

# Welcome to the Cedar Lake Improvement Board

## Regular Public Meeting

March 7, 2025

### Board Members

Carolyn Brummund

Jesse Campbell

Dave Dailey

Heather Tait

Terry Dutcher

Fred Strauer

Rex Vaughn

Alcona County Commissioner

Alcona County Road Commission Rep.

Greenbush Twp. Representative

Oscoda Township Clerk

Iosco County Commissioner

Iosco County Drain Commissioner

Citizen Riparian Representative

Cedar Lake Improvement Board  
Regular Public Meeting  
Greenbush Township Hall  
Greenbush, MI 48738  
Friday, March 7, 2025  
10:00 AM ET

Proposed Agenda

1. Call to Order.
2. Roll Call.
3. Conference Call Meeting Operating Protocol & Housekeeping.
  - a. Please keep your phone muted until invited to speak by the Chair or during Public Comment.
4. Public Comment.
5. Approval of 3-7-2025 Agenda as Presented.
6. Review and Approve Minutes from the 2-14-2025 Regular Meeting.
7. Old Business.
  - a. Consumers Energy (CE) request for new utility easement on the west side of Cedar Lake Road.
    - i. After presentation of historical easement records dating back to 1933 by the CLIB to Patrick W. Lavery, Project Manager – Real Estate - Northeast Michigan, CE has “removed the requirement for an additional easement for this project as the original easement from 1933 covers the work that is needed.”
    - ii. No further action by the CLIB is required.
    - iii. Full email correspondence thread with CE included in the Board Packet.
  - b. 2025 Aquatic Herbicide Treatments Bids, call-in review with Dr. Doug Pullman, Lake Manager.
    - i. Updated Bid Tabulation in Board Notebook. Three (3) out of seven (7) invited bidders submitted proposals. The bids received are from SOLitude, PLM, and LakePro.
      1. Note: The LakePro hard copy quote was retrieved from the Greenbush PO Box on the afternoon of 2-14-24 after the CLIB Meeting was over. The quote was mailed before the deadline and included a completed Bid Form. This meets the timely receipt requirements of the LakePro receipt contingency motion from the 2-14-2024 meeting.
      2. Although the LakePro bid was properly received, the bid does not comply with the Request for Bids Work Specifications, Paragraph 12 (deep-water injection). The Chair recommends the LakePro bid be disqualified.
    - ii. Digital copies of all three (3) bids received are included in the Board Info Packet and Notebook.
    - iii. Dr. Pullman’s Bid Score Card & Evaluation Form included in Board Info Packet and Notebook.
    - iv. Discussion and selection of 2025 Aquatic Herbicide Applicator.
    - v. Authorize Chair to prepare and sign a contract with the successful bidder. Due to the size of the contract file, draft contract documents are included in the emailed Board Packet and online at: <https://cedarlakeib.org/meetings/>  
Hard copies available upon request.

Cedar Lake Improvement Board  
Regular Public Meeting  
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Proposed Agenda

Cont'd,

- c. Request motion for closed session to consider material exempt from disclosure under the Michigan Freedom of Information Act, being a privileged letter from the Lake Board's attorney, pursuant to Section 8(1)(h) of the Open Meetings Act.
  - d. Return from Closed Session.
  - e. Oscoda Township Response Letter.
  - f. Search for a new scribe and fiduciary.
    - i. Update from Commissioner Brummund.
8. New Business.
- a. Review and approve bills that were paid since the 2-14-2025 meeting or are now due.
    - i. Kieser & Associates, 2024/2025 Watershed Consulting Contract, professional services, Inv. 24-020, \$2,562.50, (new).
    - ii. Kieser & Associates, 2024/2025 LakeScan Contract, professional services, Inv. 24-016, \$2,768.44, (new).
    - iii. Rex Vaughn, reimbursement for copy paper, \$4.79 (\$9.79 less a \$5 overpayment on a previous reimbursement) (new).
    - iv. Rex Vaughn, reimbursement for printer toner, \$159.94 (new).
    - v. Rex Vaughn, reimbursement for postage, \$8.75 (new).
9. Public Comment.
10. Next Regular Meeting Date: Friday, April 11, 2025, at 10 AM in Greenbush.
11. Adjournment.

**Cedar Lake Improvement Board Regular Public Meeting  
Public Access Instructions**

**Friday, March 7, 2025, at 10:00 AM ET**

**CONFERENCE CALL-IN INFORMATION:**

**To join the conference call, participants should call 302-202-1110 & enter Conference Code:  
639770**

Cedar Lake Improvement Board Meeting Minutes  
Regular Public Meeting  
Greenbush Township Hall  
Greenbush, MI 48738  
Friday, February 14, 2025, 10:00 AM

1. Meeting called to order at 10:05 AM by Chairman Vaughn.
2. Board Roll Call: Present: Brummund, Campbell, Dailey, Tait, Dutcher, Vaughn. Absent: Strauer. There was a quorum. Total of 2 guests in person and one online.
3. Online Meeting operating protocol and housekeeping reviewed for audio only, video unavailable.
4. Public Comment: N/A.
5. Approval of 2-14-25 agenda: Motion to approve agenda as amended (Rev. 1) made by Dailey/Dutcher. All ayes, motion carried.
6. Approval of minutes from 12-13-24 Regular Board Meeting: Motion to approve minutes of the 12-13-24 Regular Board Meeting as presented made by Dailey/ Tait. All ayes: motion carried.
7. Approval of minutes from 1-20-2025 Special Public Meeting: Motion to approve minutes of the 1-20-2025 Special Public Meeting as presented made by Dutcher/Dailey. All ayes: motion carried.
8. Old Business:
  - a. Real estate sale closing/settlements are included in the board packet. Net sale amount of \$43,406.15 deposited into the CLIB bank account at Huntington Bank.
  - b. CLIB Annual Meeting Notice published in the Alcona County Review and the Oscoda Press on 1-8-25. Copies of advertisements and affidavits are included in the board packet.
  - c. Oscoda Township correspondence update: No recommendations yet. The Chair has consulted with a legal advisor and should be ready to present at the March 7 meeting.
9. New Business:
  - a. Herbicide Applicator Bid Opening:
    - i. Invitations to bid emailed out on 1/22/25. Invited bidders list is in the board packet.
    - ii. Newspaper advertisements placed in Alcona and Oscoda/Iosco papers on 1/22/2025 & 1/29/2025. Copies of the advertisements and affidavits with invoicing included in the board packet. No requests for bid documents were received from any of the newspaper ads.
    - iii. Due to the potential of weather delays, all bidders were informed by email on 2-12-2025 that we would accept an email backup of their mailed bid by 5 PM on 2/13/25, copy of email correspondence included in the Board Packet.
    - iv. Bid openings: Bids are for 3-year contract. Bids received from 3 companies: PLM, Solitude, and Lake Pro. LakePro had no bid form included in their emailed version, but awaiting their mailed pkg to arrive to determine if there was a scanning error. Motion to receive PLM and Solitude bid packets and to accept LakePro as received contingent upon receiving the complete packet that matches the information LakePro told the chair regarding when it was mailed, and to make sure that they followed the bid instructions made by Brummund/Dutcher. Roll Call vote: All ayes, motion carried. Bids will be sent to Dr Doug Pullman for review and scoring.  
  
(Note: LakePro hard copy quote was retrieved from the Greenbush PO Box on the afternoon of 2-14-24 after the CLIB Meeting was over. The quote was complete, complied with the bid instructions, and was mailed before the deadline.)
    - v. Selection of the 2025-2027 Aquatic Herbicide Applicator will take place at the March 7, 2025, CLIB meeting.
    - vi. Copy of Bid Package and Pricing Worksheet Appendix is included in the board packet.

b. Consumers Energy (CE) request for new utility easement on the west side of Cedar Lake Rd:

Chair reviewed the following:

- i. Requested easement is 78' long x 30' wide, parallel to roadway ROW. Copy of CE easement request and annotated drawing included in board notebook.
- ii. CE wants to relocate one (1) power pole w/transformer 78' farther north away from the culvert inlet stilling basin at the Road Commission's Jone Ditch crossing.
- iii. Inspection of the proposed staked easement site by the Chair revealed no complication for CLIB. The new pole location is well north of the "panhandle" portion of CLIB property and it's a clear shot across the road to the new parcel no longer owned by CLIB.
- iv. After much discussion regarding this request from CE, a motion was made. Motion to postpone and place CE Easement Request letter under Unfinished Business of the Agenda, so that if there is no update at the next meeting, then we can skip over it, say there is no update, and the item will stay on the agenda, and won't be forgotten, and the chair is to send a letter to CE to request a representative attend a board meeting and discuss this matter with the board was made by Tait/Dailey. All ayes. Motion carried.

c. Review and approve bills that were paid since 12/13/2024 meeting or are now due:

Motion to approve the payment of paid invoices #1, 2, 3, 5, 7, 11 as presented on the agenda made by Brummund/Dailey. Roll Call Vote. All Ayes. Motion passed.

- i. Kieser & Associates, 2024/2025 Watershed Consulting Contract, Inv # 24-162, \$1,597.50, Ck 1821, 1/13/25
- ii. Township of Greenbush, 2024 Winter Taxes, Parcel 041-196-000-068-00, \$152.74, Ck 1822, 2/7/2025
- iii. Alcona County Review, October 2024, Budget Public Hearing Notice, Inv # 29496, \$198.75, Ck 1819, 12/27/31
- v. Iosco County News, November 2024, Budget Public Hearing Notice, \$255.75 Ck 1817, 12/27/24
- vii. Bloom Sluggett, legal services, November 2024, Inv # 25842, \$110.00, ck 1818, 12/27/24
- xi. Pat Dailey, Fiduciary/Scribe contract 2024, \$580.00, Ck 1820, 12/31/24

Motion to approve payment of unpaid invoices #4, 6, 8, 9, 10 as presented on the agenda made by Brummund/Tait. Roll Call Vote. Motion carried.

- iv. Alcona County Review, Annual Meeting Notice/Invitation to Bid, Inv. # 29632, \$236.63
- vi. Iosco County News, January 2025 Annual Meeting Notice/Invitation to Bid, \$419.50
- viii. Bloom Sluggett, legal services, December 2024, Inv. # 25960, \$1355.00
- ix. Straley Lamp & Kraenzlein P C, budget prep assistance services, December 2024, Inv. # 41367, \$800.00
- x. Rex Vaughn, Land Survey recording fee reimbursement, 1/17/2025, \$35.00

d. Search for a new scribe and fiduciary:

- i. Update from Brummund. Still searching. P Dailey could stay on as Fiduciary.

10. Public Comments: Frank Kramarz had questions regarding the CE easement item, thanked Tait for her participation, and asked about confidentiality requirements for a person sitting on two different boards. Robert Ceran thanked the

Board for all their excellent work. Mr. Kramarz also updated the Board on the progress of the creation of the Watershed Management Plan Steering Committee and the strong support of the Alcona-Iosco Cedar Lake Association to that endeavor. Open discussion on lake levels, drainage, and special assessments in support of drain projects.

11. Next regular meeting date: Friday, March 7, 2025, 10:00 AM, Township of Greenbush Hall.

12. Motion to adjourn made by Dailey/Tait. All ayes, Motion carried. Meeting ended at 11:40 AM.

**Subject:** Re: 1071393946 - 3325 W CEDAR LAKE RD, GRBH, ESIC OHL - REV Easement Agreement 02/19/2025 NOT NEEDED  
**Date:** Wednesday, February 19, 2025 at 11:40:23 AM Eastern Standard Time  
**From:** Rex Vaughn  
**To:** Patrick W. Lavery  
**CC:** Amy P. Merrick  
**Attachments:** image001.png, image002.png, image003.png, image004.png

Patrick:

No apologies needed; just glad we could help get this matter resolved.

Kindest Regards,

Rex Vaughn

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**From:** "Patrick W. Lavery" <[Patrick.Lavery@cmsenergy.com](mailto:Patrick.Lavery@cmsenergy.com)>  
**Date:** Wednesday, February 19, 2025 at 9:12 AM  
**To:** Rex Vaughn <[rvaughn@tir.com](mailto:rvaughn@tir.com)>  
**Cc:** "Amy P. Merrick" <[AMY.MERRICK@cmsenergy.com](mailto:AMY.MERRICK@cmsenergy.com)>  
**Subject:** FW: 1071393946 - 3325 W CEDAR LAKE RD, GRBH, ESIC OHL - REV Easement Agreement 02/19/2025 NOT NEEDED

Good Morning, Rex,

Thank you for the follow up email and existing easement provided from 1933.

I have removed the requirement for an additional easement for this project as the original easement from 1933 covers the work that is needed.

I apologize for the inconvenience,

Thank you,  
Patrick

Patrick W. Lavery  
Project Manager – Real Estate - Northeast Michigan  
Consumers Energy | Clean Energy Development, Enterprise Project  
Management and Real Estate  
C: 989-259-8008

WORKING TO DELIVER THE ENERGY YOU NEED, WHENEVER YOU NEED IT.  
THAT'S OUR PROMISE TO MICHIGAN!

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**From:** Rex Vaughn <[rvaughn@tir.com](mailto:rvaughn@tir.com)>  
**Sent:** Tuesday, February 18, 2025 5:14 PM  
**To:** Patrick W. Lavery <[Patrick.Lavery@cmsenergy.com](mailto:Patrick.Lavery@cmsenergy.com)>  
**Subject:** Re: 1071393946 - 3325 W CEDAR LAKE RD, GRBH, ESIC OHL - REV Easement Agreement 02/06/2025

**##CAUTION##: This email originated from outside of CMS/CE. Remember your security awareness training: Stop, think, and use caution before clicking links/attachments.**

Patrick:

Easement info attached.

I obtained this info from the public EGLE Permit Application file on the MiEnviro Portal, , also Submission #: HQA-CZZ7-B907J, version 1, also attached.

Kindest Regards,

Rex Vaughn

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**From:** "Patrick W. Lavery" <[Patrick.Lavery@cmsenergy.com](mailto:Patrick.Lavery@cmsenergy.com)>  
**Date:** Tuesday, February 18, 2025 at 4:53 PM  
**To:** Rex Vaughn <[rvaughn@tir.com](mailto:rvaughn@tir.com)>, Alana Woodard <[Alana.Woodard@cmsenergy.com](mailto:Alana.Woodard@cmsenergy.com)>, "Amy P. Merrick" <[AMY.MERRICK@cmsenergy.com](mailto:AMY.MERRICK@cmsenergy.com)>, "Lance C. Thompson" <[Lance.Thompson@cmsenergy.com](mailto:Lance.Thompson@cmsenergy.com)>  
**Cc:** Carolyn Brummund <[cbrummund@alconacounty.gov](mailto:cbrummund@alconacounty.gov)>, Jesse Campbell <[manager@alconacrc.com](mailto:manager@alconacrc.com)>, Fred Strauer <[ioscodrain2@ioscocoounty.org](mailto:ioscodrain2@ioscocoounty.org)>, Pat & Dave Dailey <[patndave@charter.net](mailto:patndave@charter.net)>, Terry Dutcher <[tdutcher@ioscocoounty.org](mailto:tdutcher@ioscocoounty.org)>, Terry Dutcher <[tdutcher300@gmail.com](mailto:tdutcher300@gmail.com)>, Heather Tait <[clerk@oscodatowshipmi.gov](mailto:clerk@oscodatowshipmi.gov)>  
**Subject:** RE: 1071393946 - 3325 W CEDAR LAKE RD, GRBH, ESIC OHL - REV Easement Agreement 02/06/2025

Hi Rex,

Please send me a copy of that easement agreement from 1933 signed by Louis Steiner and Matilda Steiner.



An easement may not be required to perform the work requested but I need to examine the instrument (easement) you have to confirm that.

Thank you,  
Patrick

Patrick W. Lavery  
Project Manager – Real Estate - Northeast Michigan  
Consumers Energy | Clean Energy Development, Enterprise Project  
Management and Real Estate  
C: 989-259-8008

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THAT'S OUR PROMISE TO MICHIGAN!

 Please consider the environment before printing this email



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**From:** Rex Vaughn <[rvaughn@tir.com](mailto:rvaughn@tir.com)>  
**Sent:** Tuesday, February 18, 2025 3:56 PM  
**To:** Patrick W. Lavery <[Patrick.Lavery@cmsenergy.com](mailto:Patrick.Lavery@cmsenergy.com)>; Alana Woodard <[Alana.Woodard@cmsenergy.com](mailto:Alana.Woodard@cmsenergy.com)>; Amy P. Merrick <[AMY.MERRICK@cmsenergy.com](mailto:AMY.MERRICK@cmsenergy.com)>; Lance C. Thompson <[Lance.Thompson@cmsenergy.com](mailto:Lance.Thompson@cmsenergy.com)>  
**Cc:** Carolyn Brummund <[cbrummund@alconacounty.gov](mailto:cbrummund@alconacounty.gov)>; Jesse Campbell <[manager@alconacrc.com](mailto:manager@alconacrc.com)>; Fred Strauer <[ioscodrain2@ioscocoounty.org](mailto:ioscodrain2@ioscocoounty.org)>; Pat & Dave Dailey <[patndave@charter.net](mailto:patndave@charter.net)>; Terry Dutcher <[tdutcher@ioscocoounty.org](mailto:tdutcher@ioscocoounty.org)>; Terry Dutcher <[tdutcher300@gmail.com](mailto:tdutcher300@gmail.com)>; Heather Tait <[clerk@oscodatowshipmi.gov](mailto:clerk@oscodatowshipmi.gov)>  
**Subject:** Re: 1071393946 - 3325 W CEDAR LAKE RD, GRBH, ESIC OHL - REV Easement Agreement 02/06/2025

**##CAUTION##: This email originated from outside of  
CMS/CE.**

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use caution before clicking links/attachments.**

To All:

The Cedar Lake Improvement Board (CLIB) met on Friday, February 14, 2025. The Board reviewed the Easement Drawing and the Easement Agreement. The Board expressed several concerns, and no motion was brought forth to approve the Easement Agreement. The Board set aside any action on the Agreement until the March 7, 2025, CLIB Meeting at which the Board desires to obtain additional information from Consumers

Energy. They asked that I extend an invitation to a Consumers Energy representative to personally attend the meeting to address the Board's concerns. Attendance by conference call is available but not preferred.

The Board's major area of concern revolves around the fact that Consumers Energy already has an easement on Cedar Lake Road for the electric lines, poles, and distributing appliances for the purposes of transmitting and distributing electricity, on, over, and across the parcel described in the 1933 Right of Way Agreement signed by Louis Steiner and Matilda Steiner. The Board is not convinced that adding more property to the existing easement is necessary nor in the best interests of the CLIB.

The CLIB Meeting will start at 10 AM on Friday, March 7, 2025, at the Greenbush Township Hall, 5039 Campbell St, Greenbush, MI 48738.

At your earliest convenience, please let me know who will be attending. If you have any questions, or if I can be of additional assistance, please don't hesitate to contact me.

Kindest Regards,

Rex Vaughn  
Chair, CLIB

# RIGHT OF WAY

**Louis Steiner and Matilda Steiner, his wife,**

of the first part, in consideration of One Dollar (\$1.00) to them paid by the CONSUMERS POWER COMPANY, a Maine corporation authorized to do business in Michigan, of the second part, receipt of which is hereby acknowledged. Convey and Warrant to the party of the second part, its successors and assigns, Forever, the easement and right to erect and maintain electric lines, consisting of ~~wood~~ poles, wires and distributing appliances for the purpose of transmitting and distributing electricity, on, over, and across the following described parcel of land in the

Township of Greenbush County of Alcona and State of Michigan,

to-wit: That part of Government Lot Number two (2) of the Southeast one-quarter ( $\frac{1}{4}$ ) of Section fifteen (15), Township twenty-five (25) North, Range nine (9) East, lying Westerly of State Trunk Line Highway M-72, except a parcel of land fifteen (15) chains wide off the North side thereof.

The route to be taken by said line of ~~wood~~ poles and wires across said land being more specifically described as follows:

Poles to be set westerly of and along and not more than thirty-nine (39) feet from the center line of State Trunk Line Highway M-72 on the Easterly side of said above described land.

With full right and authority to the party of the second part, its successors or assigns, and its and their agents, servants and employees, to enter at all times upon said premises for the purpose of constructing, repairing, removing, replacing and maintaining such ~~wood~~ poles and other supports, with all necessary braces, guys, anchors and transformers, and stringing thereon and supporting and suspending therefrom lines of wire or other conductors, for the transmission of electrical energy, and to trim or remove any trees which at any time may interfere or threaten to interfere with the maintenance of such lines. It is expressly understood that no buildings or other structures will be placed under such wires without the written consent of said second party.

Second party to pay first party for any damage to crops in erecting and maintaining said line of poles and wires.

WITNESS the hand and seal of the parties of the first part this 16th day of November 19 33.

Signed, Sealed and Delivered in presence of

<i>Thomas B. Good</i>	) <i>Louis Steiner</i>	[L. S.]	
<i>William J. ...</i>		<i>Matilda Steiner</i>	[L. S.]
			[L. S.]
			[L. S.]

338

Louis Steiner  
and wife,

to

Consumers Power Company

REGISTER'S OFFICE }  
LIVING COUNTY, }  
RECORDED FOR RECORD, THE }  
A. D. 1934 }  
9 }  
55 }  
501 }  
Catherine R. Steiner

Wright & C. W. Steiner

STATE OF MICHIGAN, }  
COUNTY OF St. Clair } ss.

On this 16th day of November 19 33, before me, a Notary Public of Jackson County, Michigan, acting in St. Clair County, personally appeared,

Louis Steiner and Matilda Steiner

to me known to be the same persons named in and who executed the foregoing instrument, and severally acknowledged the execution of the same to be their free act and deed.

Chas. B. Wood

My commission expires January 11, 1935. Notary Public, Jackson Co., Mich.

338

Parcel No. 27347

File #338.

# TITLE SEARCH

Alcona County, Michigan.

Township 25 N., R. 9 E.

Description Lot 2 (W<sup>1</sup>/<sub>2</sub> of SE<sup>1</sup>/<sub>4</sub>) Sec. 15.

