

**CLIFFORD LAKE
LAKE IMPROVEMENT BOARD
MEETING
June 11, 2024**

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 11th day of June 2024 at 4:00 P.M.

The meeting was called to order by Tom at 4:01 p.m.

PRESENT: Tom Koepke – Chairperson/Abutting Property Owner’s Representative
Michon Wiesen – Douglass Township Representative
Matt Moorman – Douglass Township Representative
Todd Sattler – Treasurer/Drain Commissioner

ABSENT: Adam Petersen – Board of Commissioner’s Representative

ALSO

PRESENT: Rick Buteyn – Progressive AE
Luke Aaron – Progressive AE
John Otto, Lisa Coughlin, Greg Coughlin – Residents
Anne Gaylord – MCDC

A motion was made by Todd and seconded by Michon to approve the agenda as amended. Motion carried.

A motion was made by Michon and seconded by Todd to approve the minutes from September 20, 2023, as amended. Motion carried.

Public Comment

John Otto noted that the seat positions listed on the agenda are incorrect. The Board has two Douglass Township Representatives. Lisa Coughlin asked if they can own an easement and still have other’s with the ability to use it. Todd said yes, easements exist to allow others access to certain properties.

Treatment Update

Luke provided a treatment update to the board, see attached treatment journal and maps. Luke noted that there is 20k left in the treatment budget for this season. Starry Stonewort is still in the lake but has not spread much from the areas it was identified in previously. They intend to treat it twice in July. Luke noted that clarity is really good on the lake, and they should have no issues staying within budget.

Financial Update

Todd provided a financial update to the board, including a current balance of \$52,540.35. He noted that the 2023 assessment settlement was received in May and the board is still earning interest each month.

Benefit Factor Explanation

Todd advised of the benefit factor changes that other lakes boards have been implementing during public hearings. Todd advised that other lakes have been updating the benefits factors to be based solely on the parcel's legal rights to the lake and proximity, with each individual parcel receiving an assessment. Matt asked where that information would come from. Todd advised that the drain office researches the lake access through deeds and plats.

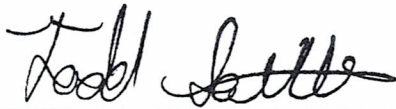
Water Quality Testing

Tom provided the water quality testing results that were completed by Prien & Newhoff. He noted that 10 E. coli and 8 phosphorus samples were collected. 3 of the E. coli samples were found to have minimal levels of E coli and all others were clear. The 3 samples were taken in areas that have little boating activity, but a lot of geese. No measurable amounts of phosphorus were found in any of the samples tested. The baseline from the testing is that the lake is very clean.

Other Business

The next meeting is scheduled for September 11, at 4:00pm, in the drain office.

There being no further business to come before the Lake Board, a motion was made by Todd and seconded by Matt to adjourn the meeting at 4:51 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 June 11, 2024, 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.



Todd Sattler
Montcalm County Drain Commissioner

CLIFFORD LAKE LAKE IMPROVEMENT BOARD MEETING

June 11, 2024
4:00 PM

MONTCALM COUNTY DRAIN COMMISSION

211 W. Main Street
Stanton, MI 48888

Agenda

- Call to Order
- Approval of Agenda
- Approval of Minutes
 - September 20, 2023
- Public Comment
- Treatment Update
- Financial Update
- Benefit Factors Explanation
- Water Quality Testing
- Other Business
- Public Comment
- Adjourn

If you cannot attend the meeting, please call the office at 989-831-7322 or email Anne at agaylord@montcalm.us at least two days prior to the meeting.

Board Member

Tom Koepke, Chairperson/Abutting Property Owner's Representative
Todd Sattler, Secretary, Montcalm County Drain Commissioner
Adam Petersen, Board of Commissioner's Representative
Michon Wiesen, Douglass Township Representative
Matt Moorman, Douglass Township Representative

