

**Minutes of the Lake Oakland County  
Lake Improvement Board Meeting  
August 30, 2023**

Rick Sabina called the meeting to order at 3:04 p.m. at the Oakland County Water Resources Commissioner's Office 1<sup>st</sup> Floor Meeting Room.

**PRESENT:** Rick Sabina, Citizen Member/Chairperson  
Stephanie Petriello, Oakland County WRC, Secretary  
Karen Joliat, Oakland County Board of Commissioners  
Paul Hausler, Progressive AE

**OPEN MEETING:**

All participants stated their name and affiliation for the record.

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

**APPROVAL OF THE MEETING AGENDA:**

Karen Joliat, supported by Stephanie Petriello, moved to accept the meeting agenda as presented (see Attachment 'B').

**Motion Carried Unanimously**

**APPROVAL OF MEETING MINUTES:**

Karen Joliat, supported by Stephanie Petriello, moved to accept the minutes as presented for the public meeting of July 17, 2023.

**Motion Carried Unanimously**

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

**OLD BUSINESS:**

A. Project Work Journal

Paul Hausler reviewed the project work journal dated August 20, 2023 (see Attachment 'C'). A negative balance is shown but that will be updated to account for the money that the board approved for transfer from the contingency fund at the July meeting.

A survey was conducted on August 13<sup>th</sup> to inspect the first harvest. Rick Sabina attended the pre-harvest survey on August 16<sup>th</sup> that was used to create the harvesting map (see Attachment 'D').

The water is currently high, and docks are underwater. The harvesters are planning to be out today (8/30/23) or as soon as they can with the conditions. This harvest will be the last activity of the year. Water samples were taken, and the reports should be available by the end of September or early October. Jared Laughlin will be out next week to conduct inspections.

Rick Sabina brought up the timing and notice given by the harvesters. The harvesters have been onsite twice now before Rick has received any notification. Paul Hausler indicated that he has a conversation scheduled with the owner soon to discuss this matter. The Progressive AE system for logging start and end dates does not currently allow for adjustments.

Paul Hausler discussed the herbicide and harvesting contracts. Typically, at the beginning of a new program, the contract work will be bid out. However, the Lake Oakland board just had the harvesting contract put out for bid last year and the current bidding environment is not conducive to a more competitive contract. Paul Hausler talked to both contractors and said they are willing to continue operating under their same contract with the same cost for one more year.

Rick Sabina called for a motion to extend the contracts for both herbicide treatment and plant harvesting through the 2024 season. Karen Joliat, supported by Stephanie Petriello, moved to extend the contracts with Aqua-Weed Control and Oakland Harvesters through the 2024 season.

#### **Motion Carried Unanimously**

- B. Stephanie Petriello presented the Oakland Press affidavits to show that they were publicized after the meeting. However, she has not received those invoices yet.
- C. Stephanie Petriello presented four additional returned letters that were received after the July meeting. They were included in the public meeting minutes. Stephanie will send those letters to Waterford Township and Independence Township to update their addresses.

#### **NEW BUSINESS:**

- A. Paul presented a copy of Progressive AE's professional service agreement. The new agreement is very similar in cost, but hydro-acoustic mapping was removed and replaced with three water quality sites. The total cost remained the same.

Karen Joliat, supported by Stephanie Petriello, moved to approve the Progressive AE contract for 2024-2028.

**Motion Carried Unanimously**

Rick Sabina signed the contract and Stephanie Petriello will scan it prior to sending a copy to Progressive AE (see Attachment 'E').

**PUBLIC COMMENTS:**

None.

**LAKE OAKLAND INVOICE:**

Rick Sabina outlined invoice #19794 from Aqua-Weed Control (dated 08/05/23) in the amount of \$3,173.75 for algae treatment of Lake Oakland on July 12, 2023.

Karen Joliat, supported by Stephanie Petriello, to approve payment of invoice #19794 in the amount of \$3,173.75.