( See three annexed sheets. )

*3 sheets  
over*

*1-8-34 #2  
55-501 #3  
55-502 #4  
55-502*

Owner \_\_\_\_\_

Kind of Deed \_\_\_\_\_

Undischarged encumbrances and record thereof, including leases, contracts, mortgages, etc.,  
Liber and Page (Mortgage information not reported.)

We hereby certify that, from an examination of our books posted to date, the condition of the title to the above description appears to be indicated herein, and that the undischarged encumbrances recorded against the same are as noted herein.

This search is not intended by us to be any guarantee of the title to the above description. We do not assume any responsibility as to the correctness thereof.

Dated Sept. 26th., 19 33.

Charge \$3.00

*1-9-34*

*John H. Killmaster*

"The Alcona County Abstractor."

(A)

#2  
 Carl E. Schmidt, widower, } Quit Claim Deed Jan. 5, 1922. Ack: 12/6/1922  
 To } by Carl E. Schmidt, etc. "In body of deed  
Louis Steiner, of } written Carl E. Schmidt, widower, of Oscoda,  
 Anchorville, Michigan, etc." Recorded Feb. 26, 1923, in  
 Michigan. } Liber 39 of Deeds, on page 612. Cons. \$1.00 &  
 et al. valuable consideration. Conveys: Lot  
 2, Sec. 15, T. 25 N., R. 9 E., & Et al.  
 (U.S. Rev. 1/5/122. C.E.S. \$2.50)

(B)

#3  
 Louis Steiner & } Warranty Deed March 24, 1923. Ack: 3/24/  
 Matilda Steiner, } 1923 by Louis Steiner & Matilda Steiner,  
 his wife, } his wife, etc. "In body of deed written  
 To } Louis Steiner and wife, Mathilda Steiner,  
William A. Bettles & } Detroit, Michigan, etc." Recorded Apr.  
Mary M. Bettles, hus- } 15, 1925 in Liber 47 of Deeds, on page 189.  
 band and wife, as } Cons. \$1.00 & et al. consideration. Con-  
 tenants by the ent- } veys: Commencing at northwest corner of  
 ireties. } Lot 2 Sec. 15, T. 25 N., R. 9 E., thence  
 (No address given.) } S. on  $\frac{1}{8}$  line 15 chs., thence E. parallel  
 } with section line between Secs. 15 & 27 to  
 } west shore of Cedar Lake, thence N'ly. al-  
 } ong lake shore to the northeast corner of Lot 2, thence W. on  $\frac{1}{8}$   
 } line to place of beginning, containing 30 acres, more or less.  $\frac{2}{1/4}$   
 (U.S. Rev. L.S. 3/24/123. \$2.00)

(C)

Louis Steiner & } Warranty Deed, except those that may have ar-  
 Matilda Steiner, } isen since 3/24/1923 as hereinbefore stated.  
 his wife, } Sept. 2nd., 1926. Ack: 9/2/1926 by Louis  
 To } Steiner and Mathilda Steiner - etc. "In  
 William A. Bettles } body of deed written Louis Steiner and Math-  
 and Mary M. Bettles, } ilda Steiner, his wife, no address given,  
 husband and wife, } etc." Recorded Oct. 23, A.D. 1926, at 2  
 as tenants by the } o'clock P.M. in Liber 47 of Deeds, on page  
 entireties. } 189. Cons. \$1.00 & et al. considerations,  
 (No address given.) } Conveys: Commencing at the northwest cor-  
 } ner of Lot 2, of Sec. 15, T. 25 N., R. 9 E.,  
 } Thence S. on  $\frac{1}{8}$  line 15 chs., Thence E. par-  
 } allel with section line between Secs. 15 & 22 to west shore of  
 } Cedar Lake, Thence N'ly. along lake shore to the northeast cor-  
 } ner of said Lot 2, Thence W. on  $\frac{1}{8}$  line to place of beginning;  $\frac{2}{1/4}$   
 } containing 30 acres, more or less. This deed being for the sole  
 } purpose of stating correctly the description of the land it was  
 } intended to convey by a deed of like tenor between the same part-  
 } ies dated 3/24/1923, & recorded in Liber 47 of Deeds, at page 189,  
 } Alcona County Records, in which said last mentioned deed is a ref-  
 } erence to the section line between Secs. 15 & 27 which was an er-  
 } ror & should have read "section line between Secs. 15 & 22"; It  
 } being further understood that all warranties & covenants herein  
 } contained refer to the date of said prior deed, & that first par-  
 } ties assume no responsibility for defects in title that may have  
 } arisen since said 3/24/1923 thro' the acts or negligence of part-  
 } ies other than themselves.

over

(D)

60  
990  
450  
513

William A. Bettes, widower, To Ruth Hubbard Bell. (No address given.) ) Warranty Deed, except those that may have arisen since 3/24/1923, as hereinbefore stated. April 14, 1928. Ack: 4/17/1928 by William A. Bettes, widower, etc. "In body of deed written William A. Bettes, widower, no address given, etc." Recorded April 17th., A.D. 1928, at 2:45 o'clock P.M. in Liber 49 of Deeds, on page 221. Cons. \$1.00 & et al. consideration. Conveys: Commencing at the northwest corner of Lot 2, of Sec. 15, T. 25 N., R. 9 E., thence S. on  $\frac{1}{4}$  line 15 chs., thence E. parallel with section line between Secs. 15 & 22 to west shore of Cedar Lake, thence N'y. along lake shore to the northeast corner of said Lot 2, thence W. on  $\frac{1}{8}$  line to place of beginning, containing 30 acres, more or less; this deed being for the sole purpose of stating correctly the description of the land it was intended to convey by a deed of like tenor between the same parties, dated 3/24/1923 & recorded in Liber 47 of Deeds, at page 189, Alcona County Records, in which last mentioned deed there is reference to the section lines between Secs. 15 & 27 "which was an error & should have read "section line between Secs. 15 & 22"; it further understood that all warranties and covenants herein contained refer to the date of said prior deed, & that first parties assume no responsibility for defects in title that may have arisen since said 3/24/1923 thro' the acts or negligence of parties other than themselves.

2 1/4

(E)

#4  
6

Ruth Hubbard Bell - To The County of Alcona, a political subdivision of the State of Michigan. ) Quit Claim Deed June 18th., 1928. Ack: 7/23/1928 by Ruth Hubbard Bell - etc. "In body of deed written Ruth Hubbard Bell, no address given, etc." Recorded July 23rd., A.D. 1928, at 10:30 o'clock A.M. in Liber 45 of Deeds, on page 457. Cons. \$1.00 & et al. valuable considerations. Conveys: Commencing at the northeast corner of Lot 2, Sec. 15, T. 25 N., R. 9 E., thence running W. along the north boundary line of said Lot 2, to the northwest corner of said Lot 2, thence S. along the west boundary line of said Lot 2, 450 ft., thence E. on a line parallel with the north boundary line of said Lot 2 to the shore of Cedar Lake, thence N'y. along the shore of Cedar Lake to place of beginning.

(F)

Ruth Hubbard Bell - To William Bettes. (No address given.) ) Power of Attorney July 24th., A.D. 1928. Ack: 7/24/1928 by Ruth Hubbard Bell - etc. "In body of instrument written Ruth Hubbard Bell, of Toledo, Ohio, etc." Recorded Oct. 13, 1928, at 1:40 o'clock P.M. in Liber 55 of Deeds, on page 366. Full power to sell, mortgage, execute deeds, etc. etc. Giving & Granting unto my said Attorney full power & authority to do & perform all & every act & thing whatsoever requisite & necessary to be done in & about premises as fully to all intents & purposes as I might or could do if personally present, hereby ratifying all that my said Attorney shall lawfully do or cause to be done by virtue of these presents. etc. etc.

(G)

Ruth Hubbard Bell, By ) Warranty Deed, except such, if any, as are  
 W. A. Bettes, Her At- ) excepted from the covenant following ( )  
 torney in fact, ) (None.) Dated Oct. 10th., 1932.  
 To ) Ack: 10/10/1932 by W. A. Bettes, as Attor-  
 William A. Bettes. ) ney in Fact for Ruth Hubbard Bell - etc.  
 (No address given.) ) "In body of deed written Ruth Hubbard Bell,  
 no address given, etc." Recorded Oct.  
 11th., A. D. 1932, at 11:30 o'clock A.M.

8

in Liber 57 of Deeds, on page 407. Cons. \$1.00 & et al. valuable  
 considerations. Conveys: Commencing at the northwest corner of  
 Lot 2, Sec. 15, in Twp. 25 N. of R. 9 E., Thence S. on  $\frac{1}{4}$  line 15  
 chs., Thence E. parallel with section line between Secs. 15 & 22  
 to west shore of Cedar Lake, Thence N'ly. along shore of Cedar  
 Lake, to the northeast corner of said Lot 2, Thence W. on  $\frac{1}{8}$   
 line to place of beginning; containing 20 acres, more or less.

2 1/4



Cedar Lake Improvement Board  
 2025 Aquatic Herbicide Applicator Bid Packages  
 Bid Tabulation - Bidders List

<u>Invited Bidders</u>	<u>Address</u>	<u>Contact Name</u>	<u>Bid Status</u>
Aqua-Weed Control	Holly, MI	Casey Thompson	<i>No Bid</i>
Aquatic Nuisance Plant Control	Swartz Creek, MI	Derek Brookshire	<i>No Bid</i>
Aquatic Nuisance Plant Control /NORTHERN DIV.	West Branch, MI	Ray Van Gothen	<i>No Bid</i>
Solitude	Davison, MI	David Brown	<i>Bid Received</i>
LakePro	Swartz Creek, MI	Paul Dominick	<i>Bid Received</i>
PLM Lake & Land Management Group	Alto, MI	Bre Grabill	<i>Bid Received</i>
Savin Lake Services	Hale, MI	Guy Savin	<i>No Bid</i>

As of 2/13/2025

# Experience the LakePro Difference

*Personal Prompt Professional*



**Cedar Lake**

**Lake Management Proposal**

*February 2025*

**LAKEPRO, INC.**

9353 Hill Road

Swartz Creek, MI 48473

Phone (810) 635-4400

Fax (810) 635-4404

[www.lakeproinc.com](http://www.lakeproinc.com)

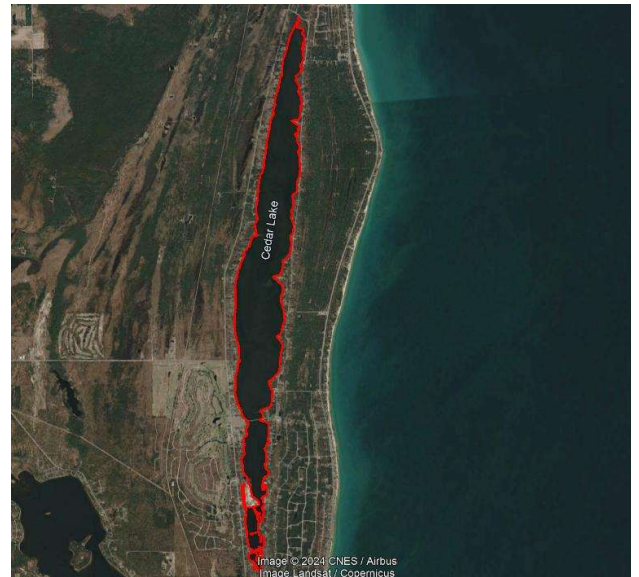
## Lake Description

Cedar Lake is a 1,075-acre lake located in Oscoda Township, Greenbush Township, Iosco County, Alcona County, Michigan (T 23N, 25N & R9E, S 3,10,15,22,27,34). The lake has one public access obtained by Michigan Department of Natural Resources is used for boating, fishing, and swimming. Cedar Lake has been known in the past to host native species as well as undesirable invasive like Eurasian Water Milfoil & Starry Stonewort.

## Concerns for Cedar Lake

Through the documentation from LakeScan™, we learned about the lake's issues and from MiEnviro, some of the previous management practices.

Invasive Starry Stonewort (SSW), Curly Leaf Pondweed (CLPW) & Eurasian Milfoil (EWM) have grown in the lake. These invasive plants can grow very dense stands that crowd out native plants and disrupt the natural ecosystem. The dense weed growth can also impede swimmers and boats.



## Prior Management Practices

The lake has been chemically treated by a commercial applicator. Treatment included a variety of algicides and herbicides to control the nuisance plants. MiEnviro records from WB-2127-5 show that in 2025, 2 herbicide applications took place aiming at Eurasian Milfoil control. The first treatment had a wide scope for treatment, including SSW (Starry Stonewort) Curly Leaf Pondweed, and filamentous/pithophora algae. The second treatment was mostly aimed at phragmite control whilst attempting to control EWM like previously aforementioned. Treatment sections did not exceed 11 acres for a single treatment area.

## Management Goals for Cedar Lake

Based on the lake's problematic biomass observed, we have identified six goals for the management program at Cedar Lake.

1. Control and work towards the eradication of Eurasian Milfoil
2. Control any other invasive species, such as Curly-leaf Pondweed, Starry Stonewort, Phragmites, and Purple Loosestrife
3. Encourage the growth of native plants at a non-nuisance level
4. Protect the lake from nutrient loading
5. Document the lake condition annually
6. Educate residents to understand their lake and responsible lakefront management better



## Integrated Lake Management Program for Cedar Lake

We will utilize an Integrated Plant Management Program to manage the lake's problems. This program will incorporate different management practices for the lake's various issues. Each part of the plan will work together to create a more effective and beneficial solution than any singular solution. This program requires diligence from the contractor to monitor the lake, carry out services, communicate with our client and other contractors, evaluate the program's success, and adjust as necessary.

The Integrated Plant Management Program for Cedar Lake is designed to address the concerns above.

### Herbicide Treatments

The primary problem in the lake is the growth of invasive species. Currently, the best management practice for these plants is herbicides. Herbicides are selective for the target plants, provide reliable results, and eliminate the possibility of spreading the plant through fragmentation.

There are three different classes of herbicides used to control invasive species:

*Algicides* suppress algae and macroalgae growth, including starry stonewort. Algicides must be applied periodically to control new growth and continue suppressing existing stands. Algicides range in price and typically have minimal water use restrictions.

*Contact Herbicides* can provide single-season control of invasive plants through spot treatments. These products will kill the shoots but not the roots of the plants. Therefore, these products do not accomplish any long-term management of the plants. In some cases, plants may need to be treated a second time during the summer. These herbicides are the least expensive and have the shortest water-use restrictions (i.e., lawn irrigation – 3 days).

*Systemic Herbicides* provide long-term control of invasive plants through spot treatments because they kill the shoots and roots of the plant. Therefore, the plants treated will never grow again; any regrowth will be new plants from the seed bed, fragmentation, or new introductions. These herbicides are more expensive and have slightly longer water-use restrictions (i.e., lawn irrigation – 7-28 days). Usually, plants only need to be treated once during the year with these products.

LakePro will conduct appropriate herbicide treatments based on Cedar Lake's Limnologists plan. Before those treatments, LakePro will post treatment notice signs with accurate and appropriate information listing all products used and restrictions in place.

## Proposal for Cedar Lake

LakePro Inc. is grateful for the chance to present a bid proposal for Cedar Lake in Oscoda/Greenbush. We are eager to establish a partnership with CLIB, contributing to lake management, eradicating invasive plant species, and fostering the growth of native plants.

Our primary objective is to cultivate a harmonious ecosystem within the lake. We consider each individual species, both aquatic and terrestrial, striving to facilitate the growth of native plants without the interference of invasives. Additionally, we aim to manage native populations to enhance recreational ease and enjoyment.

Any suggested treatment from Cedar Lake's Lake Manager can willfully, accurately, and efficiently be carried out by LakePro Inc. and we are excited for the opportunity to work with CLIB and on this lake.





## Lake Management Pricing

### **EGLE Permitting**

**\$1,850.00 Annually**

LakePro will apply for the EGLE permit for herbicide treatments. The application fee of \$1,850 is based on a treatment acreage above 100+acres, allowing us to permit the complete shoreline of the lake and be ready to treat invasive milfoil wherever it is found offshore up until EGLE restriction date of June 15<sup>th</sup> of each year. LakePro will also complete all notification and reporting requirements.

### **Pre-Treatment Notice Mailing**

**\$ 400.00 Annually**

The EGLE permit requires LakePro to notify every home within the treatment areas of upcoming treatments. This notification must be made between 7 and 45 days before the first treatment. LakePro usually mails a notification using a mailing list provided by the township for all parcels in the special assessment district.

### **AVAS Lake Vegetation Surveys**

**\$ 500.00 per Survey**

LakePro will periodically conduct vegetation surveys to document the plant species, locations, and densities in the waterbodies. We will also provide BioBase maps that show plant biomass, bottom composition, and depth contours. This information will help to plan herbicide treatments. We typically recommend three surveys per summer to document both growth and efficacy of the herbicide treatments.

### **Lake Water Quality**

**\$ 650.00 per Sample Event**

LakePro tests the majority of nutrient values and biological values in house and on the field. We offer a vast range of parameters we can test allowing stakeholders a clearer image into their lake and the current shape it is in. Ultimately helping to plan for the future. We measure samples over the deepest part of the waterbody where the chemical composition is the most homogenous and represents uniformity through the lake.

### **Herbicide Treatments**

**\$ TBD**

Based on each vegetation survey and the budget, LakePro and limnologist will plan appropriate herbicide treatments and submit them for your review and approval. The cost depends on both the results of the survey and your budget for herbicide treatments. You can contract LakePro to conduct the treatments or to solicit bids from other commercial pesticide applicators and supervise their work.

Typically, when managing a lake to reduce or eradicate invasive milfoil, we strongly recommend the use of systemic herbicides. Many factors go in to selecting the exact product and rate, including location within the lake, size of the treatment area, budget, any known plant tolerance, and permit restrictions. Based on those factors, each of our treatment recommendations will include various options listed in order of our recommendation but allow you to choose the product that matches your management goal and budget.





## Product Information

### Navigate (2,4-d Ester)

Navigate is a systemic herbicide that provides control of Eurasian Milfoil. Higher application rates show better efficacy against hybrid milfoils and tall stands of the milfoil. This product may also control native milfoils and floating-leaf plants, such as Lily Pads, depending on application rate and timing. The granular formulation is preferred for off-shore, deep water, and small treatment areas. Also, the EGLE permit requires this product not be applied within 75 feet of an active drinking well or 250 feet if the well is less than 30 feet deep. Treatment with this product incurs the following water use restrictions:

- Do not swim in the treatment area for 24 hours
- Do not irrigate ornamental plants or food crops with treated lake water for 21 days
- Do not drink treated lake water for 21 days

### Navitrol (Triclopyr Liquid)

Navitrol is a systemic herbicide that provides control of Eurasian Milfoil. Higher application rates show better efficacy against hybrid milfoils and tall stands of the milfoil. This product may also control native milfoils and floating-leaf plants, such as Lily Pads, depending on application rate and timing. The liquid formulation is preferred for near-shore, shallow water, and large treatment areas. Treatment with this product incurs the following water use restrictions:

- Do not swim in the treatment area for 24 hours
- Do not irrigate ornamental plants or food crops or water livestock for 120 days
- Do not drink treated lake water for 21 days

### Navitrol DPF (Triclopyr Granular)

Navitrol is a systemic herbicide that provides control of Eurasian Milfoil. Higher application rates show better efficacy against hybrid milfoils and tall stands of the milfoil. This product may also control native milfoils and floating-leaf plants, such as Lily Pads, depending on application rate and timing. The granular formulation is preferred for off-shore, deep water, and small treatment areas. Treatment with this product incurs the following water use restrictions:

- Do not swim in the treatment area for 24 hours
- Do not irrigate ornamental plants or food crops or water livestock for 120 days
- Do not drink treated lake water for 21 days

### Tribune (Diquat Dibromide)

Tribune is a contact herbicide that provides control of Eurasian Milfoil. Higher application rates show better efficacy against hybrid milfoils and tall stands of the milfoil. This product may also control pondweeds, elodea, bladderwort, and naiads depending on application rate and timing. The liquid formulation is preferred for near-shore, shallow water, and large treatment areas. The EGLE permit allows this product to be applied near shore. It can only be used off-shore at a rate of 1 gallon per acre and the treatment must take place before June 15. Treatment with this product incurs the following water use restrictions:

- Do not swim in the treatment area for 24 hours
- Do not irrigate turf or ornamentals with treated lake water for 3 days
- Do not irrigate food crops with treated lake water for 5 days
- Do not water livestock with treated lake water for 24 hours
- Do not drink treated lake water for 3 days

### FLumigard SC (Flumioxazin)

Flumigard SC is a contact herbicide that provides control of Eurasian Milfoil. Higher application rates show better efficacy against hybrid milfoils and tall stands of milfoil. This product will control most other plants, depending on application rate and timing. The liquid formulation is preferred in shallow water treatment areas of any size. The EGLE permit allows this product to be applied near shore. It can only be used off-shore at a rate of 200 parts per billion and the treatment must take place before June 15. Treatment with this product incurs the following water use restrictions:

- Do not swim in the treatment area for 24 hours
- Do not irrigate turf, ornamentals, or food crops with treated lake water for 5 days





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### **Sonar AS (Fluridone)**

Sonar AS is a systemic herbicide that provides control of Eurasian Milfoil. The EGLE permit restricts the application of this product to a concentration of 6 ppb to minimize impacts to other aquatic vegetation. This product may also control invasive Curly-Leaf Pondweed. This liquid product is only applied as a whole-lake treatment. Treatment with this product incurs the following water use restrictions:

- Do not swim in the treatment area for 24 hours
- Do not irrigate turf or food crops with treated lake water for 5 days
- Do not irrigate ornamental plants with treated lake water for 30 days

### **Summary**

LakePro appreciates the opportunity to help manage your lake and improve its overall quality. The above plan is a combination of our education, experience, and expertise that will resolve the most important issues facing the lake. We will also focus on making sure our management methods improve the lake in the long term.

The Lake Management Plan will change based on the success of various management methods and the response of the lake to our efforts. We hope these recommendations serve as a starting point for your new lake management and starts you down a path to responsibly managing your lake and improving its condition.

If you have any questions or concerns, please feel free to contact us to discuss our proposal.

