

**INDIANHEAD LAKE  
LAKE IMPROVEMENT BOARD  
MEETING**

**June 11, 2024**

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A meeting of the Indianhead 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 3:00 P.M.

The meeting was called to order by Jerry at 3:01 p.m.

PRESENT: Jerry Cook – Chairperson  
Sara Stalbaum-Beechy – Douglass Township Representative  
Todd Sattler – Treasurer, Drain Commissioner

ABSENT: Daniel Campos – Abutting Property Owner's Representative  
Phil Kohn – Board of Commissioner's Representative

ALSO

PRESENT: Rick Buteyn – Progressive AE  
Luke Aaron – Progressive AE  
Anne Gaylord - MCDC

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

A motion was made by Sara and seconded by Todd to approve the minutes from September 13, 2023, as presented. Motion carried.

Public Comment

No public present.

Treatment Update

Luke provided a treatment update to the board, see attached treatment journals and maps. No milfoil was found during the last survey. He advised that the next survey is scheduled for July 2.

Financial Update

Todd provided a financial update to the board, including a current balance of \$24,269.79. He noted that the special assessment settlement was received in May and the board is earning around \$70.00 in interest monthly.

Public Hearing


Todd provided a proposed map and assessment roll for the 2024 – 2028 cycle. He advised that the proposed benefit factor changes are based solely on the parcel's legal rights to the lake and proximity. He also noted that he would like to remove the contiguous parcel factor. Luke presented a proposed budget of \$13,500.00 per year. The Board would like

to hold the public hearing on Tuesday August 6<sup>th</sup>, with Monday August 5<sup>th</sup> as a back-up date. Anne will contact Douglass Township Hall for availability. Anne is to send Jerry the verbiage to send out to residents to ensure understanding.

Other Business

The next meeting will be held on July 30, 2024, at 3:00 to finalize plans for the public hearing.

There being no further business to come before the Lake Board, a motion was made by Sara and seconded by Todd to adjourn the meeting at 3:52 p.m. Motion carried.



Todd Sattler, Secretary  
Indianhead 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 Indianhead 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 Indianhead Lake, Lake Improvement Board.



Todd Sattler  
Montcalm County Drain Commissioner

**INDIANHEAD LAKE  
LAKE IMPROVEMENT BOARD  
MEETING**

**June 11, 2024**

**3:00 P.M.**

MONTCALM COUNTY DRAIN COMMISSION  
211 W. Main Street  
Stanton, Michigan

Agenda

- Call to Order
- Approval of Agenda
- Approval of Minutes
  - September 13, 2023
- Public Comments
- Weed Control Program
- Financial Update
- Public Hearing
  - Date
  - Budget
  - Benefit Factors
- Other Business
- Adjourn

**If you cannot attend, please call 989-831-7322 at least two days prior to the meeting.**

**Board Members:**

Sara Staulbaum-Beechy - Douglass Township Representative  
Jerry Cook - Chair  
Todd Sattler - Montcalm County Drain Commissioner  
Pat Carr - Board of Commissioners Representative  
Daniel Campos - Abutting Property Owners Representative

## Project Work Journal

### Indianhead Lake

**2024**
**Beginning Balance: \$6,500.00**

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		\$450.00	\$6,050.00	
				Invoice 3011893	\$450.00	\$6,050.00	
				Total			
5/20/2024	Survey	LJA and PFO survey. Water: 76 degrees. Found curly-leaf pondweed and algae. No milfoil observed.					
Treatment Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance	
5/29/2024	Flumioxazin and contacts	Curly-leaf Pondweed	5.00 acre(s)		\$2,517.75	\$3,532.25	
5/29/2024	Algae control (chelated copper only)	Filamentous or Planktonic Algae	7.25 acre(s)		\$797.50	\$2,734.75	
				Invoice 3013051	\$3,315.25	\$2,734.75	
				Total			
6/25/2024	Follow Up						



