

**Minutes of the Lake Oakland
Lake Improvement Board Meeting
April 17, 2023**

Mr. Sabina called the meeting to order at 3:02 p.m. at the Oakland County Water Resources Commissioner 1st Floor Meeting Room.

PRESENT: Rick Sabina, Citizen Member/Chairperson
George Nichols, Oakland County WRC, Secretary
Stephanie Petriello, Oakland County WRC
Kimberly Markee, Waterford Township Clerk (virtual)
Terri Nallamotheu, Independence Township Trustee
Paul Hausler, Progressive AE
Jared Laughlin, Progressive AE
Michael Perzyk, Resident

Open Meeting

All participants stated their name and affiliation for the record.

Mr. Sabina reminded everyone to sign the attendance sheet (see Attachment 'A').

Approval of the Meeting Agenda:

Terri Nallamotheu, supported by Kimberly Markee, moved to accept the meeting agenda as presented (see Attachment 'B').

Motion Carried Unanimously

Approval of Meeting Minutes:

Terri Nallamotheu, supported by Kimberly Markee, moved to accept the minutes as submitted for the meeting of October 24, 2022.

Motion Carried Unanimously

Paul Hausler will post the meeting minutes on the Lake Oakland website.

Old Business:

A. Project Work Journal

Paul Hausler stated that the only item on the Project Work Journal is the EGLE Permit fee of \$1,600. The first survey is scheduled for May 1, 2023.

B. Herbicide Treatment Update

Paul Hausler stated that an algae control treatment will be done the week of April 24th. (see Attachment 'C'). This treatment will consist of only cooper sulfate, since it cannot be used in May and June.

Notices have been sent out in the mail, as they need to be postmarked seven (7) days in advance of the treatment. Postings onsite are due the day before. There are no restrictions for algae treatment.

The permit application and fee (\$1,600.00) has been submitted to EGLE for review and approval.

Rick Sabina will remind riparians to check the website to see the treatment maps and what will be done in their location.

C. Plant Harvesting Update

Paul Hausler stated that a harvesting treatment will occur the second week of July and again right after Labor Day. The dates will be posted on the website once they are set up with Oakland Harvesters.

New Business

A. Proposed Annual Budget 2024-2028

Paul Hausler presented the proposed annual budget assessment for 2024-2028 (see Attachment 'D'). The Waterfront Parcels assessment is set at \$192 (previously \$184), and the Back Lot Parcels assessment is set at \$48 (previously \$46). The overall annual cost is \$101,500. This includes a reduction due to an existing surplus in the fund budget.

George Nichols, supported by Terri Nallamotheu, moved to accept the preliminary annual budget assessment for 2024-2028.

Motion Carried Unanimously

The meeting for Hearing of Practicability and meeting for Assessments on the project can be combined into one meeting. There are two methods of notifying the residents, a published notice and a mailing. The published notice (Oakland Press) needs to be published at least 20 days in advance of the meeting and then once again before the meeting occurs. The mailing notices (which state their assessment value) must be sent first class mail at least ten (10) days prior to the meeting.

The assessment role must also be on display for the public to view, typically at Waterford Township Hall and at Independence Township Hall. Any written objections may be filed with or mailed to the Lake Improvement Board Secretary.

It was agreed that the public hearing venue be at the Waterford Township Hall auditorium, 5200 Civic Center Drive, Waterford, MI 48329. The date of the meeting will be Monday, July 17, 2023 at 6:30 p.m.

B. 2023 Loosetrife Beetle

Rick Sabina stated that he placed an order with Integrated Weed Control in Bozemen, Montana for six (6) containers, but there is no commitment as you only pay on the amount that was shipped once they are delivered. They get shipped overnight and need to be planted within 24 hours of arriving. This method is using biological control and not chemical control.