**Motion Carried Unanimously**

**BOARD MEMBER COMMENTS:**

Board members discussed the purpose of an October meeting. It was decided that any new invoices would be approved via email and ratified during the spring meeting.

**MEETING SCHEDULE:**

The next Lake Board meeting will be held in the beginning of May. Progressive AE typically does a survey around the 1<sup>st</sup> of May. Stephanie will coordinate scheduling a meeting early next year for the spring.

**ADJOURNMENT:**

Karen Joliat, supported by Stephanie Petriello, moved to adjourn the meeting at 3:27 p.m.

**Motion Carried Unanimously**

*Stephanie L. Petriello*  
\_\_\_\_\_  
Stephanie L. Petriello  
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 30<sup>th</sup> day of August 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.

*Stephanie L. Petriello*  
Stephanie L. Petriello  
Lake Improvement Board Secretary  
For Lake Oakland

Dated:            May 2, 2024

# Attachment 'A'

**OAKLAND COUNTY WATER RESOURCES COMMISSIONER  
ATTENDANCE SHEET**

**DATE:** August 30, 2023 @ 3:00 p.m.      **FACILITATOR:** \_\_\_\_\_

**TYPE** Lake Improvement Board Meeting (WRC Lunch Room)

**TOPIC:** Lake Oakland Lake Improvement Board Meeting

PRINTED NAME	E-MAIL	ADDRESS	CONTACT NUMBER
Stephanie Petrello	petrellos@oakgov.com		
Haren Joliat	joliatk@yahoo.com		
PAUL HAUSLER	hauslerp@progressiveca.com		616-450-4716
Rick Sabina	sabina@oakland.edu		248-877-0150
Tina Miller	TMillerWalledLakeLIB@gmail.com		810-938-3131
DAVID GALLOWAY	David S Galloway	1177	

# Attachment 'B'

## **AGENDA**

### **LAKE OAKLAND LAKE IMPROVEMENT BOARD**

Wednesday, August 30, 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 August 30, 2023
3. Approval of Meeting Minutes from July 17, 2023
4. Old Business
  - a. Project Work Journal
    - i. Survey
    - ii. Herbicide Treatment
    - iii. Plant Harvesting
  - b. Oakland Press Affidavits
  - c. Additional Returned Letters
5. New Business
  - a. Progressive AE 2024-2028 Contact
6. Public Comments
7. Lake Oakland Invoices
  - a. Invoice approval (#19794, dated August 5, 2023 from Aqua-Weed Control for aquatic plant control treatment of Lake Oakland on July 12, 2023 in the amount of #3,173.75).
8. Lake Oakland Invoice Ratification
9. Board Member Comments
10. Schedule Next Meeting Date
11. Adjournment



