

COWDEN LAKE
LAKE IMPROVEMENT BOARD
MEETING

September 16, 2024

A meeting of the Cowden Lake, Lake Improvement Board was held at the Montcalm County Drain Commission, 211 W. Main Street, Stanton, Michigan on the 16th day of September 2024 at 4:00 P.M.

The meeting was called to order by Todd M at 4:08 p.m.

PRESENT: Todd McClelland – Chairperson
Jerry Wright – Abutting Property Owner's Representative
Victor Matulis – Maple Valley Township Representative
Todd Sattler – Treasurer/Drain Commissioner

ABSENT: Pat Carr – Board of Commissioner's Representative

ALSO

PRESENT: Luke Aaron – Progressive AE
Anne Gaylord – MCDC

A motion was made by Todd S and seconded by Jerry to approve the agenda. Motion carried.

A motion was made by Todd S and seconded by Jerry to approve the minutes from May 21, 2024, as amended. Motion carried.

Public Comment
No public present.

Treatment Update

Luke provided a treatment update to the board, see attached journal. Luke advised that the ProCellacor/Diquat mix did not work on the milfoil as it usually does. The lake required another treatment with Triclopyr on 9/11. The effects of the treatment should be visible in early October. There is still significant wild celery after the treatment. Luke believes the light winter contributed to the growth as he is seeing it on other area lakes, too. Jerry asked if sonar affects wild celery. Luke said he could look into it, but he doesn't believe that would be a great solution. He advised that he is doing a deep dive into wild celery treatments on another lake. There were no algae issues on the lake this season. The treatment budget was overspent of \$1,100 due to the milfoil issues.

Financial Update

Todd S provided a financial update to the board, including a current balance of \$46,293.59. He noted that there are still 2 outstanding invoices for treatment and 1 for the consulting fee for a total of \$9,853.63.

Special Assessment Roll

Todd S presented a special assessment roll to the board with the splits and combinations that were completed this year.

Other Business

No other business.

There being no further business to come before the Lake Board, a motion was made by Todd S and seconded by Victor to adjourn the meeting at 4:58 p.m. Motion carried.



Todd Sattler, Secretary
Cowden 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 Cowden Lake, Lake Improvement Board, Montcalm County, Michigan held on September 16, 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 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 Cowden Lake, Lake Improvement Board.



Todd Sattler
Montcalm County Drain Commissioner

**COWDEN LAKE
LAKE IMPROVEMENT BOARD
MEETING**

September 16, 2024
4:00 P.M.

MONTCALM COUNTY DRAIN COMMISSION

211 W. Main Street
Stanton, Michigan

Agenda

- Call to Order
- Approval of Agenda
- Approval of Minutes
 - May 21, 2024
- Public Comment
- Treatment Update
- Financial Update
- Special Assessment
- Other Business
- Adjourn

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

Board Members

Todd McCelland, Maple Valley Township Representative/Chairperson
Jerry Wright, Abutting Property Owner's Representative
Victor Matulis, Maple Valley Township Representative
Pat Carr, Board of Commissioner's Representative
Todd Sattler, Secretary/Montcalm County Drain Commissioner

Project Work Journal
Cowden Lake

2024

Beginning Balance: \$16,000.00

Date	Type	Results
1/18/2024	Permit	2024 Permit Authorization

Application Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance
4/5/2024	Permit Fee		1.00 each		\$875.00	\$15,125.00
					Invoice 1187 Total	\$875.00
						\$15,125.00

5/23/2024	Survey	Survey by: LJA and PFO. Water: 73 degrees. Found milfoil and curly-leaf along most of the shoreline.				
Treatment Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance
6/4/2024	Diquat dibromide @ 1 gal/acre	Curly-leaf Pondweed	0.25 acre(s)		\$56.70	\$15,068.30
6/4/2024	Diquat dibromide @ 1 gal/acre + 6 PDU ProcellaCOR	Curly-leaf Pondweed Eurasian Milfoil	12.25 acre(s)		\$8,207.50	\$6,860.80
					Invoice 1256 Total	\$8,264.20
						\$6,860.80

