



MEMORANDUM

Comfort Lake-Forest Lake Watershed District

Date: March 19, 2024
To: CLFLWD Board of Managers
From: Mike Kinney, District Administrator
Subject: Curly-Leaf Pondweed Treatment Contract



District Wide

Background/Discussion

The District's budget includes funds to perform curly-leaf pondweed management on five lakes in 2024 – Moody, Bone, Shields, Forest, and Comfort. Staff sought out proposals from several aquatic invasive species (AIS) treatment firms for curly-leaf pondweed (CLP) this year. We received quotes from just Lake Management Inc. and Limnopro. Of the two quotes, Lake Management Inc. quoted the lower price per acre for Diquat treatment.

Lake Management has performed the District's curly-leaf pondweed treatments for the past several years. The District has never worked with Limnopro and only started requesting treatment quotes from them a few years ago. Each company has a reputation for performing effective control and would be capable of handling the proposed curly-leaf pondweed treatments this year.

Blue Water Science will be performing the curly-leaf delineations over the next few weeks and will send the maps to the District as soon as possible thereafter. Once delineations are complete, they will be submitted to the Department of Natural Resources as part of the permit requirements. As a reminder, Moody Lake is a Natural Environment Lake, therefore Blue Water Science will perform pre and post treatment point intercept surveys to remain compliant with the DNR's variance permit.

Staff recommends that the Board authorize the Administrator to execute a service agreement with Lake Management Inc. for the treatment of curly-leaf pondweed on Forest Lake, which is likely to exceed \$20,000. Curly-leaf pondweed treatments for Moody, Bone, Shields, and Comfort Lakes will not exceed \$20,000 and are within the administrator's contracting authority.

Recommended Motion

Proposed Motion: Manager _____ moves to authorize the Administrator, on advice of counsel, to enter into a contract with Lake Management Inc. for treatment of curly-leaf pondweed on Forest Lake in an amount not to exceed \$30,000. Seconded by Manager _____.

2024 Herbicide Applicators Quote Comparison Table Curly-leaf Pondweed (Diquat)

Lake	Species	Avg. Treatment Depth (ft.)	(Est.) Acreage *	Lake Mgmt Inc. Cost/Acre	Lake Mgmt Inc. Total Cost	Limnopro Cost/Acre	Limnopro Total Cost
Moody	CLP	5	3.11	\$237	\$737.07	\$265	\$824.15
Bone	CLP	4	5	\$237	\$1,185	\$265	\$1,325
Forest	CLP	9	120	\$197	\$23,640	\$385	\$46,200
Shields	CLP	5	3.6	\$237	\$853.20	\$265	\$954
Comfort	CLP	4	1	\$237	\$237	\$265	\$265
Totals					\$26,652.27		\$49,568.15

* Blue Water Science has not yet conducted delienations on any of the District's Lakes, as such all acerages are estimates

LAKE MANAGEMENT, INC.

Minnesota Operations

10400 185th Street North

Marine on St. Croix, MN 55047

(651) 433-3283 Phone Fax # (651) 433-5316

Email: info@lakemanagementinc.com

PROPOSAL FOR AQUATIC NUISANCE MANAGEMENT PROGRAM 2024

Submitted to:

Comfort Lake – Forest Lake Watershed District
Garrett Miller
44 Lake Street South, Suite A
Forest Lake, MN 55025

Date: March 2024

Phone: (651) 395-5854

Email: garrett.miller@clflwd.org

Lake Management, Inc. proposes to furnish at its expense, all of the necessary materials, subject to state and federal regulations, equipment and labor as well as to direct and administer treatment as needed for the control of the excessive growth of curly-leaf pondweed and in the water area described as follows:

2023 Curly-Leaf Control Program

Aquathol K applied @ 1.25 ppm using a 4-foot average depth

1-5 acres.....\$448.00/acre 5-10 acres.....\$374.00/acre 11+ acres.....\$366.00/acre

For depths greater than 4 feet, please add \$63.00 per additional foot of depth per acre.

Aquathol K applied @ 1.25 ppm using a 9-foot average depth

1-5 acres.....\$762.00/acre 5-10 acres.....\$688.00/acre 11+ acres.....\$679.00/acre

For depths greater than 9 feet, please add \$63.00 per additional foot of depth per acre.

Diquat dibromide (37.3% AI) applied at the label maximum of 2 gal/surface acre

1-5 acres.....\$237.00/acre 5-10 acres.....\$210.00/acre 11+ acres.....\$197.00/acre

*For application rates below product label recommendations, LMI offers only a limited labor guarantee.

In consideration of the goods and materials furnished, use of equipment and services rendered, payment is to be:

To Be Determined

Dollars (\$ TBD)

Terms: Net 30 days — Finance charge 1 ½% month

Questions about our program or special requests should be directed to: Mike O'Connell at (651) 433-3283.

Lake Management, Inc. will post such signs as may be required to restrict the use of treated water. It is the responsibility of the customer to remove the signs at the end of the restriction periods.

Lake Management, Inc. carries insurance for both liability and property damage and workers' compensation and will, upon request, confirm that coverage by certificates issued to the customer.

This proposal may be withdrawn by Lake Management, Inc. if not accepted within 30 days.

ACCEPTANCE OF PROPOSAL

The above payment and conditions are satisfactory and are accepted. Lake Management, Inc. is authorized to conduct the management program described above. Payment will be made as indicated above. If you have any questions regarding the effectiveness of the treatment, please call us between the 14th and 18th day following treatment.

Signature _____ Date _____

Representing _____

PRICE QUOTE – Comfort Lake-Forest Lake Watershed District

Date: March 18, 2024
 Project: Curlyleaf pondweed chemical treatment
 Primary Contact: Garrett Miller
 Email: garrett.miller@clflwd.org

Cost summary associated with curlyleaf pondweed chemical control in five lakes within the CLFLWD.

Lake	Area (ac)	Depth (ft)	Volume (ac ft)	Aquathol K (1.25 ppm)		Diquat (max lab rate)	
				Cost / acre	Cost	Cost / acre	Cost
Forest	120	9	1080	\$698.00	\$83,760.00	\$385.00	\$46,200.00
Bone	5	4	20	\$390.50	\$1,952.50	\$265.00	\$1,325.00
Comfort	1	4	4	\$390.50	\$390.50	\$265.00	\$265.00
Shields	3.6	4	14	\$390.50	\$1,405.80	\$265.00	\$954.00
Moody	<u>3.11</u>	<u>4</u>	<u>12</u>	<u>\$390.50</u>	<u>\$1,214.46</u>	<u>\$265.00</u>	<u>\$824.15</u>
Grand Total				\$88,723.26		\$49,568.15	

Comments:

- Prices in the quote are an estimate good for 2024 open water season and apply only to entire contract.
- Chemical application cost cannot be completed without MN DNR permitting of quoted areas.
- None of the lakes listed here are on the diquat restriction list for MN DNR but will require verification from MN DNR Fisheries Division.
- All herbicide applications are done on a prepay basis and payment in full must be made at a minimum of five business days prior to treatment.
- Costs provided herein are confidential and not for distribution outside of CLFLWD.

Thank you for the opportunity to provide this quote for services. Please do not hesitate to contact me if you have any questions or would like more information about any of our services. We look forward to working with you!



3/18/2024

Daniel C. McEwen, Principal Scientist

Date