

**CLIFFORD LAKE
LAKE IMPROVEMENT BOARD
HEARING OF PRACTICABILITY & REVIEW OF APPORTIONMENTS
August 10, 2022**

A special meeting of the Clifford Lake, Lake Improvement Board was held in the Douglass Township Hall, 3521 W. McBrides Rd., Stanton, Michigan on the 10th day of August 2022 at 7:00 p.m.

The hearing of practicability was called to order by Chairman Koepke at 7:01 p.m.

PRESENT: Tom Koepke, Chairman
 Todd Sattler, Secretary, Montcalm County Drain Commissioner
 Matt Moorman, Abutting Property Owner's Representative

ABSENT: Adam Petersen, Board of Commissioner's Representative
 Michon Wiesen, Douglass Township Representative

ALSO PRESENT: See attached.

Chairman Koepke introduces the lake board members and Rick Buteyn of Progressive Engineering.

A motion was made by Todd and seconded by Matt to accept the minutes of the June 23, 2022; meeting as presented. Motion carried.

Todd explained the procedures of the Hearing of Practicability and the Review of Apportionments and the necessity of both hearings.

Presentation

Rick provided a presentation to the board and the residents detailing the treatments performed in 2022. He advised of the special EGLE permit restrictions. He explained the chemicals used and spoke of the Sonar treatment. Rick provided the details and breakdown of the current budget in comparison to the two proposed budgets for the next program. Rick stated that the budget in Proposal A is to keep up with the rising chemical prices and keep doing the level of treatments that have been done. The budget presented under Proposal B is to allow for additional treatments to improve lake quality further. He advised that chemical prices have increased by 15%, permit fees increased by \$75.00 per year, and this will allow the LIB to build up a surplus for contingency. Rick provided a line by line breakdown of the two proposed budgets. He stated that the larger budget will allow for more effective treatments and chemicals to be used and allows for native plants (lily pads) to be treated, as well. Rick advised the residents of the types of weeds that are covered by the EGLE permits for treatment and targeting. He stated that some plants will require harvesting if they are not kept under control

as they grow. Rick went over the different types of algae that may be found in the lake and advised residents to contact him and Tom if they see blue-green algae on the lake so it can be tested. Rick advised of the expectations of what is provided by the lake management consultant.

The chairman opened the meeting up to the public for questions and comments.

Matt Moorman asked about harvesting and whether that is included in the budget.

Rick responded that it is not included but could be covered once a contingency budget is built up.

Carol Hackett thanked Rick for the presentation and information. She stated that her concern is with continuing to dump chemicals into the lake for treatment and also asked if there is possibly state funding for the lake since there is a public access. She also asked about the influence of failing septic systems on the lake.

Rick said that the state does not earmark money for lake improvement and no grants are currently available that would apply to Clifford Lake. He also stated that failing septic systems are a township issue and would require a resolution at the township level to require testing of septic systems. He said that failing septic systems would leech more nutrients into the lake and the LIB is able to test for water quality.

Carol asked Rick to go over lily pad treatments again.

Rick explained the procedures.

Tom asked Rick to go over the different methods for treating lily pads.

Rick told the board that there are two methods for treatment, the first is chemical. The second method is manual harvesting where the lily pads are physically cut down and removed.

Carol asked about the effects of fireworks and wake boats on the water quality.

Rick stated that he doesn't know much about the effects of fireworks, other than that they are polluting the water. He stated that the legal distance for wake boats is 100 ft from shore, but 200-300 ft is preferable to help the wake from scouring seawalls and disturbing small ecosystems near the lake shore.

Larry Deuel asked if the program could be reduced to three years instead of five years since costs are so up in the air.

Rick said that it is possible and that the board can hold public hearings earlier than five years, if necessary.

Joe Tarkowski asked about what the recommended surplus is.

Todd stated that he prefers that the lake boards keep 1-1 ½ years budget to allow for contingency as there is no borrowing mechanism for the lake boards if they run out of money.

Tom asked Rick to explain how the budgets are locked in.