6/27/2024	Survey	Survey by: LJA and PFO. Water: 75 degrees. Notes: Milfoil treatment largely unsuccessful - recommending re-treatment at reduced cost. Found significant wild-celery growth. Submitting two treatment maps as many milfoil and celery areas overlap.				
Treatment Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance
7/11/2024	Chelated copper complex liquid	Wild Celery	7.50 acre(s)		\$3,355.27	\$3,505.53
7/11/2024	Diquat dibromide @ 1 gal/acre	Eurasian Milfoil	6.00 acre(s)		\$1,360.86	\$2,144.67
					Work Order Total	\$4,716.13
						\$2,144.67

7/30/2024	Survey	Survey by: LJA and PFO. Water: 82 degrees. Notes: Milfoil still not dying back. Found some additional celery areas. Good water clarity. Returning next month to map out remaining dense milfoil areas for late-season systemic treatment.				
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Project Work Journal
Cowden Lake

2024

Beginning Balance: \$16,000.00

9/4/2024 Survey Survey by: LJA and JAD.
 Water: 74 degrees.
 Notes: Some milfoil still standing. Opting to treat larger/healthier areas and leave the rest as much of it appears to be brown and not growing. Significant wild celery around most of the shoreline - flowered despite treatment in early July.

Treatment Date	Type	Target Species	Qty	Dose Rate	Cost	Remaining Balance
9/11/2024	Triclopyr liquid	Hybrid Milfoil	7.50 acre(s)	3.00 gallons/acre	\$3,262.50	(\$1,117.83)
Invoice 1330 Total						\$3,262.50
						(\$1,117.83)

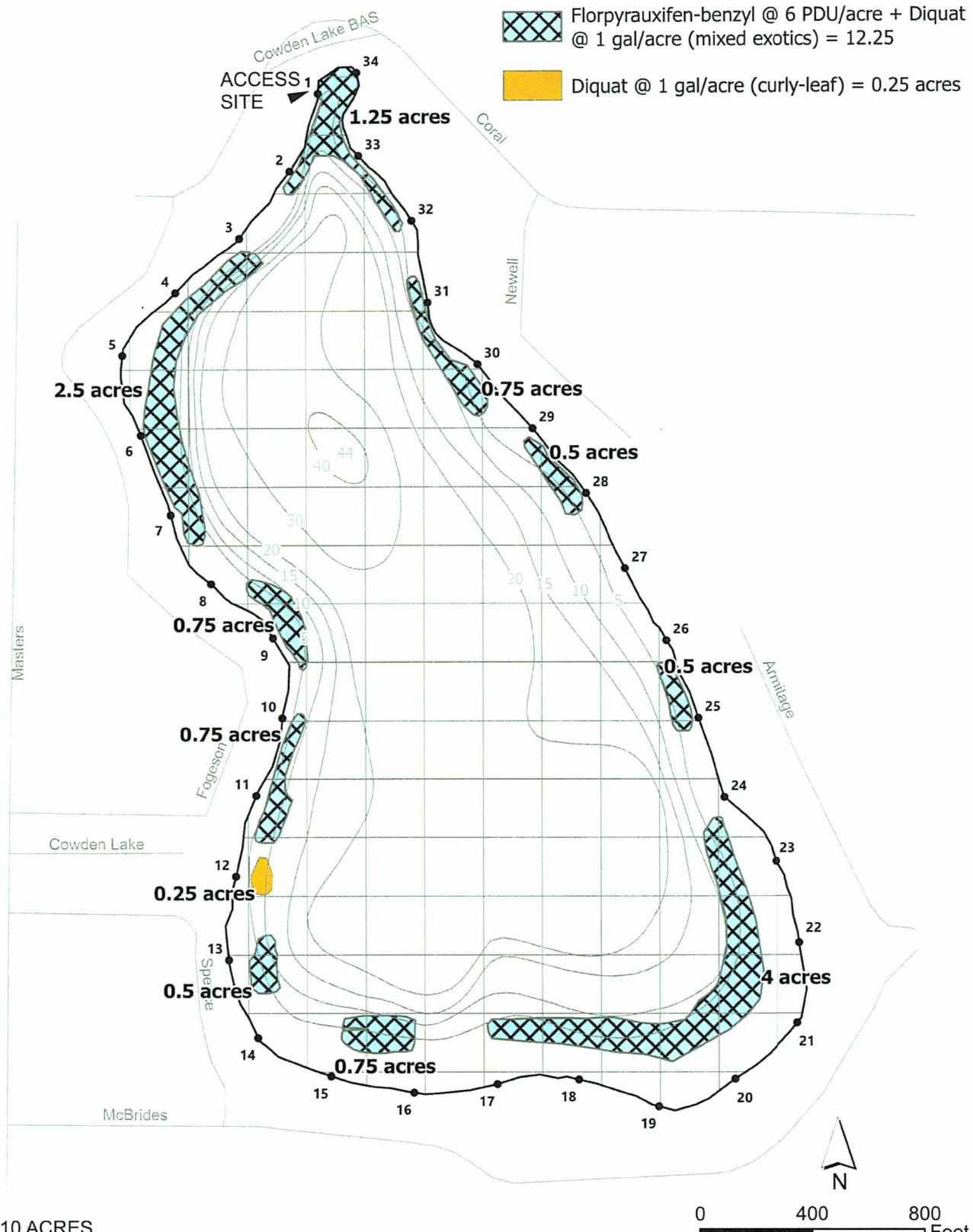
**COWDEN LAKE
MONTCALM COUNTY, MICHIGAN
TREATMENT MAP
SURVEY DATE: MAY 20, 2024**