**INDIANHEAD LAKE  
MONTCALM COUNTY, MICHIGAN  
TREATMENT MAP  
SURVEY DATE: MAY 20 2024**

**Treatment**

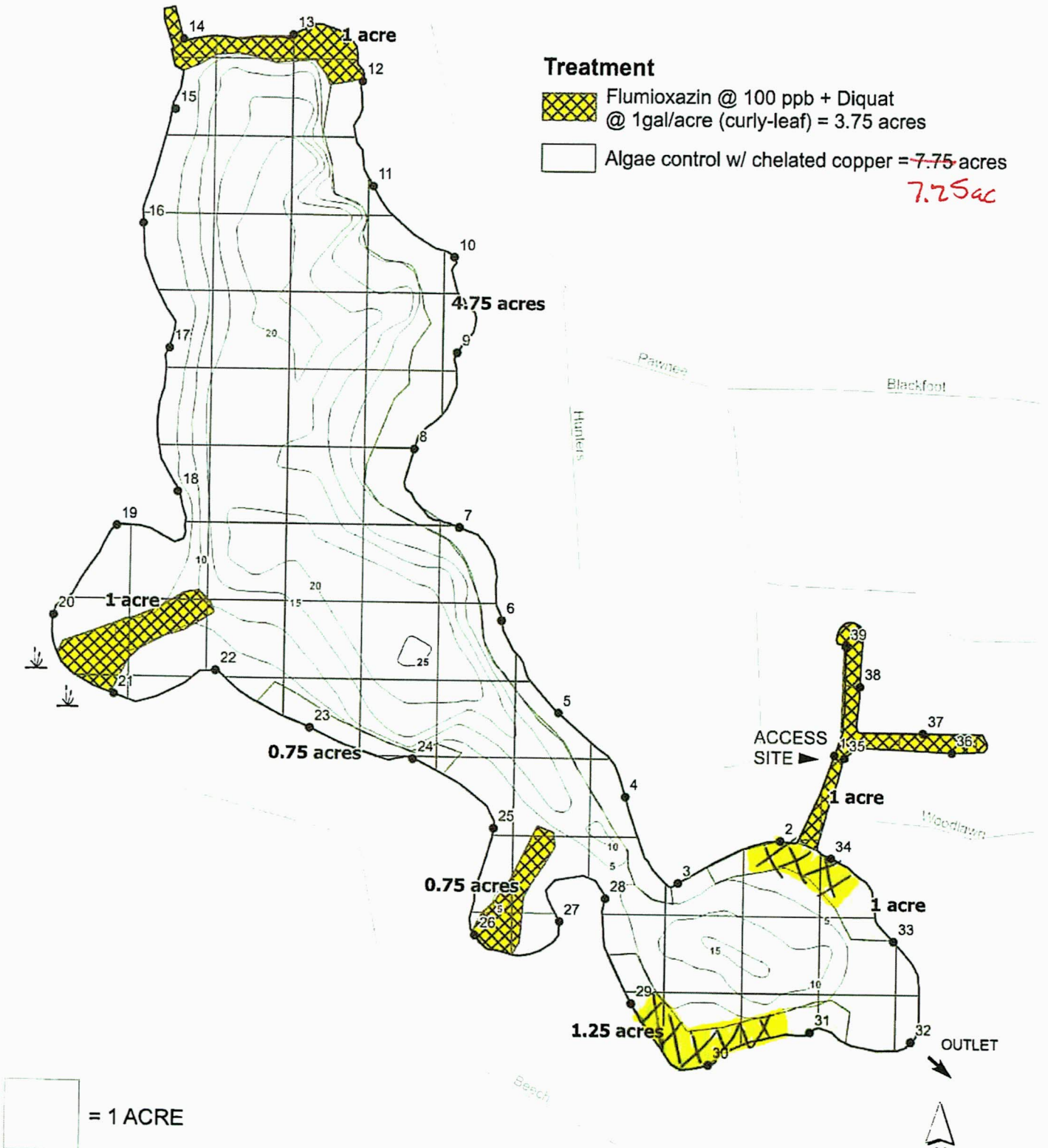


Flumioxazin @ 100 ppb + Diquat  
@ 1gal/acre (curly-leaf) = 3.75 acres



Algae control w/ chelated copper = ~~7.75~~ acres

**7.25 ac**



= 1 ACRE

LAKE AREA: 49 ACRES  
REVISION DATE: FEBRUARY 2022

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

0 190 380 Feet

progressive | **ac**



**Indianhead Lake Finance Sheet 2020 - 2024 (84022)**

Tuesday, June 11, 2024

Date	Vendor	Description	Check Number	Expenses	Revenue	Balance
10/1/2019		Beginning Balance				\$ 13,556.66
10/10/2019	Progressive AE	4th Quarter Lake Consulting Fee	148811	\$ 1,375.00		\$ 12,181.66
10/24/2019	PLM Lake & Land Management	Invoice # 198053 Water Quality Sampling	149191	\$ 600.00		\$ 11,581.66
1/6/2020	Progressive AE	1st Quarter Lake Consulting Fee	151213	\$ 1,375.00		\$ 10,206.66
2/24/2020	PLM Lake & Land Management	2020 Permit Fee	151736	\$ 400.00		\$ 9,806.66
3/30/2020	Progressive AE	2nd Quarter Lake Consulting Fee	152714	\$ 1,375.00		\$ 8,431.66
4/20/2020	Ernie Combs	Access to Indianhead Lake for Weed Control	152756	\$ 100.00		\$ 8,331.66
5/31/2020	Montcalm County	2019 Tax Settlement			\$ 12,500.00	\$ 20,831.66
6/3/2020	PLM Lake & Land Management	Weed & Algae Treatment	154060	\$ 1,154.22		\$ 19,677.44
7/2/2020	Progressive AE	3rd Quarter Lake Consulting Fee	154062	\$ 1,375.00		\$ 18,302.44
7/16/2020	PLM Lake & Land Management	Weed & Algae Treatment	154896	\$ 614.59		\$ 17,687.85
9/30/2020	Montcalm County	Allocations		\$ 348.36		\$ 17,339.49
10/13/2020	Progressive AE	4th Quarter Lake Consulting Fee	155659	\$ 1,375.00		\$ 15,964.49
10/27/2020	Spicer Group	Fund Support	156014	\$ 50.00		\$ 15,914.49
1/19/2021	Progressive AE	1st Quarter Lake Consulting Fee	157254	\$ 1,375.00		\$ 14,539.49
