

**MUSKELLUNGE LAKE**  
**LAKE IMPROVEMENT BOARD MEETING**  
**August 26, 2021**

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A meeting of the Muskellunge Lake, Lake Improvement Board was held at the Montcalm County Drain Commission, 211 W. Main Street, Stanton, Michigan on the 26th day of August 2021 at 4:00 P.M.

The meeting was called to order by Meg at 4:15 p.m.

PRESENT: Bob Pickel, Maple Valley Township Representative  
Meg McKnight, Deputy Drain Commissioner  
Harvey Stark, Abutting Property Owners Representative  
Todd Sattler, Drain Commissioner, 4:45 p.m.

ABSENT: Brandon Stowell, Board of Commissioners Representative

ALSO

PRESENT: Rick Butyen, Progressive AE  
Anne Gaylord, Drain Commission

A motion was made by Meg and seconded by Harvey to approve the agenda.  
Motion carried.

A motion was made by Harvey and seconded by Meg to approve the minutes from November 5, 2020 as presented. Motion carried.

**ELECTION OF OFFICERS**

Harvey Made a motion to elect Bob Pickel as chair. Bob asked if there was a conflict since he lets residents use his land to get water from Rainbow Lake. Meg advised that it was not.

A motion was made by Harvey and seconded by Meg to elect Bob Pickel as chair of the Muskellunge Lake Improvement Board. Motion carried

**OLD BUSINESS**

None

**NEW BUSINESS**

Weed Control Program

See treatment Journal. Rick provided an update on the lake. He said that it is likely there will be no more surveys this season. He advised that more Procellacore was used this year and it produced great results and he is expecting similar results next season. Harvey asked Rick's opinion on dumping Rainbow Lake water into Muskellunge once the drain is completed. Rick said that the water quality will change, but water is flowing a long way and growing through a lot of natural waterways before getting to Muskellunge and

EGLE would not have approved that route and course if it was unsafe for Muskelunge Lake. Rick stated that the contract with the service provider is on going and there is no need for approval.

#### Board Vacancy

Sandy Tiffany was suggested by the Lake Association to fill the vacancy on the board. Harvey has spoken with her, and she is interested in the seat. Todd advised that we will need a letter from the township showing their support for Tiffany. Tiffany will need to submit a letter of interest to Maple Valley Township first.

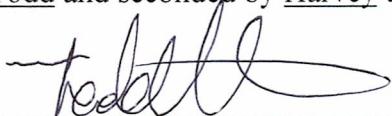
#### Financial Update

Todd provided a financial update to the board, including a current daily balance. Harvey noted that they are carrying a larger balance and he would like to lower the tax roll to spend some of the surplus down. Todd advised that it is a little early to roll back the tax roll quite yet. Bob agreed with Todd and Rick advised that chemical prices may go up and there should be a bit of contingency money in the budget for that. Bob and Harvey both agreed to keep the tax roll as is for now.

#### PUBLIC COMMENTS

None

There being no further business to come before the Lake Board, a motion was made by Todd and seconded by Harvey to adjourn the meeting at 5:05 p.m. Motion carried.



Todd Sattler, Secretary  
Muskelunge 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 Muskelunge Lake, Lake Improvement Board, Montcalm County, Michigan held on August 26, 2021 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](http://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 Muskelunge Lake, Lake Improvement Board.

