

RAINBOW AND MIDDLE LAKES

LAKE IMPROVEMENT BOARD MEETING

September 20, 2023

A meeting of the Rainbow and Middle Lakes, Lake Improvement Board was held at the Montcalm County Drain Commission, 211 W. Main Street, Stanton, Michigan on the 20th day of September 2023 at 3:00 P.M.

The meeting was called to order by Doug at 3:00 p.m.

PRESENT: Doug Smith – Chairperson
Pat Carr – Board of Commissioner’s Representative
Don Cichon – Pine Township Representative
Bill Cretens – Abutting Property Owner’s Representative

ABSENT: Todd Sattler – Treasurer/Drain Commissioner

ALSO

PRESENT: Mark Harrison – Clearwater Lake Management
Anne Gaylord - MCDC

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

A motion was made by Don and seconded by Bill to approve the minutes from July 22, 2023, as presented. Motion carried.

Public Comment

Don noted that Addy Dutton from the DNR fisheries was out when the lake was being treated and she was concerned about the amount of chemicals they were adding into the lake.

Treatment Update

Mark said that Middle Lake was treated on 8/2 for lily pads and along the shoreline. Middle Lake looks fantastic, very little Chara this season. Rainbow Lake was treated on 8/1. It also looks fantastic and has very little Milfoil. He did not charge for the full treatment completed on 8/1, but completed the treatment to keep the weeds down because he was concerned with how hot the summer had been. Doug wanted to confirm that Mark will be completing the May treatment a few more days before Memorial Day next year. Mark said yes and added again that the 24-hour swim warning is not for swimmer’s safety, but to give the chemicals time to work.

Financial Update

Anne provided a financial update to the Board, including a current balance of \$12,950.79.

Other Business

Anne noted that the Contract with Clearwater is expiring and needs to be renewed. Pat asked what length of Contract is usually signed and what the rate increase is. Mark said it is an increase of 10-15%. Pat noted that a 10-15% increase seems standard to keep up with inflation. Don asked if he could ride along or get an update on what was targeted after each treatment. Mark said that he can update Don on what was treated. Don asked about goose roundups on Lake Improvement Boards. Anne advised that it would have needed to be added at the public hearing. She also added that most lake residents handle it on their own through nest destruction or shaking the eggs to ensure they don't hatch. The meeting is scheduled for May 30, 2024, at 4:00 pm.

A motion was made by Pat and seconded by Bill to sign a 5-year contract with Clearwater Lake Management for aquatic weed control.

Motion Carried.

There being no further business to come before the Lake Board, a motion was made by Pat and seconded by Don to adjourn the meeting at 3:22 p.m. Motion carried.



Todd Sattler, Secretary
Rainbow and Middle Lakes, 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 Rainbow and Middle Lakes, Lake Improvement Board, Montcalm County, Michigan held on September 20, 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 Rainbow and Middle Lakes, Lake Improvement Board.



Todd R. Sattler
Montcalm County Drain Commissioner

Rainbow & Middle Lakes Finance Sheet 2019 - 2023 (84010)