Project Work Journal
Clifford Lake

2024 **Beginning Balance: \$26,000.00**

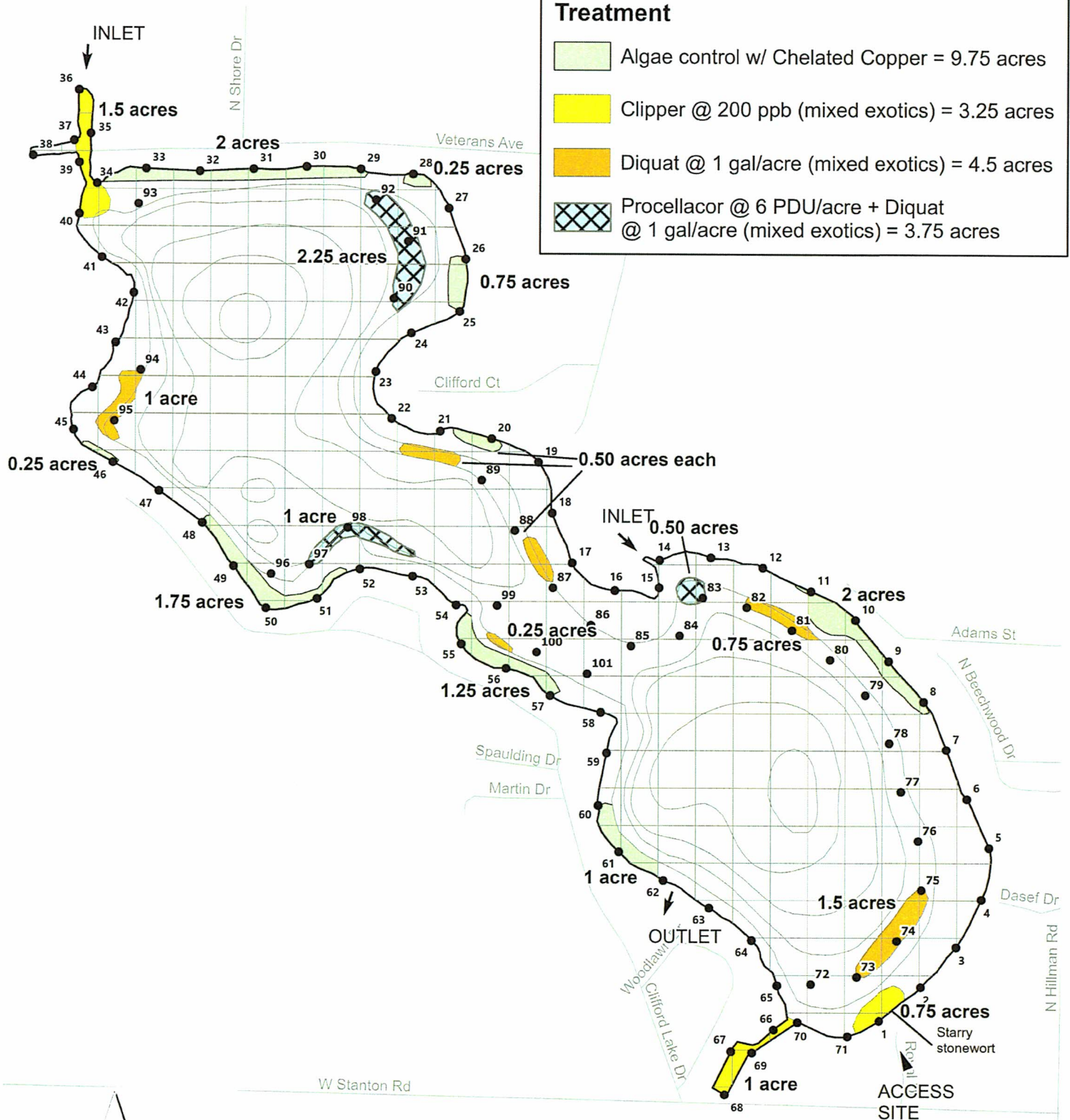
Date	Type	Results						
1/18/2024	Permit	2024 Permit Authorization						
		Application Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance
		1/29/2024	Permit Fee		1.00 each		\$875.00	\$25,125.00
						Invoice 3011887 Total	\$875.00	\$25,125.00
5/16/2024	Survey	LJA and PFO survey. Water: 68 degrees. Found some milfoil, curly-leaf pondweed, and algae.						
		Treatment Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance
		5/20/2024	Flumioxazin	Curly-leaf Pondweed	3.25 acre(s)	200.00	\$975.00	\$24,150.00
				Eurasian Milfoil				
				Starry Stonewort				
		5/20/2024	Diquat dibromide @ 1 gal/acre	Curly-leaf Pondweed	3.50 acre(s)		\$560.00	\$23,590.00
				Eurasian Milfoil				
		5/20/2024	Algae control (chelated copper only)	Filamentous or Planktonic Algae	9.75 acre(s)		\$877.50	\$22,712.50
		5/20/2024	Diquat dibromide @ 1 gal/acre + 6 PDU ProcellaCOR	Curly-leaf Pondweed	3.75 acre(s)		\$2,343.75	\$20,368.75
				Eurasian Milfoil				
						Invoice 3012836 Total	\$4,756.25	\$20,368.75
6/11/2024	Follow Up							

