

TAMARACK LAKE
LAKE IMPROVEMENT BOARD MEETING
October 18, 2023

A meeting of the Tamarack Lake, Lake Improvement Board was held at the Lakeview Fire Department, 117 Park Dr., Lakeview, Michigan on the 18th day of October 2023 at 4:00 P.M.

The meeting was called to order by Anne at 4:00 p.m.

PRESENT: Pat Carr – Board of Commissioner’s Representative
Colton Leppink – Cato Township Representative
Chris Fryover – Village of Lakeview Representative
Anne Gaylord – MCDC

ABSENT: Todd Sattler – Secretary, Drain Commissioner
Jourdan Lindsey – Chairperson

ALSO

PRESENT: Steve Zulinski – Michigan Lakefront Solutions
Mike Foster – Kaiser Associates

A motion was made by Pat and seconded by Chris to approve the agenda. Motion carried.

A motion was made by Chris and seconded by Pat to approve the minutes from August 30, 2022, as presented. Motion carried.

Public Comments

No public comments.

Financial Update

Anne provided a financial update to the Board including a current balance of \$143,382.42. She noted that the balance is now earning interest and has earned \$4,187.63 in interest year to date.

Treatment Update

Steve noted it was a challenging year with the high temperatures and low water levels, which led to a lot of Elodea growth. Steve is looking to move treatments up to allow the lake to be treated earlier in the season to work more proactively. He noted that Hydrilla and Rock Snot have both been found in Michigan and they are on the lookout for if they show up in the lake. Chris asked about fish stocking. Anne advised that it would have to be added to the budget at the next public hearing. Steve added that EGLE or the DNR would probably like to survey the lake to see what fish are there and what fish should or could be added. Chris asked how treatments are affected by temperatures. Steve explained that temperature, water level, sunlight, and type of winter all affect treatments. Steve noted that moving up the treatments next season will likely require additional

treatments late in the season. Chris asked if more lily pads could be treated. Steve said lily pads can only be treated for navigational purposes. Steve said the only real issue on the lake this season was the Elodea. Mike Added that Kaiser would like to understand why the Elodea was so out of control as they have never seen this on another lake. Chris said that he had seen a video of people treating their lake with barley. Steve will look into barley treatments.

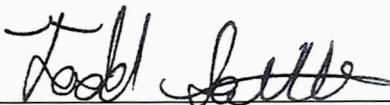
Special Assessment

Anne presented a special assessment roll to the Board. The Board stated there were no changes needed to the roll.

Other Business

Anne noted that the next meeting will be held on October 16, 2024, at 4:00 pm.

There being no further business to come before the Lake Board, a motion was made by Pat and seconded by Chris to adjourn the meeting at 4:27 p.m. Motion carried.



Todd Sattler, Secretary
Tamarack Lake, Lake Board

State of Michigan }
 } ss:
County of Montcalm }

I hereby certify that the foregoing is a true and complete copy of the minutes of a meeting of the Tamarack Lake, Lake Improvement Board, Montcalm County, Michigan held on October 18, 2023, and that said minutes are on file in the office of the Montcalm County Drain Commissioner and are posted on the website at www.montcalm.us and are available to the public.

I further certify that notice of the meeting was posted at least 18 hours before the meeting at the office of the Montcalm County Drain Commissioner, which is the principal office of the Tamarack Lake, Lake Improvement Board.



Todd R. Sattler
Montcalm County Drain Commissioner

**TAMARACK LAKE
LAKE IMPROVEMENT BOARD
MEETING**

**October 18, 2023
4:00 P.M.**

MONTCALM COUNTY
Lakeview Fire Barn
117 Park Dr.
Lakeview, MI 48850

Agenda

1. Call to Order
2. Approval of Agenda
3. Approval of Minutes
 - October 26, 2022
4. Public Comment
5. Financial Update
6. Treatment Update
7. Special Assessment Roll
8. Other Business
9. Adjourn

If you cannot attend, please call 989-831-7322 at least two days prior to the meeting.