C. Goose Egg Removal

Rick Sabina discussed that this program is an egg/nest removal and not a goose removal process. This doesn't necessarily remove the geese from the area as they still return back to the lake. Local areas have used Goose Busters. Rick will investigate this item in more detail and provide additional information at the next meeting.

D. Mobile Aquatic Invasive Species (AIS) Station

Rick Sabina presented the data collected from the AIS station usage from June 16 – June 29, 2022 and June 17 – July 1, 2021 (see Attachment 'E'). Usage went down slightly from 2021. The ASI station will be available again this year from June 14th – June 28th.

Public Comments:

Michael Perzyk commented that he appreciated that the cove area was included in the water sampling testing.

Michael Perzyk stated that he is not getting the emails from Rick Sabina that are sent out to the riparians regarding the treatment and harvesting dates. Rick will check his database to make sure he has the correct email.

Michael Perzyk commented that the cove area smells really bad and is quite cloudy. Not sure if there is any further discussion on aeration of the lake. Rick Sabina replied that it is quite costly and at this time and would need to be done on a private basis if riparians want it.

Lake Oakland Invoice Ratification:

Rick Sabina outlined invoice #190795 from Progressive AE (dated January 3, 2023) in the amount of \$5,000 for Lake Management Administration and Oversight Quarterly Services through December 30, 2022, as noted in Item '7a'.

Terri Nallamothu, supported by Kimberly Markee, to ratify payment of invoice #190795 in the amount of \$5,000.

Motion Carried Unanimously

Rick Sabina outlined invoice #18654 from Aqua-Weed Control (dated February 8, 2023) in the amount of \$1,600.00 for 2023 Herbicide Treatment EGLE Permit Fee, as noted in Item '7b'.

Terri Nallamothu, supported by Kimberly Markee, to ratify payment of invoice #18654 in the amount of \$1,600.00 to Aqua-Weed Control.

Motion Carried Unanimously

Rick Sabina outlined invoice #192248 from Progressive AE (dated April 1, 2023) in the amount of \$5,000 for Lake Management Administration and Oversight Quarterly Services through March 31, 2022, as noted in Item '7c'.

Terri Nallamothu, supported by Kimberly Markee, to ratify payment of invoice #192248 in the amount of \$5,000.

Motion Carried Unanimously

Board Member Comments

Paul Hausler present preliminary fact sheets consisting of the following items:

- Road Salt
- Mechanical Harvesting
- Organic Sediment (Muck)
- Aquatic Herbicides
- Harmful Algal Blooms
- Phosphorus

It was discussed that these will be on the agenda at the next meeting in order to have time to review them.

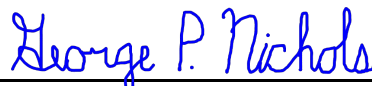
Meeting Schedule:

The next Lake Board meeting will be held on Wednesday, June 7, 2023, at 3:00 p.m. The meeting will take place at Oakland County Water Resources Commissioner office 1st Floor Lunchroom. The address is One Public Works Drive, Building 95W, Waterford, Michigan. This will be posted on the website.

Adjournment:

Terri Nallamotheu, supported by Kimberly Markee, moved to adjourn the meeting at 5:04 p.m.

Motion Carried Unanimously

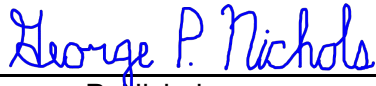


George P. Nichols
Lake Improvement Board Secretary
For Lake Oakland

STATE OF MICHIGAN)
) ss:
COUNTY OF OAKLAND)

I hereby certify that the foregoing is a true and complete copy of the minutes of the Lake Improvement Board for Lake Oakland, Oakland County, Michigan held on the 17th day of April 2023 and that the said minutes are on file in the Office of the Oakland County Water Resources Commissioner 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 Oakland County Water Resources Commissioner, which is the principal office of the Lake Improvement Board for Lake Oakland.