= 1 ACRE

CLIFFORD LAKE
MONTCALM COUNTY, MICHIGAN
TREATMENT MAP
SURVEY DATE: MAY 16, 2024

Treatment

- Algae control w/ Chelated Copper = 9.75 acres
- Clipper @ 200 ppb (mixed exotics) = 3.25 acres
- Diquat @ 1 gal/acre (mixed exotics) = 4.5 acres
- Procellacor @ 6 PDU/acre + Diquat @ 1 gal/acre (mixed exotics) = 3.75 acres



LAKE AREA = 205 ACRES

REVISION DATE : JANUARY 2024

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

Clifford Lake Finance Sheet 2023-2027 (84002)

Tuesday, June 11, 2024

Date	Vendor	Description	Check Number	Expenses	Revenue	Balance
10/4/2022		Beginning Balance				\$ 6,703.85
10/4/2022	SPICER GROUP	ARC GIS Support	169208	\$167.00		\$ 6,536.85
10/4/2022	The Michigan Riparian	Dues & Membership	169203	\$142.00		\$ 6,394.85
10/20/2022	Progressive AE	4th Quarter Lake Consultant Fee	169529	\$2,000.00		\$ 4,394.85
1/9/2023	Progressive AE	1st Quarter Lake Consultant Fee	171352	\$2,000.00		\$ 2,394.85
1/26/2023	PLM Lake & Land Management	2023 EGLE Permit Fee	171555	\$875.00		\$ 1,519.85
5/2/2023	Montcalm County	2022 Delinquent Tax Settlement			\$ 1,841.89	\$ 3,361.74
5/4/2023	Progressive AE	2nd Quarter Lake Consultant Fee		\$2,000.00		\$ 1,361.74
5/8/2023	Montcalm County	2022 Collected Settlement			\$ 35,158.11	\$ 36,519.85
5/31/2023	Huntington Bank	Interest Income			\$ 107.18	\$ 36,627.03
6/30/2023	Huntington Bank	Interest Income			\$ 118.79	\$ 36,745.82
7/5/2023	PLM Lake & Land Management	05/31/2023 Weed & Algae Treatment	174934	\$5,055.00		\$ 31,690.82
7/13/2023	PLM Lake & Land Management	06/3/2023 Algae Treatment	174093	\$1,777.50		\$ 29,913.32
7/20/2023	Progressive AE	3rd Quarter Consultant Fee	175147	\$2,000.00		\$ 27,913.32
7/31/2023	Huntington Bank	Interest Income			\$ 92.05	\$ 28,005.37
8/10/2023	PLM Lake & Land Management	07/13/2023 Algae Treatment	175516	\$211.25		\$ 27,794.12
8/24/2023	PLM Lake & Land Management	07/28/2023 Algae Treatment	175848	\$2,802.50		\$ 24,991.62
8/24/2023	PLM Lake & Land Management	08/14/2023 Algae Treatment	175848	\$2,802.50		\$ 22,189.12
8/31/2023	Huntington Bank	Interest Income			\$ 73.48	\$ 22,262.60
9/7/2023	PLM Lake & Land Management	08/28/2023 Weed & Lily Pad Treatment	176111	\$350.00		\$ 21,912.60
9/30/2023	Huntington Bank	Interest Income			\$ 68.48	\$ 21,981.08
10/19/2023	MLSA	Riparian Dues & Membership	177042	\$142.00		\$ 21,839.08
10/19/2023	Progressive AE	4th Quarter Lake Consultant Fee	177051	\$2,000.00		\$ 19,839.08
10/31/2023	Huntington Bank	Interest Income			\$ 64.06	\$ 19,903.14
11/30/2023	Huntington Bank	Interest Income			\$ 61.39	\$ 19,964.53
12/31/2023	Huntington Bank	Interest Income			\$ 63.71	\$ 20,028.24
1/18/2024	Progressive AE	1st Quarter Lake Consultant Fee	178927	\$2,000.00		\$ 18,028.24
1/31/2024	Huntington Bank	Interest Income			\$ 58.78	\$ 18,087.02
2/29/2024	Huntington Bank	Interest Income			\$ 54.20	\$ 18,141.22
3/7/2024	PLM Lake & Land Management	2024 EGLE Permit Fee	179950	\$875.00		\$ 17,266.22
3/31/2024	Huntington Bank	Interest Income			\$ 58.86	\$ 17,325.08
4/11/2024	Progressive AE	2nd Quarter Lake Consultant Fee	180780	\$2,000.00		\$ 15,325.08
4/30/2024	Huntington Bank	Interest Income			\$ 50.97	\$ 15,376.05
5/13/2024	Montcalm County	2023 Collected Settlement			\$ 34,397.32	\$ 49,773.37
5/13/2024	Montcalm County	2023 Delinquent Settlement			\$ 2,602.68	\$ 52,376.05
5/31/2024	Huntington Bank	Interest Income			\$ 164.30	\$ 52,540.35
		Remaining Balance				\$ 52,540.35