Lake Board Members:

Jourdan Lindsey, Chairman, Abutting Property Owners Representative
Todd Sattler, Secretary/Treasurer, Montcalm County Drain Commissioner
Chris Fryover, Member, Village of Lakeview Representative
Colton Leppink, Member, Cato Township Representative
Patrick Carr, Member, Montcalm County Board of Commissioners

Tamarack Lake Finance Sheet 2023-2027 (84014)

Tuesday, October 17, 2023

Date	Vendor	Description	Check Number	Expenses	Revenue	Balance
10/11/2022		Beginning Balance				\$ 164,721.74
10/13/2022	View Newspaper Group (27737)	Publishing - Resolution	169449	\$ 763.40		\$ 163,958.34
10/27/2022	Keiser & Associates (27782)	2022 Lakescan Agreement	169738	\$ 3,243.74		\$ 160,714.60
11/10/2022	Michigan Lakefront Solutions	10/4/2022 Weed Treatment	170001	\$ 8,500.00		\$ 152,214.60
1/5/2023	Michigan Lakefront Solutions	1st Service Payment 2023	171085	\$ 32,000.00		\$ 120,214.60
1/5/2023	Michigan Lakefront Solutions	2023 EGLE Permit Fee	171085	\$ 1,500.00		\$ 118,714.60
1/26/2023	Keiser & Associates (27782)	2022 Lakescan Agreement	171546	\$ 1,585.00		\$ 117,129.60
1/31/2023	Huntington Bank	Interest Income			\$ 263.62	\$ 117,393.22
2/28/2023	Huntington Bank	Interest Income			\$ 442.70	\$ 117,835.92
3/31/2023	Huntington Bank	Interest Income			\$ 377.02	\$ 118,212.94
4/30/2023	Huntington Bank	Interest Income			\$ 372.55	\$ 118,585.49
5/2/2023	Montcalm County	2022 Delinquent Settlement			\$ 6,698.70	\$ 125,284.19
5/8/2023	Montcalm County	2022 Collected Settlement			\$ 80,949.29	\$ 206,233.48
5/31/2023	Huntington Bank	Interest Income			\$ 608.82	\$ 206,842.30
6/22/2023	Michigan Lakefront Solutions	05/18 & 06/08/2023 Weed Treatment	174632	\$ 30,196.00		\$ 176,646.30
6/30/2023	Huntington Bank	Interest Income			\$ 571.72	\$ 177,218.02
7/6/2023	Keiser & Associates (27782)	2023 LakeScan Agreement	174920	\$ 3,126.80		\$ 174,091.22
7/31/2023	Huntington Bank	Interest Income			\$ 578.09	\$ 174,669.31
8/17/2023	Michigan Lakefront Solutions	07/20/2023 Weed & Algae Treatment	175797	\$ 15,325.00		\$ 159,344.31
8/31/2023	Huntington Bank	Interest Income			\$ 526.43	\$ 159,870.74
9/7/2023	Michigan Lakefront Solutions	Muck Treatment	176104	\$ 15,000.00		\$ 144,870.74
9/21/2023	Keiser & Associates (27782)	2023 LakeScan Agreement	176370	\$ 1,935.00		\$ 142,935.74
9/30/2023	Huntington Bank	Interest Income			\$ 446.68	\$ 143,382.42
Remaining Balance						\$ 143,382.42

To: Tamarack Lake Board**Date:** October 18, 2023**From:** Mike Foster, Environmental Engineer
Mark Kieser, Senior Scientist**cc:****RE:** 2023 conditions at Tamarack Lake

2023 vegetation surveys of Tamarack Lake showed conditions consistent with previous years. Visual observations backed by analysis metrics show there is some room for improvement on the lake. Of particular concern is the unusually high presence and coverage of *Elodea* in the lake (Figure 1). This type of condition has not been observed on any of Kieser & Associates' other lake clients in the past few years. Such dominance of this plant species may be due to a high phosphorus environment present in the top layer of the sediment. Sampling of this condition is advisable to confirm whether or not it is an issue. If high phosphorus levels are confirmed to be in the top layer of lake sediment, it would be worthwhile to look into phosphorus binding applications of either alum or Phoslock.