George P. Nichols
Lake Improvement Board Secretary
For Lake Oakland

Dated: May 31, 2023

Attachment 'A'

**OAKLAND COUNTY WATER RESOURCES COMMISSIONER
ATTENDANCE SHEET**

DATE: April 17, 2023 @ 3:00 p.m. **FACILITATOR:** _____

TYPE Lake Improvement Board Meeting (WRC 1st Floor Meeting Room)

TOPIC: Lake Oakland Lake Improvement Board Meeting

PRINTED NAME	E-MAIL	ADDRESS	CONTACT NUMBER
George Nichols	nicholsge@oakgov.com	1 Public Work Dr. Bldg 95W Waterford, MI 48328	248-841-3006
Paul Hausler			
Jared Laughlin			
Michael Percy	Baker785@Hotmail.com	3790 Rutherford Ct Waterford, MI 48329	248-892-3518
Terri Nallamothu	tnallamothu@ritter.com	1427 Foxburg Ct Clarkston MI 48048	248-892-0010
Rick Sabina	sabina@oakland.edu	3112 Pine Tree Ct	248-877-0180
Stephanie Petrello	petriellos@oakgov.com		9 47-566-7006
Kimberly Markee	(Virtual)		

Attachment 'B'

AGENDA

LAKE OAKLAND LAKE IMPROVEMENT BOARD

Monday, April 17, 2023 – 3:00 p.m.

Oakland County Water Resources Commissioner Building Lunch Room

1. Open Meeting
 - a. Introductions and Attendance

2. Approval of the Meeting Agenda for April 17, 2023

3. Approval of Meeting Minutes from October 24, 2022

4. Old Business
 - a. Project Work Journal
 - i. Survey Date
 - b. Herbicide Treatment (Aqua-Weed Control)
 - i. EGLE Permit
 - ii. Tentative Schedule
 - iii. Notices
 - c. Plant Harvesting (Oakland Harvesters LLC)
 - i. Tentative Schedule

5. New Business
 - a. Proposed Annual Budget 2024-2028
 - i. Assessment Value & Items
 - ii. Assessment Role
 - iii. Public Hearing
 - iv. Meeting Venue
 - b. 2023 Loosestrife Beetle Order
 - c. 2023 Lake Oakland Estates riparian contract with a goose egg removal service
 - d. Mobile Aquatic Invasive Species (AIS) Station
 - i. 2022 Usage Report
 - ii. 2023 Service Dates (June 14th – June 28th)

6. Public Comments

7. Lake Oakland Invoice Ratification

- a. Ratification of Progressive AE Invoice #190795 (dated 01/03/23) for Lake Management Administration and Oversight Quarterly Services thru December 30, 2022. Rick Sabina, supported by George Nichols, to pay invoice in the amount of \$5,000.
- b. Ratification of Aqua-Weed Control Invoice #18654 (dated 02/08/23) for 2023 Herbicide Treatment EGLE Permit Fee. Rick Sabina, supported by George Nichols, to pay invoice in the amount of \$1,600.
- c. Ratification of Progressive AE Invoice #192248 (dated 04/01/23) for Lake Management Administration and Oversight Quarterly Services thru March 31, 2023. Rick Sabina, supported by George Nichols, to pay invoice in the amount of \$5,000.

