36.3	22.5	10.3	3.6
Ending Balance (12/31/2025)	218.7	127.0	18.3	73.4

Values in $K

Current 2026

	Total TLPOA	General Fund	Aeration Fund	EWM Fund
Beginning Balance (1/1/2026)	218.7	127.0	18.3	73.4
+ Deposits	16.1	12.9	3.2	-
- Expenditures	14.9	14.2	0.8	0.0-
Ending Balance (5/20/2026)	219.9	125.7	20.7	73.4

Values in $K

Membership Report

Membership

Thank everyone for joining us as a TLPOA member

- The $35 Family membership and corresponding part of Lake Stewards pays for our basic budget
  - Newsletter mailings
  - Insurance
  - Communications
  - Education
  - Miscellaneous
- The remaining part of Lake Steward membership pays for the extras:
  - Lake monitoring & testing
  - Member events
  - Community support
- So, big thank you to all of you Lake Stewards!

138	Family Members
151	Lake Stewards
2	Donations
291	Total members

Goose Control

GOOSE BUSTERS

	East Twin		West Twin		Total		
Year	Nests	Eggs	Nests	Eggs	Nests	Eggs	Cost
2024	8	39	2	11	10	50	$400
2025	6	36	10	48	16	84	$920
2026	8	35	13	79	21	114	$1,020
Totals	**22**	**110**	**25**	**138**	**47**	**248**	**$2,340**

Block the Flock

3 Goals: 1) Eliminate Sense of Safety - 2) Diminish food quality - 3) Create barriers

Shoreline Garden.

- Have less lawn and more dense vegetation - tall flowers, decorative shrubs etc.
- Dense vegetation covers most of water front and extends well inland
- Dense vegetation also covers side yards
- Trees to block shallow goose flight paths

Tips:

- Vegetation needs to be tall enough and tink enough so geese cannot see over or through - at least 30 inches tall.
- Lawn should not be visible from the water for a goose.
- A winding path to dock to eliminate sight lines to lawn
- Mow high - 3 to 4 inches - Tall fescue, endophyte enhanced

Check out MSU site for ideas: https://www.canr.msu.edu/resources/smart-waterfront-plants-to-enhance-your-shoreline.

Or this EGLE site: https://storymaps.arcgis.com/stories/63d101f3984d4c4e8720364d0fdd4431

