

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

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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 11<sup>th</sup> 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](http://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 [aqaylord@montcalm.us](mailto:aqaylord@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

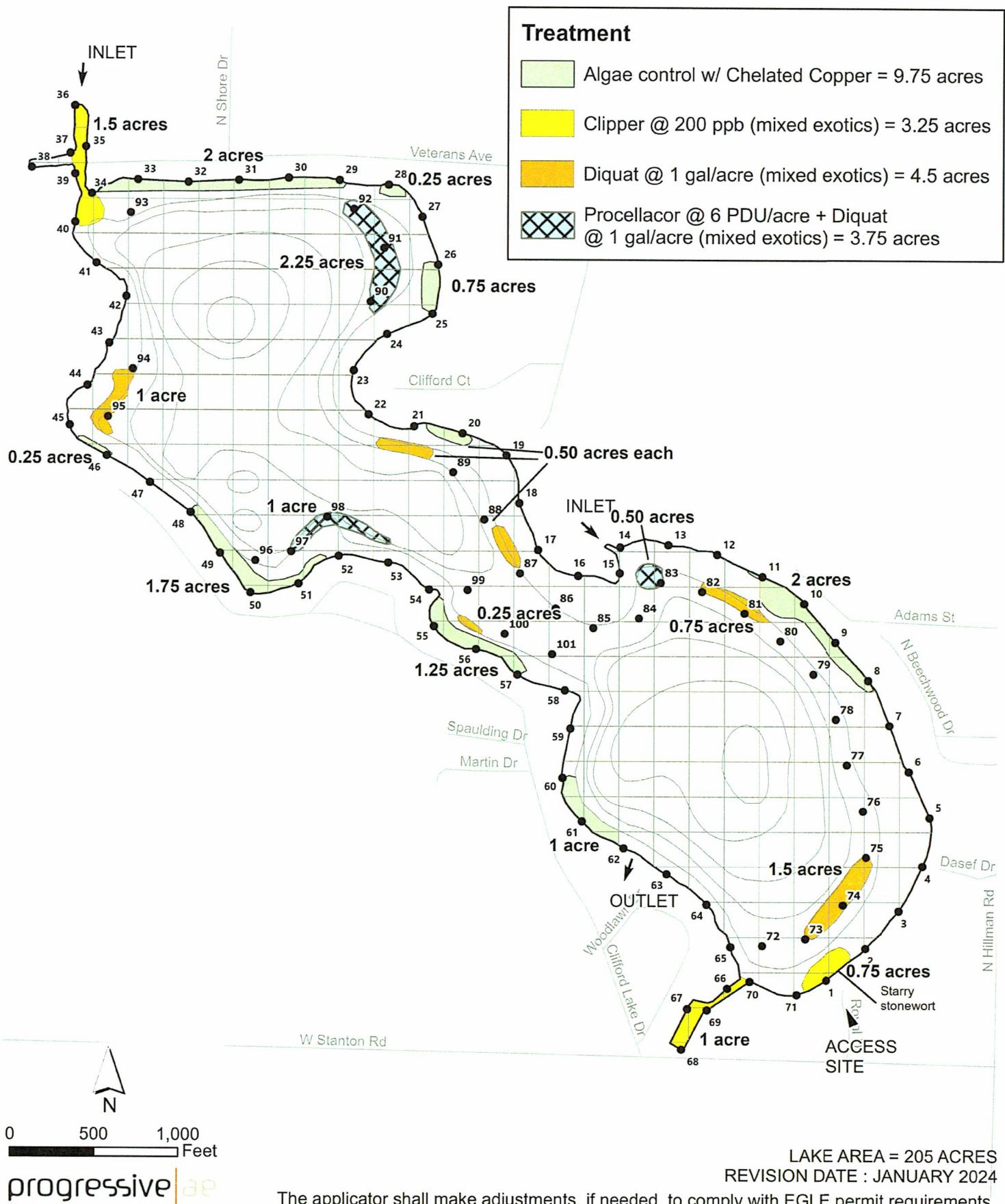
Application Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance
1/29/2024	Permit Fee		1.00 each		\$875.00	\$25,125.00
				Invoice 3011887	\$875.00	\$25,125.00
				Total		

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 Eurasian Milfoil Starry Stonewort	3.25 acre(s)	200.00	\$975.00	\$24,150.00
5/20/2024	Diquat dibromide @ 1 gal/acre	Curly-leaf Pondweed Eurasian Milfoil	3.50 acre(s)		\$560.00	\$23,590.00
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 Eurasian Milfoil	3.75 acre(s)		\$2,343.75	\$20,368.75
				Invoice 3012836	\$4,756.25	\$20,368.75
				Total		

6/11/2024     Follow Up

= 1 ACRE

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



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 Collected	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 Switala'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 Switala'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			Less than the minimal amount that can be detected by the method used.
9		Not applicable			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	< 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: Chappie & Olsen  
Weather: overcast - cloudy

