

**Minutes of the Lake Oakland County  
Lake Improvement Board Meeting  
May 1, 2024**

Rick Sabina called the meeting to order at 3:01 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  
Kimberly Markee, Waterford Township Clerk (virtual)  
Paul Hausler, Progressive AE  
Jared Laughlin, Progressive AE  
Michael Perzyk, Resident

**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:**

Rick Sabina asked for Goose Nest Disruption to be added to the agenda under New Business (5a).

Kim Markee, supported by Karen Joliat, moved to accept the meeting agenda as amended (see Attachment 'B').

**Motion Carried Unanimously**

**APPROVAL OF MEETING MINUTES:**

Kim Markee noted that an incorrect date was listed in the meeting minutes on page 4 and should be updated to "August 30, 2023."

Karen Joliat, supported by Kim Markee, moved to accept the minutes as amended for the August 30, 2023 Lake Improvement Board meeting.

**Motion Carried Unanimously**

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

**OLD BUSINESS:**

A. Project Work Journal

Jared Laughlin reviewed the project work journal dated April 29, 2024 (see Attachment 'C'). He shared that the first plant survey of the year is scheduled for May 6, 2024. This survey will be looking for Eurasian Milfoil and Curly-Leaf Pondweed. It will also address nuisance algae.

Rick Sabina asked if Starry Stonewort is an issue yet. Jared Laughlin mentioned that Progressive has seen it on about half of the lakes that they've surveyed so far. If it is an issue on Lake Oakland, Progressive will recommend early treatment. Based on the survey results, an herbicide treatment is expected to be conducted in mid to late May.

B. Herbicide Treatment

Rick Sabina asked about the treatment regime for Eurasian Milfoil. Paul Hausler indicated that the treatment would likely be a combination of ProcellaCOR and Diquat dibromide. Jared Laughlin indicated that this year's permit (see Attachment 'D') allows for treatment within the dam setback, specifically for the exotics.

Four spring water samples were taken in March (see Attachment 'E') but the data has not yet been reviewed.

Kim Markee mentioned that algae is growing in the Sashabaw Creek area.

C. Plant Harvesting

Rick Sabina confirmed that the first harvest will likely be in early July.

**NEW BUSINESS:**

A. Goose Nest Disruption

Rick Sabina was contacted by a riparian, who coordinated the Goose Busters effort last year, and was told that he received another permit for this year. Rick Sabina asked for additional details such as whether or not addling was an option, but he has not heard back. The riparian asked if the Lake Improvement Board would underwrite the cost, estimated to be around \$400.00, again this year. Last year, Goose Busters removed the eggs and destroyed the nests.

The riparian might first ask the HOA to approve the cost. Nest removal would cover the whole lake. Paul Hausler reminded the Board that there is a line item for goose treatment (\$2,500).

Kimberly Markee confirmed that her office has a resolution for goose mitigation. If Lake Oakland proceeds with treatment, the Board will need a permit from both Waterford Township and Independence Township.

Paul Hausler asked if beetles will be used to control purple loosestrife this year. Rick Sabina does not plan to purchase and disperse beetles this year but may revisit the option next year.

**PUBLIC COMMENTS:**

Michael Perzyk, Resident, noted that the Item 8a in the May meeting agenda had an incorrect treatment date and should be updated to “August 28, 2023, through August 30, 2023.” This will be corrected in the meeting minutes.

**LAKE OAKLAND INVOICE:**

Rick Sabina outlined invoice #00197163 from Progressive AE (dated 04/01/24) in the amount of \$5,000 for quarterly lake management administration and oversight from 1/1/24 to 3/31/24.

Karen Joliat, supported by Kimberly Markee, to approve payment of invoice #00197163 in the amount of \$5,000.

**Motion Carried Unanimously**

**LAKE OAKLAND INVOICE RATIFICATION:**

Rick Sabina outlined invoice #2-2023 from Oakland Harvesters (dated September 28, 2023) in the amount of \$8,200 for nuisance aquatic plant control work performed on Lake Oakland from August 28, 2023 through August 30, 2023.

Stephanie Petriello, supported by Kimberly Markee, to ratify payment of invoice #2-2023 in the amount of \$8,200.

**Motion Carried Unanimously**

Rick Sabina outlined invoice #00194767 from Progressive AE (dated October 2, 2023) in the amount of \$5,000 for quarterly lake management administration and oversight from 7/1/23 to 9/30/23.