8. Board Member Comments

9. All Else

- a. Other items of business
- b. Schedule next meeting date

10. Adjournment

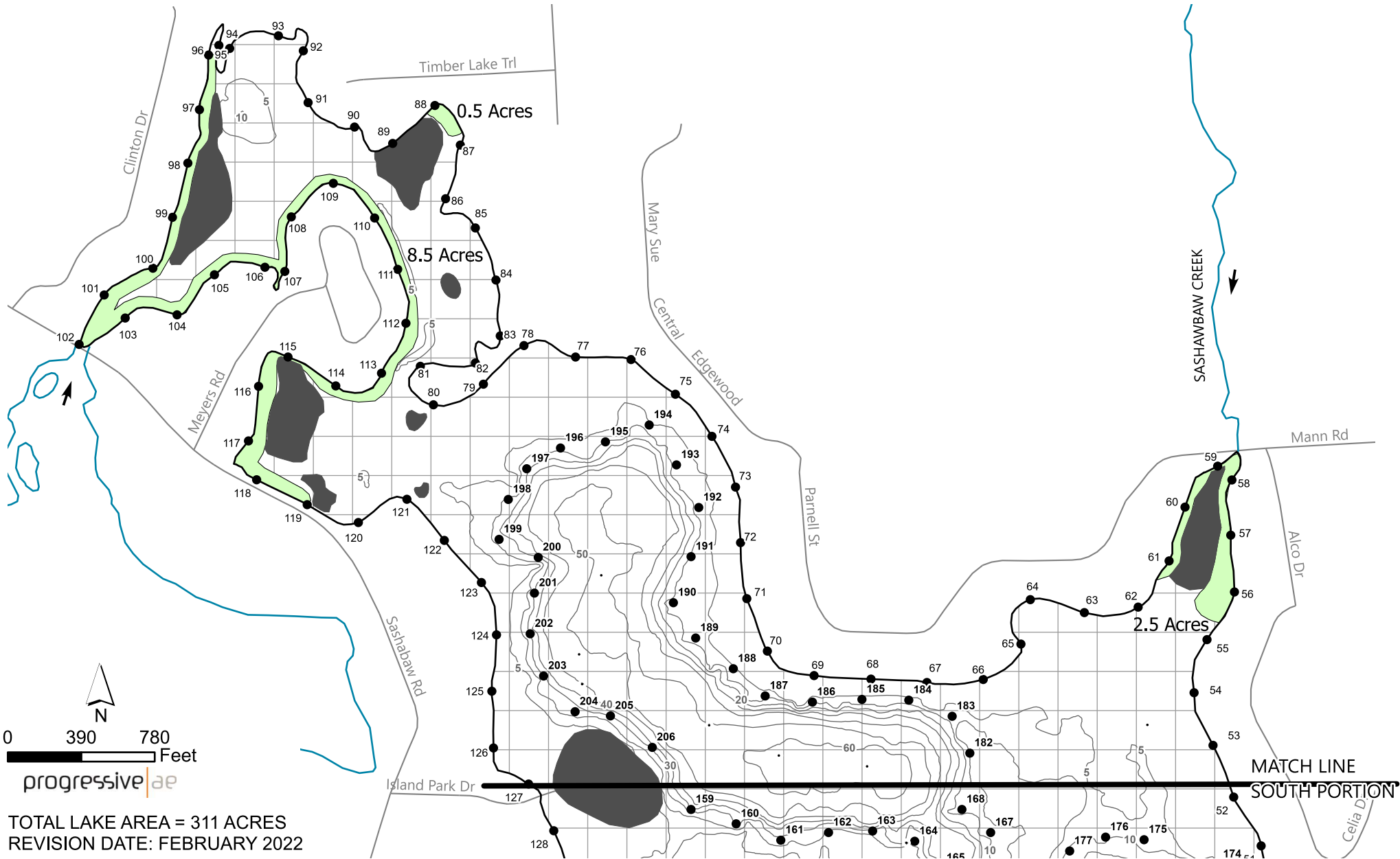
Attachment 'C'

