

# CLIFFORD LAKE

## LAKE IMPROVEMENT BOARD

### MEETING

September 8, 2021

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A meeting of the Clifford Lake, Lake Improvement Board was held at the Montcalm County Drain Commission, 211 W. Main Street, Stanton, Michigan on the 8<sup>th</sup> day of July 2021 at 4:00 P.M.

The meeting was called to order by Chairman Koepke at 4:05 p.m.

PRESENT: Tom Koepke, Chairperson  
Abutting Property Owner

Larry Deuel, Member  
Douglas Township Representative

Michon Weisen, Member  
Douglas Township Representative

ABSENT: Adam Petersen, Member  
Montcalm County Board of Commissioners

Todd Sattler, Secretary  
Montcalm County Drain Commissioner

### ALSO

PRESENT: John & Katie Otto, Property Owner  
Rick Buteyn, Progressive AE  
Anne Gaylord, Drain Commission  
Meg McKnight, Drain Commission

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

A motion was made by Meg and seconded by Michon to approve the minutes from July 14, 2021, as presented. Motion carried.

### PUBLIC COMMENTS.

None

### OLD BUSINESS.

None

### NEW BUSINESS.

## Weed Control Program

Rick gave a quick recap on the treatment season to the board. He advised that we came in \$1,300.00 under budget since more contact chemicals were used than normal, which brought the total cost down. Plants responded to the treatments as expected. Since the board decided to go ahead with the sonar treatment for next season, Rick advised that the sonar does not work on Starry Stonewort, and they cannot treat nuisance native plants in sonar years because of permitting issues. Rick also advised that the chemical manufacturers will be raising prices next year, so that will need to be worked into the budget plan.

## Weed Control Budget

Rick provided a proposed 5-year budget plan for Clifford Lake. He believes it would be best to increase the budget to \$30,000 a year to cover any increase in chemical prices.

## Financial Planning

The board discussed financial plans for the next five years. John pointed out that the lake can afford the sonar treatment for next season, but that will cut the lake a little short for 2023 and some bills may have to be held until the next settlement comes in so it may be beneficial to build in a bit of a surplus. The board also advised the drain office that there have been some property changes since the last tax roll, so that would need to be reviewed to ensure that all residents are taxed properly. Tom requested a copy of the tax roll once it has been reviewed for new houses, splits, and combinations.

A motion was made by Larry and seconded by Michon to allow the drain office to make any necessary adjustments to the tax roll to account for any changes in property class or ownership. Motion carried.

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



Todd Sattler, Secretary  
Clifford 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 Clifford Lake, Lake Improvement Board, Montcalm County, Michigan held on September 8, 2021, and that said minutes are on file in the office of the Montcalm County Drain Commissioner and posted on the county website at montcalm.org 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 Clifford Lake, Lake Improvement Board.



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Todd Sattler  
Montcalm County Drain Commissioner