 = 1 ACRE

Treatment

 Florpyrauxifen-benzyl @ 6 PDU/acre + Diquat @ 1 gal/acre (mixed exotics) = 12.25

 Diquat @ 1 gal/acre (curly-leaf) = 0.25 acres



LAKE AREA = 110 ACRES

REVISION DATE: FEBRUARY 2022

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

progressive | ae

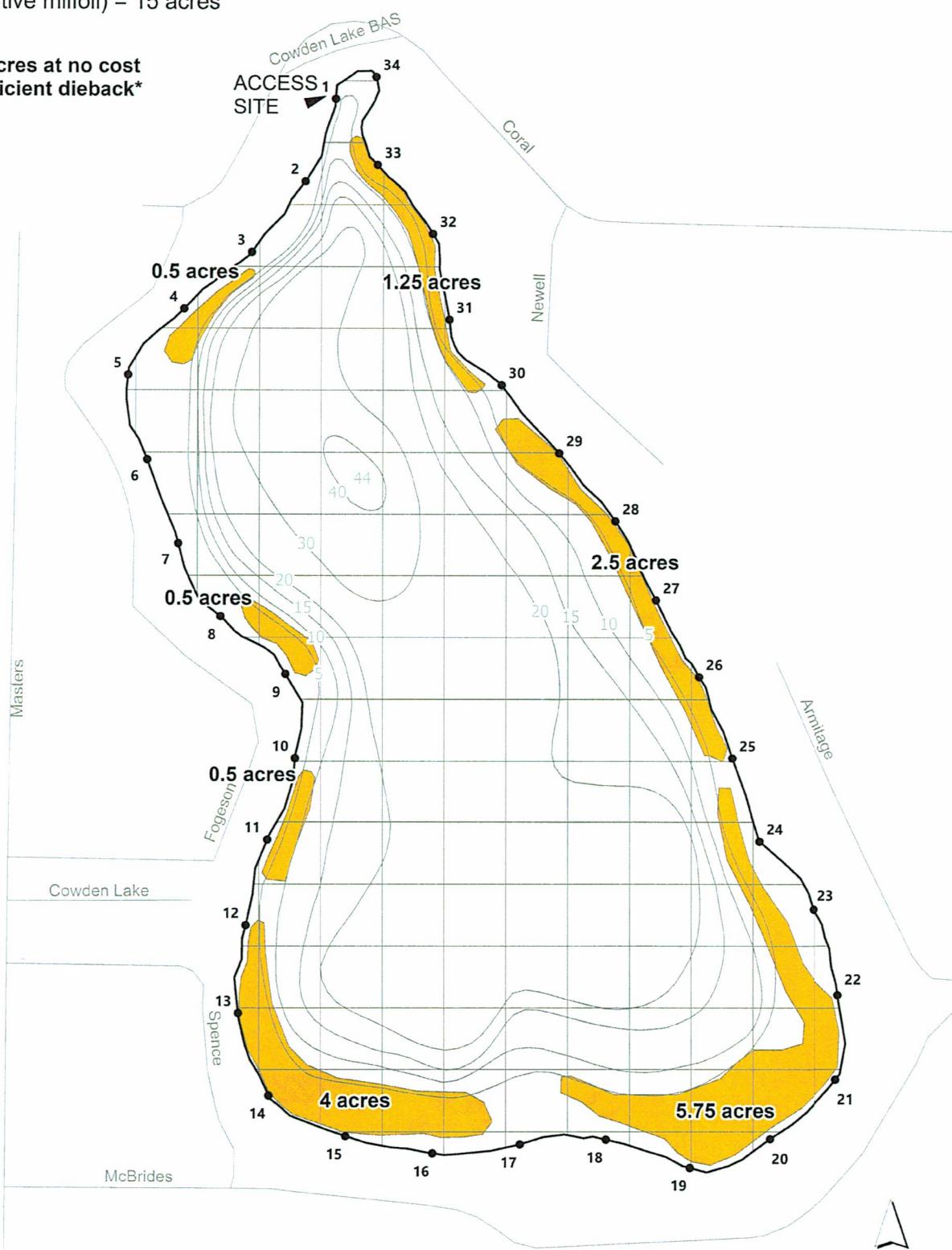
COWDEN LAKE
MONTCALM COUNTY, MICHIGAN
TREATMENT MAP 1 OF 2
SURVEY DATE: JUNE 27, 2024