# Attachment 'C'

**Project Work Journal**  
**Lake Oakland**

**2023**

**Beginning Balance: \$70,000.00**

Date	Type	Results					Remaining Balance
1/2/2023	Permit	2023 Permit Authorization					
<u>Application Date</u>	<u>Type</u>	<u>Target Species</u>	<u>Qty</u>	<u>Dose Rate</u>	<u>Cost</u>	<u>Remaining Balance</u>	
2/15/2023	Permit Fee		1.00 each		\$1,600.00	\$68,400.00	
					<b>Invoice 18654 Total</b>	<b>\$1,600.00</b>	<b>\$68,400.00</b>
4/24/2023	Other	Late April algae treatment					
<u>Treatment Date</u>	<u>Type</u>	<u>Target Species</u>	<u>Qty</u>	<u>Dose Rate</u>	<u>Cost</u>	<u>Remaining Balance</u>	
4/25/2023	Algae control (filamentous and planktonic)	Filamentous or Planktonic Algae	21.00 acre(s)		\$840.00	\$67,560.00	
					<b>Invoice 19168 Total</b>	<b>\$840.00</b>	<b>\$67,560.00</b>
5/1/2023	Survey	Initial Survey - JML, LJA, Rick S. Some milfoil found around the lake. H2O = 51.2 F					
<u>Treatment Date</u>	<u>Type</u>	<u>Target Species</u>	<u>Qty</u>	<u>Dose Rate</u>	<u>Cost</u>	<u>Remaining Balance</u>	
5/17/2023	Algae control (filamentous and planktonic)	Filamentous or Planktonic Algae	60.00 acre(s)		\$2,400.00	\$65,160.00	
5/17/2023	Flumioxazin and contacts	Curly-leaf Pondweed	4.00 acre(s)	100.00 ppb	\$1,400.00	\$63,760.00	
5/17/2023	ProcellaCOR	Eurasian Milfoil	33.50 PDU		\$3,852.50	\$59,907.50	
5/17/2023	Diquat dibromide @ 1 gal/acre + 4 PDU ProcellaCOR	Curly-leaf Pondweed Eurasian Milfoil	16.75 acre(s)		\$8,710.00	\$51,197.50	
					<b>Invoice 19362 Total</b>	<b>\$16,362.50</b>	<b>\$51,197.50</b>
6/8/2023	Survey	JML, MGP, Rick S. - Lots of milfoil found around shore, some algae and early starry growth.					

**Project Work Journal**  
**Lake Oakland**

2023

**Beginning Balance: \$70,000.00**

<u>Treatment Date</u>	<u>Type</u>	<u>Target Species</u>	<u>Qty</u>	<u>Dose Rate</u>	<u>Cost</u>	<u>Remaining Balance</u>
6/13/2023	Flumioxazin @ 150 ppb	Eurasian Milfoil Starry Stonewort	6.25 acre(s)		\$2,296.87	\$48,900.63
6/13/2023	Algae control (chelated copper only)	Filamentous or Planktonic Algae	12.00 acre(s)		\$1,140.00	\$47,760.63
6/13/2023	Diquat dibromide @ 1 gal/acre + 6 PDU ProcellaCOR	Eurasian Milfoil	19.25 acre(s)		\$14,437.50	\$33,323.13
6/13/2023	Diquat dibromide @ 1 gal/acre + 8 PDU ProcellaCOR	Eurasian Milfoil	1.25 acre(s)		\$1,225.00	\$32,098.13
<b>Invoice 19480 Total</b>					<b>\$19,099.37</b>	<b>\$32,098.13</b>
7/5/2023	Survey	JML, MGP, Rick S. - Treatment areas look good, pre-harvest survey.				
<u>7/10/2023 - 7/14/2023</u>	<u>Harvesting</u>	<u>Nuisance Native Plants</u>	<u>21.25 acre(s)</u>		<u>\$12,750.00</u>	<u>\$19,348.13</u>
<u>7/10/2023 - 7/14/2023</u>	<u>Harvesting of starry stonewort</u>	<u>Chara Starry Stonewort</u>	<u>16.50 acre(s)</u>		<u>\$11,550.00</u>	<u>\$7,798.13</u>
<b>Invoice Oakland1.23 Total</b>					<b>\$24,300.00</b>	<b>\$7,798.13</b>
7/12/2023	Algae control (filamentous and planktonic)	Filamentous or Planktonic Algae	7.25 acre(s)		\$290.00	\$7,508.13
7/12/2023	Chelated copper complex liquid	Wild Celery	4.25 acre(s)		\$1,360.00	\$6,148.13
7/12/2023	Flumioxazin @ 150 ppb + copper ethanolamine complex @ EGLE max rate	Curly-leaf Pondweed Starry Stonewort	2.50 acre(s)		\$1,062.50	\$5,085.63
7/12/2023	Macro-algae control: copper products only	Starry Stonewort	10.25 acre(s)		\$461.25	\$4,624.38
<b>Invoice 19794 Total</b>					<b>\$3,173.75</b>	<b>\$4,624.38</b>
7/13/2023	Survey	JML, MGP, Rick S. - Harvest Inspection. Harvest areas are looking good, should be finishing up by the end of the week.				
8/16/2023	Survey	PJH, MGP - Pre-harvest survey				