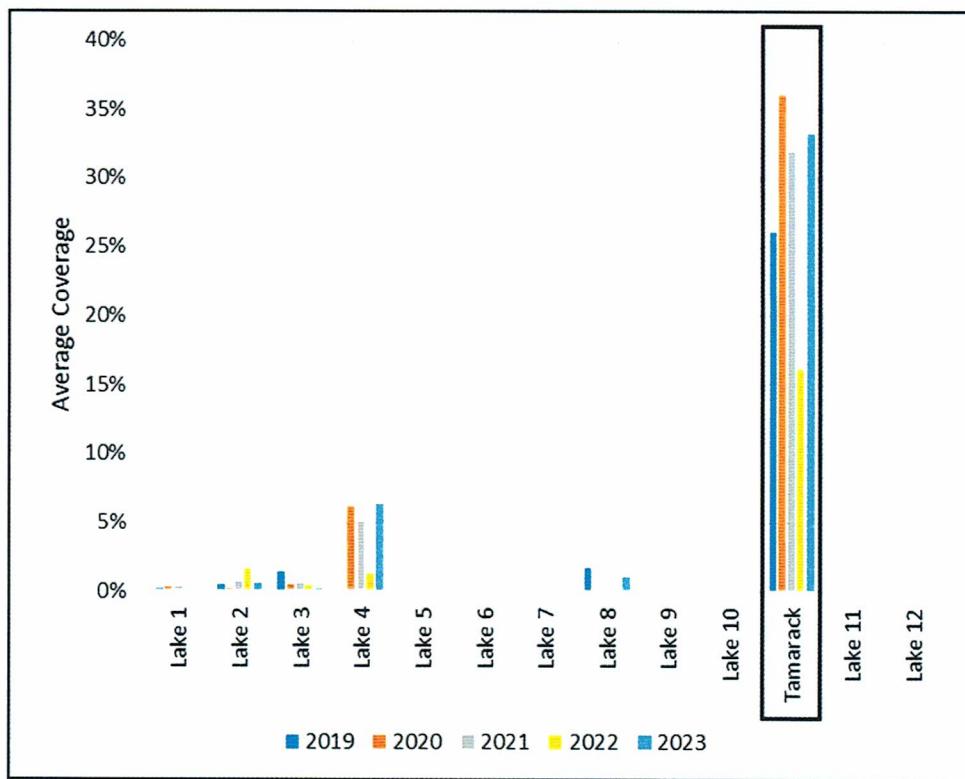


Figure 1 - *Elodea* coverage at Tamarack Lake compared to other Michigan lakes.

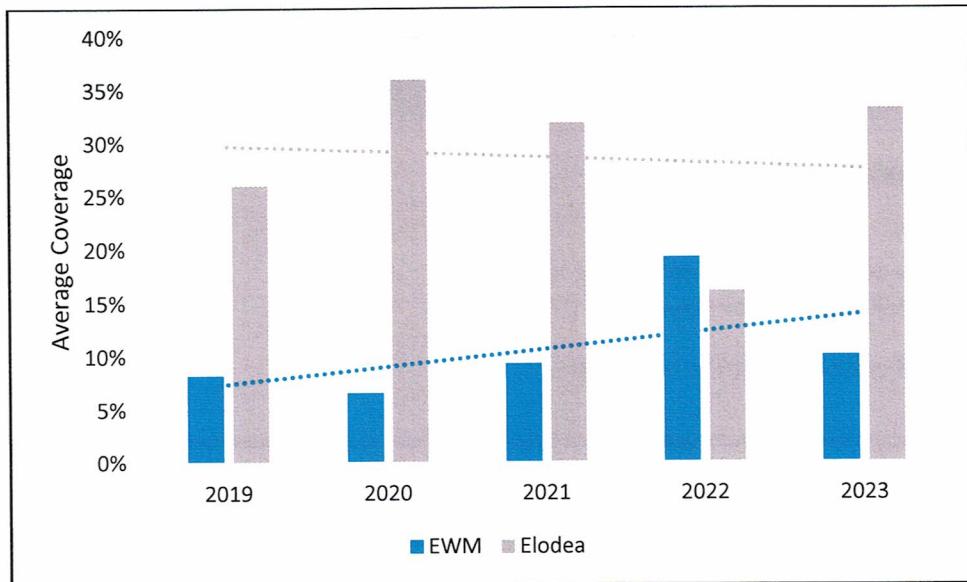


Figure 2 - Eurasian Watermilfoil (EWM) and Elodea coverage at Tamarack Lake over time.

Recommendations for future management:

- Continued LakeScan vegetation surveys and applicator coordination (\$8,000)
- Water quality sampling and phosphorus dynamics analysis (\$3,000)
- Elodea physical harvesting advising and coordination (\$3,000)
- Muck-digesting pellet effectiveness sampling and analysis program (\$5,000)

TAMARACK LAKE
LAKE IMPROVEMENT BOARD MEETING
October 18, 2023

4:00 P.M.

Lakeview Fire Barn

ATTENDANCE RECORD

Name

1. COLTON CEPPINK
2. PATRICK CARR
3. Steve Zulhish
4. Chris Spyros
5. Anne Gaylord- MCDC
6. Mike Foster
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____