Thank you for choosing LakePro,

Michael Smith  
*Director of Lake Management*

*Company Name: LakePro Inc.*

*Company Address: 9353 Hill Rd, Swartz Creek, MI 48473*

*Telephone: (810) 635-4400*

*E-Mail: michael@lakeproinc.com*





## Company Profile

After eight years in the industry, Paul Dominick opened LakePro in 2001. Since then, we have grown by focusing on custom solutions, excellent customer care, and ethical business practices. These priorities are the base of our company motto, “Experience the LakePro Difference – Personal, Prompt, and Professional”.

### Management Team

**Paul Dominick** is the Owner and President of LakePro, Inc. He has 33 years of experience in lake management. Now, he focuses on the business operations of LakePro but stays informed on all large lake accounts. Paul is a graduate of White Lake High School and Northern Michigan University. He is active in several professional and charitable organizations, including the Carson Jacob Foundation. – **Certified Cat. 5, MDARD**

**Devin Hudecek** is the Direct of Operations. He has 7 years of experience in lake and pond management. Devin oversees all accounts including sales, customer service, shoreline restoration, aeration, and scheduling. He is active in several professional and charitable organizations, including Safari Club International. – **Certified Cat. 5, Cat. 6, Right-of-Way, MDARD**

**Michael Smith** is the Director of Lake Management and Aquatic Biologist. He has 6 years of experience in waterbody management. Michael manages all lake accounts and provides consulting services such as lake surveys, treatment plans, and water quality testing. He is a graduate of Oakland University. Michael’s degree in Environmental Science concentrating on Sustainability and Resource Management aids in understanding freshwater ecosystems and management impacts. – **Certified Cat. 5, MDARD**

**Susan Armour** is the Office Manager. She has 30 years of experience in office management and administration, the last twelve with LakePro. Susan oversees our internal records, reception, assists in permitting, and customer communications. She is a graduate of Swartz Creek High School. Susan has two daughters and is active in their school organizations.

### LakePro Crew

We have a rigorous application process for our seasonal employees. We start by hiring college students because their schedules align with our treatment season. The students must show academic achievements and extracurricular involvement. Upon hiring, our employees must pass two certification exams through the Michigan Department of Agriculture to become Certified Pesticide Applicators. They also attend two weeks of training held at LakePro, Inc. HQ before going in the field. We also hold weekly training sessions throughout the summer to keep all employees refreshed on LakePro policies and expectations. In 2024, LakePro employed 20 seasonal employees, 10 of whom had two or more years of experience. – **Certified Cat. 5, MDARD**

### Organizational Involvement

LakePro and/or its employees are active in the following organizations:

Midwest Aquatic Plant Management Society  
Michigan Lakes and Streams Association  
North American Lake Management Society  
Carson Jacob Foundation  
Ducks Unlimited

Better Business Bureau  
Swartz Creek Chamber of Commerce  
Swartz Creek Athletic Boosters  
100 Club of Genesee, Shiawassee & Lapeer Counties  
Safari Club International







### Equipment

LakePro uses regular duty trucks (GMC or Chevrolet) to tow 14-foot Carolina Skiff fiberglass boats on Genesis aluminum trailers.

The boats are propelled by shallow-draft Mercury and Yamaha outboard motors that are 15 or 25 horsepower.

Each boat is equipped with a high-pressure spray system for wettable and liquid herbicides. A 5.5-horsepower Honda water pump powers the spray system. Extended droplines available upon request.

Each boat is equipped with one electric spreader for granular herbicides. 12-volt marine batteries power the spreaders.

Each boat is equipped with a Hummingbird or Lowrance GPS/Sonar Unit. Garmin GPS software is employed to load reference points, follow treatment areas, and record treatment tracks.

Surveys and Water Quality Analyses are conducted with a 16-foot aluminum boat equipped with two Lowrance Elite GPS/Sonar Units.

LakePro utilizes BioBase technology to map and measure vegetation location, density, bottom composition, and depth. Water Quality measurements are taken on-site with a YSI ProDSS Multiparameter Probe or in the lab using a Hach DR1900 Spectrophotometer, Lamotte Smart-2, or nutrient specific HANNA Laboratories calorimeters.

Profiles are received and studied via YSI ProDSS Probe or the application of a Van Dorn.

### Equipment Break Down

- (8) Regular Duty Truck(s) – MDOT registration, MDNR Park/Launch Pass, Locked Bed Topper, all necessary safety equipment stowed, spill kits
- (3) Heavy Duty Truck(s) – MDOT registration, MDNR Park/Launch Pass, Locked Bed Topper, all necessary safety equipment stowed, spill kits
- (1) 6’ Carolina Skiff-Flat bottom Dinghy – 20gal. mixing capacity
- (8) 14’ Carolina Skiff-Flat bottom– 30gal. mixing capacity
- (1) 16’ Carolina Skiff-Flat bottom– 50gal. mixing capacity
- (1) 16’ Carolina Skiff-Flat bottom – Emergent Spray Vessel, 50gal. mixing capacity
- (2) 16’ Aluminum V-Hull Survey Boat(s), equipped with bow and pilot Lowrance modules, 50HP mercury outboards
- (3) 1000-HP Polaris Rangers, equipped with warn winch

**Additional equipment can be supplied depending on what is needed.**

### LakePro, Inc. Certificate of Coverage

Assumed contract for Lily Lake is awarded to LakePro, Inc., the Lily Lake Improvement Board shall be named additionally insured. Insurance parameters are to be found below and satisfies requested coverage.

Insured Category	Amount Insured	Aggregate Insured
Commercial General Liability	\$1,000,000 per Occurrence	\$2,000,000 General
Automobile Liability	\$1,000,000 Combined Single Limit	
Umbrella Liability	\$1,000,000 per Occurrence	\$1,000,000 General
Worker’s Compensation	\$1,000,000 per Accident	





## Professional References

**Eight Point Lake** Garfield Township, Clare County  
Ralph Stewart, Lake Board Riparian  
(989) 339 - 0442

Eight Point Lake is a 416-acre lake with approximately 230 acres of littoral zone that supports plant growth. LakePro provides vegetation surveys, water testing, and herbicide treatments throughout the summer. The primary target plant is Eurasian Milfoil. LakePro has treated this lake since 2004 and has provided the lake management since 2007.

**Van Etten Lake** Oscoda, Iosco County  
Dan Banks, Chairman of the Van Etten Lake Association Weed Committee  
(989) 305 - 5290

Van Etten Lake is a 1,400-acre lake with approximately 500 acres of littoral zone that supports plant growth. LakePro provides herbicide bid solicitation, vegetation surveys, herbicide treatment planning, and treatment supervision. The primary target plants are Eurasian Milfoil and nuisance native plants. LakePro has provided the lake management since 2011 and solicits bid for herbicide treatments annually.

**Coon Lake** Howell, Livingston County  
Keith Lewinski, Lake Chairman  
(989) 714-2092

Coon Lake is a 97-acre lake with approximately 68 acres of littoral zone that supports plant growth. LakePro provides vegetation surveys, water testing, and herbicide treatments throughout the summer. The primary target plants are Starry Stonewort, Eurasian Milfoil, Curly-Leaf Pondweed, and Lily Pads. LakePro has provided the herbicide treatments and lake management since 2007.

**Pardee Lake** Howell, Livingston County  
Jim French, Lake Chairman  
(517) 375-2679

Pardee Lake is a 78-acre lake with approximately 45 acres of littoral zone that supports plant growth. LakePro provides vegetation surveys and herbicide treatments throughout the summer. The primary target plants are Starry Stonewort, Chara, Eurasian Milfoil, Curly-Leaf Pondweed, and Lily Pads. LakePro has provided the herbicide treatments and lake management since 2007.

**Rush Lake** Pinckney, Livingston County  
Joe Grech, Lake Chairman  
(734) 994-1415

Rush Lake is a 141-acre lake with approximately 100 acres of littoral zone that supports plant growth. LakePro provides vegetation surveys, water testing, and herbicide treatments throughout the summer. The primary target plants are Starry Stonewort, Chara, Eurasian Milfoil, Pondweeds, and Lily Pads. LakePro has provided the herbicide treatments since 2004 and the lake management since 2007. In the beginning of 2024, we helped conduct a dye study to better understand the viability and contact time of herbicide applications. Data was collected on sondes to measure wavelength (dye concentration) supplied by UPL. Drones were used to aerial image the application site.



Part 1: Permit Fees, Notifications, Site Reviews and Other Associated Services

**Service Description**

S1 Permit Fees		Cost \$US
Pesticide Application Permit Fees		1,850
Launch Fees		MDNR Pass
Other Permit Fees	Stripe Fee if Paid Online	37.00
S2 Riparian Notifications and Communications		Cost \$US
	MI EGLE Required 7-Day Notice (include postage)	400.00
	Notification of Other Entities or Agencies Required by Permit	Included
	Day of Intervention Treatment Area Posting	Included
	Day of Intervention Whole Lake Shoreline Posting	250.00
	Days Before Intervention Treatment Area Posting	500.00
	Day Before Intervention, Whole Lake Shoreline Posting	
S3 Public Meetings		Cost \$US
	Q & A Participation	250.00
	Formal Presentation	500.00
S4 On-Site Lake Condition Review		Cost \$US
	Pre Intervention Review	500.00
	Post Intervention Review	500.00

## Part 2: Improvement Agent Application Cost

### Service Description

<b>A1</b>	<b>Cost to Apply Liquids to <u>Less</u> Than 5 Acres</b>	<b>Cost per Acre \$US</b>
	A single or combination of liquid, flowables, or wettable powder agents per acre	30.00
<b>A2</b>	<b>Cost to Apply Liquids to <u>More</u> Than 5 Acres</b>	<b>Cost per Acre \$US</b>
	A single or combination of liquid, flowables, or wettable powder agents per acre	40.00
<b>A3</b>	<b>Cost to Apply Granules to <u>Less</u> Than 5 Acres</b>	<b>Cost per Acre \$US</b>
	A single or combination of granular agents per acre	30.00
<b>A4</b>	<b>Cost to Apply Granules to <u>More</u> Than 5 Acres</b>	<b>Cost per Acre \$US</b>
	A single or combination of granular agents per acre	40.00
<b>A5</b>	<b>Cost to Simultaneously Apply Granules and Liquids to <u>Less</u> Than 5 Acres</b>	<b>Cost per Acre \$US</b>
	A single or combination of granular and liquid applied agents per acre	30.00
<b>A6</b>	<b>Cost to Simultaneously Apply Granules and Liquids to <u>More</u> Than 5 Acres</b>	<b>Cost per Acre \$US</b>
	A single or combination of granular and liquid applied agents per acre	40.00

Part 3: Liquid Synthetic Biocide Cost Per Unit Volume Including Applicable Taxes and Surcharges

LakeScan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
L1	1020	Carfentrazone	Stingray	1 gal.	730.00
L2	1040	Copper Sulfate Liquid	EarthTec	1 gal.	26.00
L3	1045	Copper Sulfate and Alum	SeClear G	1 gal.	18.50
L4	1050	Copper Chelate Liquid Algaecide	Symmetry NXG	1 gal.	34.00
L5	1080	Copper Chelate Emulsified Liquid	Citrine Ultra		42.00
L6	1110	Copper Chelate Combo			
L7	1120	Copper Citrate Gluconate	Algimycin	1 gal.	30.00
L8	1150	Diquat Dibromide	Tribune	1 gal.	125.00
L9	1170	Diquat Combo	AquaStrike	1 gal.	105.00
L10	1180	Endothall Salt Liquid	Aquathol-K	1 gal.	135.00
L11	1200	Endothall Amine Liquid	Hydrothol-191	1 gal.	117.00
L12	1270	Fluroxypyr			
L13	1240	Fluridone Liquid	Sonar A.S.	1 qt.	672.00
L14	1230	Flumioxazin Liquid	Flumigard SC	1 qt.	160.00
L15	1260	Florpyrauxifen-benzyl	ProcellaCOR EC	1 qt.	825.00
L16	1280	Glyphosate	Round-Up Custom	1 gal.	39.00
L17	1300	Imazamox	ClearCast	1 gal.	385.00
L18	1310	Imazapyr	Habitat	1 gal.	130.00
L19	1320	Penoxsulam	Galleon	1 gal.	3,250.00

**Part 3: Liquid Materials Continued**

LakeScan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
L18	1350	Quinclorac	<input type="text"/>	1 gal.	<input type="text"/>
L19	1360	Topramazone	<input type="text"/>	1 gal.	<input type="text"/>
L20	1370	Trifloxysulfuron	<input type="text"/>	1 gal.	<input type="text"/>
L21	1380	Triclopyr Amine Liquid	Navitrol	1 gal.	39.00
L22	1410	Triclopyr Acid	Renovate-3	1 gal.	158.00
L23	1420	2,4-D Amine Liquid	<input type="text"/>	1 gal.	<input type="text"/>
L24	1470	2,4-D Combo	<input type="text"/>	1 gal.	<input type="text"/>

Part 4: Cost of Synthetic Granular Biocides Per Pound Including Applicable Taxes and Surcharges

LakeScan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
G1	1030	Copper Sulfate	Old Bridge - Crystal	1 lb.	3.00
G2	1070	Copper Chelate Granular Algaecide	CTP-G	1 lb.	3.25
G3	1100	Copper Chelate Granular Herbicide	Harpoon	1 lb.	3.15
G4	1190	Endothall Salt Granular	Aquathol, Super-K	1 lb.	27.00
G5	1210	Endothall Amine Granular	Hydrothol-191, G	1 lb.	5.30
G6	1250	Fluridone Granular	Sonar P.R.	1 lb.	35.00
G7	1400	Triclopyr Amine Granular	Renovate-OTF	1 lb.	6.36
G8	1440	2,4-D Granular	Sculpin-G	1 lb.	4.00
G9	1470	2,4-D Combo	Renovate Max-G	1 lb.	5.30
G10	1450	2,4-D BEE Granular	Navigate	1 lb.	6.25
G10	1460	2,4-D IOE Granular		1 lb.	

**Part 5: Cost of Wettable or Slurried Materials Per Pound Including Applicable Taxes and Surcharges**

LakeScan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
D1	1010	Bispyribac	Tradewind	1 gal.	
D2	1030	Copper Sulfate	Old Bridge	1 lb.	2.30
D3	1060	Copper Chelate Herbicide		1 lb.	
D4	1085	Copper Chelate Algacide		1 lb.	
D5	1260	Flumioxazin	Clipper	1 lb.	45.00
D6	1260	Hydrogen Peroxide	GreenClean-Pro	1 lb.	1.90



**Part 6: Dyes, Colorants, and Tracers**

LakeScan™ Control Agent Codes		Dye or Colorant	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
T1	1085	Blue Liquid	Aquashade	1 gal.	54.00
T2	1085	Black Liquid	Aquashadow	1 gal.	65.00
T3	1085	Red Tracer Liquid	Rhodamine WT	1 gal.	830.00
T4	1085	Other Liquid		1 gal.	
T5	1085	Blue Powder/Granule		1 oz.	
T6	1085	Black Powder/Granule		1 oz.	
T7	1085	Other Powder/Granule		1 oz.	

Part 7: Biological Agents, Endocides & Biocides

LakeScan™ Control Agent Codes	Biological Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
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**Sediment Mineralization**

B1	1030	Liquid Bacteria Amendment Metafloc	1 gal.	69.00
B2	1060	Wetable / Soluble Bacteria Amendment LakePro, Inc. MD Pellets	1 lb.	8.00

**Water Clarification**

B3		Liquid Bacteria Amendment Water Column Clarifier	1 gal.	55.00
B4		Wetable / Soluble Bacteria Amendment Metafloc	1 lb.	69.00

**Endocide**

B5		Liquid Bacteria Amendment	1 gal.	
B6		Wetable / Soluble Bacteria Amendment	1 lb.	

**Biocide (USEPA Registered Bio-Pesticide)**

B7		Liquid Bacteria Amendment	1 gal.	
B8		Wetable / Soluble Bacteria Amendment	1 lb.	

**Nutrient Inactivation Agent**

N1		Alum PhosClear	1 lb.	4.30
N2		Lanthanum Eutrosorb-G	1 lb.	5.30

Metafloc

69.00

Part 8: Chemical and Biological Adjuvants

LakeScan™ Control Agent Codes		Adjuvant	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
<b>Activators</b>					
J11	1030	D-Limonine	Cygnat Plus	1 gal.	60.00
J12		Pine		1 lb.	
J13		Proteins	AMP-Activator	1 lb.	95.00
<b>Sinking and Sticking Agents (Polymers and Emergent Plant Enhancements)</b>					
J21		Liquid Adjuvant	Cygnat Plus	1 gal.	60.00
J22		Wetable / Soluble Adjuvant	AquaSticker	1 lb.	14.00
<b>Inverts</b>					
J31		Liquid Invert Agent	Polyan	1 gal.	63.00

# Appendix B

## Contractor Short Form Bid Worksheet

Contractor to complete the following worksheet in its entirety and return the sheet with their bid.

Item	Target Plant	Application Rate	Quantity	Price per Acre	Total
2,4-D Ester (e.g. Navigate)	Eurasian Milfoil	150 lbs./ acre	10 Acres	<b>937.50</b>	<b>9,375.00</b>
2,4-D Ester (e.g. Navigate) + Chelated Copper Algicide	Eurasian Milfoil	100 lbs./acre +1 gal./acre.	40 Acres	<b>660.00</b>	<b>26,400.00</b>
Triclopyr Dry	Eurasian Milfoil	160 lbs./ acre	10 Acres	<b>1,017.60</b>	<b>10,176.00</b>
Diquat Dibromide + Endothal Salt	Eurasian Milfoil CurlyLeaf Pondweed Nuisance Natives	1.0 gal./acre each agent	40 Acres	<b>105.00</b>	<b>4,200.00</b>
Diquat Dibromide	Eurasian Milfoil CurlyLeaf Pondweed Nuisance Natives	1.0 gal./ acre	40 Acres	<b>125.00</b>	<b>5,000.00</b>
		2.0 gal./ acre	40 Acres	<b>230.00</b>	<b>9,200.00</b>
Flumioxazin	CurlyLeaf Pondweed Nuisance Natives	2.0 lbs./ acre	10 Acres	<b>160.00</b>	<b>1,600.00</b>
Flumioxazin + Diquat Dibromide	Nuisance Natives	1.6 lbs./ acre + 1.0 gal/ acre	10 Acres	<b>255.00</b>	<b>2,550.00</b>
Aquathol K	Curly-Leaf Pondweed Nuisance Natives	1.0 gal. / acre	10 Acres	<b>135.00</b>	<b>1,350.00</b>
		2.0 gal./ acre	10 Acres	<b>265.00</b>	<b>2,650.00</b>
Glyphosate	Water Lilies Phragmites	6.0 pints/ acre	5 Lots (1600 ft2 per lot)	<b>29.25</b>	<b>146.25</b>
Chelated Copper Algicides	Algae Control	3.6 gal./ acre	40 Acres	<b>122.40</b>	<b>4,896.00</b>
ProcellaCOR EC + Diquat Dibromide	Eurasian and Hybrid Milfoils	16 oz./acre + 1 gal./acre	40 Acres	<b>537.00</b>	<b>21,480.00</b>
Add Carfentrazone as Adjuvant to any liquid or granular mix.	Eurasian and Hybrid Milfoils	6 oz./acre	40 Acres	<b>35.00</b>	<b>1,400.00</b>
Add AMP Adjuvant to any liquid or granular mix.	Eurasian and Hybrid Milfoils	1 gal./ acre	40 Acres	<b>95.00</b>	<b>3,800.00</b>
Add Chelated Copper as an Adjuvant to any liquid or granular mix.	Nuisance Species	1 gal./acre	40 Acres	<b>34.00</b>	<b>1,360.00</b>
			MDEQ Permit Fee	100 + Acres	<b>1,850.00</b>
				Grand Total	<b>107,433.25</b>

# Technical Equipment - Michigan



**PLM**  
LAKE & LAND  
MANAGEMENT CORP

**Boats and Application Equipment:** 10 Airboats (16-22 Ft)(2 new 2017 EPA compliant 16'), 6 (19Ft) Carolina Skiffs, 3 (21Ft) Carolina Skiff, 2 (16Ft) Carolina Skiffs, 9 (14Ft) Carolina Skiffs, 2 (20ft) Lowe Roughneck Skiffs. Equipment is maintained/restored on an as needed basis. 1 -2 new boats/motors are purchased each year.

All boats are equipped with 5Hp pump systems for surface/subsurface (injection) applications of aqueous herbicides. The airboats and larger skiffs are equipped with spreader mounts and electrical connections for granular herbicide applications. Skiffs are equipped with a PVC injection system (inject chemical well below water surface) that has (2) 8 foot PVC injectors off the back of the boat. The product goes directly from the tank through those injectors to reduce the acre/ft of the treatment area and significantly reduce drift by having all of the product well below the surface.

We have 16 boat mount spreaders for granular herbicide applications, such as 2,4-D/Triclopyr, and several backpack and hand-held herbicide sprayers for smaller applications. All boats and equipment older than five years have had upgrades and rebuilding as necessary. Trailers are also MDOT approved on an annual basis.

**GPS and Injections Metering Systems:** 2 GPS injection-metering systems for liquid application and/or granular products. 10 combination depth/GPS units. 10 Differential mapping Global Positioning (dGPS) receivers

**Trucks:** 26 4x4 trucks ranging from ½ to 1 ton with enclosed truck beds for on site herbicide storage. Years of trucks range from 2011 thru 2025. Trucks are MDOT approved on an annual basis.

Spill kits containing supplies to soak up, contain and remove herbicides are in all vehicles. Eyewash safety kits are available on site at all times.

**Aquatic Plant Harvesters:** 2 Aquarius Harvester & 1 Aquatic Weed harvester, Weed Minder II

Mechanical harvesters use biodegradable hydraulic fluid that is environmentally safe if a spill occurred. Any other spill would be addressed based on the standards set by the Michigan Department of Agriculture.