Wednesday, September 20, 2023

Date	Vendor	Description	Check Numbers	Expenses	Revenue	Balance
10/1/2018		Beginning Balance				\$ 30,470.69
5/21/2019	Clearwater Lake Management Inc	TREATMENT MIDDLE LAKE	145735	\$ 2,150.00		\$ 28,320.69
5/31/2019	MONTCALM COUNTY TREASURER	2018 TAX COLLECTION			\$ 35,000.00	\$ 63,320.69
6/6/2019	Clearwater Lake Management Inc	INVOICE # 1261 WEED TREATMENT RAINBOW LAKE	146175	\$ 11,350.00		\$ 51,970.69
7/3/2019	Clearwater Lake Management Inc	INVOICE #1328 WEED TREATMENT RAINBOW LAKE	146773	\$ 10,900.00		\$ 41,070.69
7/11/2019	Clearwater Lake Management Inc	INVOICE #1330 WEED TREATMENT & WATER TEST	146820	\$ 2,235.00		\$ 38,835.69
8/8/2019	Clearwater Lake Management Inc	INVOICE #1384 ALGAE & INVASIVE WEED CONTROL	147284	\$ 1,225.00		\$ 37,610.69
8/15/2019	Clearwater Lake Management Inc	INVOICE #1390 16 AC SYSTEMIC TREATMENT RAINBOW LAKE	147618	\$ 6,000.00		\$ 31,610.69
10/3/2019	Clearwater Lake Management Inc	Invoice #1439 Lily Pad treatment Middle Lake	148648	\$ 500.00		\$ 31,110.69
1/16/2020	State of Michigan	Invoice #2558 Permit fee for Rainbow	150934	\$ 800.00		\$ 30,310.69
1/16/2020	State of Michigan	Invoice 2558-1 Permit fee for Middle	150935	\$ 400.00		\$ 29,910.69
5/31/2020	MONTCALM COUNTY TREASURER	2019 Settlement			\$ 35,000.00	\$ 64,910.69
6/4/2020	Clearwater Lake Management Inc	ALGAE / WEED / SYSTEMIC TREATMENT RAINBOW	153385	\$ 8,200.00		\$ 56,710.69
6/4/2020	Clearwater Lake Management Inc	ALGAE / WEED TREATMENT MIDDLE	153385	\$ 2,050.00		\$ 54,660.69
6/25/2020	Clearwater Lake Management Inc	ALGAE & WEED TREATMENT RAINBOW LAKE	153758	\$ 9,480.00		\$ 45,180.69
7/16/2020	Daily News	Publication	154042	\$ 215.40		\$ 44,965.29
7/22/2020	Clearwater Lake Management Inc	WEED TREATMENT FOR MIDDLE LAKE & WATER SA	154113	\$ 1,235.00		\$ 43,730.29
7/22/2020	Clearwater Lake Management Inc	WEED TREATMENT FOR MIDDLE LAKE & WATER SA	154113	\$ 300.00		\$ 43,430.29
7/30/2020	Clearwater Lake Management Inc	MIDDLE LAKE WEED TREATMENT	154326	\$ 1,085.00		\$ 42,345.29
8/13/2020	Clearwater Lake Management Inc	RAINBOW LAKE WEED TREATMENT	154542	\$ 5,890.00		\$ 36,455.29
9/30/2020	Montcalm County	Allocations		\$ 348.36		\$ 36,106.93
1/28/2021	STATE OF MICHIGAN	EGLE PERMIT FEE MIDDLE LAKE	157500	\$ 400.00		\$ 35,706.93
10/29/2020	SPICER GROUP	ACCOUNTS SUPPORT	156014	\$ 50.00		\$ 35,656.93
1/28/2021	STATE OF MICHIGAN	EGLE PERMIT FEE RAINBOW LAKE	157499	\$ 800.00		\$ 34,856.93
3/31/2021	Rainbow & Middle Lakes	Interest		\$ 84.96		\$ 34,941.89
4/30/2021	Montcalm County	2020 Delinquent Settlement		\$ 2,709.74		\$ 37,651.63
5/1/2021	Montcalm County	2020 Collected Settlement			\$ 32,290.26	\$ 69,941.89
5/18/2021	Clearwater Lake Management Inc	Algae & Weed Treatment Middle Lake	159395	\$ 2,420.00		\$ 67,521.89
5/25/2021	Clearwater Lake Management Inc	Algae & Weed Treatment Rainbow Lake	159573	\$ 12,005.00		\$ 55,516.89
6/17/2021	Clearwater Lake Management Inc	Algae & Weed Treatment Middle Lake	159916	\$ 1,525.00		\$ 53,991.89
8/5/2021	Clearwater Lake Management Inc	Algae & Weed Treatment Rainbow Lake	160820	\$ 5,945.00		\$ 48,046.89
8/5/2021	Clearwater Lake Management Inc	Algae & Weed Treatment Middle Lake	160820	\$ 1,015.00		\$ 47,031.89