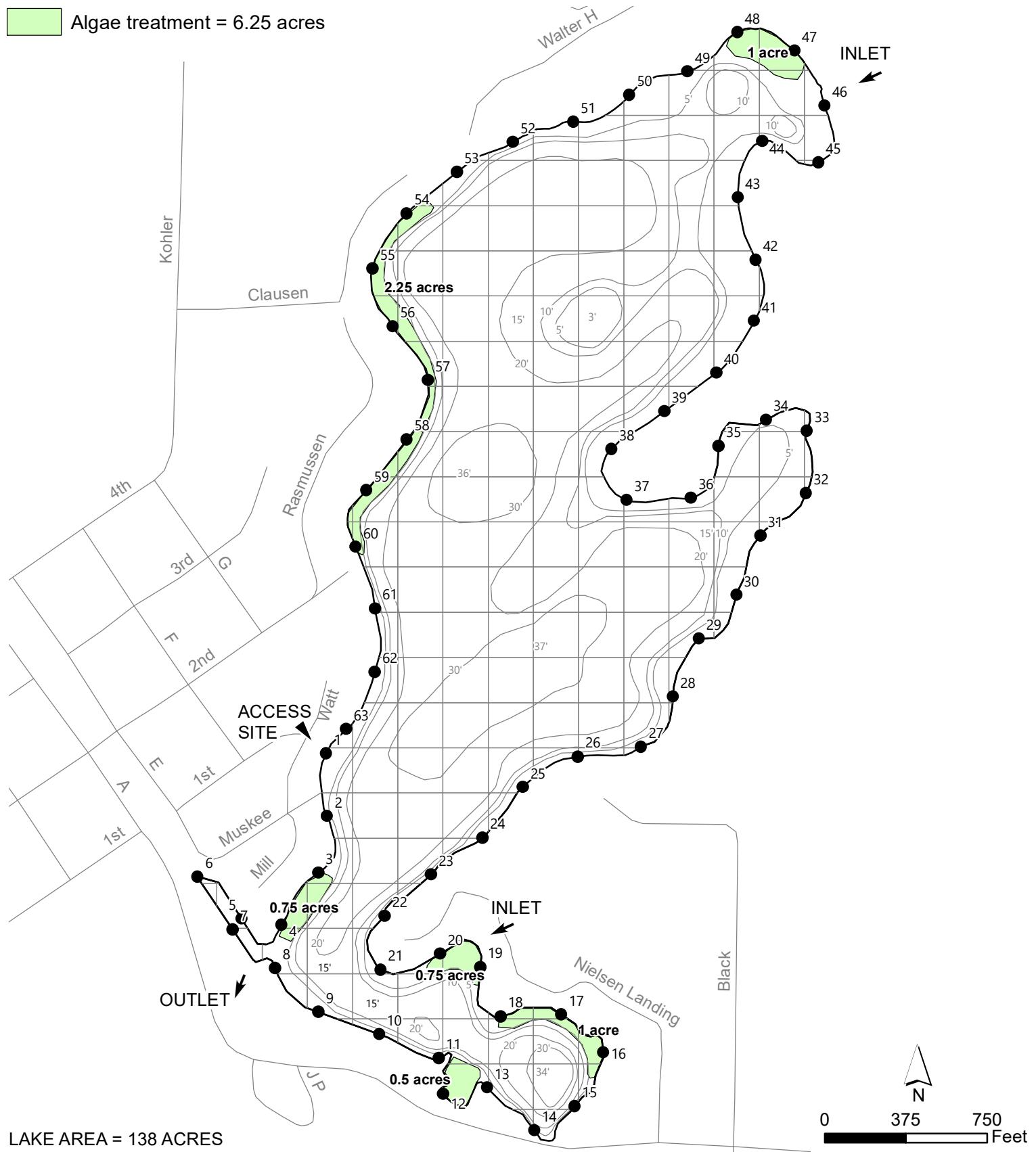


Todd R. Sattler  
Montcalm County Drain Commissioner

**MUSKELLUNGE LAKE  
MONTCALM COUNTY, MICHIGAN  
AUGUST 18, 2021 TREATMENT MAP**

## Treatment

Algae treatment = 6.25 acres



LAKE AREA = 138 ACRES  
REVISION DATE: JANUARY 2021

The applicator shall make adjustments, if needed, to comply with EGLE permit requirements.



A scale bar representing 750 feet. It consists of a thick black horizontal line with a total length of 750, divided into three segments: one segment of 375 and two segments of 375. To the right of the scale bar, the word "Feet" is written in black text.