 = 1 ACRE

Treatment

 Diquat @ 1 gal/acre
 (non-native milfoil) = 15 acres

***Re-treat 9 acres at no cost
 due to insufficient dieback***



LAKE AREA = 110 ACRES

REVISION DATE: FEBRUARY 2022

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

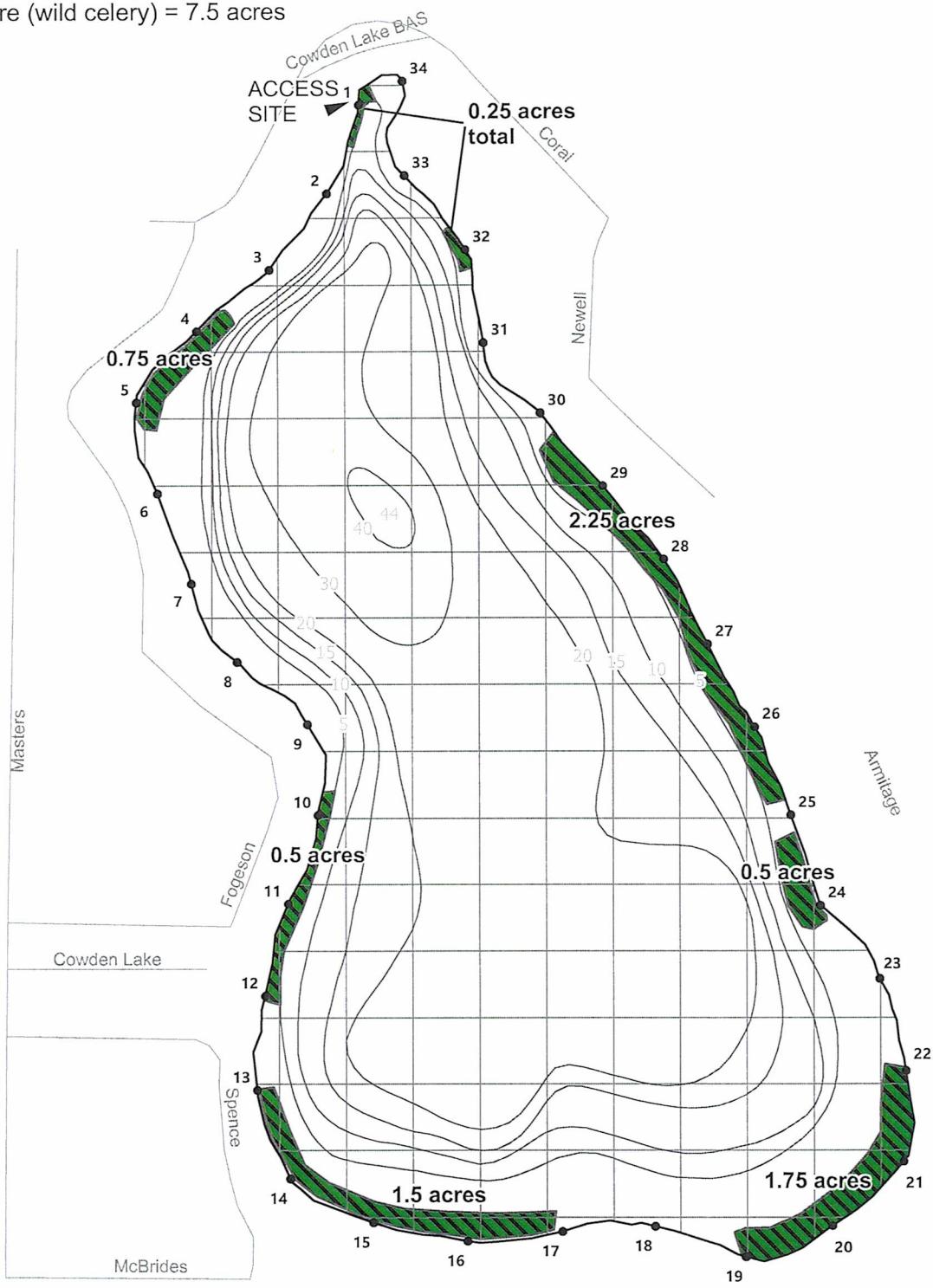
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 Feet