8/19/2021	Clearwater Lake Management Inc	Algae & Weed Treatment Rainbow Lake	161082	\$ 8,700.00		\$ 38,331.89
12/9/2021	Fahey, Schultz Burzych Rhodes PLC	Legal	163179	\$ 133.00		\$ 38,198.89
2/10/2022	Clearwater Lake Management Inc	2022 EGLE Permit Fee - Rainbow Lake	164285	\$ 875.00		\$ 37,323.89
2/10/2022	Clearwater Lake Management Inc	2022 EGLE Permit Fee - Middle Lake	164285	\$ 450.00		\$ 36,873.89
5/23/2022	Montcalm County	2021 Collected Settlement			\$ 32,465.16	\$ 69,339.05
5/23/2022	Montcalm County	2021 Delinquent Settlement			\$ 2,534.84	\$ 71,873.89
5/26/2022	Clearwater Lake Management Inc	Algae & Weed Treatment Middle Lake	166653	\$ 2,790.00		\$ 69,083.89
6/9/2022	Clearwater Lake Management Inc	Algae & Weed Treatment Rainbow Lake	166922	\$ 9,810.00		\$ 59,273.89
6/23/2022	Clearwater Lake Management Inc	Algae & Weed Treatment Middle Lake	167118	\$ 1,680.00		\$ 57,593.89
7/7/2022	Clearwater Lake Management Inc	Algae & Weed Treatment Rainbow Lake	167378	\$ 28,685.00		\$ 28,908.89
7/7/2022	SPICER GROUP	ACCOUNTS SUPPORT	167408	\$ 32.80		\$ 28,876.09
7/7/2022	SPICER GROUP	ACCOUNTS SUPPORT	167408	\$ 41.75		\$ 28,834.34
8/4/2022	Clearwater Lake Management Inc	07/28/2022 Weed & Algae Treatment Middle Lake	167869	\$ 2,695.00		\$ 26,139.34
8/11/2022	Clearwater Lake Management Inc	07/28/2022 Weed & Algae Treatment Rainbow Lake	168121	\$ 8,660.00		\$ 17,479.34
9/22/2022	Clearwater Lake Management Inc	Emergent Treatment Middle Lake	168853	\$ 1,150.00		\$ 16,329.34
1/31/2023	Huntington Bank	Interest Income			\$ 36.75	\$ 16,366.09
2/28/2023	Huntington Bank	Interest Income			\$ 61.72	\$ 16,427.81
3/31/2023	Huntington Bank	Interest Income			\$ 48.32	\$ 16,476.13
3/14/2023	State of Michigan	2023 Permit Fee - Rainbow Lake	172556	\$ 875.00		\$ 15,601.13
3/14/2023	State of Michigan	2023 Permit Fee - Middle Lake	172556	\$ 450.00		\$ 15,151.13
4/30/2023	Huntington Bank	Interest Income			\$ 47.75	\$ 15,198.88
5/2/2023	Montcalm County	2022 Delinquent Settlement			\$ 3,299.11	\$ 18,497.99
5/8/2023	Montcalm County	2022 Collected Settlement			\$ 31,700.89	\$ 50,198.88
5/31/2023	Huntington Bank	Interest Income			\$ 147.19	\$ 50,346.07
6/8/2023	Clearwater Lake Management Inc	Weed & Algae Treatment Middle Lake	174257	\$ 2,790.00		\$ 47,556.07
6/8/2023	Clearwater Lake Management Inc	Weed & Algae Treatment Rainbow Lake	174257	\$ 10,395.00		\$ 37,161.07
6/15/2023	Clearwater Lake Management Inc	Weed & Algae Treatment/ E.coli Testing Middle Lake	174598	\$ 2,125.00		\$ 35,036.07
6/30/2023	Huntington Bank	Interest Income			\$ 113.48	\$ 35,149.55
7/3/2023	Clearwater Lake Management Inc	Weed & Algae Treatment Rainbow Lake	174911	\$ 10,635.00		\$ 24,514.55
7/27/2023	Montcalm County	Resident Notification Costs	175416	\$ 17.90		\$ 24,496.65
7/31/2023	Spicer Group	Research and Mapping		\$ 1,457.50		\$ 23,039.15
7/31/2023	Huntington Bank	Interest Income			\$ 80.62	\$ 23,119.77
8/10/2023	View Newspaper Group	Notice and Resolution Publication	7 175525	\$ 788.80		\$ 22,330.97
8/10/2023	Clearwater Lake Management Inc	Weed & Algae Treatment Rainbow Lake - Middle	175498	\$ 5,610.00		\$ 16,720.97
8/10/2023	Clearwater Lake Management Inc	Weed & Algae Treatment Rainbow Lake	175498	\$ 3,700.00		\$ 13,020.97