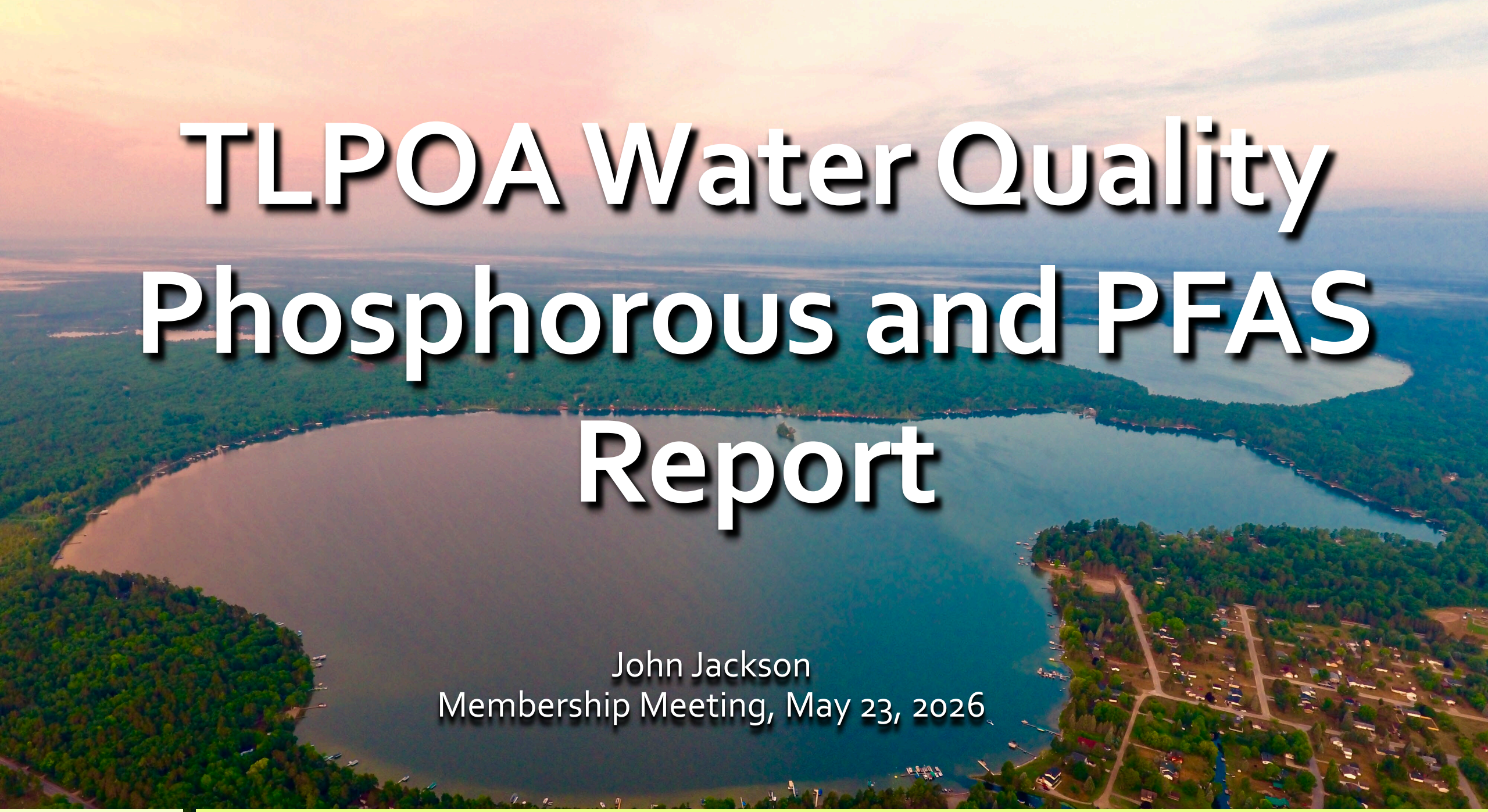
Shoreline Examples

MLSA Conference Highlights

Highlights

- Wake boat legislation
- Phosphorus management
- EGLE permitting

Phosphorus Sediment Testing



TLPOA Water Quality Phosphorous and PFAS Report

John Jackson

Membership Meeting, May 23, 2026

What were last years Water Quality future steps?

1. Continue to develop Geese remediation strategies including contract for Goose Busters for next year
2. Continue street cleanings late this fall and early spring 2026 per Huron Pines report to reduce storm sewer system input
3. Continue CLMP participation
4. **Investigate additional control strategies to reduce phosphorous in the Twin Lakes**
5. **Determine PFAS levels in East and West Twin**

PLM's ETL and WTL Sediment Sampling Locations

Where are the sources of Phosphorous (P) loading?