2/22/2021	State of Michigan	2021 Permit Fee	158245	\$ 400.00		\$ 14,139.49
4/8/2021	Progressive AE	2nd Quarter Lake Consulting Fee	158616	\$ 1,375.00		\$ 12,764.49
4/26/2021	Ernie Combs	Access to Indianhead Lake for Weed Control	158929	\$ 100.00		\$ 12,664.49
3/31/2021	Indianhead Lake	Interest			\$ 44.77	\$ 12,709.26
4/30/2021	Montcalm County	2020 Delinquent Settlement			\$ 2,058.45	\$ 14,767.71
5/1/2021	Montcalm County	2020 Collected Settlement			\$ 10,441.55	\$ 25,209.26
6/22/2021	PLM Lake & Land Management	6/02/2021 Weed & Algae Treatment	160014	\$ 1,314.41		\$ 23,894.85
7/6/2021	Progressive AE	3rd Quarter Lake Consulting Fee	160330	\$ 1,375.00		\$ 22,519.85
7/29/2021	PLM Lake & Land Management	06/22/2021 Algae Treatment	160798	\$ 175.81		\$ 22,344.04
9/16/2021	PLM Lake & Land Management	09/01/2021 Treatment	161675	\$ 953.52		\$ 21,390.52
10/7/2021	Progressive AE	4th Quarter Lake Consulting Fee	162065	\$ 1,375.00		\$ 20,015.52
1/20/2022	Progressive AE	1st Quarter Lake Consulting Fee	163988	\$ 1,375.00		\$ 18,640.52
1/20/2022	PLM Lake & Land Management	2022 Permit Fee	163986	\$ 400.00		\$ 18,240.52
4/7/2022	Progressive AE	2nd Quarter Lake Consulting Fee	165494	\$ 1,375.00		\$ 16,865.52
4/28/2022	Ernie Combs	Boat Launch	166012	\$ 100.00		\$ 16,765.52
5/23/2022	Montcalm County	2021 Collected Settlement			\$ 10,545.10	\$ 27,310.62
5/23/2022	Montcalm County	2021 Delinquent Settlement			\$ 1,954.90	\$ 29,265.52
7/7/2022	Spicer Group	Account Support	167408	\$ 32.80		\$ 29,232.72
7/7/2022	Spicer Group	Account Support	167408	\$ 41.75		\$ 29,190.97
7/14/2022	Progressive AE	3rd Quarter Lake Consulting Fee	167583	\$ 1,375.00		\$ 27,815.97
7/21/2022	PLM Lake & Land Management	05/18/2022 Algae Treatment	167632	\$ 1,500.60		\$ 26,315.37