☐ = 1 ACRE

LAKE OAKLAND (NORTH PORTION) OAKLAND COUNTY, MICHIGAN APRIL 24TH, 2023 TREATMENT MAP

Treatment

■ Algae control = 11.5 Acres



TOTAL LAKE AREA = 311 ACRES
REVISION DATE: FEBRUARY 2022

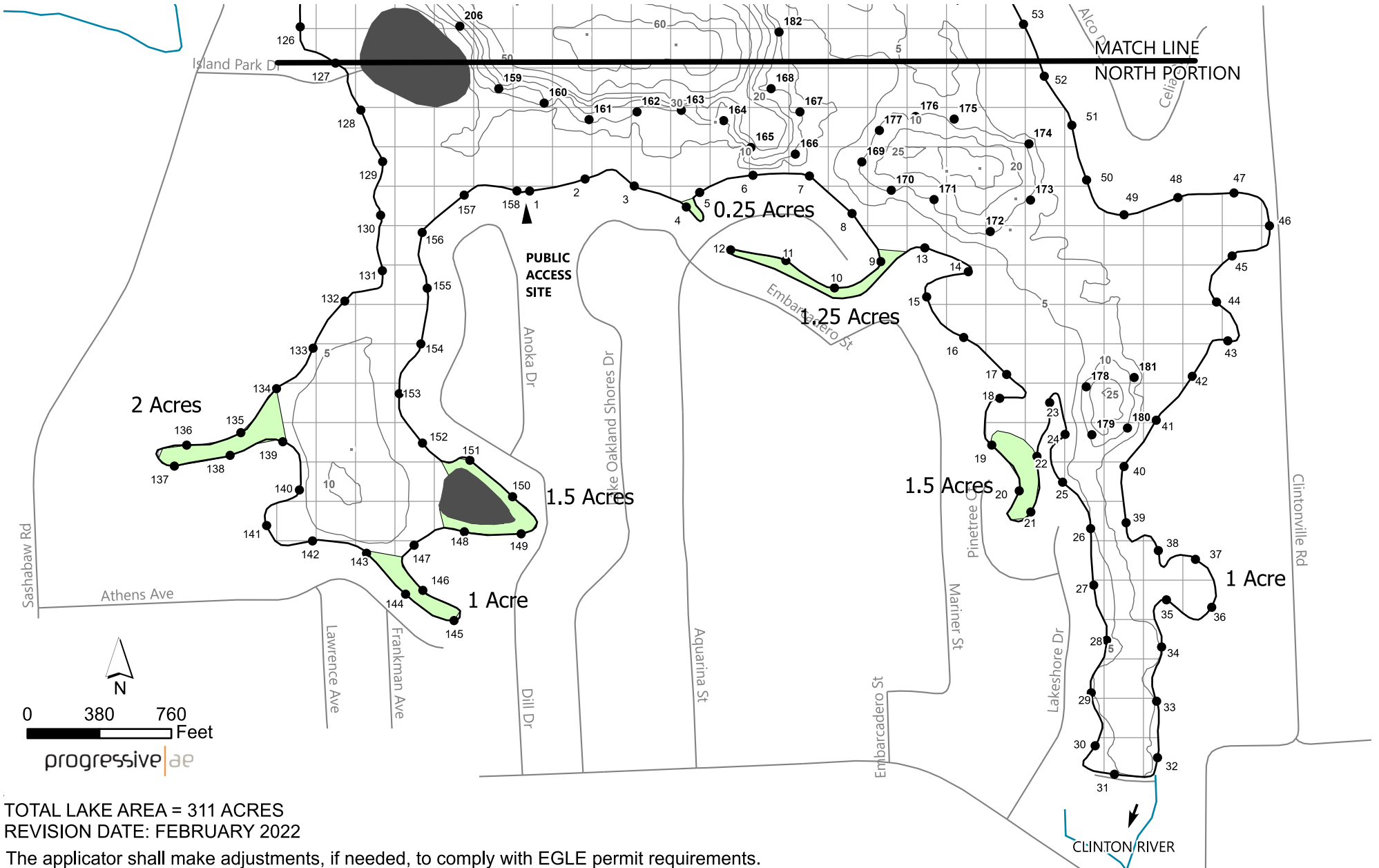
The applicator shall make adjustments, if needed, to comply with EGLE permit requirements.