progressive | ae

## Muskellunge Lake Finance Sheet 2018 - 2022

Monday, August 23, 2021

Date	Vendor	Description	Expenses	Revenue	Date
10/1/2017		Beginning Balance			\$ 12,322.59
2/1/2018	Progressive AE	Invoice # 166025 4th Quarter Lake Consultants	\$ 1,875.00		\$ 10,447.59
4/12/2018	State of Michigan	2018 Permit Application Fee	\$ 800.00		\$ 9,647.59
4/26/2018	Progressive AE	1st Quarter Lake Consultant	\$ 1,875.00		\$ 7,772.59
5/1/2018	Montcalm County Treasurer	2017 Tax Collection		\$ 25,100.00	\$ 32,872.59
7/19/2018	PLM Lake Management	Algae, Weed & Clipper Treatment	\$ 11,556.95		\$ 21,315.64
7/19/2018	Progressive AE	2nd Quarter Lake Consultant	\$ 1,875.00		\$ 19,440.64
8/23/2018	Montcalm County Treasurer	2018 Annual Administration - Lakes	\$ 1,000.00		\$ 18,440.64
8/23/2018	PLM Lake & Land Management	Algae, Weed & Clipper Treatments 7/19	\$ 2,218.94		\$ 16,221.70
10/4/2018	PLM Lake & Land Management	Weed Treatment 8/23	\$ 1,595.00		\$ 14,626.70
10/18/2018	Progressive AE	4th Quarter Lake Consulting Fee	\$ 1,875.00		\$ 12,751.70
11/15/2018	PLM Lake & Land Management	2018 Permit Application Fee	\$ 800.00		\$ 11,951.70
2/21/2019	PLM Lake & Land Management	2019 DEQ Permit Application Fee	\$ 800.00		\$ 11,151.70
2/28/2019	Progressive AE	1st Quarter Lake Consultant	\$ 1,875.00		\$ 9,276.70
4/18/2019	Progressive AE	2nd Quarter Lake Consulting Fee	\$ 1,875.00		\$ 7,401.70
5/30/2019	Montcalm County Treasurer	2018 Tax Collection		\$ 25,100.00	\$ 32,501.70
6/27/2019	PLM Lake & Land Management	Invoice #194895 Weed Treatment	\$ 798.86		\$ 31,702.84
7/11/2019	Progressive AE	3rd Quarter Lake Consulting Fee	\$ 1,875.00		\$ 29,827.84
7/25/2019	PLM Lake & Land Management	Invoice #195638 Weed Treatment	\$ 10,569.15		\$ 19,258.69
10/3/2019	PLM Lake & Land Management	Innvice #196886 Algae & Milfoil treatment	\$ 2,007.53		\$ 17,251.16
10/10/2019	Progressive AE	4th Quarter Lake Consulting Fee	\$ 1,875.00		\$ 15,376.16
1/17/2020	PLM Lake & Land Management	Reimbursement For Permit Application Fee	\$ 800.00		\$ 14,576.16
1/6/2020	Progressive AE	1st Quarter Lake Consultant	\$ 1,875.00		\$ 12,701.16
3/30/2020	Progressive AE	2nd Quarter Lake Consulting Fee	\$ 1,875.00		\$ 10,826.16
5/28/2020	PLM Lake & Land Management	Weed & Algae Treatment	\$ 2,978.96		\$ 7,847.20
5/31/2020	Montcalm County Treasurer	2019 Tax Collection		\$ 25,100.00	\$ 32,947.20
6/24/2020	PLM Lake & Land Management	Weed & Algae Treatment	\$ 9,562.94		\$ 23,384.26
7/2/2020	PLM Lake & Land Management	3rd Quarter Lake Consulting Fee	\$ 1,875.00		\$ 21,509.26
7/20/2020	PLM Lake & Land Management	Weed & Algae Treatment	\$ 452.21		\$ 21,057.05
8/27/2020	PLM Lake & Land Management	Weed Treatment	\$ 2,173.84		\$ 18,883.21
8/28/2020	Progressive AE	4th Quarter Lake Consulting Fee	\$ 1,875.00		\$ 17,008.21
9/11/2020	Spicer Group	Accounts Support	\$ 50.00		\$ 16,958.21
9/30/2020	Montcalm County Treasurer	Allocations	\$ 348.36		\$ 16,609.85
1/19/2021	Progressive AE	1st Quarter Lake Consultant	\$ 1,875.00		\$ 14,734.85
2/22/2021	State of Michigan	2021 Permit Fee	\$ 800.00		\$ 13,934.85
3/31/2021	Muskellunge Lake	Interest		\$ 67.61	\$ 14,002.46
4/8/2021	Progressive AE	2nd Quarter Lake Consulting Fee	\$ 1,875.00		\$ 12,127.46
4/30/2021	Montcalm County	2020 Delinquent Settlement		\$ 1,176.17	\$ 13,303.63
5/1/2021	Montcalm County	2020 Collected Settlement		\$ 23,923.83	\$ 37,227.46
6/24/2021	PLM Lake & Land Management	06/02/2021 Weed Treatment	\$ 5,087.10		\$ 32,140.36
7/6/2021	Progressive AE	3rd Quarter Lake Consulting Fee	\$ 1,875.00		\$ 30,265.36
7/27/2021	PLM Lake & Land Management	06/22/2021 Algae & Weed Treatment	\$ 1,659.81		\$ 28,605.55
8/27/2021	PLM Lake & Land Management	07/29/2021 Algae & Weed Treatment	\$ 2,836.98		\$ 25,768.57
Remaining Balance					\$ 25,768.57