## Clifford Lake Finance Sheet 2018 - 2022

Thursday, August 12, 2021

Date	Vendor	Description	Expenses	Revenue	Balance
10/1/2016		Beginning Balance			\$ 20,360.58
10/20/2016	Progressive Architects Engineers PL	Clifford Lk Svcs - 9/30/16	\$ 3,750.00		\$ 16,610.58
1/12/2017	Montcalm County Treasurer	Annual Lake Admin Fees	\$ 1,000.00		\$ 15,610.58
1/26/2017	Progressive Architects Engineers PL	Qtrly Svcs - December; Clifford Lk	\$ 1,750.00		\$ 13,860.58
3/9/2017	PLM Lake & Land Management	Clifford Lk 2017 Permit App Fee	\$ 575.00		\$ 13,285.58
4/27/2017	Progressive Architects Engineers PL	Clifford Lk Qtrly Svcs - 3/31/17	\$ 1,750.00		\$ 11,535.58
5/31/2017	Montcalm County Treasurer	2016 Settlement		\$ 19,500.00	\$ 31,035.58
7/20/2017	PLM Lake & Land Management	Clifford Lake Weed Treatment	\$ 8,262.00		\$ 22,773.58
7/20/2017	Progressive Architects Engineers PL	Clifford Lake 2 Qtr Svcs	\$ 1,750.00		\$ 21,023.58
7/27/2017	PLM Lake & Land Management	Clifford Lk; Algae, Lily Pad & Weed Treatment	\$ 4,020.30		\$ 17,003.28
9/14/2017	Montcalm County Treasurer	Annual Lake Admin Funds 17	\$ 1,000.00		\$ 16,003.28
9/28/2017	Stafford Communications Group	Acct: P0185751; Aug	\$ 435.29		\$ 15,567.99
10/19/2017	PLM Lake & Land Management	9/21/2017 Lily Pad Treatment	\$ 2,430.00		\$ 13,137.99
11/9/2017	The Michigan Riparian	Lake Association Subscription	\$ 56.00		\$ 13,081.99
11/9/2017	Progressive Architects Engineers PL	Clifford Lk 3rd Qtr Svcs	\$ 1,750.00		\$ 11,331.99
11/17/2017	Stafford Media	ACCT: P0185751; SEPT' 18	\$ 354.18		\$ 10,977.81
11/16/2017	United States Postal Service	Postage Stamps 11/14	\$ 90.65		\$ 10,887.16
2/1/2018	Progressive AE	4th Quarter Lake Consultant	\$ 2,250.00		\$ 8,637.16
3/8/2018	PLM Lake & Land Management	DEQ Permit Fee	\$ 800.00		\$ 7,837.16
4/26/2018	Progressive AE	2nd Quarter Lake Consultant	\$ 2,250.00		\$ 5,587.16
5/31/2018	Montcalm County Treasurer	2017 Settlement		\$ 22,500.00	\$ 28,087.16
7/12/2018	PLM Lake & Land Management	Invoice 189941 Algae & Weed Treatments 5/31	\$ 6,435.00		\$ 21,652.16
7/19/2018	Progressive AE	Invoice #168437 2nd Quarter Lake Consultant	\$ 2,250.00		\$ 19,402.16
8/16/2018	PLM Lake & Land Management	Invoice #191070 Weed & Algae Treatment 7/10	\$ 1,900.25		\$ 17,501.91
8/23/2018	County of Montcalm	Invoice #18-027 Annual Administration	\$ 1,000.00		\$ 16,501.91
9/11/2018	PLM Lake & Land Management	Invoice # 191592 Lily Pad Treatment 7/24	\$ 1,567.50		\$ 14,934.41
9/11/2018	PLM Lake & Land Management	Invoice # 191970 Lily Pad Treatment 8/6	\$ 495.00		\$ 14,439.41
09/13/18	PLM Lake & Land Management	Clipper Treatment 8/15	\$ 467.50		\$ 13,971.91
10/18/2018	Progressive AE	3rd Quarter Lake Consultant	\$ 2,250.00		\$ 11,721.91
11/29/18	The Michigan Riparian	Renewal Subscription	\$ 56.00		\$ 11,665.91
02/28/19	Progressive AE	4th Quarter Lake Consultant	\$ 2,250.00		\$ 9,415.91
03/21/19	MDEQ	2019 DEQ PERMIT APPLICATION FEE/HNM-Q8V7-BB3JO CLIFFORD LAKE	\$ 800.00		\$ 8,615.91
04/18/19	Progressive AE	2nd Quarter Lake Consultant	\$ 2,250.00		\$ 6,365.91
6/3/2019	TREASURERS OFFICE	2018 Settlement		\$ 22,500.00	\$ 28,865.91
6/20/2019	PLM Lake & Land Management	Weed Treatment	\$ 9,974.58		\$ 18,891.33
7/11/2019	Progressive AE	3rd Quarter Lake Consultant	\$ 2,250.00		\$ 16,641.33
9/10/2019	PLM Lake & Land Management	TREATMENT WITH DIQUAT, CLIPPER W/AQUATHOL K	\$ 2,780.20		\$ 13,861.13
9/19/2019	Larry Deuel	Invoice #19-030 Reimbursement for water samples	\$ 190.00		\$ 13,671.13
10/10/2019	Progressive AE	4th Quarter Lake Consultant	\$ 2,250.00		\$ 11,421.13
1/30/2020	PLM Lake & Land Management	REIMBURSEMENT FOR PERMIT APPLICATION FEE	\$ 800.00		\$ 10,621.13
1/30/2020	Progressive AE	1st Quarter Lake Consultant	\$ 2,250.00		\$ 8,371.13
5/31/2020	Montcalm County Treasurer	2019 Settlement		\$ 22,500.00	\$ 30,871.13
6/18/2020	MLSA	MEMBERSHIP MLSA AND SUBSCRIPTION TO RIPARIAN	\$ 156.00		\$ 30,715.13
7/2/2020	PLM Lake & Land Management	Weed Treatment 6/4/20	\$ 10,602.90		\$ 20,112.23
7/16/2020	Progressive AE	3rd Quarter Lake Consultant	\$ 1,750.00		\$ 18,362.23
9/17/2020	PLM Lake & Land Management	Weed Treatment 8/13/20	\$ 504.90		\$ 17,857.33
10/15/2020	Progressive AE	4th Quarter Lake Consultant	\$ 2,000.00		\$ 15,857.33
10/29/2020	SPICER GROUP	Account Support	\$ 50.00		\$ 15,807.33
1/21/2021	Progressive AE	1st Quarter Lake Consultant	\$ 2,000.00		\$ 13,807.33
3/11/2021	STATE OF MICHIGAN	2021 Permit Fee	\$ 800.00		\$ 13,007.33
4/8/2021	Progressive AE	2nd Quarter Lake Consultant	\$ 2,000.00		\$ 11,007.33
9/30/2020	Clifford Lake	Interest		\$ 45.12	\$ 11,052.45
9/30/2020	Montcalm County	Allocations	\$ 348.36		\$ 10,704.09
4/30/2021	Montcalm County	2020 Delinquent Settlement		\$ 1,794.68	\$ 12,498.77
5/1/2021	Montcalm County	2020 Collected Settlement		\$ 20,705.32	\$ 33,204.09
6/24/2021	PLM Lake & Land Management	6/2/2021 Algae & Weed Treatment	\$ 9,939.00		\$ 23,265.09
7/6/2021	Progressive Architects Engineers PL (385)	3rd Quarter Lake Consulting Fees	\$ 2,000.00		\$ 21,265.09
7/13/2021	PLM Lake & Land Management	7/1/2021 Algae Treatment	\$ 375.00		\$ 20,890.09
8/12/2021	PLM Lake & Land Management	07/20/2021 Chara/Starry Stonewart Treatment	\$ 50.00		\$ 20,840.09
		Remaining Balance			\$ 20,840.09