Rick advised that the consulting fees are fixed for the next five years and will not change, but chemical prices can continue to increase. Todd explained that we bid out the treatment contracts to get the best pricing.

Joe Tarkowski said that he believes the board should levy as much money as possible to improve the lake since all of the residents have a sizeable investment into their houses and property.

There being no further questions or comments from the public, the Hearing of Practicability was closed by a motion from Todd and seconded by Matt . Motion Carried.

The Resolution to Proceed with Improvements was offered for approval to the Lake Board.

The hearing for the review of apportionments was called to order by Chairman Koepke at 7:50 p.m.

Presentation of Special Assessment Roll

Todd presented the tax roll and explained the benefit factor used to determine the amount to assess each parcel.

Chairman Koepke opened the hearing up for questions and comments from the public.

John Otto asked how many properties fall in each category of the benefit factors.

Todd stated that we don't have breakdown of how many parcels fall into each category but can get the information once we're back in the office. He also added that any changes in property will affect the parcel amounts, but the total amount will not change.

Carol asked why the LIB taxes are assessed on the Winter Tax Roll.

Rick said it was put on the winter roll to make sure the money is in hand before the treatments started.

There being no further questions or comments from the public on the Review of Apportionments, the hearing was closed by Tom and seconded by Todd. Motion carried.

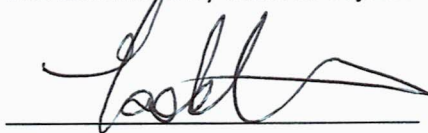
The Resolution Confirming the Special Assessment Roll was offered for approval by the Lake Board.

A motion was made by Matt and seconded by Todd to accept the special assessment roll as presented.

The board discussed the received bids for treatments. Rick provided the bid totals for the three bids that were received and stated that overall PLM provided the lowest quote.

A motion was made by Todd and seconded by Matt to award the contract to PLM.

There being no further business to come before the Lake Board, a motion was made by Todd and seconded by Matt to adjourn the meeting at 8:01 p.m.

A handwritten signature in black ink, appearing to read 'Todd', is written over a horizontal line.

Todd Sattler, Secretary/Treasurer
Clifford Lake, Lake Improvement Board

Dated: August 10, 2022

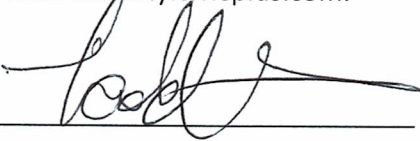
State of Michigan }

} ss.

County of Montcalm }

I hereby certify that the foregoing is a true and complete copy of the minutes of a meeting of the Clifford Lake, Lake Improvement Board, Montcalm County, Michigan held on August 10, 2022, and that said minutes are on file in the office on the Montcalm County Drain Commissioner and are available to the public.

I further certify that notice of the meeting was posted at least 18 hours before the meeting at the Office of the Montcalm County Drain Commissioner, which is the principal office of the Clifford Lake, Lake Improvement Board and on the county website at mi-montcalmcounty.civicplus.com.

A handwritten signature in black ink, appearing to read "Todd Sattler", is written over a horizontal line.

Todd Sattler
Montcalm County Drain Commissioner

CLIFFORD LAKE
PUBLIC HEARING

AGENDA

- Chairman calls meeting to order
- Approval of June 23, 2022 minutes
- Chairman introduces the Lake Board Members and Rick Buteyn
- Todd explains the procedures of the Lake Board

PUBLIC HEARING OF PRACTICABILITY

- Presentation of Proposed Program 2023 thru 2027
- Chairman opens the hearing up for questions and comments
- Hearing of Practicability closed
- Resolution to Proceed with Improvements

REVIEW OF APPORTIONMENTS HEARING

- Presentation of Special Assessment Roll
- Chairman opens the hearing up for questions and comments
- Corrections to Special Assessment Roll
- Review of Apportionments Hearing closed
- Resolution Confirming Special Assessment Roll
- Adjourn meeting

**RESOLUTION TO PROCEED WITH
IMPROVEMENTS TO CLIFFORD LAKE**

At a special meeting of the Clifford Lake, Lake Improvement Board held in the Douglass Township Hall, 3521 W. McBrides Road, (Entrican) Stanton, Michigan, on the 10th day of August 2022, at 6:00 p.m.