June 4, 2024 Clifford Lake Surface Water Sample Data Results

BLUE BOTTLES - E. Coli Samples

Sample Number	Time	Location Description	Map Coordinate	Lab Results	Data Interpretation
1	3:20 PM	West Shore - Between Wyckoff and Ken Muilenburg 4-5 ft deep	53	4.00 Colonies/100ml	Extremely low - The minimal amount that can be detected by the method used.
2	3:28 PM	West Shore - Clifford Lake Inn and off shore about 50 ft. 18-20 ft deep	62	< 4.00 Colonies/100ml	Less than the minimal amount that can be detected by the method used.
3	3:37 PM	Mouth of S. Channel 5-6 ft deep 300 ft off shore	70	8.00 Colonies/100ml	Extremely low
4	3:47 PM	East Shore - Betw Sorenson/Abbott and Yellow cottage 5ft deep	6	< 4.00 Colonies/100ml	Less than the minimal amount that can be detected by the method used.
5	3:53 PM	East Shore - At Inlet near Peterson's dock 100 ft offshore 3-5 ft deep	15	< 4.00 Colonies/100ml	Less than the minimal amount that can be detected by the method used.
6	4:06 PM	East Shore - In front of Switkala's 200 ft offshore 7-10 ft deep	26	< 4.00 Colonies/100ml	Less than the minimal amount that can be detected by the method used.
7	4:11 PM	North Shore - 200 ft offshore in front of Deuel's 10 ft deep	29	< 4.00 Colonies/100ml	Less than the minimal amount that can be detected by the method used.
8	4:17 PM	North Shore - 300 ft off shore in front of Chamberlain's 3-5 ft deep	34	< 4.00 Colonies/100ml	Less than the minimal amount that can be detected by the method used.
9	4:25 PM	West Shore - in front of RR 300 ft offshore 13 ft deep	46	< 4.00 Colonies/100ml	Less than the minimal amount that can be detected by the method used.
10	4:33 PM	West Shore - 200ft offshore betw Mike and Lee 3-5 ft deep	51	4.00 Colonies/100ml	Extremely low - The minimal amount that can be detected by the method used.

NOTE: 300 Colonies/100mL is the "no contact limit" or similar to the Maximum Contamination Limit (MCL)

WHITE BOTTLES - Phosphorous Samples

1	3:20 PM	West Shore - Between Wyckoff and Ken Muilenburg 4-5 ft deep	53	< 0.0200 mg/L	Less than the minimal amount that can be detected by the method used.
2	3:28 PM	West Shore - Clifford Lake Inn and off shore about 50 ft. 18-20 ft deep	62	< 0.0200 mg/L	Less than the minimal amount that can be detected by the method used.
3	3:37 PM	Mouth of S. Channel 5-6 ft deep 300 ft off shore	70	< 0.0200 mg/L	Less than the minimal amount that can be detected by the method used.
4	3:47 PM	East Shore - Betw Sorenson/Abbott and Yellow cottage 5ft deep	6	< 0.0200 mg/L	Less than the minimal amount that can be detected by the method used.
5	3:53 PM	East Shore - At Inlet near Peterson's dock 100 ft offshore 3-5 ft deep	15	< 0.0200 mg/L	Less than the minimal amount that can be detected by the method used.
6	4:06 PM	East Shore - In front of Switkala's 200 ft offshore 7-10 ft deep	26	< 0.0200 mg/L	Less than the minimal amount that can be detected by the method used.
7	4:11 PM	North Shore - 200 ft offshore in front of Deuel's 10 ft deep	29	< 0.0200 mg/L	Less than the minimal amount that can be detected by the method used.
8		Not applicable			
9		Not applicable			
10	4:33 PM	West Shore - 200ft offshore betw Mike and Lee 3-5 ft deep	51	< 0.0200 mg/L	Less than the minimal amount that can be detected by the method used.