**Project Work Journal**  
**Clifford Lake**

**2021****Beginning Balance: \$12,500.00**

Date	Type	Results
1/19/2021	Permit	2021 Permit Authorization

Application Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance
2/22/2021	Permit Fee		1.00 each		\$800.00	\$11,700.00
				<b>Invoice 30001315</b>	<b>\$800.00</b>	<b>\$11,700.00</b>
				<b>Total</b>		

5/24/2021 Survey RPB, JML, RCB: Significant milfoil and curly-leaf growth.

Treatment Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance
6/2/2021	Algae control (filamentous and planktonic)		1.00 acre(s)		\$44.00	\$11,656.00
6/2/2021	Flumioxazin	Eurasian Milfoil	1.00 acre(s)	200.00 ppb	\$595.00	\$11,061.00
6/2/2021	Diquat dibromide @ 1 gal/acre	Curly-leaf Pondweed	23.25 acre(s)		\$3,720.00	\$7,341.00
6/2/2021	Diquat dibromide @ 1 gal/acre + 4 PDU ProcellaCOR	Eurasian Milfoil				
		Curly-leaf Pondweed	9.00 acre(s)		\$5,580.00	\$1,761.00
		Eurasian Milfoil				
				<b>Invoice 3002143</b>	<b>\$9,939.00</b>	<b>\$1,761.00</b>
				<b>Total</b>		

6/16/2021 Survey MJM, RPB: Starry stonewort found at launch site. Milfoil treatment areas had browned and bent plants.