PRESENT: Tom Koepke, Todd Sattler, Matt Moorman

ABSENT: Adam Petersen, Michon Wiesen

The following resolution was offered by member Koepke and seconded by member Sattler.

WHEREAS, a public hearing was held on the improvement program for Clifford Lake; and

WHEREAS, it is the desire of the Clifford Lake, Lake Improvement Board to proceed with implementation of improvements to the lake as described in the attached Exhibit A.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Lake Board hereby determines that the proposed improvements are practical, and it confirms its intent to proceed with the improvements.
2. The Lake Board hereby approves the lake improvement plan and the estimate of costs for the improvements as shown on the attached Exhibit A.
3. This resolution shall be published in a newspaper of general circulation in Montcalm County. The petition shall not, thereafter, be subject to attack except in an action brought in a court of competent jurisdiction within 30 days after publication.

ADOPTED: AYES: 3


 NAYS: 0

RESOLUTION DECLARED ADOPTED.

STATE OF MICHIGAN }
 } ss
COUNTY OF MONTCALM }

I, Todd R Sattler, Secretary/Treasurer of said Clifford Lake, Lake Improvement Board, do hereby certify that this is a true and correct copy of a resolution adopted by the Lake Board at a meeting held on the 10th day of August 2022. Public notice of said meeting was given pursuant to and in compliance with Act 267, Public Acts of Michigan, 1976, as amended.

IN WITNESS WHEREOF, I have hereunto set my hand, this 10th day of August 2022.



Todd R Sattler, Secretary/Treasurer
Clifford Lake, Lake Improvement Board

CLIFFORD LAKE, LAKE IMPROVEMENT PROGRAM
PROPOSED BUDGET B EXHIBIT A
2022 - 2026

IMPROVEMENT	COST
Nuisance Aquatic Plant Control	\$26,000
Aquatic Plant Control Coordination/Field Evaluations	\$8,000
Administration and Contingency	<u>\$3,000</u>
Total Annual Cost	\$37,000

The amount of herbicide use in any given year will depend on the type and distribution of plants in Clifford Lake and Department of Environmental Quality permit conditions. Plant control activities are proposed to be coordinated under the direction of the lake board's environmental consultant. The consultant would be responsible for preparing bid documents or contract extensions for the plant control program, assisting the lake board with the selection of the plant control contractors, and performing follow-up inspections to ensure work is performed in a satisfactory manner. The consultant would report to the lake board regarding the performance of the plant control contractors and would make recommendations to the lake board regarding payments to the contractors.

Project administration will include all costs related to meetings, postage, copies, mailings, notices, Drain Commission administration, and legal proceedings. In accordance with Part 309 of the Natural Resources and Environmental Protection Act, Act 451 of 1994, a lake board may add not less than 10% or more than 15% of the total project cost for contingent expenses.

ASSESSMENT BENEFIT FACTORS

The special Assessment District for Clifford Lake includes all properties which border the lake and back lots which have deeded or dedicated lake access. Special assessments for the project are to be apportioned in the following manner:

USE AND SIZE FACTORS

Developed Lakefront Parcels	1 Unit	\$216.69
Developed Backlot Parcels	½ Unit	\$108.35
Undeveloped Lakefront Parcels	½ Unit	\$108.35
Undeveloped Backlot Parcels	¼ Unit	\$54.17

*Contiguous lots in common ownership and/or accessory lots in common ownership shall be assessed as a single parcel provided only one dwelling unit exists on the parcel.

*Contiguous lots shall mean lots in common ownership touching along a boundary or point.

*Accessory lots shall mean lots in common ownership that have a garage, storage facility, drain field, or other improvement that benefits the primary parcel.

*No benefit factors will be assigned to Lot 1 of Bailey's Shores. Property owners having an interest in Lot 1 of Bailey's Shores will be assessed according to the location of the primary parcel. Lots 2 through 10 will be apportioned as lake front lots; all other parcels will be apportioned as backlot properties.