8/11/2022	PLM Lake & Land Management	07/11/2022 Algae Treatment	168143	\$ 496.59		\$ 25,818.78
10/17/2022	Progressive AE	4th Quarter Lake Consulting Fee	169529	\$ 1,375.00		\$ 24,443.78
1/19/2023	Progressive AE	1st Quarter Lake Consulting Fee	171352	\$ 1,375.00		\$ 23,068.78
1/31/2023	Huntington Bank	Interest Income			\$ 51.92	\$ 23,120.70
2/28/2023	Huntington Bank	Interest Income			\$ 87.19	\$ 23,207.89
3/31/2023	Huntington Bank	Interest Income			\$ 71.27	\$ 23,279.16
2/28/2023	PLM Lake & Land Management	2023 Permit Fee	172282	\$ 875.00		\$ 22,404.16
4/4/2023	Ernie Combs	Boat Launch	172865	\$ 100.00		\$ 22,304.16
4/20/2023	Progressive AE	2nd Quarter Lake Consulting Fee	173256	\$ 1,375.00		\$ 20,929.16
4/30/2023	Huntington Bank	Interest Income			\$ 65.77	\$ 20,994.93
5/2/2023	Montcalm County	2022 Delinquent Settlement			\$ 1,269.23	\$ 22,264.16
5/8/2023	Montcalm County	2022 Collected Settlement			\$ 7,230.77	\$ 29,494.93
5/31/2023	Huntington Bank	Interest Income			\$ 77.81	\$ 29,572.74
5/16/2023	PLM Lake & Land Management	Sonar Treatment	173915	\$ 2,857.50		\$ 26,715.24
6/5/2023	PLM Lake & Land Management	05/24/2023 Sonar Treatment	174289	\$ 1,080.00		\$ 25,635.24
6/30/2023	Huntington Bank	Interest Income			\$ 82.74	\$ 25,717.98
7/13/2023	PLM Lake & Land Management	06/16/2023 Algae Treatment	175093	\$ 1,100.00		\$ 24,617.98
7/20/2023	Progressive AE	3rd Quarter Lake Consulting Fee	175147	\$ 1,375.00		\$ 23,242.98
7/31/2023	Huntington Bank	Interest Income			\$ 76.23	\$ 23,319.21
8/10/2023	PLM Lake & Land Management	07/28/2023 Algae Treatment	175516	\$ 74.02		\$ 23,245.19
8/31/2023	Huntington Bank	Interest Income			\$ 76.56	\$ 23,321.75
9/30/2023	Huntington Bank	Interest Income			\$ 72.88	\$ 23,394.63
10/19/2023	Progressive AE	4th Quarter Lake Consulting Fee	177051	\$ 1,375.00		\$ 22,019.63
10/31/2023	Huntington Bank	Interest Income			\$ 71.10	\$ 22,090.73
11/30/2023	Huntington Bank	Interest Income			\$ 68.13	\$ 22,158.86
12/31/2023	Huntington Bank	Interest Income			\$ 70.71	\$ 22,229.57
1/16/2024	Progressive AE	1st Quarter Lake Consulting Fee	178927	\$ 1,375.00		\$ 20,854.57
1/31/2024	Huntington Bank	Interest Income			\$ 67.99	\$ 20,922.56
2/29/2024	Huntington Bank	Interest Income			\$ 62.69	\$ 20,985.25
3/7/2024	PLM Lake & Land Management	2024 EGLE Permit Fee	179950	\$ 450.00		\$ 20,535.25
3/31/2024	Huntington Bank	Interest Income			\$ 70.01	\$ 20,605.26
4/11/2024	Ernie Combs	Boat Launch	180762	\$ 100.00		\$ 20,505.26
4/11/2024	Progressive AE	2nd Quarter Lake Consulting Fee	180780	\$ 1,375.00		\$ 19,130.26
4/30/2024	Huntington Bank	Interest Income			\$ 63.63	\$ 19,193.89
5/13/2024	Montcalm County	2023 Collected Settlement			\$ 3,984.25	\$ 23,178.14
5/13/2024	Montcalm County	2023 Delinquent Settlement			\$ 1,015.75	\$ 24,193.89
5/31/2024	Huntington Bank	Interest Income			\$ 75.90	\$ 24,269.79
Remaining Balance						\$ 24,269.79