**Project Work Journal**  
**Lake Oakland**

2023

**Beginning Balance: \$70,000.00**


Treatment Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance
	Harvesting	Nuisance Native Plants	12.50 acre(s)		\$7,500.00	(\$2,875.62)
	Harvesting of starry stonewort	Starry Stonewort	1.00 acre(s)		\$700.00	(\$3,575.62)
				<b>Work Order Total</b>	<b>\$8,200.00</b>	<b>(\$3,575.62)</b>

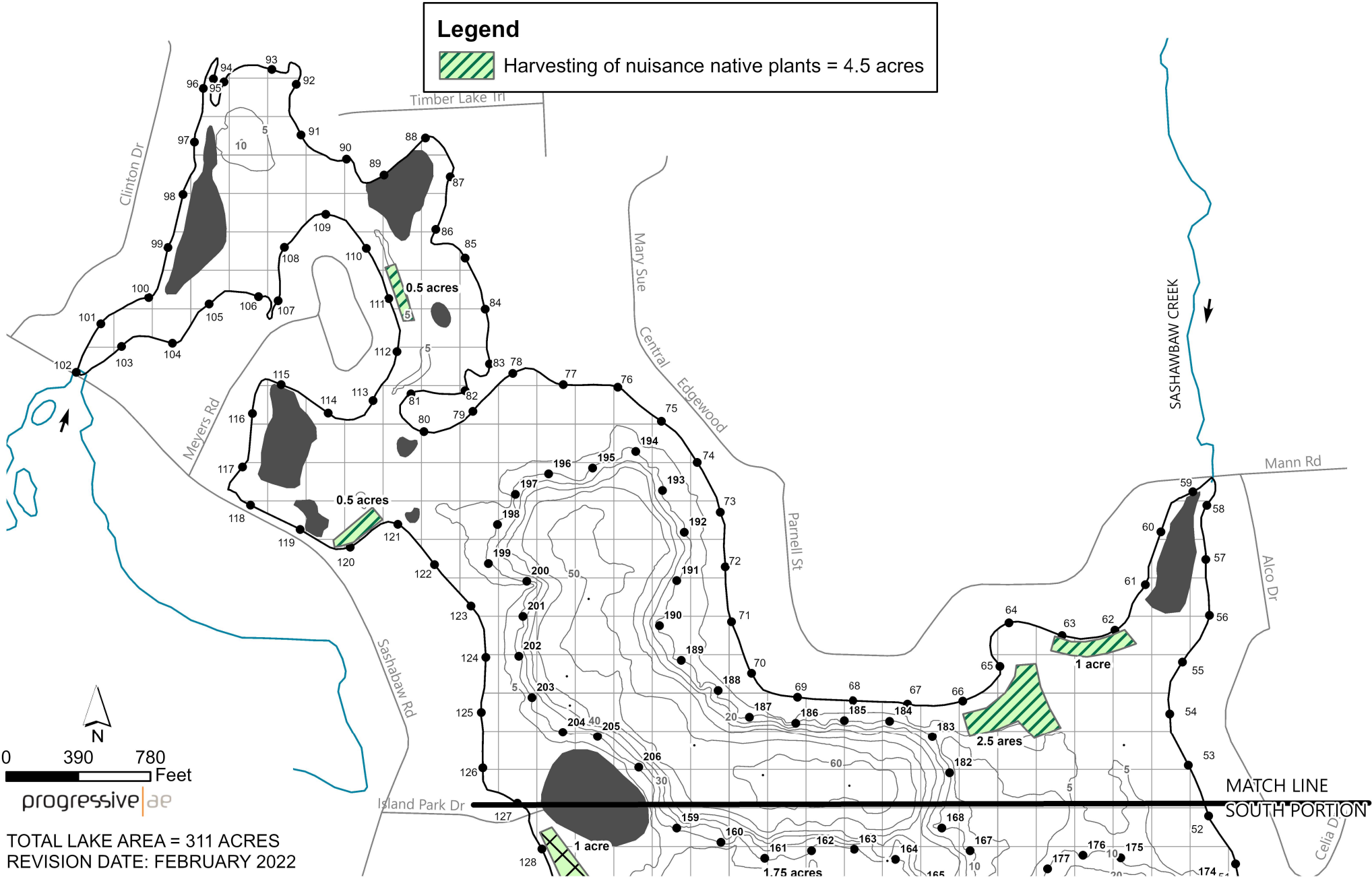
# Attachment 'D'