**NOTICE OF CONFIRMATION
OF SPECIAL ASSESSMENT ROLL
FOR IMPROVEMENTS TO CLIFFORD LAKE**

TAKE NOTICE that the Clifford Lake, Lake Improvement Board has confirmed the Special Assessment Roll for improvements to Clifford Lake. The Special Assessment Roll in the amount of \$185,000.00 has been prepared for the purpose of assessing the cost of a lake improvement program consisting of herbicide treatments and mechanical harvesting for aquatic plant control and herbicide treatments for purple loosestrife over a 5-year period (2022 through 2026). Said Special Assessment Roll and all assessments thereon are final and conclusive unless attacked in a court of competent jurisdiction within 30 days of this notice.

Clifford Lake, Lake Improvement Board
Montcalm County, Michigan

CLIFFORD LAKE

HEARING OF PRACTICABILITY & REVIEW OF APPORTIONMENTS

August 10, 2022

Douglass Township Hall
3521 W. McBrides Road
Stanton, Michigan

ATTENDANCE RECORD

	<u>NAME</u>	<u>Address</u>
1.	Tom Koepke	1151 Clifford Lakes, Stanton.
2.	Todd Sattler	MCDC
3.	Rick Butryn	1811 4 mile Rd NE, GR
4.	John Otto	1161 CLIFFORD LAKE
5.	Matt Moerman	761 N.H. 11 mile Bl.,
6.	Anne Gaylord	MCDC
7.	Carl Labell	331 Clifford Lk.
8.	John Hinson	1191 Clifford Lake Dr
9.	Lynne Feldpausch	231 Royal Dr NW
10.	Karen Garry Gendel	961 Clifford Circle
11.	Gabe Krum	131 Royal dr
12.	Joe Tarkowski	1051 Clifford Lake Drive
13.	Greg & Lisa Coughlin	217 Woodlawn
14.		
15.		
16.		
17.		
18.		
19.		
20.		

Clifford Lake Finance Sheet 2018 - 2022 (84002)