Plant Names

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

Density  
a Found  
b Sparse  
c Common  
d Dense

Notes:



N

1 inch = 750 feet

(continuous)

WO#: 2406292

Date Reported: 6/6/2024

<b>CLIENT:</b>	Clifford Lake Association	<b>Lab Order:</b>	2406292
<b>Project:</b>	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	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>

**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	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>

**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	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>

**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	
<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>

**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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<b>Qualifiers:</b>	< Not Detected at the Reporting Limit	II Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level		PL Permit Limit
RL Reporting Limit		

Original

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**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

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(continuous)

WO#: 2406292

Date Reported: 6/6/2024

<b>CLIENT:</b>	Clifford Lake Association	<b>Lab Order:</b>	2406292
<b>Project:</b>	E Coli Testing		

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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<b>COLIFORM BY MEMBRANE FILTRATION</b>			<b>HACH 10029</b>		Analyst: CM	
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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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<b>COLIFORM BY MEMBRANE FILTRATION</b>			<b>HACH 10029</b>		Analyst: CM	
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E. coli	4.00	4.00	Colonies/100ml	1	6/5/2024 2:30:00 PM
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<b>Qualifiers:</b>	<	Not Detected at the Reporting Limit	H	Holding times for preparation or analysis exceeded
	MCL	Maximum Contaminant Level	PL	Permit Limit
	RL	Reporting Limit		

Original

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Client Name: Cliftord Lake Association

Billing Address: P.O. Box 223

STANTON, MI 48888

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Phone Number: (734) 645-7173

Email Report to: tkoepke1@gmail.com

Email Invoice to: tkoepke1@gmail.com

Project Name: tkoepke1@gmail.com

Project Number:

Sampling Personnel: Tom Koepke &amp; Dan Olson

No. 54115

## CHAIN OF CUSTODY

Wastewater  
Drinking Water  
Groundwater  
Soil  
Sludge  
OtherW  
D  
G  
S  
L

LAKE WATER

LAB USE	Sample Information			MATRIX	Preservative		Analysis Requested					
	Lab Sample ID #	Date Collected	Time Collected		None	H2SO4	HNO3	HCL	NaOH	Other		
1	6/4/24	3:20 p	Between Wycoff & Ken		53							
2	"	3:28 p	CL1 - 18-20' deep		62							
3	"	3:37 p	Mouth of S. Channel 5-6		70							
4	"	3:47 p	Sorenson & yellow cottage		6							
5	"	3:53	At Inlet & Peterson 3-4		15							
6	"	4:18 p	200' off shore - west 10'		26							
7	"	4:18 p	200' off shore Due to 10'		29							
8	"	4:19 p	300' off shore Chalfupin		34							
9	"	4:25	R.R. 300' off shore 13'		46							
10	"	4:33	200' off shore - M.K & co		51							
Comments:												

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

6/5/24 10:30

(continuous)

WO#: 2406289

Date Reported: 6/7/2024

CLIENT:	Clifford Lake Association	Lab Order:	2406289
Project:	Phos Testing		

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	
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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	
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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	
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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	
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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	H Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level	PL Permit Limit
RL	Reporting Limit	

Original

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**CLIENT:** Clifford Lake Association **Lab Order:** 2406289  
**Project:** Phos Testing

**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

<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
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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

<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
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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

<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
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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 Coordinate **Sampler:** TK/DO **Received Date:** 6/5/2024 10:30:00 AM

<b>Analyses</b>	<b>Result</b>	<b>RL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date Analyzed</b>
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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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<b>Qualifiers:</b>	< Not Detected at the Reporting Limit	H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level	PL Permit Limit	
RL Reporting Limit		

Original

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## CHAIN OF CUSTODY

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

Client Name: CLIFFORD LAKE Association  
Billing Address: P.O. Box 723  
STANLEY, MI 48885  
Phone Number: (734) 645-7173  
Email Report to: tkoepke1@gmail.com  
Email Invoice to: tkoepke1@gmail.com  
Project Name:  
Project Number:  
Sampling Personnel: TEM Koepke & Dan Oles  
No. 54116

LAB USE	Sample Information			MATRIX	Preservative					Analysis Requested
	Lab Sample ID #	Date Collected	Time Collected		None	H2SO4	HNO3	HCL	NaOH	
6289										
1	6/4	3:20	MAP coordinate 53							
2	"	3:28	MAP coordinate 62							
3	"	3:37	"							
4	"	3:47	"							
5	"	3:53	"							
6	"	4:06	"							
7	"	4:11	"							
8	"	4:33	"							
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. Michigan Main
3. Dick Butteyn
4. Luke Aaron
5. Tom Koepke
6. Lisa Coughlin
7. Greg Coughlin
8. John OTTO
9. Matt Moenman
10. Anne Grayford
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_