Karen Joliet, supported by Kimberly Markee, to ratify payment of invoice #00194767 in the amount of \$5,000.

**Motion Carried Unanimously**

Rick Sabina outlined invoice #00196086 from Progressive AE (dated January 2, 2024) in the amount of \$5,000 for quarterly lake management administration and oversight from 10/1/23 to 12/31/23.

Kimberly Markee, supported by Karen Joliet, to ratify payment of invoice #00196086 in the amount of \$5,000.

**Motion Carried Unanimously**

Rick Sabina outlined invoice #20432 from Aqua-Weed Control, Inc. (dated February 9, 2024) in the amount of \$1,600 for the 2024 EGLE permit application fee related to 2024 treatments of invasive and nuisance weeds in Lake Oakland.

Karen Joliet, supported by Stephanie Petriello, to ratify payment of invoice #20432 in the amount of \$1,600.

**Motion Carried Unanimously**

**BOARD MEMBER COMMENTS:**

None.

**MEETING SCHEDULE:**

The next Lake Board meeting will be held on June 12<sup>th</sup> at 3:00 PM. Stephanie will send out a meeting invitation to the board. A survey is scheduled for June 11<sup>th</sup>.

**ADJOURNMENT:**

Karen Joliat, supported by Kimberly Markee, moved to adjourn the meeting at 3:34 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 1<sup>st</sup> day of May 2024, 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:            June 13, 2024

**Attachment 'A'**

**OAKLAND COUNTY WATER RESOURCES COMMISSIONER  
ATTENDANCE SHEET**

**DATE:** May 1, 2024 @ 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	petriellos@oakgov.com	WRC	947-500-7006
Jared Laughlin	jlaughlin@weareprogressive.com	12114 MILE NE GRAND RAPIDS, MI	616 402 4533
PAUL HAUSLER	phausler@weareprogressive.com	↑	616 450-4716
Rick Sabina	Sabina@oakland.edu	3112 PINE TREE CT	248-877-0150
Michael Perzyk	baker785@hotmail.com	3790 Rutherford CT	248-892-3518
Karen Joliat	joliatk@oakgov	4181 Lakewood	248 935 6132
Kim Markee	(VIRTUAL)		

# Attachment 'B'



## AGENDA

### LAKE OAKLAND LAKE IMPROVEMENT BOARD

Wednesday, May 1, 2024 – 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 May 1, 2024
3. Approval of Meeting Minutes from August 30, 2023
4. Old Business
  - a. Project Work Journal
    - i. Survey
  - b. Herbicide Treatment
    - i. EGLE Permit
    - ii. Tentative Schedule
    - iii. Notices
  - c. Plant Harvesting
    - i. Tentative Schedule
5. New Business
  - a. Goose Nest Disruption
6. Public Comments
7. Lake Oakland Invoices
  - a. Invoice approval (#00197163, dated April 1, 2024 from Progressive AE for quarterly lake management administration and oversight (1/1/24 to 3/31/24) in the amount of \$5,000).
8. Lake Oakland Invoice Ratification
  - a. Ratification of Oakland Harvesters Invoice #2-2023 (dated September 28, 2023) for nuisance aquatic plant control work performed on Lake Oakland from August 28, 2023 thru August 30, 2023. Rick Sabina, supported by Stephanie Petriello, to pay invoice in the amount of \$8,200.
  - b. Ratification of Progressive AE Invoice #00194767 (dated October 2, 2023) for quarterly lake management administration and oversight (7/1/23 to 9/30/23). Rick Sabina, supported by Stephanie Petriello, to pay invoice in the amount of \$5,000.