Precipitation
Geese
Septic Tanks
Near Shore Runoff
Groundwater

2025 CLMP (AI)
ETL 50% WTL 0%

P
External Load

#1 Retention Pond Input

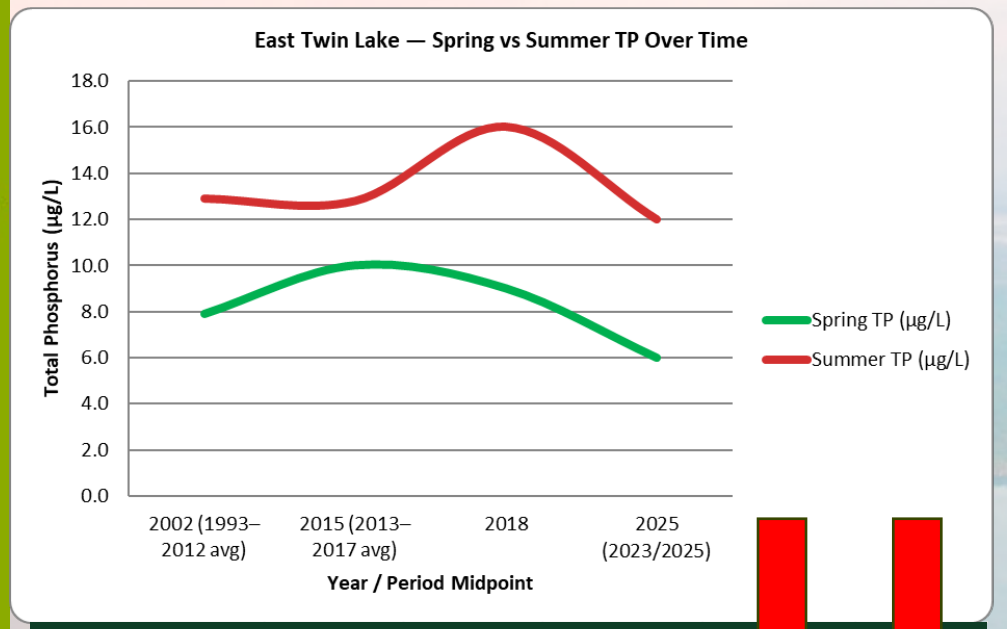
P P P P P
Internal Load

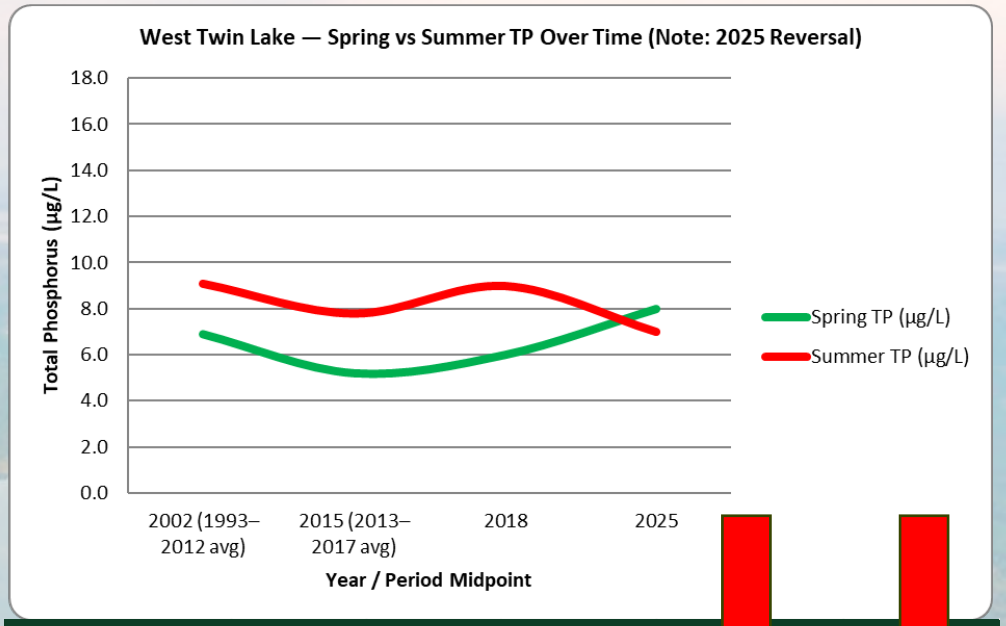
#2-9 Organic Material Decomposition

P

#10 Cobb Creek Discharge

CoPilot AI ETL & WTL Internal P Determination





East Twin Lake | Site ID: 600013 | Michigan CLMP Pho rus M in

All Total Phosphorus (TP) values in µg/L (ppb) · TSI is dimensionless · Michigan Citizen Lake Mo Spring Program (CLMP)

Period / Year	Spring TP (µg/L)	Summer TP (µg/L)	Summer/Spring Ratio	Pattern Classification	Est. Internal Loading %
2023 / 2025	6.0	12.0	2.00	Strong Internal Loading	50.0

West Twin Lake | Site ID: 600014 | Michigan CLMP Ph rus Mo g

All Total Phosphorus (TP) values in µg/L (ppb) · TSI is dimensionless · Michigan Citizen Lake M itoring Program (CLM

Period / Year	Spring TP (µg/L)	Summer TP (µg/L)	Summer/Spring Ratio	Pattern Classification	Est. Internal Loading %
2025	8.0	7.0	0.88	External Loading Dominant	0.0

Where are the highest P levels?