☐ = 1 ACRE

# LAKE OAKLAND (NORTH PORTION) OAKLAND COUNTY, MICHIGAN HARVEST MAP SURVEY DATE: AUGUST 16TH, 2023

## Legend

 Harvesting of nuisance native plants = 4.5 acres

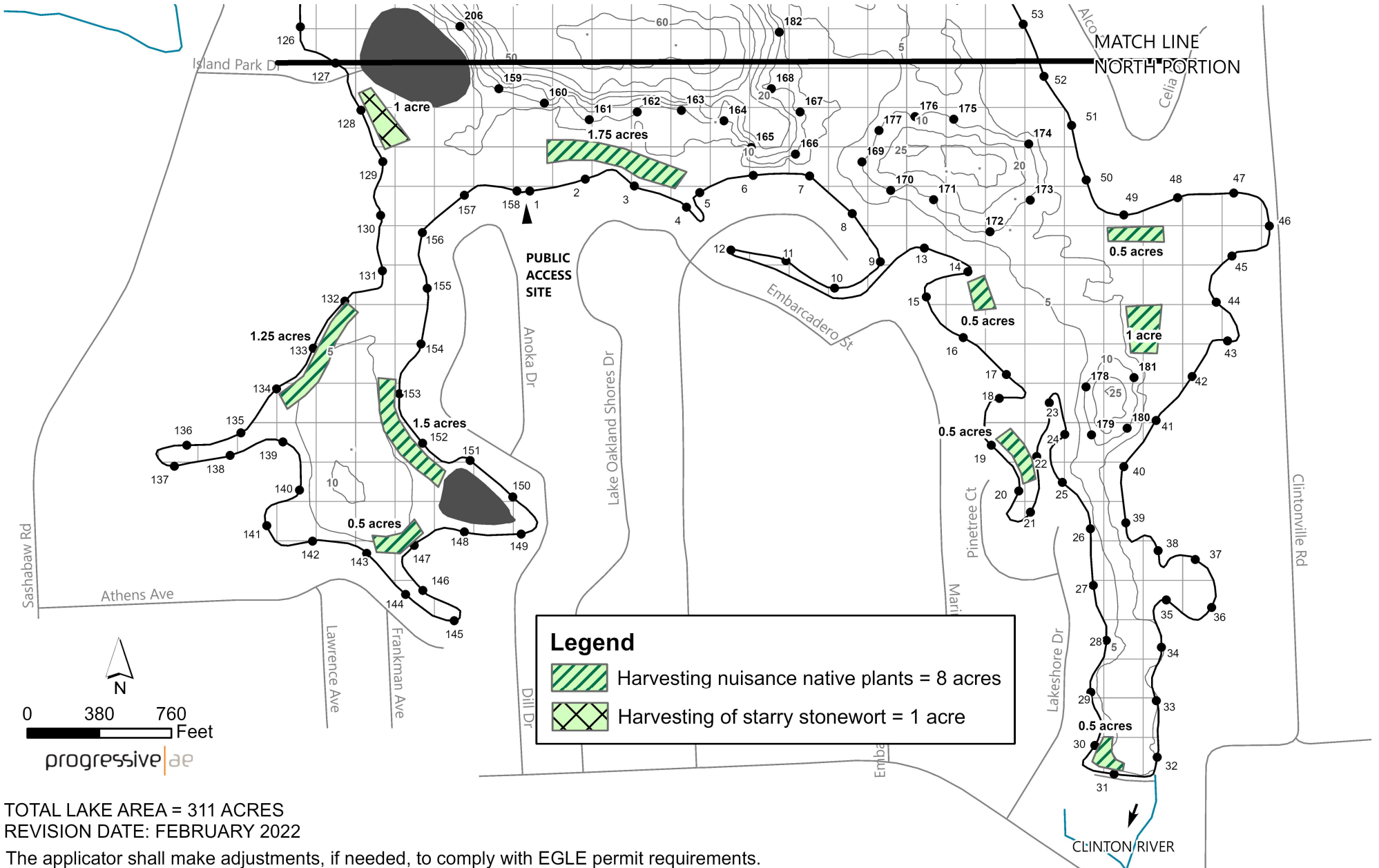


TOTAL LAKE AREA = 311 ACRES  
REVISION DATE: FEBRUARY 2022

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

**LAKE OAKLAND (SOUTH PORTION)  
OAKLAND COUNTY, MICHIGAN  
HARVEST MAP  
SURVEY DATE: AUGUST 16TH, 2023**

□ = 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 'E'



## LAKE OAKLAND IMPROVEMENT BOARD

### Professional Services Agreement Lake Oakland Improvement Program 2024 – 2028

This agreement is made and entered into this 30<sup>th</sup> day of August, 2023, by and between the Lake Oakland Improvement Board, hereinafter called the "Lake Board," and Progressive AE, hereinafter called the "Consultant."

Witness that in consideration of the covenants contained herein, the parties hereto agree as follows:

#### SECTION 1 – SERVICES

The Consultant will provide the following services related to the implementation of the Lake Oakland Improvement Project:

##### A. AQUATIC PLANT CONTROL

1. Prepare bid documents or contract extensions for the nuisance aquatic plant control project, as necessary.
2. Provide support data and documentation to assist with the acquisition of Department of Environment, Great Lakes, and Energy (EGLE) permits for the plant control project.
3. Conduct global positioning system (GPS)-guided surveys of the Lake Oakland (Lake) chain to determine the scope of work to be performed by the plant control contractor(s).