- c. Ratification of Progressive AE Invoice #00196086 (dated January 2, 2024) for quarterly lake management administration and oversight (10/1/23 to 12/31/23). Rick Sabina, supported by Stephanie Petriello, to pay invoice in the amount of \$5,000.
  - d. Ratification of Aqua-Weed Control, Inc. Invoice #20432 (dated February 9, 2024) for the 2024 EGLE permit application fee related to 2024 treatments of invasive and nuisance weeds in Lake Oakland. Rick Sabina, supported by Stephanie Petriello, to pay invoice in the amount of \$1,600.
- 9. Board Member Comments
  - 10. Schedule Next Meeting Date
  - 11. Adjournment

# Attachment 'C'

**Project Work Journal  
Lake Oakland**

**2024**

**Beginning Balance: \$80,000.00**

Date	Type	Results	Application Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance
1/16/2024	Permit	Permit Authorization							
			2/1/2024	Permit Fee		1.00 each		\$1,600.00	\$78,400.00
							<b>Invoice 20432 Total</b>	<b>\$1,600.00</b>	<b>\$78,400.00</b>

5/6/2024 Survey

# Attachment 'D'



January 8, 2024

Mr. Casey Thompson  
Aqua-Weed Control, Inc.  
414 Hadley Street  
Holly, MI 48442

Re: Lake Oakland, Oakland County  
Authorization to Submit Permit Application

Dear Mr. Thompson:

Please be informed that the Lake Oakland Improvement Board desires to extend your contract for herbicide application into 2024. You are hereby authorized to apply herbicides to Lake Oakland in 2024 on behalf of the Lake Oakland Improvement Board under the terms of the required Michigan Department of Environment, Great Lakes, and Energy permit.

Sincerely,

Progressive AE

A handwritten signature in black ink that reads "Jared M. Laughlin". The signature is fluid and cursive, with a large loop at the end of the last name.

Jared M. Laughlin  
Water Resources Scientist

JML

P:\01100100\Water Resources\CMaster\Permit Application Authorization and Instructions\_Merge\_Jared.docx



**Lake Oakland, Oakland County  
2024 Permit Application and Invoicing Instructions  
Liability Insurance Requirements**

**PERMIT APPLICATION**

**Name of applicant:** Aqua-Weed Control, Inc.

**Submit application on behalf of:** Lake Oakland Improvement Board

**Authority:** Inland Lake Improvement Board

**Anticipated treatment acreage:** 100 acres or more

**Application Fee:** \$1600

**Vegetation targeted for control:** Eurasian milfoil, curly-leaf pondweed, starry stonewort, nuisance natives, and nuisance algae

**Lake contact person(s):** Rick Sabina: sabina@oakland.edu (248) 941-7142  
Stephanie Petriello: petriellos@oakgov.com (248) 841-3006

**Special instructions:** Add flumioxazin @ 150 ppb for invasives inside the outlet setback area on your permit application.

**SCHEDULING AND INVOICING**

Scheduling and invoicing should be conducted through Progressive's online system at: [water.progressiveae.com](http://water.progressiveae.com)

**LIABILITY INSURANCE**

The Contractor shall furnish satisfactory proof of insurance coverage including worker's compensation at statutory limits and general liability coverage for bodily injury and property damage in the minimum amount of \$1,000,000 for each occurrence of bodily injury and \$1,000,000 for each occurrence of property damage. Said general liability insurance shall include a Contractors Pollution Liability Coverage Endorsement that will cover Contractor's liability for pollution related to the application of herbicides, pesticides, or chemicals.

The general liability, umbrella, and professional liability insurance obtained must name, as additional insured:

Lake Oakland Improvement Board and Progressive AE

No later than April 1, 2024, submit your insurance certificate to Emily Yasick ([yasicke@progressiveae.com](mailto:yasicke@progressiveae.com)).