Analysis conducted by the labs at Prein & Newhof of Grand Rapids

CLIFFORD LAKE MONTCALM COUNTY, MICHIGAN AQUATIC PLANT SURVEY MAP 205 ACRES

Date: 6/4/2024
Crew: Koenke & Olsen
Weather: overcast - cloudy

Plant Names

- | | |
|------------------------|-------------------------|
| 1 E. Milfoil | 22 Utricularia vulgaris |
| 2 Curly leaf pondw | 23 Bladderwort mini |
| 3 Chara | 24 Buttercup |
| 4 Thinleaf pondw | 25 Nalad |
| 5 Flatstem pondw | 26 Brittle nalad |
| 6 Robbins pondw | 27 Sago pondweed |
| 7 Variable pondw | 30 Nymphaea |
| 8 Whitestem pondw | 31 Nuphar |
| 9 Richardsons pondw | 32 Brasenia |
| 10 Illinois pondw | 33 Laminia minor |
| 11 Large leaf pondw | 34 Spirodella |
| 12 American pondw | 35 Watermeal |
| 13 Floating leaf pondw | 36 Arrowhead |
| 14 Water stargrass | 37 Pickersweed |
| 15 Wild celery | 38 Arrow arum |
| 16 Sagittaria | 39 Cattails |
| 17 Northern milfoil | 40 Butrushes |
| 18 M. verticillatum | 41 Iris |
| 19 M. heterophyllum | 42 Swamp loosestrife |
| 20 Coontail | 43 Purple loosestrife |
| 21 Elodea | |

Density
a Found
h Sparse
c Common
d Dense

Notes:



1 inch = 750 feet

progressive

Analytical Report

(continuous)

WO#: 2406292

Date Reported: 6/6/2024

CLIENT: Clifford Lake Association

Lab Order: 2406292

Project: E Coli Testing

Lab ID: 2406292-01 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 3:20:00 PM
Client ID: Point 1- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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COLIFORM BY MEMBRANE FILTRATION

HACH 10029

Analyst: CM

E. coli	4.00	4.00		Colonies/100ml	1	6/5/2024 2:30:00 PM
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Lab ID: 2406292-02 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 3:28:00 PM
Client ID: Point 2- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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COLIFORM BY MEMBRANE FILTRATION

HACH 10029

Analyst: CM

E. coli	< 4.00	4.00		Colonies/100ml	1	6/5/2024 2:30:00 PM
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Lab ID: 2406292-03 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 3:37:00 PM
Client ID: Point 3- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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COLIFORM BY MEMBRANE FILTRATION

HACH 10029

Analyst: CM

E. coli	8.00	4.00		Colonies/100ml	1	6/5/2024 2:30:00 PM
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Lab ID: 2406292-04 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 3:47:00 PM
Client ID: Point 4- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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COLIFORM BY MEMBRANE FILTRATION

HACH 10029

Analyst: CM

E. coli	< 4.00	4.00		Colonies/100ml	1	6/5/2024 2:30:00 PM
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Qualifiers: < Not Detected at the Reporting Limit
MCL Maximum Contaminant Level
RL Reporting Limit

II Holding times for preparation or analysis exceeded
PL Permit Limit

Original

Page 2 of 5

Analytical Report

(continuous)

WO#: 2406292

Date Reported: 6/6/2024

CLIENT: Clifford Lake Association

Lab Order: 2406292

Project: E Coli Testing

Lab ID: 2406292-05 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 3:53:00 PM
Client ID: Point 5- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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COLIFORM BY MEMBRANE FILTRATION