Wednesday, August 10, 2022

Date	Vendor	Description	Check Number	Expenses	Revenue	Balance
10/1/2016		Beginning Balance				\$ 20,360.58
10/20/2016	Progressive Architects Engineers Pl	Clifford Lk Svcs - 9/30/16	125764	\$ 3,750.00		\$ 16,610.58
1/12/2017	Montcalm County Treasurer	Annual Lake Admin Fees	127527	\$ 1,000.00		\$ 15,610.58
1/26/2017	Progressive Architects Engineers Pl	Qtrly Svcs - December; Clifford Lk	127877	\$ 1,750.00		\$ 13,860.58
3/9/2017	Plm Lake & Land Management	Clifford Lk 2017 Permit App Fee	128541	\$ 575.00		\$ 13,285.58
4/27/2017	Progressive Architects Engineers Pl	Clifford Lk Qtrly Svcs - 3/31/17	129750	\$ 1,750.00		\$ 11,535.58
5/31/2017	Montcalm County Treasurer	2016 Settlement			\$ 19,500.00	\$ 31,035.58
7/20/2017	Plm Lake & Land Management	Clifford Lake Weed Treatment	131488	\$ 8,262.00		\$ 22,773.58
7/20/2017	Progressive Architects Engineers Pl	Clifford Lake 2 Qtr Svcs	131489	\$ 1,750.00		\$ 21,023.58
7/27/2017	Plm Lake & Land Management	Clifford Lk; Algae, Lily Pad & Weed Treatment	131710	\$ 4,020.30		\$ 17,003.28
9/14/2017	Montcalm County Treasurer	Annual Lake Admin Funds 17	132757	\$ 1,000.00		\$ 16,003.28
9/28/2017	Stafford Communications Group	Acct:P0185751; Aug	133098	\$ 435.29		\$ 15,567.99
10/19/2017	PLM Lake & Land Management	9/21/2017 Lily Pad Treatment	133452	\$ 2,430.00		\$ 13,137.99
11/9/2017	The Michigan Riparian	Lake Association Subscription		\$ 56.00		\$ 13,081.99
11/9/2017	Progressive Architects Engineers Pl	Clifford Lk 3rd Qtr Svcs	133930	\$ 1,750.00		\$ 11,331.99
11/17/2017	Stafford Media	ACCT:P0185751; SEPT 18	133934	\$ 354.18		\$ 10,977.81
11/16/2017	United States Postal Service	Postage Stamps 11/14	133999	\$ 90.65		\$ 10,887.16
2/1/2018	Progressive AE	4th Quarter Lake Consultant	135610	\$ 2,250.00		\$ 8,637.16
3/8/2018	PLM Lake & Land Management	DEQ Permit Fee	136315	\$ 800.00		\$ 7,837.16
4/26/2018	Progressive AE	2nd Quarter Lake Consultant	135610	\$ 2,250.00		\$ 5,587.16
5/31/2018	Montcalm County Treasurer	2017 Settlement			\$ 22,500.00	\$ 28,087.16
7/12/2018	PLM Lake & Land Management	Invoice 189941 Algae & Weed Treatments 5/31	139118	\$ 6,435.00		\$ 21,652.16
7/19/2018	Progressive AE	Invoice #168437 2nd Quarter Lake Consultant	139250	\$ 2,250.00		\$ 19,402.16
8/16/2018	PLM Lake & Land Management	Invoice #191070 Weed & Algae Treatment 7/10	139835	\$ 1,900.25		\$ 17,501.91
8/23/2018	County of Montcalm	Invoice #18-027 Annual Administration	139856	\$ 1,000.00		\$ 16,501.91
9/11/2018	PLM Lake & Land Management	Invoice # 191592 Lily Pad Treatment 7/24	140452	\$ 1,567.50		\$ 14,934.41
9/11/2018	PLM Lake & Land Management	Invoice # 191970 Lily Pad Treatment 8/6	140452	\$ 495.00		\$ 14,439.41
09/13/18	PLM Lake & Land Management	Clipper Treatment 8/15	140452	\$ 467.50		\$ 13,971.91
10/18/2018	Progressive AE	3rd Quarter Lake Consultant	14463	\$ 2,250.00		\$ 11,721.91
11/29/18	The Michigan Riparian	Renewal Subscription	142088	\$ 56.00		\$ 11,665.91
02/28/19	Progressive AE	4th Quarter Lake Consultant	144142	\$ 2,250.00		\$ 9,415.91
03/21/19	MDEQ	2019 DEQ PERMIT APPLICATION FEE/HNM-Q8V7-BB3JO CLIFFORD LAKE	144447	\$ 800.00		\$ 8,615.91
04/18/19	Progressive AE	2nd Quarter Lake Consultant	145070	\$ 2,250.00		\$ 6,365.91
6/3/2019	TREASURERS OFFICE	2018 Settlement			\$ 22,500.00	\$ 28,865.91
6/20/2019	PLM Lake & Land Management	Weed Treatment	146448	\$ 9,974.58		\$ 18,891.33
7/11/2019	Progressive AE	3rd Quarter Lake Consultant	146843	\$ 2,250.00		\$ 16,641.33
9/10/2019	PLM Lake & Land Management	TREATMENT WITH DIQUAT, CLIPPER W/AQUATHOL K	148283	\$ 2,780.20		\$ 13,861.13