## Herbicide Costs Lake Oakland

2024

<u>Work Description</u>	<u>Unit Cost</u>	<u>Unit of Measure</u>	<u>Dose Rate</u>	<u>Dose Rate UOM</u>
2,4-D amine	\$580.00	acre(s)	180.00	lbs/acre
2,4-D ester	\$480.00	acre(s)	150.00	lbs/acre
Algae control (chelated copper only)	\$95.00	acre(s)		
Algae control (filamentous and planktonic)	\$40.00	acre(s)		
Chelated Copper Complex Granular (Harpoon)	\$325.00	acre(s)	200.00	lbs/acre
Chelated copper complex liquid	\$320.00	acre(s)		
Dipotassium salt of endothall @ 1 gal/acre	\$160.00	acre(s)		
Dipotassium salt of endothall/diquat-dibromide complex @ 4 gal./acre	\$500.00	acre(s)		
Diquat dibromide @ 1 gal/acre + 6 PDU ProcellaCOR	\$750.00	acre(s)		
Diquat dibromide @ 1 gal/acre	\$150.00	acre(s)		
Diquat dibromide @ 1 gal/acre + 4 PDU ProcellaCOR	\$520.00	acre(s)		
Diquat dibromide @ 1 gal/acre + 8 PDU ProcellaCOR	\$980.00	acre(s)		
Diquat dibromide @ 2 gal/acre	\$180.00	acre(s)		
Endothall for nuisance natives	\$200.00	acre(s)		
Flumioxazin	\$490.00	acre(s)	200.00	ppb
Flumioxazin @ 150 ppb	\$367.50	acre(s)		
Flumioxazin @ 150 ppb + copper ethanolamine complex @ EGLE max rate	\$425.00	acre(s)		
Flumioxazin and contacts	\$350.00	acre(s)	100.00	ppb
Loosestrife control	\$200.00	acre(s)		
Macro-algae control: copper and monoamine salt of endothall	\$70.00	acre(s)		
Macro-algae control: copper products only	\$45.00	acre(s)		
Phragmites control	\$200.00	acre(s)		
ProcellaCOR	\$115.00	PDU		
SeClear G @ 50 lbs/acre	\$425.00	acre(s)		
Tricopyr granular	\$625.00	acre(s)	180.00	lbs/acre
Tricopyr liquid	\$250.00	acre(s)	3.00	gallons/acre
Water lily control (40' x 40' sections)	\$300.00	each		



## Lake Oakland Aquatic Herbicide Treatment Payment Submittal Form

Date of Treatment: \_\_\_\_\_

Shade, color, or hatch area(s) on attached map for each chemical.

Show your shading, coloring, or hatching scheme here: \_\_\_\_\_

	CHEMICAL USED	METHOD OF APPLICATION	RATE OF APPLICATION (ex. 100 lbs/acre; 2.6 lbs/acre-foot)	TREATMENT AREA SIZE (acres)	AVERAGE DEPTH (feet)	TOTAL AMOUNT (ex. 4 gallons, 10 lbs.)	FOR CONTROL OF: (Plant and/or Algae names)
<input type="checkbox"/>	Chemical Brand: Generic Name:						
<input type="checkbox"/>	Chemical Brand: Generic Name:						
<input type="checkbox"/>	Chemical Brand: Generic Name:						
<input type="checkbox"/>	Chemical Brand: Generic Name:						
<input type="checkbox"/>	Chemical Brand: Generic Name:						
<input type="checkbox"/>	Chemical Brand: Generic Name:						
<input type="checkbox"/>	Chemical Brand: Generic Name:						
<input type="checkbox"/>	Chemical Brand: Generic Name:						

Signature of applicator: \_\_\_\_\_

\_\_\_\_\_ (printed)