HACH 10029

Analyst: CM

E. coli	< 4.00	4.00	Colonies/100ml	1	6/5/2024 2:30:00 PM
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Lab ID: 2406292-06 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 4:16:00 PM
Client ID: Point 6- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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COLIFORM BY MEMBRANE FILTRATION

HACH 10029

Analyst: CM

E. coli	< 4.00	4.00	Colonies/100ml	1	6/5/2024 2:30:00 PM
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Lab ID: 2406292-07 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 4:11:00 PM
Client ID: Point 7- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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COLIFORM BY MEMBRANE FILTRATION

HACH 10029

Analyst: CM

E. coli	< 4.00	4.00	Colonies/100ml	1	6/5/2024 2:30:00 PM
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Lab ID: 2406292-08 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 4:11:00 PM
Client ID: Point 8- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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COLIFORM BY MEMBRANE FILTRATION

HACH 10029

Analyst: CM

E. coli	< 4.00	4.00	Colonies/100ml	1	6/5/2024 2:30:00 PM
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Qualifiers: < Not Detected at the Reporting Limit
MCL Maximum Contaminant Level
RL Reporting Limit

H Holding times for preparation or analysis exceeded
PL Permit Limit

Original

Page 3 of 5

Analytical Report

(continuous)

WO#: 2406292

Date Reported: 6/6/2024

CLIENT: Clifford Lake Association
Project: E Coli Testing

Lab Order: 2406292

Lab ID: 2406292-09 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 4:25:00 PM
Client ID: Point 9- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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COLIFORM BY MEMBRANE FILTRATION

HACH 10029

Analyst: CM

E. coli	< 4.00	4.00	Colonies/100ml	1	6/5/2024 2:30:00 PM
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Lab ID: 2406292-10 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 4:33:00 PM
Client ID: Point 10- Map Coordinat **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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COLIFORM BY MEMBRANE FILTRATION

HACH 10029

Analyst: CM

E. coli	4.00	4.00	Colonies/100ml	1	6/5/2024 2:30:00 PM
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Qualifiers: < Not Detected at the Reporting Limit
MCL Maximum Contaminant Level
RL Reporting Limit

H Holding times for preparation or analysis exceeded
PL Permit Limit

Original

Page 4 of 5

No. 54115

CHAIN OF CUSTODY

Wastewater	W
Drinking Water	D
Groundwater	G
Soil	S
Sludge	L
Other	X

LAKE WATER

LAB USE	Sample Information			MATRIX	Preservative						Analysis Requested									
	Lab Sample ID #	Date Collected	Time Collected		Sample Description and Location (e.g. MW-1)	None	H2SO4	HNO3	HCL	NaOH	Other									
6292				Blue Bottles E. coli																
1	6/4/24	3:20 p	Between Wycof + Ken		53															
2	"	3:28 p	CLI - 18 - 20' deep		67															
3	"	3:37 p	mouth of S. Channel 5-6		70															
4	"	3:47 p	Sorenson + yellow ody		4															
5	"	3:53	At Inlet + Peterson 3-4		15															
6	"	4:00 p	200' off shore Duels 10'		26															
7	"	4:18 p	200' off shore Duels 10'		29															
8	"	4:25 p	300' off shore Chamberlain		34															
9	"	4:25	R.R. 300' off shore 13'		46															
10	"	4:33	200' off shore M.K + Lee		51															
Comments:																				

Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Date	Time
Relinquished By: (Signature)	Date	Time	Received for Laboratory By: (Signature)	Date	Time

Analytical Report

(continuous)

WO#: 2406289

Date Reported: 6/7/2024

CLIENT: Clifford Lake Association
Project: Phos Testing

Lab Order: 2406289

Lab ID: 2406289-01 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 3:20:00 PM
Client ID: Point 1- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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PHOSPHOROUS, TOTAL AS P

SM4500-PE-2011

Analyst: AB

Phosphorus, Total (As P)	< 0.0200	0.0200		mg/L	1	6/7/2024 11:34:36 AM
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Lab ID: 2406289-02 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 3:28:00 PM
Client ID: Point 2- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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PHOSPHOROUS, TOTAL AS P

SM4500-PE-2011

Analyst: AB

Phosphorus, Total (As P)	< 0.0200	0.0200		mg/L	1	6/7/2024 11:34:36 AM
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Lab ID: 2406289-03 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 3:37:00 PM
Client ID: Point 3- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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PHOSPHOROUS, TOTAL AS P