## Land Based Equipment:

- 1 Terra Track vehicle with 50-gallon spray system
- 1 Argo 8x8 amphibious vehicle with 50-gallon spray system
- 2 Back of Truck 50-gallon spray systems
- 12 Solo backpack sprayers, 12 Handheld 1/2 to 2-gallon spray units, Wick sticks and swiping mitts
- 2 Stihl chainsaws, 3 Stihl weed whip with brush blade, 1 commercial grade brush hog

## Field Survey Equipment:

- 12 Differential mapping Global positioning (dGPS) receivers
- 2 Eagle combination Depth/ Global Positioning (GPS) units
- 3 Hummingbird combination Depth/ Global Positioning (GPS) units
- 10 Lowrance HDS-5 Depth/ Global Positioning (GPS) unit, 4 with side-scan technology
- 4 YSI multiparameter water quality meters
- Water and sediment sampling equipment

**Laboratory Equipment:** Compound microscopes and wet chemistry laboratory capabilities.

**Mapping/CAD capabilities:** BioBase, Auto Cad 2000 LT software, ArcMap- GIS, Global Mapper, planimeter.

**Safety Equipment:** All applicators are equipped with, and required to wear, personal protective equipment, including chemical suits, gloves and goggles. First aid kits and eye wash kits are kept on-site at all times. A minimum of two U.S. Coast Guard approved floatation devices (Kent) and one fire extinguisher is present on each boat.

**MSDS Sheets Located in Every PLM Truck:** ProcellaCOR, Aqua Pro, Aquathol K, Hydrothol 191, Clipper, Komeen, Komeen Crystal, Nautique, Navitrol, Navitrol OTF, Renovate 3, Renovate OTF, Sculpin G, Tribune, Reward, Habitat, Copper Sulfate, Cutrine Plus-Ultra, Captain- XTR, Alonglife, Cygnet Plus, PLM Blue, Cygnet Select, Poly An.

# PLM North References



**PLM**  
LAKE & LAND  
MANAGEMENT CORP

Clare County Drain Office  
Ms. Colleen Ritchie, Drain  
Commissioner  
225 E. Main  
Harrison, MI 48625  
989-539-7320 [ritchiec@clareco.net](mailto:ritchiec@clareco.net)

Miramichi Lakes, Osceola County, 211 Acres  
Mr. Dennis Bryant  
PO Box 891  
Ewart, MI 49631  
231-250-9237 [denniscbryant@outlook.com](mailto:denniscbryant@outlook.com)

Secord Lake, Secord Township/Gladwin County  
Mr. Joel Vernier  
1507 Secord Dam Rd  
Gladwin, MI 48624  
989-329-7280 [supervisor@secordtwp.com](mailto:supervisor@secordtwp.com)

Chippewa Lake, Mecosta County, 790 Acres  
Mr. Bryan Roels  
PO Box 26  
Chippewa Lake, MI 49320  
231-201-0000 [bryan@chippewatwp.org](mailto:bryan@chippewatwp.org)

Portage Lake, Manistee County, 2165 Acres  
Mr. Al Taylor  
9697 Herkelrath Rd  
Onkama, MI 49675  
231-944-0578 [windsongmi@aol.com](mailto:windsongmi@aol.com)

Duck Lake, Grand Traverse County, 1971 Acres  
Mr. Ed Dewey  
5253 Bush Rd.  
Interlochen, MI 49643  
231-944-5607 [shovel\\_ed@charter.net](mailto:shovel_ed@charter.net)

Sugar Springs POA, Gladwin County, 990 Acres  
Mr. Mario Laudicina, Weed Committee  
5477 Worthington Court  
Gladwin, MI 48624  
248-480-6220 [mlaudicina77@gmail.com](mailto:mlaudicina77@gmail.com)

Sage Lake, Ogemaw County, 814 Acres  
Mr. Brian Hassell  
Lupton, MI  
941-268-5712 [bchas1257@gmail.com](mailto:bchas1257@gmail.com)

Big Lake, Otsego County, 120 Acres  
Mr. Mark Wayde  
3285 Middlebury Lane  
Bloomfield Hills, MI 48301  
248-302-6220 [mtwayde@comcast.net](mailto:mtwayde@comcast.net)

Lake George, Clare County, 134 Acres  
Mr. Roger Carey  
2945 Ojibway  
Lake George, MI. 48625  
989-588-9538 [mcarey55@charter.net](mailto:mcarey55@charter.net)

Five Lakes, Clare County, 120 Acres  
Mr. Ralph Greenfield  
7574 White Birch Drive  
Farwell, MI 48622  
586-530-0405 [ragman123@charter.net](mailto:ragman123@charter.net)

Emerald/Sylvan Lakes, Newaygo County, 190 Acres  
Ms. Beth Kiekintveld  
Newaygo, MI 49337  
616-212-3103 [kiekintveld@bccs.org](mailto:kiekintveld@bccs.org)

**BID FORM**

BID DATE: February 3, 2025  
\*Updated 03/3/2024, updates have been highlighted

BID TO:

2025-2027 Aquatic Herbicide Treatment Program  
Cedar Lake Improvement Board  
PO Box 53  
Greenbush, MI 48738

The undersigned bidder hereby declares that this bid is made in good faith and without fraud or collusion with any other bidder or any competitor.

The bidder has carefully read, examined, and understands the General Information, Instructions, Requirements, and Specifications for the proposed work. The bidder has investigated the lake and its condition to determine the character and difficulties attending the execution of the proposed work.

The bidder understands that the acreages listed are approximate and subject to change based upon lake surveys performed by the Lake Manager. For each application event, the Lake Manager will specify the location, acreage, chemicals to be used, and the application rate per acre. The bidder agrees that the unit prices named will be used and invoice amounts will be calculated based upon unit volume or weight, application rate per acre, and total acres treated.

All work described in the bid specifications and required for completion of the project shall be considered as incidental work unless designated as a pay item on the Bid Form. The CLIB assumes no responsibility or liability for any costs incurred by the Contractor prior to the signing of an agreement. Total liability of the CLIB is limited to the terms and conditions of the Contract resulting from this bid document.

The undersigned agrees that this bid shall be good for 90 calendar days after the scheduled closing time for receiving bids. Within that timeframe, the CLIB shall provide a written Notice of Award to the successful bidder. Within 10 days of the Notice of Award, the Contractor shall deliver the required certificates of insurance described in the "Bidder Requirements". In the event the contract and certificates of insurance are not provided within the time set, the CLIB reserves the right to void the Notice of Award and the Contract.

Cedar Lake Improvement Board  
Bid Documents For 2025-2027 Aquatic Plant Herbicide Treatments of Cedar Lake  
Invitation For Bids

Upon receipt of the written Notice of Award, the bidder shall enter into a formal three (3) year annually renewable contract with the CLIB incorporating the content and spirit of the bid specifications. The contract will renew annually only if both parties agree in writing on the costs for the coming year. Lack of mutual agreement on costs will be cause for the contract to terminate for the remaining life of the contract.

The bidder understands the CLIB reserves the rights to reject any or all bids, to waive any irregularities in the bidding, and to award the contract to other than the low bidder.

The bidder proposes and agrees, upon acceptance of the bid, to contract with the CLIB, incorporating the content and spirit of the bid specifications. The bidder will provide all necessary equipment, products, personnel, and transportation necessary to execute the work referred to in this invitation to bid. Furthermore, the bidder agrees to perform all work in the manner and time prescribed and according to the requirements of the Lake Manager and the CLIB.

The undersigned, having familiarized themselves with the Instructions to Bidders and the Work Specifications, hereby proposes to perform everything required and to provide and furnish all of the labor, materials, equipment, and all utility and transportation services necessary to perform and complete all the work required for aquatic herbicide treatments of Cedar Lake in a workmanlike manner, all in accordance with the specifications, and at prices as listed in the worksheets located in Appendix A and Appendix B.

The undersigned, by execution of this document, certifies that he/she is the representative of the firm named as the bidder and that he/she is authorized to execute this bid on behalf of the said firm.

SIGNATURE: Michael Pichla

NAME: Michael Joseph Pichla

(Printed)

TITLE: Northern Regional Manager

COMPANY NAME: PLM Lake & Land Management

COMPANY ADDRESS: 2455 S. Otsego Ave Gaylord, MI 49735



Cedar Lake Improvement Board  
Bid Documents For 2025-2027 Aquatic Plant Herbicide Treatments of Cedar Lake  
Invitation For Bids

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TELEPHONE: 616-891-1294

FAX: 231-372-5900

E-MAIL michaelp@plmcorp.net breg@plmcorp.net

DATE: February 3, 2025

**Bidder Résumé**

In order to expedite the award of this contract, the bidder is required to provide the following information to demonstrate prior experience with similar work to that described on Cedar Lake.

Bidder: PLM Lake & Land Management Company Name)

A. Please provide a list of applicators employed by your company and their respective dates of certification by the Michigan Department of Agriculture.

B. In 2024, how many lakes in the various size categories listed below did you treat with herbicides?

- 100 to 500 Acres: 210 Lakes
- >500 Acres: 62 Lakes

C. Please list on a separate sheet all of the equipment to be utilized for the herbicide treatments at Cedar Lake. Include a complete description of the deep-water injection system method used to comply with Work Specifications, Paragraph 12.

D. Please provide a maximum of three references of previous work. For each project, provide a contact person with phone number and include:

- Lake Name
- County
- Surface Acreage
- Treatment Area Acreage
- Target Plants
- Herbicides Applied

SIGNATURE: Michael Pichla DATE 2-3-2025

NAME : Michael Joseph Pichla / Bre Grabill  
(Printed)

TITLE: Northern Regional Manger / Senior Regional Manager

# **Appendix A**

## **Contractor Bid Long Form Worksheets**

**Contractor to complete all following worksheets in their entirety and return all sheets with their bid.**

## Table of Contents and Document Completion Checklist

Please use the Table of Contents as a Check List for All Line Items That You Have Completed in the Bid Docs. Place a Checkmark on Each Item Completed in the Bid Docs. Consideration is Given to Bidders Who Comprehensively Complete the Bid Document Forms

### Part 1: Permit Fees, Notifications, Site Reviews and Other Associated Services

- S1  Permit Fees  
Permit Application Fees, Pass-Through Permit Costs
- S2  Riparian Notifications and Communications (Required)  
All costs required by permits or additional notifications
- S3  Public Meetings (optional, may be no charge)  
Q&A sessions and formal presentations
- S4  On-Site Lake Condition Review  
Attended by members of management team

### Part 2: Improvement Agent Application

- A1  Cost to Apply Liquid Applied (Liquids, Flowables, Wettable Powders) Agents, Less Than 5 Acres
- A2  Cost to Apply Liquid Applied (Liquids, Flowables, Wettable Powders) Agents, More Than 5 Acres
- A3  Cost to Apply Granular Agents, Less Than 5 Acres
- A4  Cost to Apply Granular Agents, More Than 5 Acres
- A5  Cost to Simultaneously Apply Granular and Liquid Applied Agents, Less Than 5 Acres
- A6  Cost to Simultaneously Apply Granular and Liquid Applied Agents, More Than 5 Acres

### Part 3: Cost of Agents Applied as Liquids Including Applicable Taxes and Surcharges

List Cost of Intervention Agent or Combination Products by Unit Volume or Weight  
Liquid Applied Agents Include Liquids, Flowables, Wettable Powders, and Slurried Agents  
Please Place a Check Mark by Each Product Offered by Your Company.  
Some of the Listed Intervention Agents May Not Be Approved for Use in Michigan.

- L1  Bispyribac
- L2  Carfentrazone
- L3  Copper chelate + phosphorus binder
- L4  Copper Chelate Algaecide
- L5  Copper Chelate Ethanolamine
- L6  Copper Chelate Ethylenediamine
- L7  Copper Chelate Herbicide
- L8  Copper Hydroxide
- L9  Copper Sulfate
- L10  Diquat & Endothal
- L11  Diquat Dibromide
- L12  Endothal Amine
- L13  Endothal Potassium Salt
- L14  Florpyrauxifen-benzyl
- L15  Flumioxazin
- L16  Fluridone
- L17  Fluroxypyr
- L18  Glyphosate
- L19  Hydrogen Peroxide
- L20  Imazamox
- L21  Imazapyr
- L22  Penoxsulam
- L23  Quinclorac
- L24  Topramazone
- L25  Triclopyr Acid
- L26  Triclopyr, amine
- L27  Trifloxysulfuron
- L28  2,4-D, Amine
- L29  2,4-D Amine & Flumioxazin

**Part 4: Cost of Granular Materials Per Pound Including Applicable Taxes and Surcharges**

- G1  Copper Chelate (Ethanalamine)
- G2  Copper chelate (Ethylenediamine)
- G3  Endothall, Potassium Salt
- G4  Endothall, Amine
- G5  Fluridone
- G6  Triclopyr Triethylamine Salt
- G7  2,4-D Amine
- G8  2,4-D Amine & Triclopyr
- G9  2,4-D BEE, granular
- G10  2,4-D IOE

**Part 5: Dyes, Colorants, and Tracers**

- T1  Blue Liquid
- T2  Black Liquid
- T3  Red Tracer Liquid
- T4  Other Liquid
- T5  Blue Powder/Granule
- T6  Black Powder/Granule
- T7  Other Powder/Granule

**Part 6: Biological Biocides and Nutrient Deactivation Agents**

- B1  Liquid Bacteria Amendment for Muck Control
- B2  Wettable / Soluble Bacteria Amendment for Muck Control
- B3  Liquid Bacteria Amendment for Water Clarification
- B4  Wettable / Soluble Bacteria Amendment for Water Clarification
- B5  Liquid Endocide
- B6  Flowable, Wettable Powder, or Granular Endocide
- B7  Liquid Biopesticide (USEPA Registered Bio-Pesticide)
- B8  Flowable, Wettable Powder, or Granular Biopesticide (USEPA Registered Bio-Pesticide)
- N1  Alum Nutrient Inactivation Agent
- N2  Lanthanum Nutrient Inactivation Agent

**Part 7: Chemical and Biological Adjuvants**

- Activators
- J11  D-Limonine
- J12  Pine
- J13  Proteins
- Sinking and Sticking Agents (Polymers and Emergent Plant Control Enhancements)
- J21  Liquid Adjuvant
- J22  Wettable / Powder Adjuvant
- Inverts
- J31  Liquid Invert Agent

**Part 1: Permit Fees, Notifications, Site Reviews and Other Associated Services**

**Service Description**

<b>S1 Permit Fees</b>		<b>Cost \$US</b>
	Pesticide Application Permit Fees	\$1,850.00
	Launch Fees	\$0.00
Other Permit Fees		\$0.00

<b>S2 Riparian Notifications and Communications</b>		<b>Cost \$US</b>
	MI EGLE Required 7-Day Notice (include postage)	\$500.00
	Notification of Other Entities or Agencies Required by Permit	\$0.00
	Day of Intervention Treatment Area Posting	\$0.00
	Day of Intervention Whole Lake Shoreline Posting	\$0.00
	Days Before Intervention Treatment Area Posting	\$0.00
	Day Before Intervention, Whole Lake Shoreline Posting	\$0.00

<b>S3 Public Meetings</b>		<b>Cost \$US</b>
	Q & A Participation	\$0.00
	Formal Presentation	\$0.00

<b>S4 On-Site Lake Condition Review</b>		<b>Cost \$US</b>
	Pre Intervention Review	\$0.00
	Post Intervention Review	\$0.00

## Part 2: Improvement Agent Application Cost

Service Description	
<b>A1 Cost to Apply Liquids to <u>Less</u> Than 5 Acres</b>	Cost per Acre \$US
A single or combination of liquid, flowables, or wettable powder agents per acre	\$100.00
<b>A2 Cost to Apply Liquids to <u>More</u> Than 5 Acres</b>	Cost per Acre \$US
A single or combination of liquid, flowables, or wettable powder agents per acre	\$80.00
<b>A3 Cost to Apply Granules to <u>Less</u> Than 5 Acres</b>	Cost per Acre \$US
A single or combination of granular agents per acre	\$100.00
<b>A4 Cost to Apply Granules to <u>More</u> Than 5 Acres</b>	Cost per Acre \$US
A single or combination of granular agents per acre	\$80.00
<b>A5 Cost to Simultaneously Apply Granules and Liquids to <u>Less</u> Than 5 Acres</b>	Cost per Acre \$US
A single or combination of granular and liquid applied agents per acre	\$100.00
<b>A6 Cost to Simultaneously Apply Granules and Liquids to <u>More</u> Than 5 Acres</b>	Cost per Acre \$US
A single or combination of granular and liquid applied agents per acre	\$80.00

**Part 3: Liquid Synthetic Biocide Cost Per Unit Volume Including Applicable Taxes and Surcharges**

LakeScan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
L1	1020	Carfentrazone	Stingray	1 gal.	\$625.00 / gal
L2	1040	Copper Sulfate Liquid	Earthtec	1 gal.	\$35.00 / gal
L3	1045	Copper Sulfate and Alum	SeClear G		\$5.00 / gal
L4	1050	Copper Chelate Liquid Algaecide	Captain	1 gal.	40.00 / gal
L5	1080	Copper Chelate Emulsified Liquid	Captain XTR		\$40.00 / gal
L6	1110	Copper Chelate Combo	*Based on rates above		
L7	1120	Copper Citrate Gluconate	Not approved for use in MI aquatics		
L8	1150	Diquat Dibromide	Tribune	1 gal.	\$90.00 / gal
L9	1170	Diquat Combo	Aquastrike	1 gal.	\$115.00 / gal
L10	1180	Endothall Salt Liquid	Aquathol K	1 gal.	\$115.00 / gal
L11	1200	Endothall Amine Liquid	Hydrothol 191	1 gal.	\$120.00 / gal
L12	1270	Fluroxypyr	Not approved for use in MI aquatics		
L13	1240	Fluridone Liquid	Sonar A.S.	1 qt.	\$2100.00 / gal \$400.00 to apply
L14	1230	Flumioxazin Liquid	Flumigard S.C.	1 qt.	\$100.00 / qt
L15	1260	Florpyrauxifen-benzyl	ProcelleCOR EC	1 qt.	\$22.50 / oz \$720.00 / qt
L16	1280	Glyphosate	Aquaneat	1 gal.	\$75.00 / gal
L17	1300	Imazamox	Clearcast	1 gal.	\$325.00/gal
L18	1310	Imazapyr	Habitat	1 gal.	\$75.00 / gal
L19	1320	Penoxsulam	Galleon SC	1 gal.	\$1175.00 / gal



**Part 3: Liquid Materials Continued**

Lakescan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
L18	1350	Quinclorac	Not approved in MI for Aquatics	1 gal.	
L19	1360	Topramazone	Not approved in MI for Aquatics	1 gal.	
L20	1370	Trifloxysulfuron	Not approved in MI for Aquatics	1 gal.	
L21	1380	Triclopyr Amine Liquid	Garlon 3A	1 gal.	\$100.00 / gal
L22	1410	Triclopyr Acid	Renovate 3	1 gal.	\$110.00 / gal
L23	1420	2,4-D Amine Liquid	Not approved in MI for Aquatics	1 gal.	
L24	1470	2,4-D Combo	Not approved in MI for Aquatics	1 gal.	

**Part 4: Cost of Synthetic Granular Biocides Per Pound Including Applicable Taxes and Surcharges**

LakeScan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
G1	1030	Copper Sulfate	Old Bridge - Copper Sulfate	1 lb.	\$2.50 / lb
G2	1070	Copper Chelate Granular Algaecide	Seclear G	1 lb.	\$5.00 / lb
G3	1100	Copper Chelate Granular Herbicide	Komeen Crystals	1 lb.	\$15.00 / lb
G4	1190	Endothall Salt Granular	Hydrothol 191 Granular	1 lb.	\$6.00 / lb
G5	1210	Endothall Amine Granular	Aquathol Super K Granular	1 lb.	\$30.00 / lb
G6	1250	Fluridone Granular	Sonar One	1 lb.	\$45.00 / lb
G7	1400	Triclopyr Amine Granular	Renovate OTF	1 lb.	\$4.40 / lb
G8	1440	2,4-D Granular	Sculpin G	1 lb.	\$3.40 / lb
G9	1470	2,4-D Combo	Renovate Max G	1 lb.	\$4.40 / lb
G10	1450	2,4-D BEE Granular	Navigate	1 lb.	\$5.50 / lb
G10	1460	2,4-D IOE Granular		1 lb.	

Part 5: Cost of Wettable or Slurried Materials Per Pound Including Applicable Taxes and Surcharges

LakeScan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
D1	1010	Bispyribac	Tradewind	1 gal.	
			Not approved for use in MI aquatics		
D2	1030	Copper Sulfate	Old Bridge - Copper Sulfate	1 lb.	\$250.00
D3	1060	Copper Chelate Herbicide	Komeen Crystals	1 lb.	\$15.00 / lb
D4	1085	Copper Chelate Algaecide	Seclear G	1 lb.	\$5.00 / lb
D5	1260	Flumioxazin	Propeller	1 lb.	\$75.00 / lb
D6	1260	Hydrogen Peroxide	Phycomycin	1 lb.	\$1.50 / lb

**Part 6: Dyes, Colorants, and Tracers**

LakeScan™ Control Agent Codes		Dye or Colorant	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
T1	1085	Blue Liquid	PLM Blue	1 gal.	No charge for tracer
T2	1085	Black Liquid	N/A	1 gal.	N/A
T3	1085	Red Tracer Liquid	N/A	1 gal.	N/A
T4	1085	Other Liquid	N/A	1 gal.	N/A
T5	1085	Blue Powder/Granule	N/A	1 oz.	N/A
T6	1085	Black Powder/Granule	N/A	1 oz.	N/A
T7	1085	Other Powder/Granule	N/A	1 oz.	N/A

Part 7: Biological Agents, Endocides & Biocides

LakeScan™ Control Agent Codes	Biological Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
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**Sediment Mineralization**

B1	1030	Liquid Bacteria Amendment	1 gal.	
		Naturlake Water Column Clarifier		\$45.00 / gal
B2	1060	Wetable / Soluble Bacteria Amendment	1 lb.	
		Naturlake Nature's Blend		12.00 / lb

**Water Clarification**

B3		Liquid Bacteria Amendment	1 gal.	
		Naturlake Water Column Clarifier		\$45.00 / gal
B4		Wetable / Soluble Bacteria Amendment	1 lb.	

**Endocide**

B5		Liquid Bacteria Amendment	1 gal.	
B6		Wetable / Soluble Bacteria Amendment	1 lb.	

**Biocide (USEPA Registered Bio-Pesticide)**

B7		Liquid Bacteria Amendment	1 gal.	
B8		Wetable / Soluble Bacteria Amendment	1 lb.	