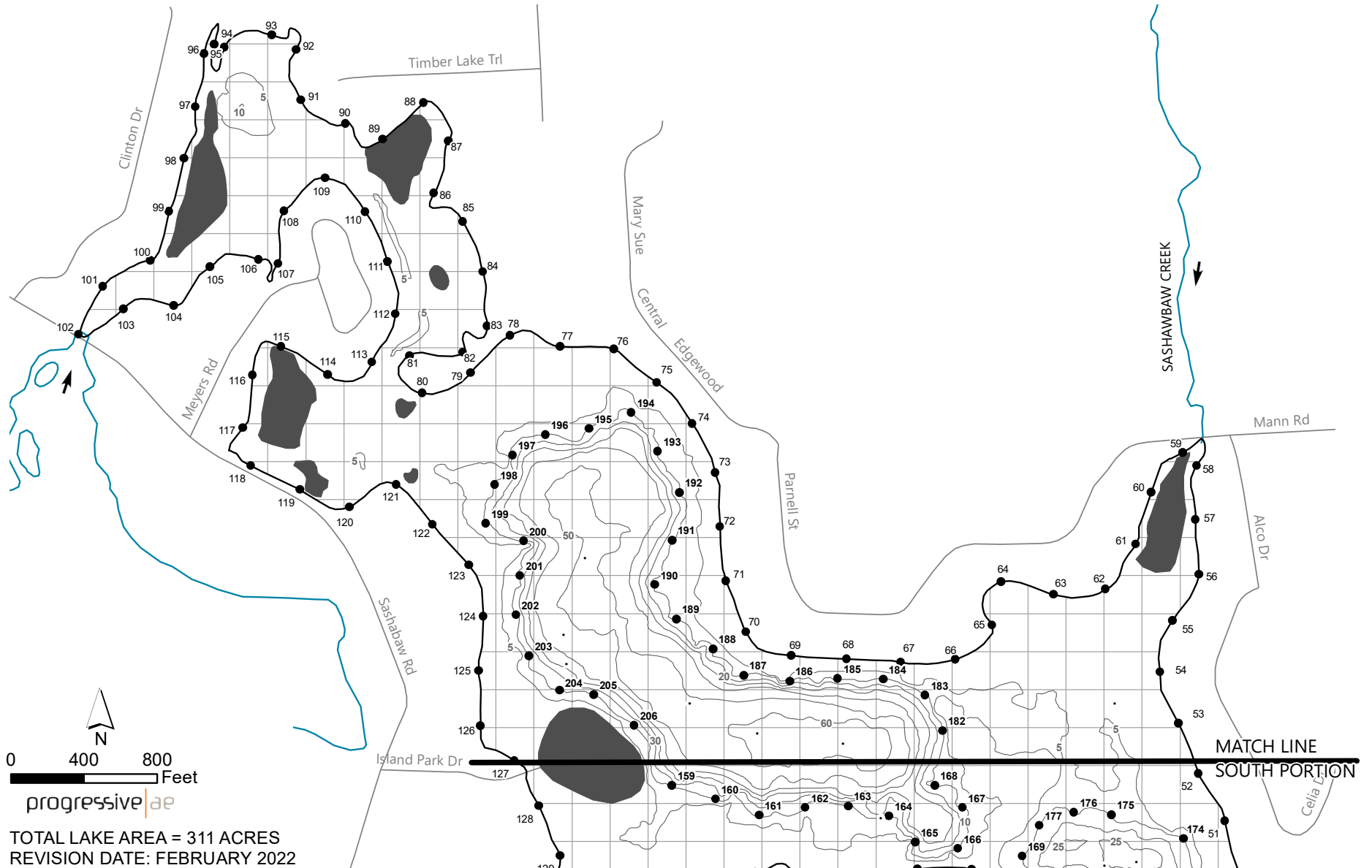
Complete all portions of this document, including treatment map, and upload with invoice to:

[water.progressiveae.com](http://water.progressiveae.com)

□ = 1 ACRE

# LAKE OAKLAND (NORTH PORTION) OAKLAND COUNTY, MICHIGAN PAYMENT SUBMITTAL MAP

TREATMENT DATE: \_\_\_\_\_



TOTAL LAKE AREA = 311 ACRES  
REVISION DATE: FEBRUARY 2022

## Lake Oakland Aquatic Herbicide Treatment Payment Submittal Form

Date of Treatment: \_\_\_\_\_

Shade, color, or hatch area(s) on attached map for each chemical.

Show your shading, coloring, or hatching scheme here: \_\_\_\_\_

	CHEMICAL USED	METHOD OF APPLICATION	RATE OF APPLICATION (ex. 100 lbs/acre; 2.6 lbs/acre-foot)	TREATMENT AREA SIZE (acres)	AVERAGE DEPTH (feet)	TOTAL AMOUNT (ex. 4 gallons, 10 lbs.)	FOR CONTROL OF: (Plant and/or Algae names)
<input type="checkbox"/>	Chemical Brand: Generic Name:						
<input type="checkbox"/>	Chemical Brand: Generic Name:						
<input type="checkbox"/>	Chemical Brand: Generic Name:						
<input type="checkbox"/>	Chemical Brand: Generic Name:						
<input type="checkbox"/>	Chemical Brand: Generic Name:						
<input type="checkbox"/>	Chemical Brand: Generic Name:						
<input type="checkbox"/>	Chemical Brand: Generic Name:						
<input type="checkbox"/>	Chemical Brand: Generic Name:						

Signature of applicator: \_\_\_\_\_

\_\_\_\_\_ (printed)