4. Provide prescriptive georeferenced maps to the plant control contractor(s) to guide plant control work.
5. Conduct surveys of the Lake to evaluate contractor performance.
6. Coordinate plant control activities to ensure work proceeds in an environmentally sound and cost-effective manner.
7. Confer with an authorized Lake resident representative regarding nuisance aquatic plant growth and contractor performance.
8. Conduct a late season detailed vegetation survey in accordance with the Department of Environment, Great Lakes, and Energy's (EGLE) *Procedures for Aquatic Vegetation Surveys*. With these procedures, plant species and relative abundance are recorded at each GPS reference point and the overall distribution of the aquatic plant community is calculated.
9. Maintain a written record of the date, scope, and cost of plant control activities and prepare a summary of plant control activities, including dates of treatment, herbicides applied, acres treated or harvested, and plants targeted.
10. Report findings to the Lake Board and guide the Lake Board in making payments to the contractor(s).

##### B. WATER QUALITY MONITORING

1. Water quality monitoring will be conducted in the spring and summer of each year of the program to monitor conditions in the Lake. Samples will be collected at 10-foot intervals, from the surface to bottom at the four deepest basins of the Lake, to measure temperature, dissolved oxygen, chloride, and total phosphorus. In addition, water transparency and surface water chlorophyll-a levels would be measured during each of the aforementioned sampling periods.
2. Prepare a written annual summary of sampling results.

Progressive AE, Inc.