**Project Work Journal**  
**Muskellunge Lake**

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2021

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Beginning Balance: \$16,000.00

Treatment Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance
7/29/2021	Algae control (filamentous and planktonic)		3.00 acre(s)		\$136.98	\$8,316.11
7/29/2021	Diquat dibromide @ 1 gal/acre + 4 PDU ProcellaCOR	Eurasian Milfoil	4.50 acre(s)		\$2,700.00	\$5,616.11
					<b>Invoice 3003267</b>	
					<b>Total</b>	<b>\$2,836.98</b>
						<b>\$5,616.11</b>

8/18/2021 Survey

MJM, RPB: Algae noted for treatment. Sparse milfoil found scattered, but not enough for treatment at this time.

Treatment Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance
8/24/2021	Algae control (filamentous and planktonic)		7.25 acre(s)		\$331.03	\$5,285.08
					<b>Work Order Total</b>	<b>\$331.03</b>
						<b>\$5,285.08</b>

**Project Work Journal**  
**Muskellunge Lake**

**2021****Beginning Balance: \$16,000.00**

Date	Type	Results				Remaining Balance
1/19/2021	Permit	2021 Permit Authorization				
Application Date	Type	Target Species	Qty	Dose Rate	Cost	
2/22/2021	Permit Fee		1.00 each		\$800.00	\$15,200.00
				Invoice 30001310	\$800.00	\$15,200.00
				Total		

5/24/2021	Survey	RCB, RPB, JML: Immense curly-leaf pondweed growth. Some milfoil in select areas.				Remaining Balance
Treatment Date	Type	Target Species	Qty	Dose Rate	Cost	
6/2/2021	Dipotassium salt of endothall for exotics		5.00 acre(s)		\$1,172.10	\$14,027.90
6/2/2021	Diquat dibromide @ 1 gal/acre	Curly-leaf Pondweed	11.75 acre(s)		\$2,115.00	\$11,912.90
6/2/2021	Diquat dibromide @ 1 gal/acre + 4 PDU ProcellaCOR	Eurasian Milfoil Curly-leaf Pondweed	3.00 acre(s)		\$1,800.00	\$10,112.90
		Eurasian Milfoil			Invoice 3002169	\$5,087.10
				Total		\$10,112.90

6/16/2021	Survey	MJM, RPB: Some new milfoil areas marked. Algae near inlet.				Remaining Balance
Treatment Date	Type	Target Species	Qty	Dose Rate	Cost	
6/22/2021	Algae control (filamentous and planktonic)		3.50 acre(s)		\$159.81	\$9,953.09
6/22/2021	Diquat dibromide @ 1 gal/acre + 4 PDU ProcellaCOR	Hybrid Milfoil	2.50 acre(s)		\$1,500.00	\$8,453.09
				Invoice 3002568	\$1,659.81	\$8,453.09
			Total			

7/20/2021 Survey MJM, RPB: Milfoil scattered along dropoff.

MUSKELLUNGE LAKE,  
LAKE IMPROVEMENT BOARD MEETING

August 26, 2021

4:00 P.M.

Drain Commissioner's Office

ATTENDANCE RECORD

	Name	Phone/email
1.	Bob Picker	616-302-1680
2.	Harry Stark	616-450-7106
3.	Rick	
4.	Meeg	
5.	Todd	
6.	Anne	
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9.		
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11.		
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13.		
14.		
15.		