Treatment

Algae control = 9.5 Acres

LAKE OAKLAND (SOUTH PORTION) OAKLAND COUNTY, MICHIGAN APRIL 24TH, 2023 TREATMENT MAP

□ = 1 ACRE



TOTAL LAKE AREA = 311 ACRES
REVISION DATE: FEBRUARY 2022

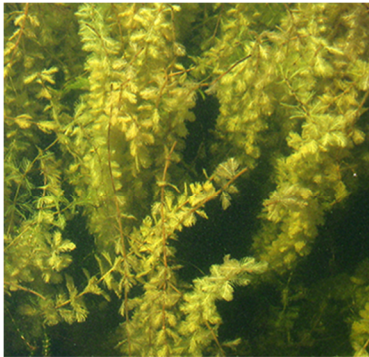
The applicator shall make adjustments, if needed, to comply with EGLE permit requirements.

Attachment 'D'

**LAKE OAKLAND IMPROVEMENT PROGRAM
PROPOSED ANNUAL BUDGET
2024 – 2028**

Improvement	Annual Cost
Aquatic Plant Control	\$80,000
Aquatic Plant Control Consulting Services	\$12,500
Water Quality Monitoring (Four Deep Basins)	\$4,500
Information and Education	\$3,000
Fish Stocking and Goose Round-Up	\$2,500
Administration and Contingency	\$9,000
<u>Less Existing Surplus</u>	<u>-\$10,000</u>
Total Annual Cost	\$101,500

The Lake Oakland improvement program will include a combination of herbicide treatments and mechanical harvesting. The program will focus primarily on invasive species such as Eurasian milfoil, curly-leaf pondweed and starry stonewort.



Eurasian milfoil



Curly-leaf pondweed



Starry stonewort

Lake management services would be provided by the Lake Oakland Improvement Board's consultant. The consultant would be responsible for preparing contract documents for the plant control program, conducting GPS-guided surveys of the lake to determine the scope of work to be performed by the plant control contractors, and conducting follow-up surveys to evaluate contractor performance. The consultant would report to the lake board and maintain a written record of the timing, scope and cost of plant control activities. Consultant administrative services would include periodic attendance at meetings, the review and processing of contractor invoices, and assistance with public hearing proceedings.

Project administration and contingency would be used for lake board administrative expenses, unforeseen project-related expenses, and any direct costs incurred by the Lake Oakland Improvement Board.

Annual water quality sampling would be conducted in the spring and late summer to evaluate baseline water quality conditions in Lake Oakland. Samples would be collected at 10-foot intervals from the surface to the bottom over the deepest basin and at the surface, mid-depth, and near the bottom at three additional deep basin locations to measure temperature, dissolved oxygen, and total phosphorus (Figure 1). In addition, measurements of Secchi transparency and chlorophyll-a levels would be taken during each sampling period. In the first year of the monitoring program, the following additional parameters would be analyzed surface to bottom: total suspended solids, chloride, pH and alkalinity. Sampling conducted during the project would provide a benchmark from which to gauge future changes in water quality. Monitoring results would be posted annually on the lake board’s website.

Information regarding the Lake Oakland Improvement Project would continue to be posted on the Lake Oakland Improvement Board’s website (www.lakeoklandboard.org). The website would be updated periodically and include information regarding lake board activities, the nuisance plant control program, water quality monitoring results, updated lake maps, lake and watershed facts, and would include links to other information sources.

Fish stocking and goose round-ups are proposed to be conducted on an as-needed basis throughout the duration of the project.

Project administration and contingency would include costs related to public hearing proceedings, mailings, meetings, and contingent expenses.