9/19/2019	Larry Deuel	Invoice #19-030 Reimbursement for water samples	148389	\$ 190.00		\$ 13,671.13
10/10/2019	Progressive AE	4th Quarter Lake Consultant	148811	\$ 2,250.00		\$ 11,421.13
1/30/2020	PLM Lake & Land Management	REIMBURSEMENT FOR PERMIT APPLICATION FEE	151211	\$ 800.00		\$ 10,621.13
1/30/2020	Progressive AE	1st Quarter Lake Consultant	151213	\$ 2,250.00		\$ 8,371.13
5/31/2020	Montcalm County Treasurer	2019 Settlement			\$ 22,500.00	\$ 30,871.13
6/18/2020	MLSA	MEMBERSHIP MLSA AND SUBSCRIPTION TO RIPARIAN	153609	\$ 156.00		\$ 30,715.13
7/2/2020	PLM Lake & Land Management	Weed Treatment 6/4/20	153848	\$ 10,602.90		\$ 20,112.23
7/16/2020	Progressive AE	3rd Quarter Lake Consultant	154062	\$ 1,750.00		\$ 18,362.23
9/17/2020	PLM Lake & Land Management	Weed Treatment 8/13/20	155148	\$ 504.90		\$ 17,857.33
10/15/2020	Progressive AE	4th Quarter Lake Consultant	155659	\$ 2,000.00		\$ 15,857.33
10/29/2020	SPICER GROUP	Account Support	156014	\$ 50.00		\$ 15,807.33
1/21/2021	Progressive AE	1st Quarter Lake Consultant	157254	\$ 2,000.00		\$ 13,807.33
3/11/2021	STATE OF MICHIGAN	2021 Permit Fee	158245	\$ 800.00		\$ 13,007.33
4/8/2021	Progressive AE	2nd Quarter Lake Consultant	158616	\$ 2,000.00		\$ 11,007.33
9/30/2020	Clifford Lake	Interest			\$ 45.12	\$ 11,052.45
9/30/2020	Montcalm County	Allocations		\$ 348.36		\$ 10,704.09
4/30/2021	Montcalm County	2020 Delinquent Settlement			\$ 1,794.68	\$ 12,498.77
5/1/2021	Montcalm County	2020 Collected Settlement			\$ 20,705.32	\$ 33,204.09
6/24/2021	PLM Lake & Land Management	6/2/2021 Algae & Weed Treatment	160014	\$ 9,939.00		\$ 23,265.09
7/6/2021	Progressive Architects Engineers PL (385)	3rd Quarter Lake Consulting Fees	160330	\$ 2,000.00		\$ 21,265.09
7/13/2021	PLM Lake & Land Management	7/1/2021 Algae Treatment	160542	\$ 375.00		\$ 20,890.09
8/12/2021	PLM Lake & Land Management	07/20/2021 Chara/Starry Stonewart Treatment	161055	\$ 50.00		\$ 20,840.09
10/7/2021	Progressive Architects Engineers PL (385)	4th Quarter Lake Consultant	162065	\$ 2,000.00		\$ 18,840.09
10/14/2021	MLSA	MLSA & Riparian Renewal	162314	\$ 142.00		\$ 18,698.09
1/20/2022	Progressive Architects Engineers PL (385)	1st Quarter Lake Consulting Fees	163988	\$ 2,000.00		\$ 16,698.09
1/20/2022	PLM Lake & Land Management (16632)	2022 Permit Fee	163986	\$ 1,600.00		\$ 15,098.09
4/7/2022	Progressive Architects Engineers PL (385)	2nd Quarter Lake Consultant	165494	\$ 2,000.00		\$ 13,098.09
5/23/2022	Montcalm County	2021 Collected Settlement			\$ 21,439.63	\$ 34,537.72
5/23/2022	Montcalm County	2021 Delinquent Settlement			\$ 1,060.37	\$ 35,598.09
5/26/2022	PLM Lake & Land Management (16632)	05/04/2022 Sonar Treatment	166671	\$ 15,922.44		\$ 19,675.65
6/16/2022	PLM Lake & Land Management (16632)	05/25/2022 Sonar Treatment	167076	\$ 7,576.20		\$ 12,099.45
7/7/2022	SPICER GROUP	ARC GIS Support	167408	\$ 32.80		\$ 12,066.65
7/7/2022	SPICER GROUP	ARC GIS Support	167408	\$ 41.75		\$ 12,024.90
7/14/2022	Progressive Architects Engineers PL (385)	3rd Quarter Lake Consultant Fee	167583	\$ 2,000.00		\$ 10,024.90
8/4/2022	United States Postal Service	POC# 3531988 07/01/22 -07/31/22	167948	\$ 105.45		\$ 9,919.45
8/11/2022	PLM Lake & Land Management (16632)	07/11/2022 Algae & Weed Treatment		\$ 1,426.00		\$ 8,493.45
8/11/2022	View Newspaper Group (27737)	Public Hearing Notice		\$ 232.40		\$ 8,261.05
8/11/2022	View Newspaper Group (27737)	Affidavit of Posting		\$ 87.60		\$ 8,173.45
		Remaining Balance				\$ 8,173.45