8/10/2023	United States Postal Service	Postage	175523	\$ 112.77	\$ 12,908.20
8/31/2023	Huntington Bank	Interest Income		\$ 42.59	\$ 12,950.79
		Remaining Balance			\$ 12,950.79

**RAINBOW/MIDDLE LAKE
LAKE IMPROVEMENT BOARD
MEETING**

**September 20, 2023
3:00 P.M.**

MONTCALM COUNTY DRAIN COMMISSION
211 W. Main Street
Stanton, Michigan

Agenda

- Call to Order
- Approval of Agenda
- Approval of Minutes
 - July 22, 2023 – Public Hearing
- Public Comments
- Weed Control Program
- Financial Update
- Other Business
- Adjourn

Contract

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

Board Members:

Todd Sattler, Secretary/Treasurer, Montcalm County Drain Commissioner
Bill Cretens, Abutting Property Owners Representative
Doug Smith, Chair
Pat Carr, Board of Commissioners Representative
Don Cichon, Pine Township Representative

RAINBOW & MIDDLE LAKES

LAKE IMPROVEMENT BOARD MEETING

September 20, 2023

3:00 PM

Drain Commissioner's Office

ATTENDANCE RECORD

Name

1. Doug Smith
2. Bill Caeteaus
3. Mark Harrison - Clear Water Lake Mgt.
4. Don Crichton
5. PATRICK CARR
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____



**CLEAR WATER LAKE MANAGEMENT, INC. of P.O. Box 842, Rockford, Michigan
49341 and Rainbow/Middle Lake Board of Montcalm County, Michigan agree:**

Clear Water Lake Management will provide a professional aquatic program for the control of weeds and/or algae in **Rainbow/Middle Lake**. The program will consist of the following:

Management program for 2024:

Products to be used include restrictive herbicides such as Diquat, Aquathol K, Hydrothol 191, 2,4-D, Clipper, Triclopyr and Glyphosate, as well as nonrestrictive products such as Copper Sulfate, Cutrine Plus, Cutrine Ultra, EarthTec, Greenclean, Pond Dye, Muck Pellets, among other products approved by the MDEQ. Algae treatments should occur monthly to prevent existing growth and prevent re-growth. Surrounding conditions (i.e. sunlight, temperature, nutrient concentration, etc...) may require additional treatments.

Cost per Acre:

Navigate: Granular systemic 2,4-D herbicide to control Eurasian Watermilfoil	\$ 575.00
Triclopyr: Liquid systemic herbicide to control EWM	\$ 395.00
Diquat: Liquid herbicide to control EWM, Curlyleaf, and Pondweeds	\$ 220.00
Aquathol K-Hydrothol 191: Liquid herbicide to control Pondweeds	\$ 205.00
Algaecides: Granular products to control Chara	\$ 65.00
Algaecides: Granular and liquid products to control algae	\$ 50.00
ProcellaCOR	\$ 110.00/PDU
Water Quality Program (optional):	\$ 50.00/sample
Lily Pad Control	\$ 75.00 /lot

Description and Optional Services:

Weed Treatment: Milfoil, Curly-leaf, Coon-tail, Chara, and various pondweed treatments applying restrictive products such as granular Navigate (2,4-D), Aquathol K, Hydrothol 191, Reward, Renovate, Komeen, Glyphosate, and Cygnet Plus.