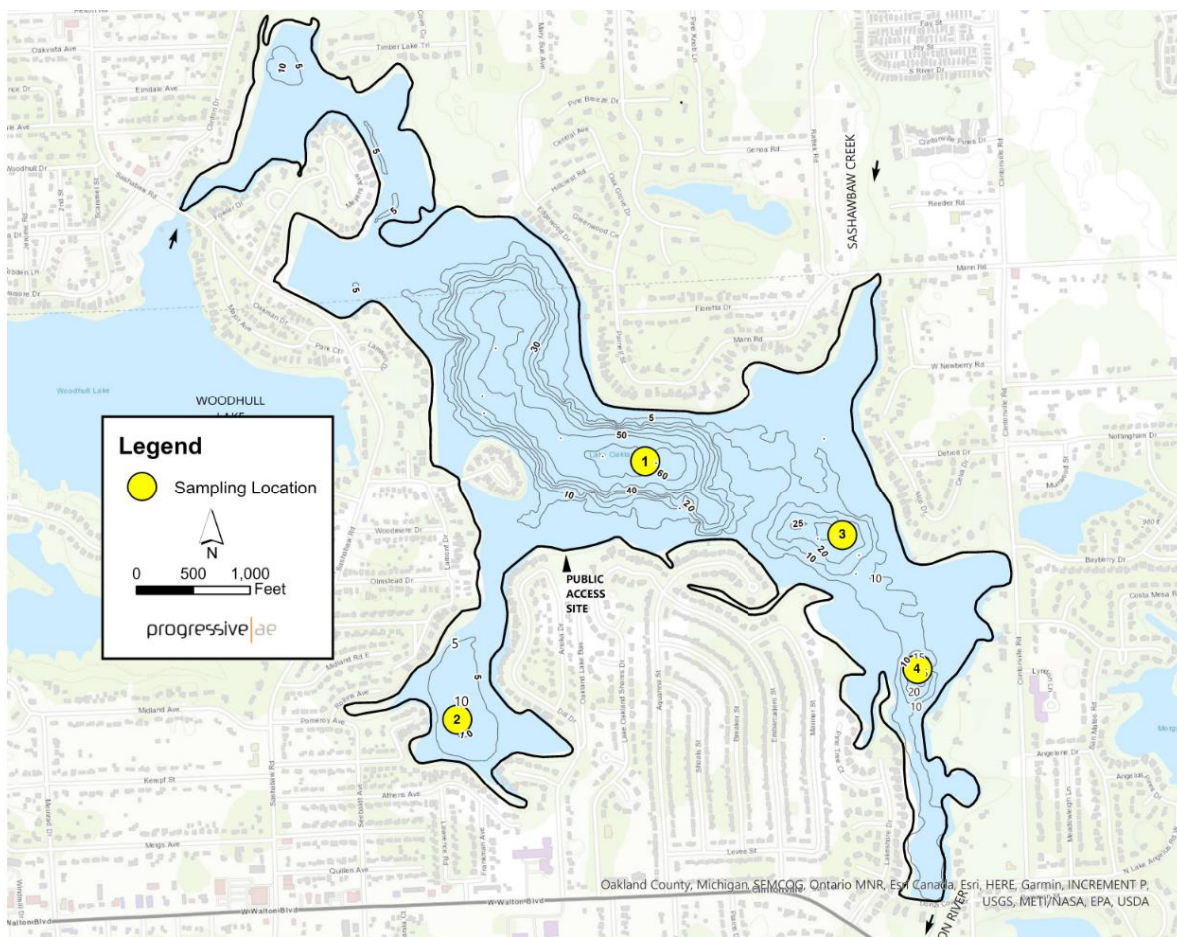
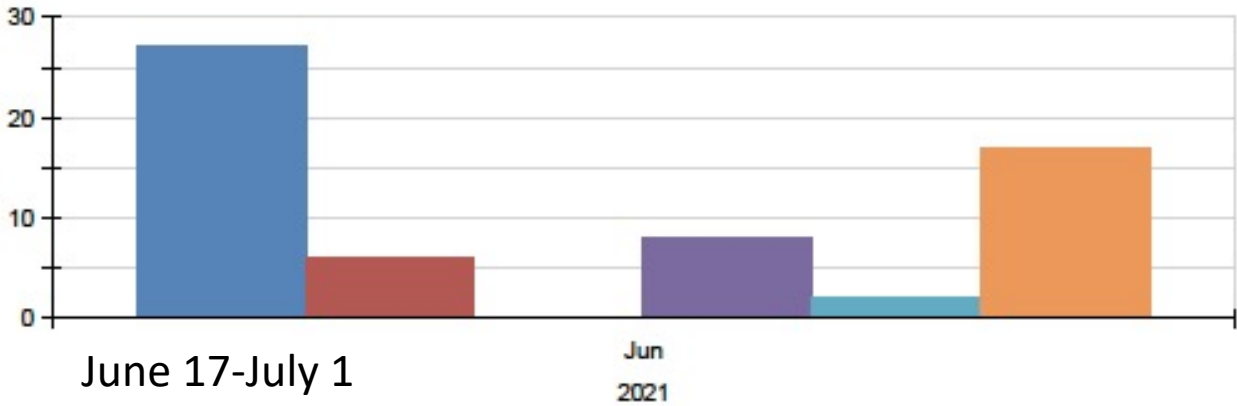