Clifford Lake, Montcalm County
 Aquatic Herbicide Treatment Bid Tabulation
 Bid Date: August 8, 2022

Work Item	Dose or Target	Quantity	Units	Savin Lake Services		PLM Lake & Land Management		Clarke Aquatic Services	
				Bid Price	Total	Bid Price	Total	Bid Price	Total
2,4-D amine	180 lbs/acre	1	Acre	\$650	\$650	\$555	\$555	\$715	\$715
2,4-D ester	170 lbs/acre	1	Acre	\$850	\$850	\$735	\$735	\$900	\$900
Triclopyr granular	180 lbs/acre	5	Acres	\$785	\$3,925	\$885	\$4,425	\$1,080	\$5,400
Triclopyr liquid	3 gal./acre	5	Acres	\$355	\$1,775	\$330	\$1,650	\$440	\$2,200
ProcellaCOR EC (1 PDU = 3.2 oz.)	Eurasian milfoil	20	PDU	\$95	\$1,900	\$95	\$1,900	\$95	\$1,900
ProcellaCOR EC (6 PDU/acre) with diquat-dibromide (1 gal./acre)	Eurasian milfoil, curly-leaf pondweed	15	Acres	\$545	\$8,175	\$625	\$9,375	\$700	\$10,500
Diquat dibromide	1 gal./acre	10	Acres	\$160	\$1,600	\$160	\$1,600	\$170	\$1,700
Diquat dibromide	2 gal./acre	1	Acre	\$210	\$210	\$220	\$220	\$240	\$240
Dipotassium salt of endosulf	1 gal./acre	1	Acre	\$185	\$185	\$180	\$180	\$190	\$190
Flumioxazin	200 ppb	1	Acre	\$290	\$290	\$300	\$300	\$235	\$235
Flumioxazin (100 ppb) with contact herbicides	Nuisance native plants	5	Acres	\$290	\$1,450	\$310	\$1,550	\$235	\$1,175
Flumioxazin (150 ppb) with copper ethanolamine complex (EGLE max rate)	Starry stonewort	5	Acres	\$375	\$1,875	\$300	\$1,500	\$305	\$1,525
Algae control: copper sulfate	Filamentous or planktonic algae	20	Acres	\$55	\$1,100	\$60	\$1,200	\$115	\$2,300
Algae control: chelated copper products	Filamentous or planktonic algae	20	Acres	\$80	\$1,600	\$90	\$1,800	\$150	\$3,000
Macro-algae control: copper sulfate	Chara, starry stonewort	5	Acres	\$80	\$400	\$65	\$325	\$125	\$625
Macro-algae control: chelated copper products	Chara, starry stonewort	5	Acres	\$140	\$700	\$125	\$625	\$200	\$1,000
Copper sulfate pentahydrate + polisher	50 lbs/acre	5	Acres	\$300	\$1,500	\$295	\$1,475	\$320	\$1,600
Chelated copper complex liquid	9 gal./acre	1	Acre	\$495	\$495	\$380	\$380	\$140	\$1,400
Water lily control (1,600 sq. ft. section)	Nuisance water lily growth	10	Section	\$65	\$650	\$50	\$500	\$325	\$325
Phragmites control	Phragmites	1	Acre	\$225	\$225	\$65	\$65	\$140	\$140
Loosestrife control	Purple loosestrife	3	Acres	\$225	\$675	\$50	\$150	\$140	\$420
Sum Total					\$30,230		\$30,510		\$37,490
Alternate: Sonar A.S.		9	Gallons	\$3,000	\$27,000	\$2,300	\$20,700	\$2,635	\$23,715