Treatment Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance
7/1/2021	SeClear G	Starry Stonewort	1.00 acre(s)	50.00 lbs/acre	\$375.00	\$1,386.00
				<b>Invoice 3002735</b>	<b>\$375.00</b>	<b>\$1,386.00</b>
				<b>Total</b>		

7/14/2021 Survey RCB, JML: Scattered milfoil found in pockets around the lake. Starry stonewort noted for treatment.

Treatment Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance
7/20/2021	Macro-algae control: copper products only	Starry Stonewort	1.00 acre(s)		\$50.00	\$1,336.00
				<b>Invoice 3003059</b>	<b>\$50.00</b>	<b>\$1,336.00</b>
				<b>Total</b>		

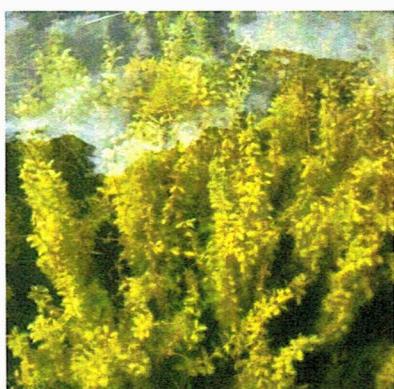
8/11/2021      Survey

RCB, KEK: AVAS survey

CLIFFORD LAKE AQUATIC PLANT CONTROL PROGRAM  
 PROPOSED ANNUAL BUDGET  
 2023 – 2027

Improvement	Annual Cost
Aquatic Plant Control	\$20,000
Aquatic Plant Control Coordination/Field Evaluations	\$7,000
Administration and Contingency	<u>\$3,000</u>
<b>TOTAL</b>	<b>\$30,000</b>

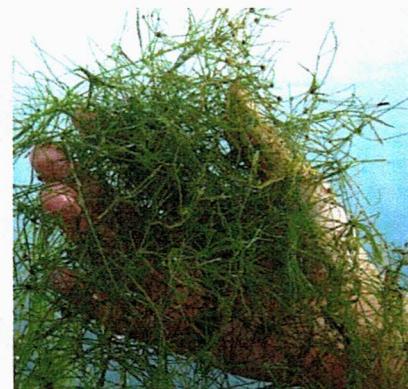
The Clifford Lake aquatic plant control program will focus on the control of exotic, invasive plants in Clifford Lake with the select use of herbicides. Plant species of primary concern include Eurasian milfoil, curly-leaf pondweed and starry stonewort. The amount of herbicide use in any given year will depend on the type and distribution of aquatic plants and Department of Environment, Great Lakes, and Energy permit conditions.



Eurasian milfoil



Curly-leaf pondweed



Starry stonewort

Plant control activities are proposed to be coordinated under the direction of the lake board's environmental consultant. The consultant would be responsible for preparing bid documents or contract extensions for the plant control program, assisting the lake board with the selection of the plant control contractors, conducting surveys of the lake to determine the scope of work to be performed by plant control contractors, and performing follow-up inspections to ensure work is performed in a satisfactory manner. The consultant would report to the lake board regarding the performance of the plant control contractors and would make recommendations to the lake board regarding payments to the contractors.

Project administration would include all costs related to meetings, postage, copies, mailings, notices, and legal proceedings. In accordance with Part 309 of the Natural Resources and Environmental Protection Act, Act 451 of 1994, a lake board may add not less than 10% or more than 15% of the total project cost for contingent expenses.

CLIFFORD LAKE,  
LAKE IMPROVEMENT BOARD MEETING  
September 8, 2021

4:00 P.M.

Drain Commissioner's Office

ATTENDANCE RECORD

1. Thomas Koepske
2. Rich Butryn
3. John Otto
4. Katie Otto
5. Michael Wien
6. MEG MCKNIGHT
7. Larry Deesel
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