Figure 1. Lake Oakland Sampling Locations Map.

Attachment 'E'

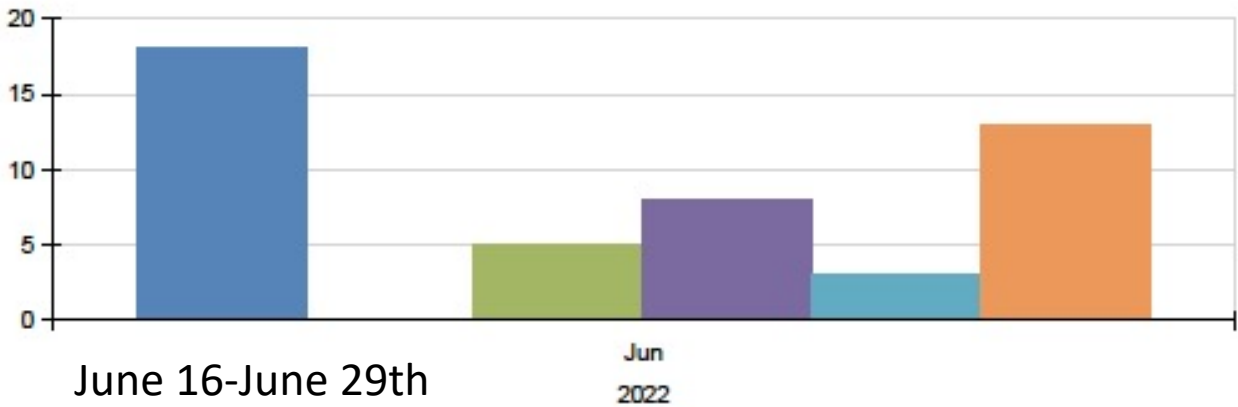
Lake Oakland Mobile AIS Unit Usage Data

Location	Month Name	Air Uses	Light Uses	Tool 1 Use Count	Tool 2 Use Count	Tool 3 Use Count	Vacuum Uses
Oakland County Trailer 2	Jun	27	6	0	8	2	17



■ Air Uses
 ■ Light Uses
 ■ Tool 1 Use Count
 ■ Tool 2 Use Count
 ■ Tool 3 Use Count
 ■ Vacuum Uses

Location	Month Name	Air Uses	Brush Uses	Light Uses	Plug Wrench Uses	Reach Grabber Uses	Vacuum Uses
Oakland County Trailer 2	Jun	18	0	5	8	3	13



■ Air Uses
 ■ Brush Uses
 ■ Light Uses
 ■ Plug Wrench Uses
 ■ Reach Grabber Uses
 ■ Vacuum Uses

2023 On-Site Dates: June 14th-June 28th