**Nutrient Inactivation Agent**

N1		Alum	1 lb.	
		Liquid Aluminum Sulfate Sodium Aluminate Buffer		\$3.50 / gal \$6.50 / gal
N2		Lanthanum	1 lb.	

\*these quotes are approximate without knowing the full extent, permitting, plan for this application

Part 8: Chemical and Biological Adjuvants

LakeScan™ Control Agent Codes		Adjuvant	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
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**Activators**

J11	1030	D-Limonine	N/A	1 gal.	
J12		Pine	N/A	1 lb.	
J13		Proteins	AMP	1 lb.	\$200.00 / gal

**Sinking and Sticking Agents (Polylmers and Emergent Plant Enhancements)**

J21		Liquid Adjuvant	Cygnat Plus	1 gal.	\$30/00 / gal
			Poly an		\$55.00 / gal
J22		Wetable / Soluble Adjuvant	Aquasticker	1 lb.	\$15.00 / lb

**Inverts**

J31		Liquid Invert Agent	N/A	1 gal.	
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## Appendix B Contractor Short Form Bid Worksheet

Contractor to complete the following worksheet in its entirety and return the sheet with their bid.

Item	Target Plant	Application Rate	Quantity	Price per Acre	Total
2,4-D Ester (e.g. Navigate)	Eurasian Milfoil	150 lbs./ acre	10 Acres	\$905.00	\$9,050.00
2,4-D Ester (e.g. Navigate) + Chelated Copper Algicide	Eurasian Milfoil	100 lbs./acre +1 gal./acre.	40 Acres	\$670.00	\$26,800.00
Triclopyr Dry	Eurasian Milfoil	160 lbs./ acre	10 Acres	\$784.00	\$7,840.00
Diquat Dibromide + Endothal Salt	Eurasian Milfoil CurlyLeaf Pondweed Nuisance Natives	1.0 gal./acre each agent	40 Acres	\$285.00	\$11,400.00
Diquat Dibromide	Eurasian Milfoil CurlyLeaf Pondweed Nuisance Natives	1.0 gal./ acre	40 Acres	\$170.00	\$6,800.00
		2.0 gal./ acre	40 Acres	\$260.00	\$10,400.00
Flumioxazin	CurlyLeaf Pondweed Nuisance Natives	2.0 lbs./ acre	10 Acres	\$155.00	\$1,550.00
Flumioxazin + Diquat Dibromide	Nuisance Natives	1.6 lbs./ acre + 1.0 gal/ acre	10 Acres	\$290.00	\$2,900.00
Aquathol K	Curly-Leaf Pondweed Nuisance Natives	1.0 gal. / acre	10 Acres	\$195.00	\$1,950.00
		2.0 gal./ acre	10 Acres	\$310.00	\$3,100.00
Glyphosate	Water Lilies Phragmites	6.0 pints/ acre	5 Lots (1600 ft2 per lot)	\$212.50	\$108.43
Chelated Copper Algicides	Algae Control	3.6 gal./ acre	40 Acres	\$224.00	\$8,960.00
ProcellaCOR EC + Diquat Dibromide	Eurasian and Hybrid Milfoils	16 oz./acre + 1 gal./acre	40 Acres	\$530.00	\$21,200.00
Add Carfentrazone as Adjuvant to any liquid or granular mix.	Eurasian and Hybrid Milfoils	6 oz./acre	40 Acres	\$29.30	\$1,172.00
Add AMP Adjuvant to any liquid or granular mix.	Eurasian and Hybrid Milfoils	1 gal./ acre	40 Acres	\$200.00	\$8000.00
Add Chelated Copper as an Adjuvant to any liquid or granular mix.	Nuisance Species	1 gal./acre	40 Acres	\$40.00	\$1,600.00
			MDEQ Permit Fee	100 + Acres	\$1,850
				<b>Grand Total</b>	<b>\$124,680.43</b>

**Bid Documents for Aquatic  
Herbicide Treatments of**

# **Cedar Lake**

**Iosco & Alcona Counties, Michigan**

Submitted by:

Dave Brown  
Operations Manager  
SOLitude Lake Management, LLC

3390 N State Road, Suite D  
Davison, MI 48423  
(810) 618-2043 P  
[www.solitudelakemanagement.com](http://www.solitudelakemanagement.com)



February 13, 2025

2025 - 2027 Aquatic Herbicide Treatment Program  
Cedar Lake Improvement Board  
PO Box 53  
Greenbush, MI 48738

Dear Cedar Lake Improvement Board,

Thank you for giving SOLitude Lake Management the opportunity to bid on the Nuisance Aquatic Plant Control for Cedar Lake, Iosco & Alcona Counties for 2025 - 2027. We look forward to continuing our relationship with your board and the residents of your lake.

SOLitude's integrated environmental management approach takes into consideration the interactions and relationships between the lake ecosystem and aquatic management. This holistic approach delivers the most efficient and effective treatment methods for your environment. We understand that each body of water is an environment of its own, and thus requires a treatment of its own. SOLitude stands ready to execute effect treatments in a timely manner as part of your consultant's overall lake management strategy.

Thank you again for inviting SOLitude Lake Management the opportunity to bid on this project. Our goal is for you and this lake community to enjoy the recreational and aesthetic values of their lake each and every day of summer. If you have any questions, please don't hesitate to call or send me an email.

Best regards,

Dave Brown  
Operations Manager  
(810) 618 - 2043  
dave.brown@solitudelake.com

**Company Name:** SOLitude Lake Management, LLC

**MI Locations:** 3390 N State Road, Suite E, Davison, MI 48423  
 2249 Reum Rd, Suite 2, Niles, MI 49120  
 12315 Cleveland Street, Suite E, Nunica MI 49448

Operations for this project will work out of our Davison office with support from our Nunica office, if necessary.

**Sales Contact:** Mitch Hiler, Business Development Consultant, (616) 335-1975, mitch.hiler@solitudelake.com

**Operations Contact:** Dave Brown, Operations Manager, (810) 618 - 2043, dave.brown@solitudelake.com

**Insurances:** Upon award of the contract, a certificate of insurance will be provided with the lake board listed as a certificate holder. SOLitude Lake Management’s insurance coverages include:

Commercial General Liability	\$5,000,000 per occurrence / \$5,000,000 general aggregate
Automotive Liability	\$3,000,000 combined single limit
Umbrella Liability	\$5,000,000 per occurrence / \$5,000,000 general aggregate
Worker’s Compensation	\$2,000,000 each accident

## References

Contact Name	Phone Number	Lake Name	County	Surface Area	Treatment Acreage	Target Plants	Herbicides Applied	EGL E ANCP Permit #
Tim Belanger	(248) 854-7146	Merritt Lake	Lapeer	54	39.5	Eurasian Water Milfoil, Nuisance Natives, Starry Stonewort, Macroalgae, Filamentous Algae	Tribune, Aquathol K, Stingray, Cutrine Plus, Hydrothol 191, Propeller, ProCellaCOR EC, AquaNeat, Habitat, Cygnet +	ANC9807478
Gary Christensen	(989) 709-8423	Lake Ogemaw	Ogemaw	437	275	Starry Stonewort, Eurasian Watermilfoil, Curly-leaf Pondweed, Vallisneria, Lillypads	Citrine Plus, Propeller, Hydrothol 191, Tribune, Aquathol K, Stingray, Current, Habitat, AquaNeat, Cygnet +	ANC9807690
AJ Faught	(810) 513-7584	Lobdell Lake	Argentine / Deerfield	562.75	428.25	Macroalgae, Filamentous algae, Starry Stonewort, Eurasian Water Milfoil, Nuisance Natives	Tribune, Aquathol K, Stingray, Cutrine Plus, Hydrothol 191, Propeller, ProCellaCOR EC, AquaNeat, Habitat, Cygnet +	ANC9807517

## **Service Equipment:**

24' Carolina Skiff Equipped with a Yamaha Outboard motor, 350 Gal subsurface boom spray system, Lowrance HDS Fish Finder

22' Custom modified flat hull boat equipped with Mercury outboard motor, 2x 125 Gal Conserve Subsurface injection system, broadcast spray system, Conserve Granular system, and Lowrance HDS Fish Finder

18' Custom Flat hull boat equipped with mercury outboard motor, 50 Gal Conserve Subsurface injection system, broadcast spray system, HumminBird Fish Finder, and Lowrance HDS Fish Finder

18' Carolina Skiff equipped with mercury outboard motor, 50 Gal broadcast spray system, subsurface injection, 2x 50 Lbs. Granular spreaders, and Lowrance HDS Fish Finder

20' Carolina Skiff equipped with mercury outboard motor, BioSonics sediment and depth plotter, and Lowrance HDS Fish Finder

21' Panther Airboat, equipped with a 50 gallon broadcast spray system, subsurface injection and a Lowrance ELITE fs 7 gps/fish finder

*\*Additional equipment available if needed*

**BID FORM**

BID DATE: \_\_\_\_\_ February 13 , 2025

BID TO:

2025-2027 Aquatic Herbicide Treatment Program  
Cedar Lake Improvement Board  
PO Box 53  
Greenbush, MI 48738

The undersigned bidder hereby declares that this bid is made in good faith and without fraud or collusion with any other bidder or any competitor.

The bidder has carefully read, examined, and understands the General Information, Instructions, Requirements, and Specifications for the proposed work. The bidder has investigated the lake and its condition to determine the character and difficulties attending the execution of the proposed work.

The bidder understands that the acreages listed are approximate and subject to change based upon lake surveys performed by the Lake Manager. For each application event, the Lake Manager will specify the location, acreage, chemicals to be used, and the application rate per acre. The bidder agrees that the unit prices named will be used and invoice amounts will be calculated based upon unit volume or weight, application rate per acre, and total acres treated.

All work described in the bid specifications and required for completion of the project shall be considered as incidental work unless designated as a pay item on the Bid Form. The CLIB assumes no responsibility or liability for any costs incurred by the Contractor prior to the signing of an agreement. Total liability of the CLIB is limited to the terms and conditions of the Contract resulting from this bid document.

The undersigned agrees that this bid shall be good for 90 calendar days after the scheduled closing time for receiving bids. Within that timeframe, the CLIB shall provide a written Notice of Award to the successful bidder. Within 10 days of the Notice of Award, the Contractor shall deliver the required certificates of insurance described in the "Bidder Requirements". In the event the contract and certificates of insurance are not provided within the time set, the CLIB reserves the right to void the Notice of Award and the Contract.

Cedar Lake Improvement Board  
Bid Documents For 2025-2027 Aquatic Plant Herbicide Treatments of Cedar Lake  
Invitation For Bids

Upon receipt of the written Notice of Award, the bidder shall enter into a formal three (3) year annually renewable contract with the CLIB incorporating the content and spirit of the bid specifications. The contract will renew annually only if both parties agree in writing on the costs for the coming year. Lack of mutual agreement on costs will be cause for the contract to terminate for the remaining life of the contract.

The bidder understands the CLIB reserves the rights to reject any or all bids, to waive any irregularities in the bidding, and to award the contract to other than the low bidder.

The bidder proposes and agrees, upon acceptance of the bid, to contract with the CLIB, incorporating the content and spirit of the bid specifications. The bidder will provide all necessary equipment, products, personnel, and transportation necessary to execute the work referred to in this invitation to bid. Furthermore, the bidder agrees to perform all work in the manner and time prescribed and according to the requirements of the Lake Manager and the CLIB.

The undersigned, having familiarized themselves with the Instructions to Bidders and the Work Specifications, hereby proposes to perform everything required and to provide and furnish all of the labor, materials, equipment, and all utility and transportation services necessary to perform and complete all the work required for aquatic herbicide treatments of Cedar Lake in a workmanlike manner, all in accordance with the specifications, and at prices as listed in the worksheets located in Appendix A and Appendix B.

The undersigned, by execution of this document, certifies that he/she is the representative of the firm named as the bidder and that he/she is authorized to execute this bid on behalf of the said firm.

SIGNATURE: Trina L. Duncan  
02/07/2025

NAME: Trina L. Duncan  
(Printed)

TITLE: Business Manager

COMPANY NAME: SOLitude Lake Management, LLC

COMPANY ADDRESS: 3390 N. State Road, Suite D, Davison, MI 48423

Cedar Lake Improvement Board  
Bid Documents For 2025-2027 Aquatic Plant Herbicide Treatments of Cedar Lake  
Invitation For Bids

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TELEPHONE: (888) 480-5253

FAX: \_\_\_\_\_

E-MAIL dave.brown@solitudelake.com

DATE: 2/7/2025

**Bidder Résumé**

In order to expedite the award of this contract, the bidder is required to provide the following information to demonstrate prior experience with similar work to that described on Cedar Lake.

Bidder: SOLitude Lake Management, LLC Company Name)

- A. Please provide a list of applicators employed by your company and their respective dates of certification by the Michigan Department of Agriculture.
- B. In 2024, how many lakes in the various size categories listed below did you treat with herbicides?
  - 100 to 500 Acres: 150 Lakes
  - >500 Acres: 100+ Lakes
- C. Please list on a separate sheet all of the equipment to be utilized for the herbicide treatments at Cedar Lake. Include a complete description of the deep-water injection system method used to comply with Work Specifications, Paragraph 12.
- D. Please provide a maximum of three references of previous work. For each project, provide a contact person with phone number and include:

- Lake Name
- County
- Surface Acreage
- Treatment Area Acreage
- Target Plants
- Herbicides Applied

SIGNATURE: Trina L. Duncan DATE 02/07/2025

NAME : Trina L. Duncan

(Printed)

TITLE: Business Manager

# **Appendix A**

## **Contractor Bid Long Form Worksheets**

**Contractor to complete all following worksheets in their entirety and return all sheets with their bid.**



## Table of Contents and Document Completion Checklist

Please use the Table of Contents as a Check List for All Line Items That You Have Completed in the Bid Docs.  
Place a Checkmark on Each Item Completed in the Bid Docs.  
Consideration is Given to Bidders Who Comprehensively Complete the Bid Document Forms

### Part 1: Permit Fees, Notifications, Site Reviews and Other Associated Services

- S1  Permit Fees  
Permit Application Fees, Pass-Through Permit Costs
- S2  Riparian Notifications and Communications (Required)  
All costs required by permits or additional notifications
- S3  Public Meetings (optional, may be no charge)  
Q&A sessions and formal presentations
- S4  On-Site Lake Condition Review  
Attended by members of management team

### Part 2: Improvement Agent Application

- A1  Cost to Apply Liquid Applied (Liquids, Flowables, Wettable Powders) Agents, Less Than 5 Acres
- A2  Cost to Apply Liquid Applied (Liquids, Flowables, Wettable Powders) Agents, More Than 5 Acres
- A3  Cost to Apply Granular Agents, Less Than 5 Acres
- A4  Cost to Apply Granular Agents, More Than 5 Acres
- A5  Cost to Simultaneously Apply Granular and Liquid Applied Agents, Less Than 5 Acres
- A6  Cost to Simultaneously Apply Granular and Liquid Applied Agents, More Than 5 Acres

### Part 3: Cost of Agents Applied as Liquids Including Applicable Taxes and Surcharges

List Cost of Intervention Agent or Combination Products by Unit Volume or Weight  
Liquid Applied Agents Include Liquids, Flowables, Wettable Powders, and Slurried Agents  
Please Place a Check Mark by Each Product Offered by Your Company.  
Some of the Listed Intervention Agents May Not Be Approved for Use in Michigan.

- L1  Bispyribac
- L2  Carfentrazone
- L3  Copper chelate + phosphorus binder
- L4  Copper Chelate Algaecide
- L5  Copper Chelate Ethanolamine
- L6  Copper Chelate Ethylenediamine
- L7  Copper Chelate Herbicide
- L8  Copper Hydroxide
- L9  Copper Sulfate
- L10  Diquat & Endothal
- L11  Diquat Dibromide
- L12  Endothal Amine
- L13  Endothal Potassium Salt
- L14  Florpyrauxifen-benzyl
- L15  Flumioxazin
- L16  Fluridone
- L17  Fluroxypyr
- L18  Glyphosate
- L19  Hydrogen Peroxide
- L20  Imazamox
- L21  Imazapyr
- L22  Penoxsulam
- L23  Quinclorac
- L24  Topramazone
- L25  Triclopyr Acid
- L26  Triclopyr, amine
- L27  Trifloxysulfuron
- L28  2,4-D, Amine
- L29  2,4-D Amine & Flumioxazin

**Part 4: Cost of Granular Materials Per Pound Including Applicable Taxes and Surcharges**

- G1  Copper Chelate (Ethanalamine)
- G2  Copper chelate (Ethylenediamine)
- G3  Endothall, Potassium Salt
- G4  Endothall, Amine
- G5  Fluridone
- G6  Triclopyr Triethylamine Salt
- G7  2,4-D Amine
- G8  2,4-D Amine & Triclopyr
- G9  2,4-D BEE, granular
- G10  2,4-D IOE

**Part 5: Dyes, Colorants, and Tracers**

- T1  Blue Liquid
- T2  Black Liquid
- T3  Red Tracer Liquid
- T4  Other Liquid
- T5  Blue Powder/Granule
- T6  Black Powder/Granule
- T7  Other Powder/Granule

**Part 6: Biological Biocides and Nutrient Deactivation Agents**

- B1  Liquid Bacteria Amendment for Muck Control
- B2  Wettable / Soluble Bacteria Amendment for Muck Control
- B3  Liquid Bacteria Amendment for Water Clarification
- B4  Wettable / Soluble Bacteria Amendment for Water Clarification
- B5  Liquid Endocide
- B6  Flowable, Wettable Powder, or Granular Endocide
- B7  Liquid Biopesticide (USEPA Registered Bio-Pesticide)
- B8  Flowable, Wettable Powder, or Granular Biopesticide (USEPA Registered Bio-Pesticide)
- N1  Alum Nutrient Inactivation Agent
- N2  Lanthanum Nutrient Inactivation Agent

**Part 7: Chemical and Biological Adjuvants**

- Activators
- J11  D-Limonine
- J12  Pine
- J13  Proteins
- Sinking and Sticking Agents (Polymers and Emergent Plant Control Enhancements)
- J21  Liquid Adjuvant
- J22  Wettable / Powder Adjuvant
- Inverts
- J31  Liquid Invert Agent

**Part 1: Permit Fees, Notifications, Site Reviews and Other Associated Services**

**Service Description**

S1 Permit Fees		Cost \$US
	Pesticide Application Permit Fees	\$1,600.00
	Launch Fees	No Charge
Other Permit Fees	Permit Preparation	\$182.50

S2 Riparian Notifications and Communications		Cost \$US
	MI EGLE Required 7-Day Notice (include postage)	\$1.00 per address
	Notification of Other Entities or Agencies Required by Permit	No Charge
	Day of Intervention Treatment Area Posting	No Charge
	Day of Intervention Whole Lake Shoreline Posting	No Charge
	Days Before Intervention Treatment Area Posting	\$800.00
	Day Before Intervention, Whole Lake Shoreline Posting	\$1,000.00

S3 Public Meetings		Cost \$US
	Q & A Participation	\$250.00 in-person
	Formal Presentation	\$500.00 in-person

S4 On-Site Lake Condition Review		Cost \$US
	Pre Intervention Review	\$900.00
	Post Intervention Review	\$900.00

## Part 2: Improvement Agent Application Cost

Service Description	
<b>A1 Cost to Apply Liquids to <u>Less</u> Than 5 Acres</b> A single or combination of liquid, flowables, or wettable powder agents per acre	Cost per Acre \$US <input type="text" value="\$115.00"/>
<b>A2 Cost to Apply Liquids to <u>More</u> Than 5 Acres</b> A single or combination of liquid, flowables, or wettable powder agents per acre	Cost per Acre \$US <input type="text" value="\$95.00"/>
<b>A3 Cost to Apply Granules to <u>Less</u> Than 5 Acres</b> A single or combination of granular agents per acre	Cost per Acre \$US <input type="text" value="\$150.00"/>
<b>A4 Cost to Apply Granules to <u>More</u> Than 5 Acres</b> A single or combination of granular agents per acre	Cost per Acre \$US <input type="text" value="\$115.00"/>
<b>A5 Cost to Simultaneously Apply Granules and Liquids to <u>Less</u> Than 5 Acres</b> A single or combination of granular and liquid applied agents per acre	Cost per Acre \$US <input type="text" value="\$190.00"/>
<b>A6 Cost to Simultaneously Apply Granules and Liquids to <u>More</u> Than 5 Acres</b> A single or combination of granular and liquid applied agents per acre	Cost per Acre \$US <input type="text" value="\$150.00"/>

**Part 3: Liquid Synthetic Biocide Cost Per Unit Volume Including Applicable Taxes and Surcharges**

LakeScan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
L1	1020	Carfentrazone	Stingray	1 gal.	\$730.00 per gallon
L2	1040	Copper Sulfate Liquid	Old Bridge, dissolved	1 gal.	\$2.12 per gallon
L3	1045	Copper Sulfate and Alum	SeClear G		\$5.00 per pound
L4	1050	Copper Chelate Liquid Algaecide	Citrine Plus or equivalent	1 gal.	\$34.81 per gallon
L5	1080	Copper Chelate Emulsified Liquid	Citrine Ultra or equivalent		\$37.77 per gallon
L6	1110	Copper Chelate Combo	Komeen or equivalent		\$44.20 per gallon
L7	1120	Copper Citrate Gluconate	Product not approved for use in Michigan		No Bid
L8	1150	Diquat Dibromide	Tribune of equivalent	1 gal.	\$77.38 per gallon
L9	1170	Diquat Combo	AquaStrike	1 gal.	\$99.17 per gallon
L10	1180	Endothall Salt Liquid	Aquathol-K	1 gal.	\$107.63 per gallon
L11	1200	Endothall Amine Liquid	Hydrothol-191	1 gal.	\$112.04 per gallon
L12	1270	Fluroxypyr	Product not approved for use in Michigan		No Bid
L13	1240	Fluridone Liquid	Sonar AS	1 qt.	\$671.25 per quart
L14	1230	Flumioxazin Liquid	Clipper SC or equivalent	1 qt.	\$450.26 per gallon
L15	1260	Florpyrauxifen-benzyl	ProcellaCOR EC	1 qt.	\$2,222.48 per gallon
L16	1280	Glyphosate	RoundUp Custom	1 gal.	\$55.70 per gallon
L17	1300	Imazamox	Clearcast	1 gal.	\$383.03 per gallon
L18	1310	Imazapyr	Habitat	1 gal.	\$124.55 per gallon
L19	1320	Penoxsulam	Galleon	1 gal.	\$846.03 per gallon