SM4500-PE-2011

Analyst: AB

Phosphorus, Total (As P)	< 0.0200	0.0200		mg/L	1	6/7/2024 11:34:36 AM
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Lab ID: 2406289-04 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 3:47:00 PM
Client ID: Point 4- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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PHOSPHOROUS, TOTAL AS P

SM4500-PE-2011

Analyst: AB

Phosphorus, Total (As P)	< 0.0200	0.0200		mg/L	1	6/7/2024 11:34:36 AM
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Qualifiers:
 < Not Detected at the Reporting Limit
 MCL Maximum Contaminant Level
 RL Reporting Limit

H Holding times for preparation or analysis exceeded
 PL Permit Limit

Original

Page 2 of 4

Analytical Report

(continuous)

WO#: 2406289

Date Reported: 6/7/2024

CLIENT: Clifford Lake Association
Project: Phos Testing

Lab Order: 2406289

Lab ID: 2406289-05 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 3:53:00 PM
Client ID: Point 5- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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PHOSPHOROUS, TOTAL AS P

SM4500-PE-2011

Analyst: AB

Phosphorus, Total (As P)	< 0.0200	0.0200		mg/L	1	6/7/2024 11:34:36 AM
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Lab ID: 2406289-06 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 4:06:00 PM
Client ID: Point 6- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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PHOSPHOROUS, TOTAL AS P

SM4500-PE-2011

Analyst: AB

Phosphorus, Total (As P)	< 0.0200	0.0200		mg/L	1	6/7/2024 11:34:36 AM
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Lab ID: 2406289-07 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 4:11:00 PM
Client ID: Point 7- Map Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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PHOSPHOROUS, TOTAL AS P

SM4500-PE-2011

Analyst: AB

Phosphorus, Total (As P)	< 0.0200	0.0200		mg/L	1	6/7/2024 11:34:36 AM
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Lab ID: 2406289-08 **Matrix:** SURFACE WATER **Collection Date:** 6/4/2024 4:33:00 PM
Client ID: Point 10- Map Coordinat **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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PHOSPHOROUS, TOTAL AS P

SM4500-PE-2011

Analyst: AB

Phosphorus, Total (As P)	< 0.0200	0.0200		mg/L	1	6/7/2024 11:34:36 AM
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Qualifiers:
 < Not Detected at the Reporting Limit
 MCL Maximum Contaminant Level
 RL Reporting Limit

H Holding times for preparation or analysis exceeded
 PL Permit Limit

Original

Page 3 of 4

STANTON, MI 48885

Phone Number: (734) 645-7173

Email Report to: tkoeperke1@gmail.com

Email Invoice to: tKoepke1@gmail.com

Project Name:

Project Number:

Sampling Personnel: Tom Koepke & Dan Olsen

No. 54116

CHAIN OF CUSTODY

Wastewater	W
Drinking Water	D
Groundwater	G
Soil	S
Sludge	L
Other	X

Lake water

LAB USE		Sample Information			MATRIX	Preservative						Analysis Requested													
Lab Sample ID #	Date Collected	Time Collected	Sample Description and Location (e.g. MW-1)	None		H2SO4	HNO3	HCL	NaOH	Other															
6289			White Bottles Phosphorous								Phosphorous														
1	6/4	3:20	MAP coordinate 53																						
2	"	3:28	MAP coordinate 62																						
3	"	3:37	" 70																						
4	"	3:47	" 6																						
5	"	3:53	" 15																						
6	"	4:06	" 26																						
7	"	4:11	" 29																						
10	"	4:33	" 51																						
Comments:																									

Relinquished By: (Signature)	Date	Time	Received By: (Signature)	Date	Time
Relinquished By: (Signature)	Date	Time	Received for Laboratory By: (Signature)	Date	Time

CLIFFORD LAKE
LAKE IMPROVEMENT BOARD MEETING

June 11, 2024

4:00 P.M.

Drain Commissioner's Office

ATTENDANCE RECORD

1. Todd Sattler
2. Michael Wain
3. Dick Butey
4. LUKE ARON
5. Tom Koepke
6. Lisa Coughlin
7. Greg Coughlin
8. JOHN OTTO
9. Matt Moorman
10. Anne Gaylord
11. _____
12. _____
13. _____
14. _____
15. _____