**INDIANHEAD LAKE IMPROVEMENT PROGRAM  
PROPOSED ANNUAL BUDGET  
2025 - 2029**

Improvement	Annual Cost
Aquatic Plant Control	\$6,500
Lake Management Consulting	\$6,000
Administration and Contingency	\$1,000
<b>Total Annual Cost</b>	<b>\$13,500</b>

### **Aquatic Plant Control**

The Indianhead Lake improvement program will include the select use of aquatic herbicides to control aquatic plant growth. The plant control program will focus primarily on invasive species such as Eurasian milfoil and curly-leaf pondweed.



Eurasian milfoil (*Myriophyllum spicatum*)



Curly-leaf pondweed (*Potamogeton crispus*)



Starry stonewort (*Nitellopsis obtusa*)

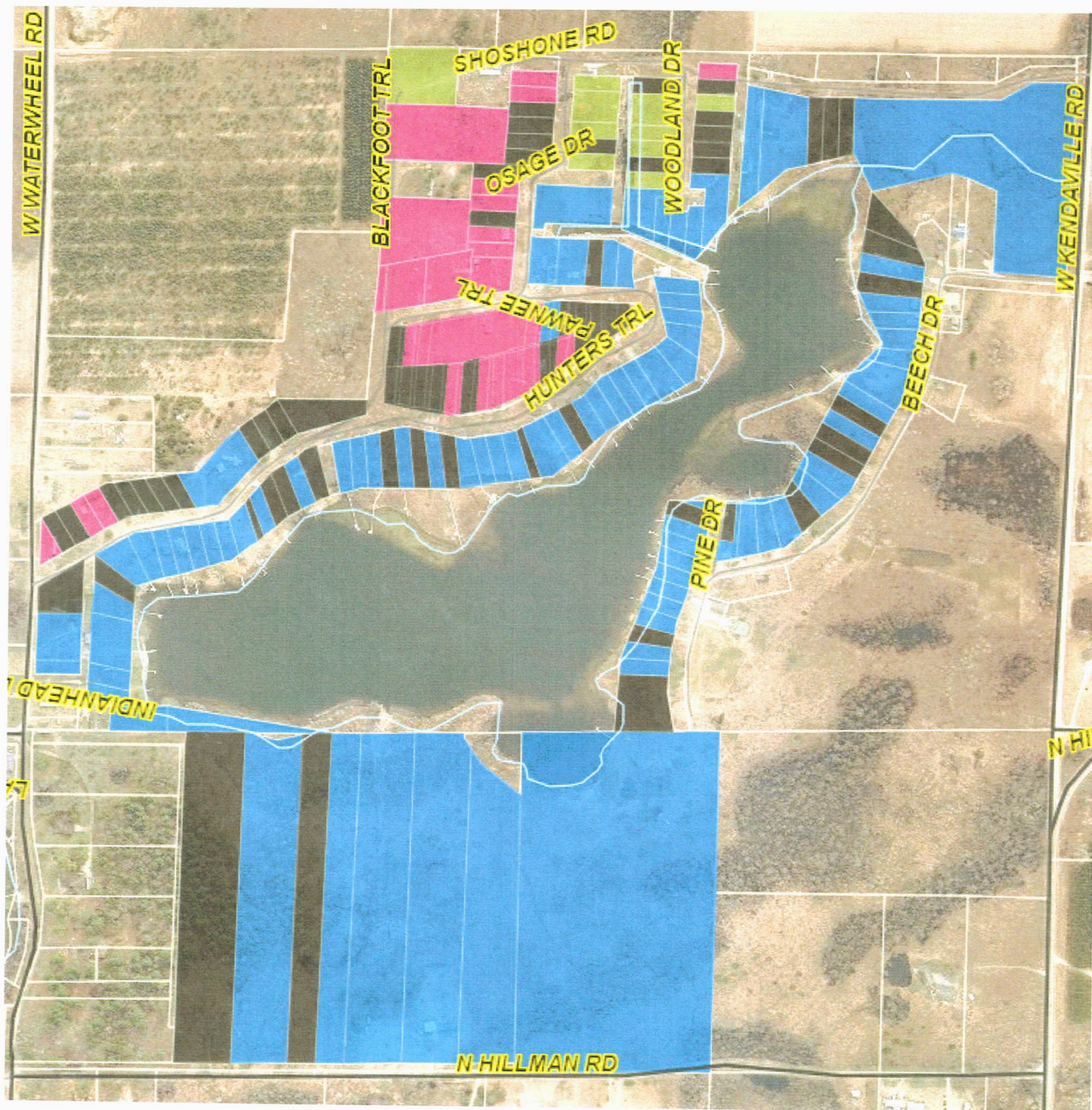
### **Lake Management Consulting**

Plant control activities are proposed to be coordinated under the direction of the board's environmental consultant. The consultant would be responsible for preparing bid documents and/or contract extensions for the plant control program, assisting the lake board with the selection of the plant control contractors, conducting GPS-guided surveys of the lake to determine the scope of work to be performed by plant control contractors, and performing follow-up inspections to ensure work is performed in a satisfactory manner. The consultant would report to the lake board regarding the performance of the plant control contractors and would make recommendations to the lake board regarding payments to the contractors. Consultant administrative services would include periodic attendance at meetings, the review and processing of contractor invoices, and assistance with public hearing proceedings.

### **Project Administration**

Project administration would include costs related to legal notices and hearing proceedings, postage, copies, mailings, and meetings.







Indianhead 2024



- ☒ Direct
- ☐ Indirect
- ☐ Channel



**INDIANHEAD LAKE**  
**LAKE IMPROVEMENT BOARD MEETING**

**June 11, 2024**

**3:00 P.M.**

**Drain Commissioner's Office**

**ATTENDANCE RECORD**

1. Todd Sattler
2. JERRY COOK
3. LUKE AARON
4. Rick Buxton
5. Jan Huber Beechey
6. Anne Gaylord
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
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15. \_\_\_\_\_