**Part 3: Liquid Materials Continued**

Lakescan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
L18	1350	Quinclorac		1 gal.	
			Product not approved for use in Michigan		No Bid
L19	1360	Topramazone		1 gal.	
			Oasis		\$3,865.78 per gallon
L20	1370	Trifloxysulfuron		1 gal.	
			Product not approved for use in Michigan		No Bid
L21	1380	Triclopyr Amine Liquid		1 gal.	
			Renovate 3 or equivalent		\$153.07 per gallon
L22	1410	Triclopyr Acid		1 gal.	
			Renovate 3 or equivalent		\$153.07 per gallon
L23	1420	2,4-D Amine Liquid		1 gal.	
			Product not approved for use in Michigan		No Bid
L24	1470	2,4-D Combo		1 gal.	
			Product not approved for use in Michigan		No Bid

**Part 4: Cost of Synthetic Granular Biocides Per Pound Including Applicable Taxes and Surcharges**

LakeScan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
G1	1030	Copper Sulfate	Old Bridge	1 lb.	\$2.12 per pound
G2	1070	Copper Chelate Granular Algaecide	Citrine Plus Granular	1 lb.	\$4.18 per pound
G3	1100	Copper Chelate Granular Herbicide	Harpoon Granular	1 lb.	\$2.72 per pound
G4	1190	Endothall Salt Granular	Aquathol Super K	1 lb.	\$27.78 per pound
G5	1210	Endothall Amine Granular	Hydrothol 191 Granular	1 lb.	\$5.30 per pound
G6	1250	Fluridone Granular	Sonar One	1 lb.	\$45.78 per pound
G7	1400	Triclopyr Amine Granular	Renovate OTF or equivalent	1 lb.	\$6.72 per pound
G8	1440	2,4-D Granular	Sculpin G	1 lb.	\$4.19 per pound
G9	1470	2,4-D Combo	Renovate Max G	1 lb.	\$5.45 per pound
G10	1450	2,4-D BEE Granular	Navigate	1 lb.	\$5.84 per pound
G10	1460	2,4-D IOE Granular	Product not approved for use in Michigan	1 lb.	No Bid

Part 5: Cost of Wettable or Slurried Materials Per Pound Including Applicable Taxes and Surcharges

LakeScan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
D1	1010	Bispyribac	Tradewind	1 gal.	\$1,001.67 per pound
D2	1030	Copper Sulfate	Old Bridge	1 lb.	\$2.12 per pound
D3	1060	Copper Chelate Herbicide	Granular Product, not wettable or slurried	1 lb.	No Bid
D4	1085	Copper Chelate Algaecide	Granular product, not wettable or slurried	1 lb.	No Bid
D5	1260	Flumioxazin	Clipper or equivalent	1 lb.	\$48.15 per pound
D6	1260	Hydrogen Peroxide	Phycomycin	1 lb.	\$1.73 per pound



**Part 6: Dyes, Colorants, and Tracers**

LakeScan™ Control Agent Codes		Dye or Colorant	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
T1	1085	Blue Liquid	N/A	1 gal.	No Bid
T2	1085	Black Liquid	N/A	1 gal.	No Bid
T3	1085	Red Tracer Liquid	N/A		No Bid
T4	1085	Other Liquid	N/A	1 gal.	No Bid
T5	1085	Blue Powder/Granule	N/A	1 oz.	No Bid
T6	1085	Black Powder/Granule	N/A	1 oz.	No Bid
T7	1085	Other Powder/Granule	N/A	1 oz.	No Bid

Part 7: Biological Agents, Endocides & Biocides

LakeScan™ Control Agent Codes	Biological Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
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**Sediment Mineralization**

B1	1030	Liquid Bacteria Amendment	1 gal.	No Bid
B2	1060	Wetable / Soluble Bacteria Amendment	1 lb.	No Bid

**Water Clarification**

B3		Liquid Bacteria Amendment	1 gal.	No Bid
B4		Wetable / Soluble Bacteria Amendment	1 lb.	No Bid

**Endocide**

B5		Liquid Bacteria Amendment	1 gal.	No Bid
B6		Wetable / Soluble Bacteria Amendment	1 lb.	No Bid

**Biocide (USEPA Registered Bio-Pesticide)**

B7		Liquid Bacteria Amendment	1 gal.	No Bid
B8		Wetable / Soluble Bacteria Amendment	1 lb.	No Bid

**Nutrient Inactivation Agent**

N1		Alum	1 lb.	No Bid
N2		Lanthanum	1 lb.	No Bid

Part 8: Chemical and Biological Adjuvants

LakeScan™ Control Agent Codes		Adjuvant	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
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**Activators**

J11	1030	D-Limonine	Cygnat Plus	1 gal.	\$23.67 per gallon
J12		Pine	Will be priced upon product selection by the limnologist	1 lb.	No Bid
J13		Proteins	AMP	1 lb.	\$99.30 per gallon

**Sinking and Sticking Agents (Polylmers and Emergent Plant Enhancements)**

J21		Liquid Adjuvant	PolyAn	1 gal.	\$50.82 per gallon
J22		Wetable / Soluble Adjuvant	Will be priced upon product selection by the limnologist	1 lb.	No Bid

**Inverts**

J31		Liquid Invert Agent	Will be priced upon product selection by the limnologist	1 gal.	No Bid
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# Appendix B

## Contractor Short Form Bid Worksheet

Contractor to complete the following worksheet in its entirety and return the sheet with their bid.

Item	Target Plant	Application Rate	Quantity	Price per Acre	Total
2,4-D Ester (e.g. Navigate)	Eurasian Milfoil	150 lbs./ acre	10 Acres	\$763.00	\$7,630.00
2,4-D Ester (e.g. Navigate) + Chelated Copper Algicide	Eurasian Milfoil	100 lbs./acre +1 gal./acre.	40 Acres	\$646.00	\$25,840.00
Triclopyr Dry	Eurasian Milfoil	160 lbs./ acre	10 Acres	\$935.00	\$9,350.00
Diquat Dibromide + Endothal Salt	Eurasian Milfoil CurlyLeaf Pondweed Nuisance Natives	1.0 gal./acre each agent	40 Acres	\$280.00	\$11,200.00
Diquat Dibromide	Eurasian Milfoil CurlyLeaf Pondweed Nuisance Natives	1.0 gal./ acre	40 Acres	\$154.00	\$6,160.00
		2.0 gal./ acre	40 Acres	\$223.00	\$8,920.00
Flumioxazin	CurlyLeaf Pondweed Nuisance Natives	2.0 lbs./ acre	10 Acres	\$238.00	\$2,380.00
Flumioxazin + Diquat Dibromide	Nuisance Natives	1.6 lbs./ acre + 1.0 gal/ acre	10 Acres	\$265.00	\$2,650.00
Aquathol K	Curly-Leaf Pondweed Nuisance Natives	1.0 gal. / acre	10 Acres	\$180.00	\$1,800.00
		2.0 gal./ acre	10 Acres	\$270.00	\$2,700.00
Glyphosate	Water Lilies Phragmites	6.0 pints/ acre	5 Lots (1600 ft2 per lot)	\$53.00	\$265.00
Chelated Copper Algicides	Algae Control	3.6 gal./ acre	40 Acres	\$127.00	\$5,080.00
ProcellaCOR EC + Diquat Dibromide	Eurasian and Hybrid Milfoils	16 oz./acre + 1 gal./acre	40 Acres	\$583.00	\$23,320.00
Add Carfentrazone as Adjuvant to any liquid or granular mix.	Eurasian and Hybrid Milfoils	6 oz./acre	40 Acres	\$34.22	\$1,369.00
Add AMP Adjuvant to any liquid or granular mix.	Eurasian and Hybrid Milfoils	1 gal./ acre	40 Acres	\$99.30	\$3,972.00
Add Chelated Copper as an Adjuvant to any liquid or granular mix.	Nuisance Species	1 gal./acre	40 Acres	\$37.70	\$1,508.00
			MDEQ Permit Fee	100 + Acres	\$1,760.00
				<b>Grand Total</b>	<b>\$115,904.00</b>

**BIDDER SCORE CARD AND EVALUATION FORM**

	Percent Importance	Bidder 1 SOLitude	Bidder 2 PLM	Bidder 3 LakePro
<b>Evaluation Overview</b>				
Meets Technical Qualifications	30	9	3	0
Performance Record and Proximity	20	3	1	1
Bid Prices & Hypothetical Worst Case Scenario	50	14	18	16
<b>Total Weighting Factors</b>	<b>100</b>	<b>26</b>	<b>22</b>	<b>17</b>
<b>Short Form Totals (for reference only)</b>		<b>\$115,904</b>	<b>\$124,680</b>	<b>\$107,433</b>

Safe Cells (where there is no formula) =   
 All other cells may contain a critical formula

		Bidder 1	Bidder 2	Bidder 3
<b>Qualifications and Technology Capabilities</b>				
Able to Meet Bid Spec Req's (Deep Injection Capability)		30	10	0

		Bidder 1	Bidder 2	Bidder 3
<b>Performance Record and Proximity to Lake</b>				
Applicator of "Record"	20	20		
Proximity to Lake	5	3	5	3
Admin Efficiency Record	+/- 1	-5		
Notification History	+/- 1	-5		
Additional Benefits	1 to 5			
<b>Point Sub Totals</b>	<b>20</b>	<b>13</b>	<b>5</b>	<b>3</b>

<b>Operational Services</b>			Bidder 1	Bidder 2	Bidder 3
Permit Cost and Application Preparation	Pass Through Cost	\$1,600	\$1,850	\$1,850	
	Prep Fee	\$183	\$0	\$0	
	Rank	1	2	2	
	Assigned Value	5	3	3	
Application Cost per Acre (>5 Acres)	Cost	\$95	\$80	\$40	
	Rank	3	2	1	
	Assigned Value	5	3	5	
	Assigned Value	5	3	5	
Application Cost per Pound per Acre	Cost	\$115	\$80	\$40	
	Rank	3	2	1	
	Assigned Value	5	3	5	
	Assigned Value	5	3	5	
7- Day Notifications (Mail)	Cost	\$692	\$500	\$400	
	Rank	3	2	1	
	Assigned Value	5	3	5	
	Assigned Value	5	3	5	
Posting	Cost	\$0	\$0	\$0	
	Rank	1	1	1	
	Assigned Value	5	5	5	
	Assigned Value	5	5	5	
PrePosting	Cost	\$800	\$0	\$500	
	Rank	3	1	2	
	Assigned Value	5	5	3	
	Assigned Value	5	3	3	
Preseason Survey	Cost	\$900	\$0	\$500	
	Rank	3	1	2	
	Assigned Value	5	5	3	
	Assigned Value	5	3	3	
In Person Meeting (Formal)	Cost	\$500	\$0	\$500	
	Rank	2	1	2	
	Assigned Value	5	5	3	
	Assigned Value	5	3	3	
In Person Meeting (Q&A)	Cost	\$250	\$0	\$250	
	Rank	2	1	2	
	Assigned Value	5	5	3	
	Assigned Value	5	3	3	
<b>Point Sub Totals (Highest Score is "Best" Lower Cost)</b>		<b>45</b>	<b>23</b>	<b>35</b>	<b>33</b>

<b>Bid Prices - Product (Most Probable to be Used)</b>			Bidder 1	Bidder 2	Bidder 3
Carfentrazone	Cost	\$730	\$625	\$600	
	Rank	2	1	2	
	Assigned Value	5	3	3	
	Assigned Value	5	3	3	
Copper Chelate + (per gal)	Cost	\$38	\$40	\$42	
	Rank	1	2	3	
	Assigned Value	5	1	3	
	Assigned Value	5	2	3	
Diquat (per gal)	Cost	\$77	\$90	\$123	
	Rank	1	2	3	
	Assigned Value	5	3	2	
	Assigned Value	5	3	2	
Aquathol K (per gal)	Cost	\$108	\$115	\$125	
	Rank	1	2	3	
	Assigned Value	5	3	2	
	Assigned Value	5	3	2	
ProcellaCOR (per gal)	Cost	\$2,222	\$2,880	\$1,000	
	Rank	1	2	3	
	Assigned Value	5	3	2	
	Assigned Value	5	3	2	
Flumioxazin (per lb)	Cost	\$48	\$75	\$45	
	Rank	2	3	1	
	Assigned Value	5	3	5	
	Assigned Value	5	2	5	
2,4-D	Cost	\$4	\$3	\$5	
	Rank	2	1	3	
	Assigned Value	5	3	2	
	Assigned Value	5	3	2	
	Cost				
	Rank				
	Assigned Value				
	Assigned Value				
	Cost				
	Rank				
	Assigned Value				
	Assigned Value				
<b>Point Sub Totals (Highest Score is Best)</b>		<b>20</b>	<b>13</b>	<b>12</b>	<b>10</b>

<b>Probable Cost Analysis</b>			
<b>Hypothetical Worst Case Treatment Scenario</b>	SOLitude	PLM	LakePro
Permit and Prep Fees	\$1,783	\$1,850	\$1,850
Meeting (Q&A)	\$250	\$0	\$250
Pre-Season On Site Survey/Meeting	\$900	\$0	\$500
Notification by Mail Seven-Day Notice	\$692	\$500	\$400
Posting	\$0	\$0	\$0
Application and Materials	\$112,721	\$104,763	\$118,675
<b>Total</b>	<b>\$116,346</b>	<b>\$107,113</b>	<b>\$121,675</b>
Rank	2	1	3
<b>Weighting Factor</b>	<b>3</b>	<b>2</b>	<b>3</b>

<b>Bid Cost Evaluation</b>	SOLitude	PLM	LakePro
	<b>28</b>	<b>37</b>	<b>32</b>

	Possible TmZ	Trenches		Off Shore Milfoil		General Nuisance			Nuisance Pondweeds				
		TmZ or Target:	50	TmZ or Target:	100	TmZ or Target:	50	TmZ or Target:	Acres	50			
Acres	Control Agent	Unit/Acre		Control Agent	Unit/Acre	Control Agent	Unit/Acre	Control Agent	Unit/Acre				
		Cutrine Adj	1	2,4-D	100	Carfentrazone	0.05	Aquathol K	1				
		Diquat	1	Cutrine Adj	2	Cutrine Adj	1	Flumi	1				
		Aquathol K	1			Diquat	1						
		ProcellaCOR	0.05			Aquathol K	1						
Bidder	Materials	Solitude	PLM	LakePro	Solitude	PLM	LakePro	Solitude	PLM	LakePro	Solitude	PLM	LakePro
		\$16,707	\$19,450	\$23,350	\$49,500	\$42,000	\$61,400	\$12,976	\$13,813	\$16,925	\$7,789	\$9,500	\$9,000
		\$4,750	\$4,000	\$2,000	\$11,500	\$8,000	\$4,000	\$4,750	\$4,000	\$2,000	\$4,750	\$4,000	\$0
		\$429	\$469	\$507	\$610	\$500	\$654	\$355	\$356	\$379	\$251	\$270	\$180
<b>Total (Materials and Application)</b>	<b>\$21,457</b>	<b>\$23,450</b>	<b>\$25,350</b>	<b>\$61,000</b>	<b>\$50,000</b>	<b>\$65,400</b>	<b>\$17,726</b>	<b>\$17,813</b>	<b>\$18,925</b>	<b>\$12,539</b>	<b>\$13,500</b>	<b>\$9,000</b>	

**CONTRACT AGREEMENT**

This is a Contract Agreement (the “AGREEMENT”), by and between the CEDAR LAKE IMPROVEMENT BOARD, a Michigan Statutory Lake Board, whose mailing address is PO Box 53, Greenbush, MI 48738, hereinafter referred to as the “CLIB”, and \_\_\_\_\_, whose address is \_\_\_\_\_, hereinafter referred to as “CONTRACTOR”.

**SCOPE OF WORK**

1. CONTRACTOR shall be responsible for aquatic plant herbicide treatments on Cedar Lake, located in Alcona and Iosco Counties, Greenbush and Oscoda Townships, State of Michigan. CONTRACTOR shall comply with all bidding requirements as set forth in a document generally referred to as “CEDAR LAKE IMPROVEMENT BOARD REQUEST FOR QUALIFICATIONS AND BIDS for AQUATIC PLANT HERBICIDE TREATMENTS OF CEDAR LAKE IOSCO COUNTY & ALCONA COUNTY MICHIGAN INVITATION FOR BIDS (aka the RFB) attached hereto as Exhibit “1”. Further, the scope of work must include all items as set forth in the RFB under the headings “Instructions to Bidders” and “Bidder Requirements and Work Specifications” and shall also include the application as generally set forth in CONTRACTOR’S proposal in response to the RFB, attached hereto as Exhibit “2”. Special emphasis is placed on Paragraph 12 of the Work Specifications in the RFB concerning the watercraft utilized for direct injection of herbicides well below the surface of the water. In treatment areas selected by the Lake Manager, the CLIB requires that the CONTRACTOR utilize suitable watercraft (air-boat preferred) equipped with a “spike” system for direct injection of herbicides below the surface of the water. The system must be approved by the Lake Manager. No other substitute will be accepted.

**CONSIDERATION**

2. CONTRACTOR shall receive payment from CLIB as consideration for the services as contemplated in this Agreement. Upon the completion of each service or lake itemized invoice must itemized invoice immediately following each treatment or other service. The format of the

invoice must materially match the example in in Exhibit “3” presenting all the information requested. The Lake Manager will review, approve, and forward the invoice to the CLIB for formal approval and payment. In Year 1 of the contract, the amount invoiced for each service or treatment will be priced according to the Contractor Bid Form Worksheets included in Appendix A, Parts 1 through 6, of the responsive bid on behalf of the CONTRACTOR. For each application event, the Lake Manager will specify the location and acreage, and the consensus decision of the management team including the application CONTRACTOR on the chemicals to be used and the application rate per acre will be made. The CONTRACTOR agrees that the unit prices named in the Contractor Bid Form Worksheets will be used and invoice amounts will be calculated based upon unit volume or weight, application rate per acre, and total acres treated. For the second and third year of the contract, the CONTRACTOR will submit in February new Contractor Bid Form Worksheets for each coming year.

#### TERM OF AGREEMENT

3. The term of this Agreement shall commence at the time in which this Agreement is signed by both parties hereto and shall continue for three (3) years and until completion of the above stated Scope of Work is performed on behalf of CONTRACTOR. This agreement is for a (3) year annually renewable contract with the CLIB incorporating the content and spirit of the bid specifications. The contract will only renew annually if both parties agree in writing on the costs for the coming year. Lack of mutual agreement on costs will be cause for the contract to terminate for the remaining life of the contract. However, this Agreement may be terminated without cause, by any party hereto, upon ninety (90) days written notice to the other party at the addresses as provided for herein. In the event this Agreement is terminated, pro-rated compensation will be paid to the CONTRACTOR for services performed to the date of termination.

#### CONTRACT DOCUMENTS

4. The documents which form the basis for this contractual understanding between CLIB and CONTRACTOR are as follows:

- A. This Agreement.
- B. The Invitation for Bids (Exhibit 1).

- C. The responsive bid on behalf of the CONTRACTOR (Exhibit 2).
- D. Itemized Invoice Information Standards (Exhibit 3)

### STANDARD OF PERFORMANCE

5. CONTRACTOR does hereby agree to engage in the work as described herein and perform same in a manner to be commonly expected of someone performing the services as generally described below and herein.

### INSURANCE

6. CONTRACTOR is agreeing to assume the responsibility for the job as described above and herein, and shall maintain at or above the minimum the following insurance coverage:

The Contractor shall furnish at their own expense insurance coverage including worker's compensation, general liability, and pollution liability. Coverages must be at or above the minimum amount of \$1,000,000 for each occurrence of bodily injury, at or above the minimum \$1,000,000 for each occurrence of property damage, and at or above the minimum \$1,000,000 for each occurrence of pollution. Said general liability insurance shall include evidence that Contractor's general liability insurance policy will cover Contractor's liability, as it relates to the application of herbicides and pesticides. The general liability insurance obtained must name the CLIB as additionally insured. Certificates of the insurance coverage shall be delivered to the CLIB within 10 days of award of the Contract. These certificates shall clearly indicate that the provisions of the applicable policy comply with the above requirements. If the policies confirmed by these certificates will expire prior to the termination of this contract, certificates for renewals must be delivered to the CLIB not less than 10 days prior to the expiration date. Failure to provide certificates of the required insurances will void the Contract awarded by the CLIB



## GENERAL TERMS AND CONDITIONS

7. Indemnification by the CONTRACTOR: The CONTRACTOR shall indemnify, protect and hold the CLIB, its employees and agents harmless from and against all liability, claims, demands, losses, damages, costs, or expenses (including attorney fees) or other liability or loss, including, accidents, injury, death, or damages to any person or property, related in any way to the performance of this Agreement that result from accidental acts, negligent acts, errors or omissions, or the willful misconduct of the CONTRACTOR'S personnel or equipment. This provision shall survive the termination of this Agreement.

8. Independent Contractor. The CONTRACTOR acknowledges and agrees that it is an independent contractor and is not an employee of the CLIB. As such, the CONTRACTOR shall not be entitled to participate in any fringe benefit programs adopted by the CLIB, nor will the CONTRACTOR be reimbursed for any expenses incurred. The CONTRACTOR shall be responsible for paying all of its own taxes on monies received for providing services under this Agreement.

9. Modifications. Any modifications to this Agreement or additional obligations assumed by either party in connection with this Agreement, shall be binding only if evidenced in writing, and signed by each party or an authorized representative of each party.

10. Authority to Contract. Each party warrants and represents that it has authority to enter into this Agreement.

11. Binding Parties. The statements herein shall bind all heirs, successors, and assigns of both parties.

12. Survival. These conditions shall survive the completion of the CONTRACTOR'S services on this project and the termination of services for any cause.

13. Governing Law. The services provided by this Agreement will be performed and the Agreement shall be deemed to have been made in Alcona County, Michigan. It is acknowledged that this Agreement was entered into, and services are to be provided in Alcona County & Iosco County by both parties hereto. The CONTRACTOR conducts business activities in Alcona County & Iosco County, and has responded to an advertisement, and has submitted a bid for this work, in Alcona County & Iosco County. Based upon this, and to the extent possible, both parties consent to the jurisdiction of Alcona County, State of Michigan.