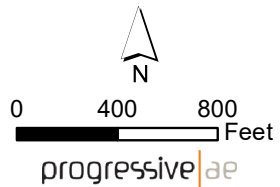
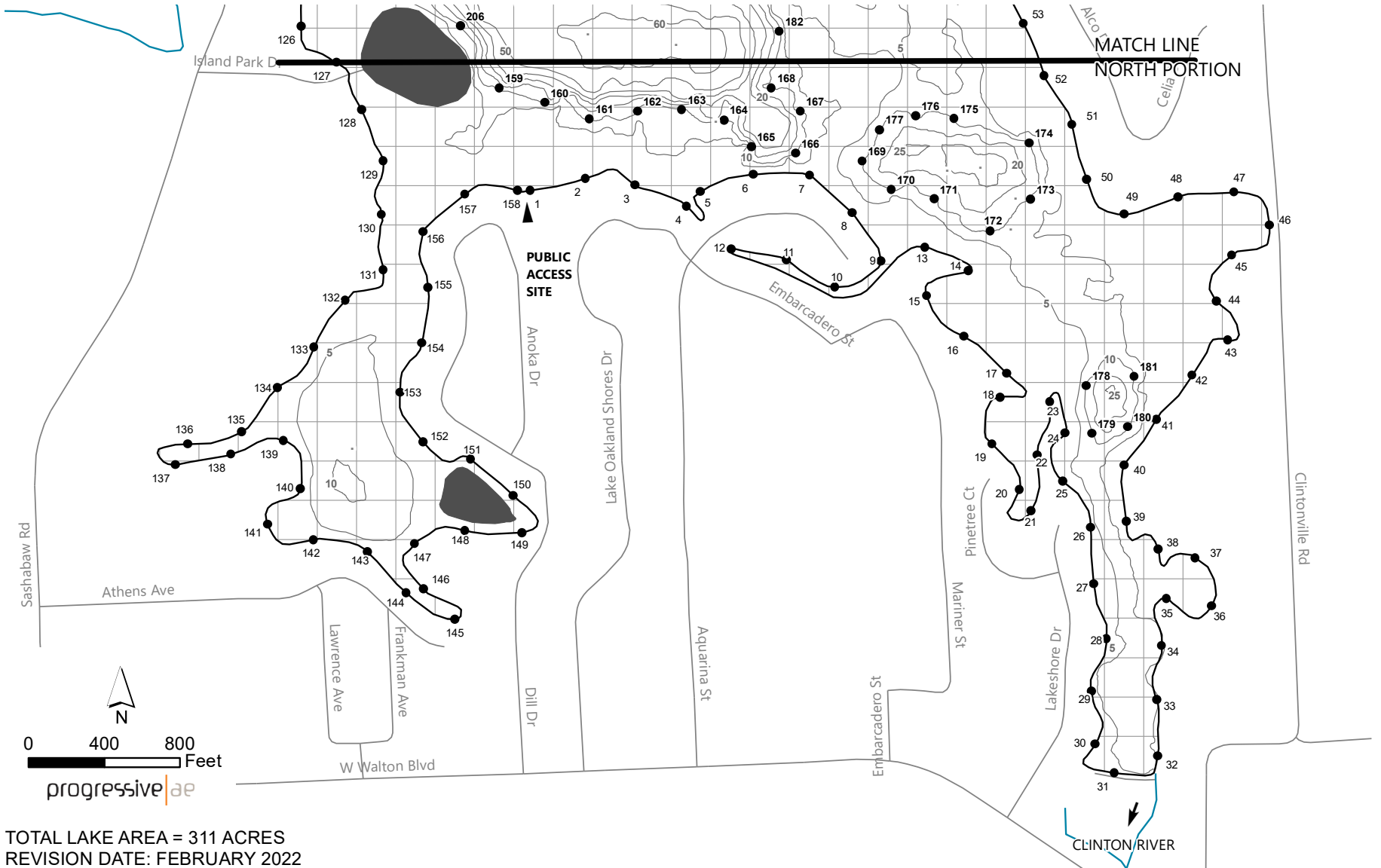
Complete all portions of this document, including treatment map, and upload with invoice to:

[water.progressiveae.com](http://water.progressiveae.com)

**LAKE OAKLAND (SOUTH PORTION)  
OAKLAND COUNTY, MICHIGAN  
PAYMENT SUBMITTAL MAP**

□ = 1 ACRE


TREATMENT DATE: \_\_\_\_\_




TOTAL LAKE AREA = 311 ACRES  
REVISION DATE: FEBRUARY 2022

# Attachment 'E'

**Legend**

-  Sampling Location

 N

0 500 1,000 Feet

progressive|ae