East/West Twin Lake Sediment Samples		
Site Locations and Sample Type	Total Phosphorous mg-P/kg	Releasable Phosphorous mg-P/kg
3 East Twin Lake Deep Hole - Level 3	453	279
1 East Twin - Retention Pond	321	22
6 West Twin Deep Hole - Level 2	250	70
2 East Twin Lake Pond Outlet	213	39
4 East Twin Lake - Level 2 Aeration	209	126
10 Middle Branch Big Creek - Level 2	205	131
7 West Twin Lake - Level 2	154	47
8 West Twin Lake - Level 2	76	6
5 East/West Marina Channel - Level 3	63	6
9 West Twin Outlet - Level 3	58	20

Where would EutroSORB G reduce the most P?

East/West Twin Lake Sediment Samples		
Site Locations and Sample Type	Total Phosphorous mg-P/kg	Releasable Phosphorous mg-P/kg
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7 West Twin Lake - Level 2	154	47
2 East Twin Lake Pond Outlet	213	39
1 East Twin - Retention Pond	321	22
9 West Twin Outlet - Level 3	58	20
8 West Twin Lake - Level 2	76	6
5 East/West Marina Channel - Level 3	63	6

PLM recommends these Water Quality future steps?

- ✓Apply EutroSORB G to highest sediment P locations
  - #3 ETL Deep Hole
  - #1 Retention Pond
- ✓Continue sediment monitoring
- ✓2nd application in 2027 for the ETL Deep Hole
- ✓Costs: 2026 $18,734
  2027 $11,950
- ✓Results: 35% Reduction in ETL P
  ETL P ≈ WTL P
- ✓Consider additional EutroSORB G applications
  e.g. #6 WTL Deep Hole, #4 ETL Aeration

East and West Twin PFAS Sampling Locations

PLM Fact Sheet for PFAS, PFOS and PFOA

What Are PFAS?

- PFAS (per- and polyfluoroalkyl substances) entire family of synthetic chemicals historically used in products like firefighting foam, non-stick coatings, and water-resistant materials.

Why Were They Tested?

- PFAS testing is increasingly included in lake monitoring programs to establish baseline conditions, Address public questions and ensure transparency and data-driven decision making

What Was Found?

- Most PFAS compounds(60+ tested): most not detected a few PFAS compounds at very low levels
- PFOS: (specific chemical most concerning) not detected
- PFOA: (another specific chemical less concerning) very low levels

Are These Levels Safe?

- Yes at the concentrations measured: typical of background surface water conditions
- Well below levels associated with health concerns
- Not a contamination issue

Do We Need to Do Anything?

- No immediate action is needed.
- Optional future monitoring could be conducted to track long-term trends.

Lewiston School Project


Raven Hill
DISCOVERY CENTER

TLPOA Social Events

Pete Petoskey & Raietta Ott Independence Day Boat Parades

July 4 , 2026
5:00 PM

- West Twin: Starts at Eagle Point
- East Twin: Starts just east of island

Save the Dates

Heart of the Summer Party

Needs a host

Wine & Cheese Party

Friday, August 28; 6:00 PM

Hosted by Pete & Susan Stephens

Greenbelt Education

Lewiston Cares Update

Open Forum (Q&A)

TLPOA Web Site: *tlpoalewistonmi.com*

TLPOA E-mail: *twinlakeslewiston@gmail.com*

TLPOA Facebook: *facebook.com/TwinLakesPOALewistonMI*

Adjourn