14. Severability. If any provision of this Agreement is deemed to be invalid, it shall not affect the other remaining valid provisions hereof.

15. Notices. Any notices to be sent to either party are to be sent to those addresses as set forth in the first paragraph of this Agreement.

16. Incorporation of Agreements. This document is to be a total incorporation of all agreements and representations of and between each party hereto to the exclusion of any prior verbal representations.

17. Assignability. Any rights provided for in this Agreement, to any party hereto, are not assignable.

18. Conflict of Documents. Any conflict between the terms of any of the contract documents shall be resolved as follows: First, the terms of this Agreement shall prevail over any other document. Second, when this Agreement document is not involved, then the next document to be given priority is in fact the Request for Bid (RFB). Third, the documents CONTRACTOR submitted to CLIB, being its response to the aforementioned RFB, shall be given priority.

19. Anti-Discrimination. The CONTRACTOR shall comply with all state and federal Anti-discrimination laws and shall use the leased premises in a nondiscriminatory manner to the end that no person, on the ground of race, color, religion, sex, age, handicap, disability, or national origin, shall be excluded from using the facilities or obtaining the services provided thereon, or otherwise be subjected to discrimination under any program or activities provided thereon.

20. No Joint Venture. Nothing contained in the contract documents will make, or will be construed to make, the parties hereto partners or joint venturers with each other. Neither will anything in these contract documents render, or be construed to render, either of the parties hereto liable to any third party for the debts or obligations of the other party hereto.

21. Failure of CLIB to Insist on Compliance. The failure of CLIB to insist, in any one or more instances, upon strict performance of any of the terms, covenants, or conditions of the contract documents, shall not be construed as a waiver or relinquishment of the rights of CLIB to insist on the future performance of any such terms covenants, or conditions, but the obligations of the CONTRACTOR with respect to such future performance shall continue in full force and effect.

Cedar Lake Improvement Board

Dated: \_\_\_\_\_

\_\_\_\_\_

By: \_\_\_\_\_  
Its: Chairman

Dated: \_\_\_\_\_

\_\_\_\_\_

By: \_\_\_\_\_  
Its: \_\_\_\_\_

# Exhibit 1

**CEDAR LAKE IMPROVEMENT BOARD  
REQUEST FOR QUALIFICATIONS AND BIDS  
for  
AQUATIC PLANT HERBICIDE TREATMENTS  
OF CEDAR LAKE  
IOSCO COUNTY & ALCONA COUNTY  
MICHIGAN**

## **INVITATION FOR BIDS**

The Cedar Lake Improvement Board is accepting sealed bids for aquatic plant herbicide treatments on Cedar Lake in Iosco and Alcona Counties in the State of Michigan for three (3) years (2025 through and including 2027).

Sealed bids shall be submitted by **US Mail** to:

2025-2027 Aquatic Herbicide Treatment Program  
Cedar Lake Improvement Board  
PO Box 53  
Greenbush, MI 48738

Sealed bids must arrive by **US Mail** before 5:00 PM on Thursday, February 13, 2025. Emailed bids and bids received after the deadline will not be considered. Public Bid opening is scheduled for 10 AM on Friday, February 14, 2025, at the regular CLIB Meeting at the Greenbush Township Hall.

For questions please contact:

Rex Vaughn  
CLIB Chairman  
Email (preferred): [rvaughn@tir.com](mailto:rvaughn@tir.com)  
Mobile: 810-516-6686

## General Information for the Bidder

1. Cedar Lake is located in T.23N.-R.9E., Sections 15, 10, and 3 of Oscoda Township in Iosco County and T.25N.-R.9E., Sections 34, 27, and 22 of Greenbush Township in Alcona County in the State of Michigan. The lake is 1,075 acres in size. Annual treatment areas generally are less than 200 acres per year. Cedar Lake retains an independent professional limnologist Lake Manager who will direct, specify, and approve all treatment plans for Cedar Lake.
2. The following definitions will be used throughout this document:
  - a. The Lake: Cedar Lake.
  - b. The Board: Cedar Lake Improvement Board (aka CLIB).
  - c. The Lake Manager: Professional limnologist retained by the Board.
  - d. The Contractor: The entity that is awarded a contract by the Board.
  - e. The Contract: The resulting agreement between the Board and the Contractor based on this bidding process.
  - f. EGLE: State of Michigan Department of Environment, Great Lakes, and Energy.

## Instructions to the Bidder

1. The bidder shall examine the specifications and related documents attached and fully examine the Lake to familiarize themselves with all site conditions. The bidder shall make all necessary investigations to thoroughly inform themselves regarding past and present lake conditions including the EGLE Permits issued to previous Contractors using the EGLE MiEnviro Portal, Waterbody: WB-2127.
2. The bidder will also examine all lake treatment LakeScan™ Reports posted on the Board web site:

<https://cedarlakewmp.net/aquatic-plant-management>

3. No plea for ignorance of existing conditions shall be accepted. Failure or omission of any bidder to examine these documents or become acquainted with existing conditions shall in no way relieve them from any obligation with respect to their bid or any resulting contract.
4. The CLIB assumes no responsibility or liability for any costs incurred by the contractor prior to signing of an agreement. Total liability of the CLIB is limited to the terms and conditions of any contract resulting from this RFP.
5. If a bidder finds omissions or discrepancies in the bid documents, they shall immediately notify the CLIB so that the CLIB can issue an addendum to all bidders.

Cedar Lake Improvement Board  
Bid Documents For 2025-2027 Aquatic Plant Herbicide Treatments of Cedar Lake  
Invitation For Bids

6. Sealed bids must be submitted on the Bid Forms provided in this packet including Appendix A and Appendix B. All bid amounts must be shown as figures and written in ink or typewritten together with all other data as required and shall be legally signed with the complete address of the bidder.
7. The bid amounts shall be all inclusive and there shall be no additional charges. The prices named shall include all taxes in effect on the bid date. The bidder has included all Michigan sales and use taxes currently imposed by legislative enactment and as administered by the Michigan Department of Revenue on the bid date.
8. The Bid Form plus Appendix A and Appendix B must be fully completed and executed when submitted. Incomplete bids will not be considered.
9. Each bidder shall complete the Bidder Résumé and submit it with their Bid Form.
10. Each bid must be submitted in a sealed envelope bearing the following information clearly marked on the outside “Cedar Lake 2025-2027 Aquatic Herbicide Treatment Bid”.
11. Bids may be withdrawn prior to the stated deadline. Modification of bids in writing will be considered if received prior to the deadline. Once the deadline has lapsed, bids shall remain firm for 90 days, within which the contract shall be awarded.
12. Bids shall be evaluated upon cost and experience of the bidder. The CLIB reserves the right to accept or reject any and all bids, to waive any bid irregularities that may be in the best interest of the CLIB, and to negotiate a contract that will best meet the needs of the CLIB and its lake residents.
13. Awards will be made to the lowest responsive and acceptable offer or as judged by the CLIB. The CLIB may modify this request for proposals at its sole and exclusive discretion by addendum.
14. Acceptance of a proposal does not constitute a contract. Subsequently discovered information or circumstances may prompt the CLIB to rescind acceptance of any proposal after it has been accepted, but before the CLIB has taken action to authorize the contract to be signed. The CLIB reserves the right to rescind its acceptance of a proposal by adopting an appropriate resolution rescinding acceptance of a proposal. At no time has a contract been formed until the CLIB has so acted, and the contracts signed by the authorized individuals.
15. By signing and submitting the bid forms, the bidder affirms that their proposal is a free, independent, and legitimate proposal and that they have not engaged in any collusive practices that would have discouraged others to bid or influenced the terms of this proposal or of any others. Any evidence of collusion among the bidders, or any prospective bidders, shall be grounds for disqualification of a bidder and the voiding of any resulting contract.
16. Submitted bids shall become property of the CLIB. Any and all documents produced under the terms of any resulting agreements shall remain property of the CLIB and shall be provided upon request.

## **Bidder Requirements**

1. The Contractor must have a Pesticide Application Business License from the Michigan Department of Agriculture and Rural Development in Category 5 (Aquatic Pest Management).
2. All persons employed and utilized for treatments on the Lake must be Certified Commercial Applicators in Category 5 (Aquatic Pest Management) by the Michigan Department of Agriculture and Rural Development.
3. The Contractor must be able to obtain aquatic nuisance control permits from EGLE.
4. The Contractor shall furnish at their own expense insurance coverage including worker's compensation, general liability, and pollution liability. Coverages must be for the minimum amount of \$1,000,000 for each occurrence of bodily injury, minimum \$1,000,000 for each occurrence of property damage, and minimum \$1,000,000 for each occurrence of pollution. Said general liability insurance shall include evidence that Contractor's general liability insurance policy will cover Contractor's liability, as it relates to the application of herbicides and pesticides. The general liability insurance obtained must name the CLIB as additionally insured. Certificates of the insurance coverage shall be delivered to the CLIB within 10 days of award of the Contract. These certificates shall clearly indicate that the provisions of the applicable policy comply with the above requirements. If the policies confirmed by these certificates will expire prior to the termination of this contract, certificates for renewals must be delivered to the CLIB not less than 10 days prior to the expiration date. Failure to provide certificates of the required insurances will void the Contract awarded by the CLIB.

## **Work Specifications**

1. The Contract shall be binding on the parties and their successors and assigns; however, the Contractor shall not assign, subcontract, or otherwise transfer the work described and contracted herein without the express prior written consent of the CLIB and the Lake Manager. A violation of this term shall be considered a materials breach of the Contract.
2. The predominant aquatic invasive plants found in Cedar Lake have been Eurasian/Hybrids Water Milfoils, Curly-Leaf Pondweed, and Starry Stonewort (minor). Nuisance plants may also include Variable Water Milfoil, Naiad, Elodea, Wild Celery, Native Pondweeds, Chara, and others as described in the LakeScan™ Reports posted on the Board web site. Review of the LakeScan™ Reports by the contractor is considered mandatory. Invasive terrestrial Phragmites have also been found and treated along shorelines both above and below the ordinary high-water mark.
3. Pursuant to provisions of Part 33, Aquatic Nuisance Control, of P.A. 451 of 1994 (the Natural Resources and Environmental Protection Act), as amended, the Contractor will secure a permit from EGLE prior to any herbicide applications to the Lake. The permit application, in its entirety, shall be submitted to EGLE and to the CLIB within 10 working days of award of the Contract. In addition to aquatic plants, the permit application must also include provisions for treating invasive terrestrial Phragmites along the lake shoreline both above and below the ordinary high water mark.

4. The Contractor shall be responsible for all statutory notifications and postings. Copies of all notifications, postings, and mailings related to this project shall be provided to the Lake Manager and the CLIB for review and approval prior to distribution. No advertising for additional services offered by the Contractor to individual lakefront property owners will be allowed on any of the notifications or postings.
5. Areas and the number of acres to be treated will be specified in writing by the Lake Manager utilizing LakeScan™ AROS maps with GPS reference to MeasureMap Pro for on-water use (<https://blueblinkone.com/apps.html>). The Contractor shall coordinate their activities directly with the Lake Manager.
6. The intent of any resulting contract is to obtain clean, safe, proper, effective, and thoroughly professional undertaking of lake services. The successful bidder shall be competent, courteous, and orderly while on the job.
7. The Contractor shall only make professional visits and herbicide treatments to the Lake when authorized and as directed by the Lake Manager. Those visits include, but are not limited to, an annual pre-season on-water full lake survey with a CLIB representative, the Lake Manager, and the Contractor prior to Memorial Day.
8. The Contractor must schedule treatments to not restrict recreational water use (e.g. swimming, fishing) on Fridays, Saturdays, Sundays, Memorial Day, July 4<sup>th</sup>, Labor Day, or other special occasions as determined by the CLIB.
9. The Contractor must follow EGLE restrictions on the use of copper-based products during May and June. These restrictions will be listed in the EGLE Permit.
10. The Contractor must thoroughly wash all boats, motors, trailers, and herbicide equipment and ensure it is free of plant fragments and zebra mussels before launching into Cedar Lake.
10. All herbicides, algicides, adjuvants, and shade products applied to the Lake must be approved by EGLE. These products must be stored, transported, handled, and applied in a manner consistent with state regulations and manufacturer labels.
11. Treatments plans will be developed by the lake management team that is comprised of the contractor, the Lake Manager, and a representative of the CLIB. Plans are approved by the Lake Manager, accepted by the CLIB, and executed by the Contractor in the timeframe specified by the Lake Manager. If there is not adequate die-back of treated plants, the Contractor, at the Lake Manager's discretion, may be required to re-treat these plants at no additional cost to the CLIB.
12. There are several areas on Cedar Lake that will require the Contractor to deploy an application method that directly injects herbicides well below the surface of the lake while the watercraft is in motion (deep-water injection). The watercraft utilized by the Contractor must be equipped with such a system, and the system must be approved by the Lake Manager. A description of the deep-water injection system method utilized by the Contractor must be included in the Bid Form. Lack of such a direct deep-water injection system will result in disqualification of the bid.



13. If a fluridone treatment is required, the Lake Manager will be responsible for the Lake Management Plan. The Lake Manager will be responsible for collecting and shipping residue samples. The Contractor will be reimbursed for shipping costs, lab fees, and time at the Lake. The results of residue monitoring shall be faxed or e-mailed to the Contractor within 10 working days of sample date.

14. If residue samples for the use of Triclopyr or 2,4-D are required by the EGLE Permit, the Lake Manager will determine the number and location of residue samples. The Lake Manager will be responsible for collecting and shipping residue samples. The Contractor will assist the Lake Manager in collecting the samples and will be reimbursed for shipping costs, lab fees, and time at the Lake. The results of residue monitoring shall be faxed or e-mailed to the Contractor within 5 working days of sample date.

15. Upon the completion of work, the Contractor shall submit to the CLIB and the Lake Manager a detailed invoice immediately following each treatment or other service. The Lake Manager will review, approve, and forward the invoice to the CLIB for formal approval and payment.

**BID FORM**

BID DATE: \_\_\_\_\_, 2025

BID TO:

2025-2027 Aquatic Herbicide Treatment Program  
Cedar Lake Improvement Board  
PO Box 53  
Greenbush, MI 48738

The undersigned bidder hereby declares that this bid is made in good faith and without fraud or collusion with any other bidder or any competitor.

The bidder has carefully read, examined, and understands the General Information, Instructions, Requirements, and Specifications for the proposed work. The bidder has investigated the lake and its condition to determine the character and difficulties attending the execution of the proposed work.

The bidder understands that the acreages listed are approximate and subject to change based upon lake surveys performed by the Lake Manager. For each application event, the Lake Manager will specify the location, acreage, chemicals to be used, and the application rate per acre. The bidder agrees that the unit prices named will be used and invoice amounts will be calculated based upon unit volume or weight, application rate per acre, and total acres treated.

All work described in the bid specifications and required for completion of the project shall be considered as incidental work unless designated as a pay item on the Bid Form. The CLIB assumes no responsibility or liability for any costs incurred by the Contractor prior to the signing of an agreement. Total liability of the CLIB is limited to the terms and conditions of the Contract resulting from this bid document.

The undersigned agrees that this bid shall be good for 90 calendar days after the scheduled closing time for receiving bids. Within that timeframe, the CLIB shall provide a written Notice of Award to the successful bidder. Within 10 days of the Notice of Award, the Contractor shall deliver the required certificates of insurance described in the "Bidder Requirements". In the event the contract and certificates of insurance are not provided within the time set, the CLIB reserves the right to void the Notice of Award and the Contract.

Cedar Lake Improvement Board  
Bid Documents For 2025-2027 Aquatic Plant Herbicide Treatments of Cedar Lake  
Invitation For Bids

Upon receipt of the written Notice of Award, the bidder shall enter into a formal three (3) year annually renewable contract with the CLIB incorporating the content and spirit of the bid specifications. The contract will renew annually only if both parties agree in writing on the costs for the coming year. Lack of mutual agreement on costs will be cause for the contract to terminate for the remaining life of the contract.

The bidder understands the CLIB reserves the rights to reject any or all bids, to waive any irregularities in the bidding, and to award the contract to other than the low bidder.

The bidder proposes and agrees, upon acceptance of the bid, to contract with the CLIB, incorporating the content and spirit of the bid specifications. The bidder will provide all necessary equipment, products, personnel, and transportation necessary to execute the work referred to in this invitation to bid. Furthermore, the bidder agrees to perform all work in the manner and time prescribed and according to the requirements of the Lake Manager and the CLIB.

The undersigned, having familiarized themselves with the Instructions to Bidders and the Work Specifications, hereby proposes to perform everything required and to provide and furnish all of the labor, materials, equipment, and all utility and transportation services necessary to perform and complete all the work required for aquatic herbicide treatments of Cedar Lake in a workmanlike manner, all in accordance with the specifications, and at prices as listed in the worksheets located in Appendix A and Appendix B.

The undersigned, by execution of this document, certifies that he/she is the representative of the firm named as the bidder and that he/she is authorized to execute this bid on behalf of the said firm.

SIGNATURE: \_\_\_\_\_

NAME: \_\_\_\_\_

(Printed)

TITLE: \_\_\_\_\_

COMPANY NAME: \_\_\_\_\_

COMPANY ADDRESS: \_\_\_\_\_

Cedar Lake Improvement Board  
Bid Documents For 2025-2027 Aquatic Plant Herbicide Treatments of Cedar Lake  
Invitation For Bids

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TELEPHONE:

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FAX:

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E-MAIL

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DATE:

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**Bidder Résumé**

In order to expedite the award of this contract, the bidder is required to provide the following information to demonstrate prior experience with similar work to that described on Cedar Lake.

Bidder: \_\_\_\_\_ Company Name)

- A. Please provide a list of applicators employed by your company and their respective dates of certification by the Michigan Department of Agriculture.
- B. In 2024, how many lakes in the various size categories listed below did you treat with herbicides?
  - 100 to 500 Acres: \_\_\_\_\_Lakes
  - >500 Acres: \_\_\_\_\_Lakes
- C. Please list on a separate sheet all of the equipment to be utilized for the herbicide treatments at Cedar Lake. Include a complete description of the deep-water injection system method used to comply with Work Specifications, Paragraph 12.
- D. Please provide a maximum of three references of previous work. For each project, provide a contact person with phone number and include:
  - Lake Name
  - County
  - Surface Acreage
  - Treatment Area Acreage
  - Target Plants
  - Herbicides Applied

SIGNATURE: \_\_\_\_\_ DATE \_\_\_\_\_

NAME : \_\_\_\_\_  
(Printed)

TITLE: \_\_\_\_\_

# **Appendix A**

## **Contractor Bid Long Form Worksheets**

**Contractor to complete all following worksheets in their entirety and return all sheets with their bid.**

## Table of Contents and Document Completion Checklist

Please use the Table of Contents as a Check List for All Line Items That You Have Completed in the Bid Docs.  
Place a Checkmark on Each Item Completed in the Bid Docs.  
Consideration is Given to Bidders Who Comprehensively Complete the Bid Document Forms

### Part 1: Permit Fees, Notifications, Site Reviews and Other Associated Services

- S1**  Permit Fees  
      Permit Application Fees, Pass-Through Permit Costs
- S2**  Riparian Notifications and Communications (Required)  
      All costs required by permits or additional notifications
- S3**  Public Meetings (optional, may be no charge)  
      Q&A sessions and formal presentations
- S4**  On-Site Lake Condition Review  
      Attended by members of management team

### Part 2: Improvement Agent Application

- A1**  Cost to Apply Liquid Applied (Liquids, Flowables, Wettable Powders) Agents, Less Than 5 Acres
- A2**  Cost to Apply Liquid Applied (Liquids, Flowables, Wettable Powders) Agents, More Than 5 Acres
- A3**  Cost to Apply Granular Agents, Less Than 5 Acres
- A4**  Cost to Apply Granular Agents, More Than 5 Acres
- A5**  Cost to Simultaneously Apply Granular and Liquid Applied Agents, Less Than 5 Acres
- A6**  Cost to Simultaneously Apply Granular and Liquid Applied Agents, More Than 5 Acres

### Part 3: Cost of Agents Applied as Liquids Including Applicable Taxes and Surcharges

List Cost of Intervention Agent or Combination Products by Unit Volume or Weight  
 Liquid Applied Agents Include Liquids, Flowables, Wettable Powders, and Slurried Agents  
 Please Place a Check Mark by Each Product Offered by Your Company.  
 Some of the Listed Intervention Agents May Not Be Approved for Use in Michigan.