Corporate Office: | 1811 4 Mile Road NE | Grand Rapids, MI 49525 | 616.361.2664 | progressiveae.com  
Regional Office: | 330 South Tryon Street, Suite 500 | Charlotte, NC 28202 | 704.731.8080 | progressiveae.com

**C. INFORMATION AND EDUCATION**

1. Post updates on Lake Board activities, the invasive plant control program, and links to other relevant information sources on the Lake Board's website ([www.lakeoaklandboard.org](http://www.lakeoaklandboard.org)).

**D. PROJECT ADMINISTRATION**

1. Consultant administrative services would include periodic attendance at meetings and the review and processing of contractor invoices.
2. Assist the Lake Board with the organizational proceedings required to continue the project beyond the current timeframe. This work element will include development of a project budget and assistance with the preparation of legal notices, resolutions, and attendance at the public hearings.

**SECTION 2 – PAYMENTS TO THE CONSULTANT**

For services performed, the Lake Board agrees to pay the Consultant as follows:

- A. The annual cost of the services outlined in Section 1(A) will be \$10,000 (ten thousand dollars).
- B. The annual cost of the services outlined in Section 1(B) will be \$4,500 (four thousand five hundred dollars).
- C. The annual cost of the services outlined in Section 1(C) will be \$3,000 (three thousand dollars).
- D. The annual cost of the services outlined in Section 1(C) will be \$2,500 (two thousand five hundred dollars).
- E. The total annual cost of the services outlined herein is \$20,000 (twenty thousand dollars) per year for five years (2024 to 2028). The Consultant will bill for its services on a stipulated sum basis quarterly at a rate of \$5,000 (five thousand dollars) per quarter.

**PAYMENT TERMS**

Payment is due upon presentation and shall be considered past due if not paid within thirty (30) calendar days of the date of invoice. Invoices past due shall accrue interest at one percent (1%) per month from the original invoice date. If past due invoices cause PROGRESSIVE to proceed with legal action or collection services, the OWNER agrees to pay all of PROGRESSIVE'S collection expenses including reasonable attorney fees.

**PROFESSIONAL LIABILITY INSURANCE AND LIMITATION OF LIABILITY**

PROGRESSIVE maintains professional liability insurance as part of its normal business practice. The OWNER agrees to limit PROGRESSIVE'S liability to the OWNER and to all Construction Contractors and Subcontractors on the project due to PROGRESSIVE'S negligent acts, errors, or omissions, such that the total aggregate liability of PROGRESSIVE to all those named shall not exceed the amount of PROGRESSIVE'S compensation for the Project.

The Lake Oakland Improvement Board may terminate this contract at its discretion if the Consultant fails to provide the services outlined herein in a timely and professional manner.

Progressive AE, Inc.

Corporate Office: | 1811 4 Mile Road NE | Grand Rapids, MI 49525 | 616.361.2664 | [progressiveae.com](http://progressiveae.com)  
Regional Office: | 330 South Tryon Street, Suite 500 | Charlotte, NC 28202 | 704.731.8080 | [progressiveae.com](http://progressiveae.com)

IN WITNESS WHEREOF, the Lake Oakland Improvement Board and Progressive AE hereby execute this agreement.

**PROGRESSIVE AE**

By: Paul Hausler  
Paul J. Hausler  
Water Resources Practice Leader

Digitally signed by Paul Hausler  
Date: 2023.06.27 11:17:26-04'00'

By: Jeffrey M. Roman PE, LEED AP  
Director of Engineering

Digitally signed by Jeffrey M Roman  
DN: C=US,  
E=romanj@progressiveae.com,  
O=ProgressiveAE, OU=Engineering,  
CN=Jeffrey M Roman  
Reason: I am approving this document  
Date: 2023.06.27 12:19:56-04'00'

**LAKE OAKLAND IMPROVEMENT BOARD**

By: Richard L. Salina, Chair  
Authorized Representative  
Lake Oakland Improvement Board

PJH/ecy  
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