COWDEN LAKE
MONTCALM COUNTY, MICHIGAN
TREATMENT MAP 2 OF 2
SURVEY DATE: JUNE 27, 2024

 = 1 ACRE

Treatment

 Chelated Copper Liquid @
 9 gal/acre (wild celery) = 7.5 acres



LAKE AREA = 110 ACRES

REVISION DATE: FEBRUARY 2022

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

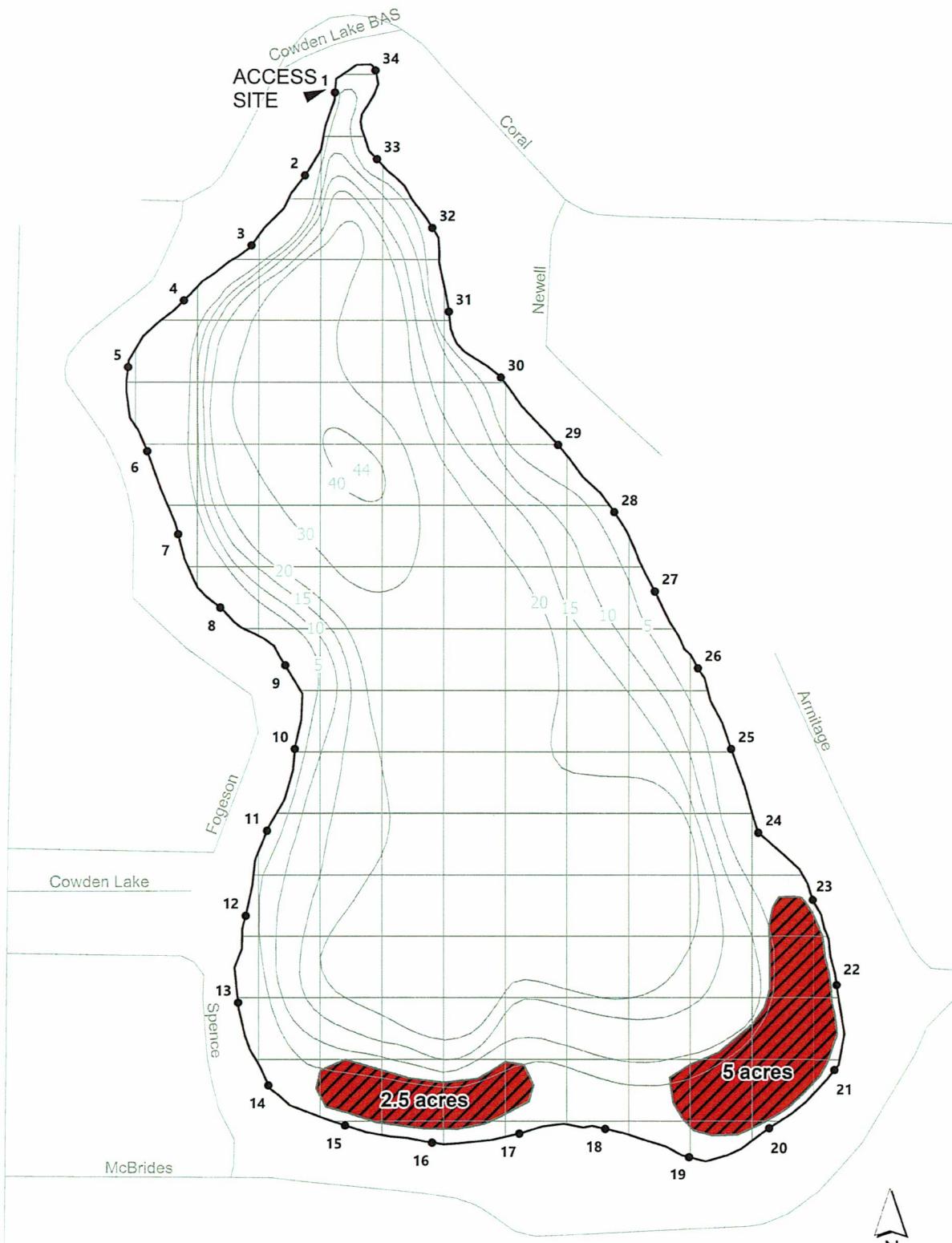
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**COWDEN LAKE
MONTCALM COUNTY, MICHIGAN
TREATMENT MAP
SURVEY DATE: SEPTEMBER 4, 2024**

 = 1 ACRE

Treatment

 Triclopyr liquid @ 3 gal/acre (milfoil) = 7.5 acres



LAKE AREA = 110 ACRES

REVISION DATE: FEBRUARY 2022

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

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Feet
progressive ae

Cowden Lake Finance Sheet 2024 - 2028 (84003)

Monday, September 16, 2024

COWDEN LAKE
LAKE IMPROVEMENT BOARD MEETING
September 16, 2024
4:00 P.M.

Montcalm County Drain Commission
211 W. Main
Stanton MI 48888

ATTENDANCE RECORD

Name

1. Todd Sattler
2. JERRY WRIGHT
3. Luke Aaron
4. John MacLellan
5. Victor Matulis
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____