- L1**  Bispyribac
- L2**  Carfentrazone
- L3**  Copper chelate + phosphorus binder
- L4**  Copper Chelate Algaecide
- L5**  Copper Chelate Ethanolamine
- L6**  Copper Chelate Ethylenediamine
- L7**  Copper Chelate Herbicide
- L8**  Copper Hydroxide
- L9**  Copper Sulfate
- L10**  Diquat & Endothal
- L11**  Diquat Dibromide
- L12**  Endothal Amine
- L13**  Endothal Potassium Salt
- L14**  Florpyrauxifen-benzyl
- L15**  Flumioxazin
- L16**  Fluridone
- L17**  Fluroxypyr
- L18**  Glyphosate
- L19**  Hydrogen Peroxide
- L20**  Imazamox
- L21**  Imazapyr
- L22**  Penoxsulam
- L23**  Quinclorac
- L24**  Topramazone
- L25**  Triclopyr Acid
- L26**  Triclopyr, amine
- L27**  Trifloxysulfuron
- L28**  2,4-D, Amine
- L29**  2,4-D Amine & Flumioxazin

**Part 4: Cost of Granular Materials Per Pound Including Applicable Taxes and Surcharges**

- G1  Copper Chelate (Ethanalamine)
- G2  Copper chelate (Ethylenediamine)
- G3  Endothall, Potassium Salt
- G4  Endothall, Amine
- G5  Fluridone
- G6  Triclopyr Triethylamine Salt
- G7  2,4-D Amine
- G8  2,4-D Amine & Triclopyr
- G9  2,4-D BEE, granular
- G10  2,4-D IOE

**Part 5: Dyes, Colorants, and Tracers**

- T1  Blue Liquid
- T2  Black Liquid
- T3  Red Tracer Liquid
- T4  Other Liquid
- T5  Blue Powder/Granule
- T6  Black Powder/Granule
- T7  Other Powder/Granule

**Part 6: Biological Biocides and Nutrient Deactivation Agents**

- B1  Liquid Bacteria Amendment for Muck Control
- B2  Wettable / Soluble Bacteria Amendment for Muck Control
- B3  Liquid Bacteria Amendment for Water Clarification
- B4  Wettable / Soluble Bacteria Amendment for Water Clarification
- B5  Liquid Endocide
- B6  Flowable, Wettable Powder, or Granular Endocide
- B7  Liquid Biopesticide (USEPA Registered Bio-Pesticide)
- B8  Flowable, Wettable Powder, or Granular Biopesticide (USEPA Registered Bio-Pesticide)
- N1  Alum Nutrient Inactivation Agent
- N2  Lanthanum Nutrient Inactivation Agent

**Part 7: Chemical and Biological Adjuvants**

- Activators
- J11  D-Limonine
- J12  Pine
- J13  Proteins
- Sinking and Sticking Agents (Polymers and Emergent Plant Control Enhancements)
- J21  Liquid Adjuvant
- J22  Wettable / Powder Adjuvant
- Inverts
- J31  Liquid Invert Agent



**Part 1: Permit Fees, Notifications, Site Reviews and Other Associated Services**

**Service Description**

<b>S1 Permit Fees</b>		<b>Cost \$US</b>
	Pesticide Application Permit Fees	<input type="text"/>
	Launch Fees	<input type="text"/>
Other Permit Fees	<input type="text"/>	<input type="text"/>

<b>S2 Riparian Notifications and Communications</b>		<b>Cost \$US</b>
	MI EGLE Required 7-Day Notice (include postage)	<input type="text"/>
	Notification of Other Entities or Agencies Required by Permit	<input type="text"/>
	Day of Intervention Treatment Area Posting	<input type="text"/>
	Day of Intervention Whole Lake Shoreline Posting	<input type="text"/>
	Days Before Intervention Treatment Area Posting	<input type="text"/>
	Day Before Intervention, Whole Lake Shoreline Posting	<input type="text"/>

<b>S3 Public Meetings</b>		<b>Cost \$US</b>
	Q & A Participation	<input type="text"/>
	Formal Presentation	<input type="text"/>

<b>S4 On-Site Lake Condition Review</b>		<b>Cost \$US</b>
	Pre Intervention Review	<input type="text"/>
	Post Intervention Review	<input type="text"/>

## Part 2: Improvement Agent Application Cost

Service Description	
<b>A1 Cost to Apply Liquids to <u>Less</u> Than 5 Acres</b> A single or combination of liquid, flowables, or wettable powder agents per acre	Cost per Acre \$US <input type="text"/>
<b>A2 Cost to Apply Liquids to <u>More</u> Than 5 Acres</b> A single or combination of liquid, flowables, or wettable powder agents per acre	Cost per Acre \$US <input type="text"/>
<b>A3 Cost to Apply Granules to <u>Less</u> Than 5 Acres</b> A single or combination of granular agents per acre	Cost per Acre \$US <input type="text"/>
<b>A4 Cost to Apply Granules to <u>More</u> Than 5 Acres</b> A single or combination of granular agents per acre	Cost per Acre \$US <input type="text"/>
<b>A5 Cost to Simultaneously Apply Granules and Liquids to <u>Less</u> Than 5 Acres</b> A single or combination of granular and liquid applied agents per acre	Cost per Acre \$US <input type="text"/>
<b>A6 Cost to Simultaneously Apply Granules and Liquids to <u>More</u> Than 5 Acres</b> A single or combination of granular and liquid applied agents per acre	Cost per Acre \$US <input type="text"/>

**Part 3: Liquid Synthetic Biocide Cost Per Unit Volume Including Applicable Taxes and Surcharges**

LakeScan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
L1	1020	Carfentrazone	Stingray	1 gal.	
L2	1040	Copper Sulfate Liquid		1 gal.	
L3	1045	Copper Sulfate and Alum	SeClear G		
L4	1050	Copper Chelate Liquid Algaecide		1 gal.	
L5	1080	Copper Chelate Emulsified Liquid			
L6	1110	Copper Chelate Combo			
L7	1120	Copper Citrate Gluconate			
L8	1150	Diquat Dibromide		1 gal.	
L9	1170	Diquat Combo		1 gal.	
L10	1180	Endothall Salt Liquid		1 gal.	
L11	1200	Endothall Amine Liquid		1 gal.	
L12	1270	Fluroxypyr			
L13	1240	Fluridone Liquid		1 qt.	
L14	1230	Flumioxazin Liquid		1 qt.	
L15	1260	Florpyrauxifen-benzyl		1 qt.	
L16	1280	Glyphosate		1 gal.	
L17	1300	Imazamox		1 gal.	
L18	1310	Imazapyr		1 gal.	
L19	1320	Penoxsulam		1 gal.	

**Part 3: Liquid Materials Continued**

Lakescan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
L18	1350		Quinclorac	1 gal.	
L19	1360		Topramazone	1 gal.	
L20	1370		Trifloxysulfuron	1 gal.	
L21	1380		Triclopyr Amine Liquid	1 gal.	
L22	1410		Triclopyr Acid	1 gal.	
L23	1420		2,4-D Amine Liquid	1 gal.	
L24	1470		2,4-D Combo	1 gal.	

**Part 4: Cost of Synthetic Granular Biocides Per Pound Including Applicable Taxes and Surcharges**

LakeScan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
G1	1030	Copper Sulfate	<input type="text"/> <input type="text"/>	1 lb.	<input type="text"/> <input type="text"/>
G2	1070	Copper Chelate Granular Algaecide	<input type="text"/> <input type="text"/>	1 lb.	<input type="text"/> <input type="text"/>
G3	1100	Copper Chelate Granular Herbicide	<input type="text"/> <input type="text"/>	1 lb.	<input type="text"/> <input type="text"/>
G4	1190	Endothall Salt Granular	<input type="text"/> <input type="text"/>	1 lb.	<input type="text"/> <input type="text"/>
G5	1210	Endothall Amine Granular	<input type="text"/> <input type="text"/>	1 lb.	<input type="text"/> <input type="text"/>
G6	1250	Fluridone Granular	<input type="text"/> <input type="text"/>	1 lb.	<input type="text"/> <input type="text"/>
G7	1400	Triclopyr Amine Granular	<input type="text"/> <input type="text"/>	1 lb.	<input type="text"/> <input type="text"/>
G8	1440	2,4-D Granular	<input type="text"/> <input type="text"/>	1 lb.	<input type="text"/> <input type="text"/>
G9	1470	2,4-D Combo	<input type="text"/> <input type="text"/>	1 lb.	<input type="text"/> <input type="text"/>
G10	1450	2,4-D BEE Granular	<input type="text"/> <input type="text"/>	1 lb.	<input type="text"/> <input type="text"/>
G10	1460	2,4-D IOE Granular		1 lb.	

Part 5: Cost of Wettable or Slurried Materials Per Pound Including Applicable Taxes and Surcharges

LakeScan™ Control Agent Codes		Control Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
D1	1010	Bispyribac	Tradewind	1 gal.	
D2	1030	Copper Sulfate		1 lb.	
D3	1060	Copper Chelate Herbicide		1 lb.	
D4	1085	Copper Chelate Algaecide		1 lb.	
D5	1260	Flumioxazin		1 lb.	
D6	1260	Hydrogen Peroxide		1 lb.	

**Part 6: Dyes, Colorants, and Tracers**

LakeScan™ Control Agent Codes		Dye or Colorant	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
T1	1085	Blue Liquid		1 gal.	
T2	1085	Black Liquid		1 gal.	
T3	1085	Red Tracer Liquid			
T4	1085	Other Liquid		1 gal.	
T5	1085	Blue Powder/Granule		1 oz.	
T6	1085	Black Powder/Granule		1 oz.	
T7	1085	Other Powder/Granule		1 oz.	

Part 7: Biological Agents, Endocides & Biocides

LakeScan™ Control Agent Codes	Biological Agent	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
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**Sediment Mineralization**

B1	1030	Liquid Bacteria Amendment	1 gal.	
B2	1060	Wetable / Soluble Bacteria Amendment	1 lb.	

**Water Clarification**

B3		Liquid Bacteria Amendment	1 gal.	
B4		Wetable / Soluble Bacteria Amendment	1 lb.	

**Endocide**

B5		Liquid Bacteria Amendment	1 gal.	
B6		Wetable / Soluble Bacteria Amendment	1 lb.	

**Biocide (USEPA Registered Bio-Pesticide)**

B7		Liquid Bacteria Amendment	1 gal.	
B8		Wetable / Soluble Bacteria Amendment	1 lb.	

**Nutrient Inactivation Agent**

N1		Alum	1 lb.	
N2		Lanthanum	1 lb.	



Part 8: Chemical and Biological Adjuvants

LakeScan™ Control Agent Codes		Adjuvant	Brand Name	Unit Volume or Weight	Bid Cost Per Unit Volume or Weight Including all Taxes and Delivery \$US
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**Activators**

J11	1030	D-Limonine		1 gal.	
J12		Pine		1 lb.	
J13		Proteins		1 lb.	

**Sinking and Sticking Agents (Polylmers and Emergent Plant Enhancements)**

J21		Liquid Adjuvant		1 gal.	
J22		Wetable / Soluble Adjuvant		1 lb.	

**Inverts**

J31		Liquid Invert Agent		1 gal.	

# Appendix B

## Contractor Short Form Bid Worksheet

Contractor to complete the following worksheet in its entirety and return the sheet with their bid.

Item	Target Plant	Application Rate	Quantity	Price per Acre	Total
2,4-D Ester (e.g. Navigate)	Eurasian Milfoil	150 lbs./ acre	10 Acres		
2,4-D Ester (e.g. Navigate) + Chelated Copper Algicide	Eurasian Milfoil	100 lbs./acre +1 gal./acre.	40 Acres		
Triclopyr Dry	Eurasian Milfoil	160 lbs./ acre	10 Acres		
Diquat Dibromide + Endothal Salt	Eurasian Milfoil CurlyLeaf Pondweed Nuisance Natives	1.0 gal./acre each agent	40 Acres		
Diquat Dibromide	Eurasian Milfoil CurlyLeaf Pondweed Nuisance Natives	1.0 gal./ acre	40 Acres		
		2.0 gal./ acre	40 Acres		
Flumioxazin	CurlyLeaf Pondweed Nuisance Natives	2.0 lbs./ acre	10 Acres		
Flumioxazin + Diquat Dibromide	Nuisance Natives	1.6 lbs./ acre + 1.0 gal/ acre	10 Acres		
Aquathol K	Curly-Leaf Pondweed Nuisance Natives	1.0 gal. / acre	10 Acres		
		2.0 gal./ acre	10 Acres		
Glyphosate	Water Lilies Phragmites	6.0 pints/ acre	5 Lots (1600 ft <sup>2</sup> per lot)		
Chelated Copper Algicides	Algae Control	3.6 gal./ acre	40 Acres		
ProcellaCOR EC + Diquat Dibromide	Eurasian and Hybrid Milfoils	16 oz./acre + 1 gal./acre	40 Acres		
Add Carfentrazone as Adjuvant to any liquid or granular mix.	Eurasian and Hybrid Milfoils	6 oz./acre	40 Acres		
Add AMP Adjuvant to any liquid or granular mix.	Eurasian and Hybrid Milfoils	1 gal./ acre	40 Acres		
Add Chelated Copper as an Adjuvant to any liquid or granular mix.	Nuisance Species	1 gal./acre	40 Acres		
				MDEQ Permit Fee	100 + Acres
				Grand Total	

### Exhibit 3 Itemized Invoice Information Standards

Table 1: An example of what data must absolutely be included in invoicing for services rendered.

HERBICIDE APPLICATION

TREATMENT DATE: \_\_\_\_\_ CREW MEMBERS: \_\_\_\_\_

TARGET NUISANCE	TmtZ	ACRES	AGENT COMBO ABBREV.	CONTROL AGENT	QUANTITY	UNIT	TMT METHOD	COST PER ACRE																																																												
Ebrid	31.x	61	Nav+Cu	Navitrol	150	lbs	Surface Spray & Spreader	\$120																																																												
				Citrine Plus	1	gal			Val	32.x	83.24	CF+Cu	Carfentrazone	0.125	gal	Spikes	\$390	Flumioxazin	2	lbs	Ebrid	33.x	0	TP-C	Diquat	1	gal	Sub-Surface Injection	\$295	Aquathol	1	gal	Citrine +	1	gal	Carfentrazone	0.125	lbs	Ebrid Val	34.x	0	TP-CF	Diquat	1	gal	Spikes & Surface Spray	\$410	Aquathol	1	gal	Citrine +	1	gal	Carfentrazone	0.125	lbs	Flumioxazin	2	lbs	Algae	35.x	0	Algae	Citrine +	1	gal	Weighted Hose	\$120
Val	32.x	83.24	CF+Cu	Carfentrazone	0.125	gal	Spikes	\$390																																																												
				Flumioxazin	2	lbs			Ebrid	33.x	0	TP-C	Diquat	1	gal	Sub-Surface Injection	\$295	Aquathol	1	gal					Citrine +	1	gal			Carfentrazone	0.125	lbs	Ebrid Val	34.x	0	TP-CF	Diquat	1					gal	Spikes & Surface Spray	\$410			Aquathol	1	gal	Citrine +	1	gal	Carfentrazone	0.125	lbs	Flumioxazin	2	lbs					Algae	35.x	0		
Ebrid	33.x	0	TP-C	Diquat	1	gal	Sub-Surface Injection	\$295																																																												
				Aquathol	1	gal																																																														
				Citrine +	1	gal																																																														
				Carfentrazone	0.125	lbs			Ebrid Val	34.x	0	TP-CF	Diquat	1	gal	Spikes & Surface Spray	\$410	Aquathol	1	gal	Citrine +	1	gal	Carfentrazone	0.125	lbs	Flumioxazin	2	lbs	Algae	35.x	0					Algae	Citrine +	1	gal	Weighted Hose	\$120	Hydrothol			0.25	gal	Phoslock	100	lbs																		
Ebrid Val	34.x	0	TP-CF	Diquat	1	gal	Spikes & Surface Spray	\$410																																																												
				Aquathol	1	gal																																																														
				Citrine +	1	gal																																																														
				Carfentrazone	0.125	lbs																																																														
				Flumioxazin	2	lbs			Algae	35.x	0	Algae	Citrine +	1	gal	Weighted Hose	\$120	Hydrothol	0.25	gal	Phoslock	100	lbs																																													
Algae	35.x	0	Algae	Citrine +	1	gal	Weighted Hose	\$120																																																												
				Hydrothol	0.25	gal																																																														
				Phoslock	100	lbs																																																														

## Exhibit 3

Table 2: An example of what data must absolutely be included in invoicing for services or tasks rendered.

### TASK INVOICING

<u>TASK DESCRIPTION</u>	<u>COST PER UNIT</u>	<u>TOTAL UNIT</u>	<u>TOTAL CHARGE</u>
Permit Prep			\$100
Permit Cost (Pass Through)			\$1,850
Posting			N/C
7 - Day Notice Charge	1	500	\$500
Pre-Posting			\$600

536 E. Michigan Avenue  
 Suite 300  
 Kalamazoo, MI 49007

# Invoice

DATE	INVOICE #
2/28/2025	25-020

**BILL TO:**

Cedar Lake Improvement Bd.  
 C/o Rex Vaughn  
 PO Box 53  
 Greenbush, MI 48738

P.O. NO.	TERMS
2024-2025	Net 30

DESCRIPTION	QTY	RATE	AMOUNT
Senior Scientist/ Principal - Task 3	0.5	205.00	102.50
Project Manager - Task 4	3.5	80.00	280.00
Field Manager - Task 5f	17.5	80.00	1,400.00
Senior Scientist/ Principal - Task 5f	2	205.00	410.00
Project Manager - Task 5f	0.25	80.00	20.00
Project Scientist IV - Task 5f	5	70.00	350.00
<p>This invoice is for professional services rendered through Feb. 28, 2025, as related to Cedar Lake Improvement Bd. 2024-2025 Services.</p>			

Please remit payment to Kieser & Associates, LLC  
 For questions, please contact Becky Hough.

<b>Total</b>	USD 2,562.50
--------------	--------------

Phone #	Fax #
(269) 344-7117	(269) 344-2493

**Kieser & Associates, LLC**  
**Time by Job Detail**  
January through February 2025

<b>Cedar Lake Improvement Bd. (2024)</b>	<b>Date</b>	<b>Name</b>	<b>Duration</b>	<b>Cost</b>	<b>Notes</b>
<b>Cedar Lake Improvement Bd. (2024): Task 3 - Watershed Mgmt Plan (WMP) Update</b>					
	02/10/2025	Kieser, Mark	0.50	102.50	CLIB Coordination for SC discussions
<b>Total Cedar Lake Improvement Bd. (2024): Task 3:</b>			<b>0.50</b>	<b>102.50</b>	
<b>Cedar Lake Improvement Bd. (2024): Task 4 - Fisheries Habitat Analysis</b>					
	01/29/2025	Crum, Natalie	3.50	280.00	Reviewing collected fisheries data and sidescan data
<b>Total Cedar Lake Improvement Bd. (2024): Task 4:</b>			<b>3.50</b>	<b>280.00</b>	
<b>Cedar Lake Improvement Bd. (2024): Task 5f-Hydrology- Annual Reporting</b>					
	02/18/2025	Kieser, Josh	5.50	440.00	Assembling 2024 report
	02/19/2025	Kieser, Josh	6.50	520.00	Assemble 2024 report
	02/20/2025	Kieser, Josh	5.50	440.00	Assembling 2024 report
	02/10/2025	Kieser, Mark	0.25	51.25	Hydrology discussions
	02/19/2025	Kieser, Mark	0.50	102.50	Hydro Report discussion of data
	02/26/2025	Kieser, Mark	1.25	256.25	Hydrology data discussions/ reporting
	02/18/2025	Crum, Natalie	0.25	20.00	Troubleshooting logger data
	02/19/2025	Alhinaai, Marwan	4.00	280.00	Excel Data Entry
	02/20/2025	Alhinaai, Marwan	1.00	70.00	completed all Excel files for 2024 data
<b>Total Cedar Lake Improvement Bd. (2024): Task 5f:</b>			<b>24.75</b>	<b>2,180.00</b>	
<b>TOTAL: CEDAR LAKE IMPROVEMENT BD. (2024):</b>			<b>28.75</b>	<b>2,562.50</b>	

536 E. Michigan Avenue  
 Suite 300  
 Kalamazoo, MI 49007

# Invoice

DATE	INVOICE #
2/25/2025	25-016

**BILL TO:**

Cedar Lake Improvement Board  
 Attn: Mr. Rex Vaughn  
 P.O. Box 53  
 Greenbush, MI 48738

P.O. NO.	TERMS
2024 LakeScan	Net 30

DESCRIPTION	QTY	RATE	AMOUNT
<b>CEDAR LAKE LAKESCAN 2024 - FINAL INVOICE</b>			
Client Communications & Project Coord - Invoicing 5%		70.30	70.30
Final LakeScan Reporting - Invoicing 90%		1,849.50	1,849.50
Meetings - Invoicing 34%		848.64	848.64
<p>This invoice is for professional services rendered through Feb. 25, 2025, as related to Cedar Lake, 2024 LakeScan Services.</p>			

Please remit payment to Kieser & Associates, LLC  
 For questions, please contact Becky Hough.

<b>Total</b>	USD 2,768.44
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Phone #	Fax #
(269) 344-7117	(269) 344-2493



sam's club™

CLUB MANAGER RHONDA  
8102306700

FLINT, MI

03/01/25 13:27 7930 8291 83

0980196687          HPMEGAREAM          9.24 T

                                SUBTOTAL          9.24

                                TAX    1          6 %          0.55

                                TOTAL          9.79

SAMS CONSUMER CREDIT TEND          9.79

SAMS CONSUMER          \*\*\*\*    \*\*\*\*    \*\*\*\*    9746

                                CHANGE DUE          0.00

# ITEMS SOLD 1

TC# 9746 1320 5611 2701 9



03/01/25 13:27





### Final Details for Order #113-7608119-2578638

[Print this page for your records.](#)

**Order Placed:** March 2, 2025

**Amazon.com order number:** 113-7608119-2578638

**Order Total: \$159.94**

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### Shipped on March 2, 2025

#### Items Ordered

#### Price

1 of: *HP 26A Black Toner Cartridge | Works with HP LaserJet Pro M402 Series, HP LaserJet Pro MFP M426 Series | CF226A* \$150.89

Sold by: Amazon.com Services, Inc

Supplied by: Other

Condition: New

#### Shipping Address:

Rex Vaughn  
6295 PINECROFT CT  
FLINT, MI 48532-2124  
United States

#### Shipping Speed:

Rush Shipping

---

### Payment information

#### Payment Method:

Visa ending in 5239

#### Billing address

Rex Vaughn  
6295 PINECROFT CT  
FLINT, MI 48532-2124  
United States

#### Credit Card transactions

Item(s) Subtotal:	\$150.89
Shipping & Handling:	\$2.99
Free Shipping:	-\$2.99
-----	
Total before tax:	\$150.89
Estimated tax to be collected:	\$9.05
-----	
<b>Grand Total:</b>	<b>\$159.94</b>
Visa ending in 5239: March 2, 2025:	\$159.94

To view the status of your order, return to [Order Summary](#).

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3. Place label so that it does not wrap around the edge of the package.
4. Each shipping label number is unique and can be used only once - DO NOT PHOTOCOPY.
5. Please use this shipping label on the "ship date" selected when you requested the label.
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9405 5301 0935 5111 2660 40

Print Date: 2025-03-05	PRIORITY MAIL®	\$8.75
Ship Date: 2025-03-05	Extra Services:	\$0.00
	Fees:	<u>\$0.00</u>
	Total:	\$8.75

From: REX R VAUGHN  
6295 PINECROFT CT  
FLINT MI 48532-2124

To: CONFIDENTIAL - IOSCO COUNTY DRAIN COMMIS  
FRED D STRAUER  
420 W LAKE ST  
TAWAS CITY MI 48763-8309

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