Algae treatment: Non-water restrictive algaecides such as Copper Sulfate, Curtain-Plus, Cutrine Ultra, Chelated Copper, Earthtech, Greenclean, and shade as a tracer. Treatments should occur monthly to prevent existing growth and prevent re-growth. Surrounding conditions (i.e. sunlight, temperature, nutrient concentration, etc...) may require additional treatments.

Muck/Enzyme Treatment: Designed to decrease levels of organic sediment in lakes and ponds while reducing odors and improving water clarity. The pellets sink quickly, targeting 'muck' on the bottom. Mukk Busster does not contain pathogenic bacteria and it is fish and wildlife friendly. Contains 3 billion CFU/gram (Colony-forming units).

Water Quality Program: Water quality program consists of lake samples taken and sent to an independent laboratory (Prein & Newhof). The samples can be tested for a variety of things including; fecal bacteria (E. coli), dissolved oxygen, conductivity, total dissolved solids, pH and alkalinity. Primarily E. coli is the focus.



- Specific treatment dates will be set by Clear Water Lake Management, in cooperation with Rainbow/Middle Lake Board Rep.
- Please be aware Clear Water Lake Management can only treat weeds and algae present at the time of treatment. We have no control over future weed or algae growth based on the current chemicals registered for aquatic use in Michigan.
- Unless otherwise stated in the program, all other aquatic pest control will require a separate program (i.e. cattails, duckweed, largeleaf pondweed, lily pads, purple loosestrife, watermeal, etc...)

Posting & Notifications of Treatment Areas:

Clear Water Lake Management will obtain the DEQ permit and post restriction signs as required. It is your association's/group's responsibility to notify each resident within one hundred (100) feet of the treatment area at least seven (7) days in advance of the first treatment that chemicals will be applied. This notification requirement must be provided to every property owner who has consented to have their property treated. Lake boards and townships who assess the lake property owners are exempt from individual consent documentation. The property owner is responsible for removing any restriction signs ten (10) days after the conclusion of water use restrictions.

Insurance & Liability:

Clear Water Lake Management is responsible for carrying liability insurance and workman's comp for duration of the contract. Clear Water Lake Management is not responsible for fish loss due to low oxygen levels caused by warm water conditions. Certificates of insurance will be provided upon request.

Permits:

Clear Water Lake Management is responsible for completing and submitting the ANC Permit applications to the MDEQ, if necessary. Please make the check payable to the "State of Michigan" and mail to our office with your signed contract. Please notify our office of any inlets or outlets or if the waterbody is being used for irrigation, swimming, bathing and/or livestock watering.

Invoicing & Payments:

Clear Water Lake Management will submit an invoice following treatment. Payment in full is due within ten (10) days of each application. Any amount remaining unpaid when due shall accrue a penalty of 1.5% per month.

Contract Period:

As an incentive to establish a multiple year agreement we will treat your lake or pond at the same price structure as 2024 for 2025! The remaining year (2026-28) will subject to cost increases of three percent per year or less. If total chemical costs exceeds 10% from the previous year a new agreement will have to be mutually acceptable. If during the life of the contract the DNR or other regulatory agencies significantly change the approved treatment procedures or the client finds the manner in which the work is performed less than satisfactory, either party may terminate this agreement upon giving ninety (90) days advance written notice thereof.

All materials utilized by Clear Water Lake Management shall be of the highest quality and are registered with the U.S. Environmental Protection Agency and the Michigan Department of Agriculture.



Contract:

For Rainbow/Middle Lake Representative:

Program Option for Rainbow/Middle Lake:

One (1) Year Program- _____
Three (3) Year Program- _____
Five (5) Year Program- _____
(Just initial your choice)

Name (Print) _____ Signature _____
Title _____
Address: _____
Phone: _____ Date _____
(Day): _____
(Eve): _____ email: _____

Clear Water Lake Management, Inc.

By: Mark Harrison
President

Signature

Date