



STAFF REPORT

DATE: August 2, 2023

CONSENT

AGENDA ITEM: Lake Elmo Lake Grant Request

SUBMITTED BY: Kristina Handt, City Administrator

BACKGROUND:

Included in the 2023 budget were funds for matching grants to the recreational lakes for water quality improvements like treating invasive species. This funding represents a 50% match, up to the maximum amount of \$5,000 per lake. A match is required by the Lake Associations and any outside grant amounts received would not be included as part of the Lake Association match amounts.

ISSUE BEFORE COUNCIL:

Does Council approve the grant request of \$5,000 from the Lake Elmo Lake Association?

PROPOSAL:

The Lake Elmo Lake Association has submitted an application for matching grant funding to treat Eurasian Milfoil this summer. A copy of their application is included in your packet.

FISCAL IMPACT:

\$5,000 from the \$15,000 in the 2023 budget

OPTIONS:

- 1) Approve \$5,000 for Lake Elmo Lake Association Eurasian Milfoil Treatment
- 2) Approve a different amount for Lake Elmo Lake Association Eurasian Milfoil Treatment
- 3) Do not approve any funding for Lake Elmo Lake Association Eurasian Milfoil Treatment

RECOMMENDATION:

If removed from the consent agenda:

“Motion to approve the Lake Elmo Lake Association lake improvement grant request of \$5,000

ATTACHMENTS:

- Lake Elmo Lake Association Grant Request Form



City of Lake Elmo

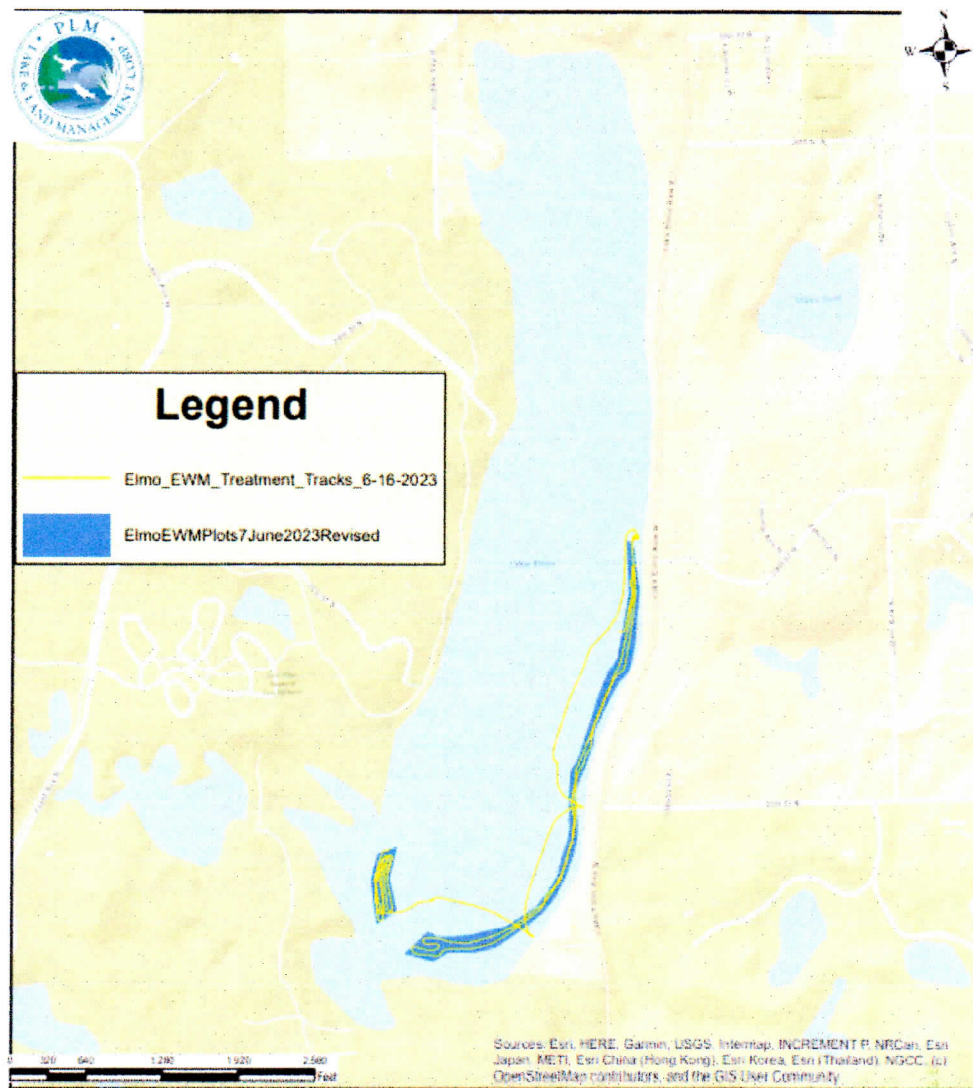
Lake Improvement/Water Quality Grant Application

Name and Lake Association: Lake Elmo Lake Association Contact: Elizabeth (Liz) Niehaus, Secretary/Project Lead	Date: 7/25/2023
Phone: 651-283-8794	Email: lakeelmolakeassociation@hotmail.com emnle3@hotmail.com

Description of treatment/improvements:

Lake Elmo Lake Association (LELA) has been actively monitoring and mitigating Lake Elmo for Aquatic Invasive Species (AIS) since 2015 with our first grant from Minnesota DNR. Prior to 2022 harvesting has been the method used to help control Eurasian Watermilfoil (EWM). In 2022 the Lake Association treated the lake with a Commercial Aquatic Pest Control which was very effective in place of harvesting.

On June 16, 2023, 12 acres on Lake Elmo lake were treated with a Commercial Aquatic Pest Control, ProcellaCOR EC 2x100, quantity of 489.04 and a rate use of 5.8219 ounces per acre feet. The average depth of treatment areas was 7 feet. The water temperature at time of treatment was 71.9 degrees. Below is a map of the treatment areas.



A spring delineation plant survey was completed on June 7, 2023 by Freshwater Scientific Services which is a requirement of the MN DNR and Washington County Grant.

We are requesting reimbursement of LELA work to manage aquatic invasive species. The below outlines the expenses for 2023 and our request for available city matching funds:

Outline of total project costs (can be included on separate sheet or provide via invoice copies):

PLM Lake and Land Management Corp	\$26,374.00
Liability Insurance	\$938.00
Plant Survey	\$1,150.00
Total	\$28,462.00

Cost Share:

Washington County Grant	\$5,800.00
MN DNR	\$1,500.00
LE Jaycees	\$3,000.00
LELA	\$18,162.00

Amount being requested (Note: The City will match 50% of the costs paid for by the lake association up to \$5,000):
\$5,000.00

Additional comments:

See attached delineation plant survey

****Please also include any documentation for grants that have been requested and/or received from other entities****

Elizabeth Niehaus


Applicant/Lake Association Representative
Signature

7/25/2023
Date

2023 Eurasian Watermilfoil Delineation

Lake Elmo (# 82-0106)
Washington County, MN

Surveyed June 7, 2023



Surveyed by:
Krista Espelien – *Environs, LLC*

Analysis, and Reporting by:
James A. Johnson – *Aquatic Ecologist*



Certified Lake Manager
www.NALMS.org

Purpose of Survey

This spring survey was conducted to locate and delineate areas of Eurasian watermilfoil (EWM) in Lake Elmo (#82-0106). This information will help to guide future management decisions and meet DNR permit requirements.

Survey Method

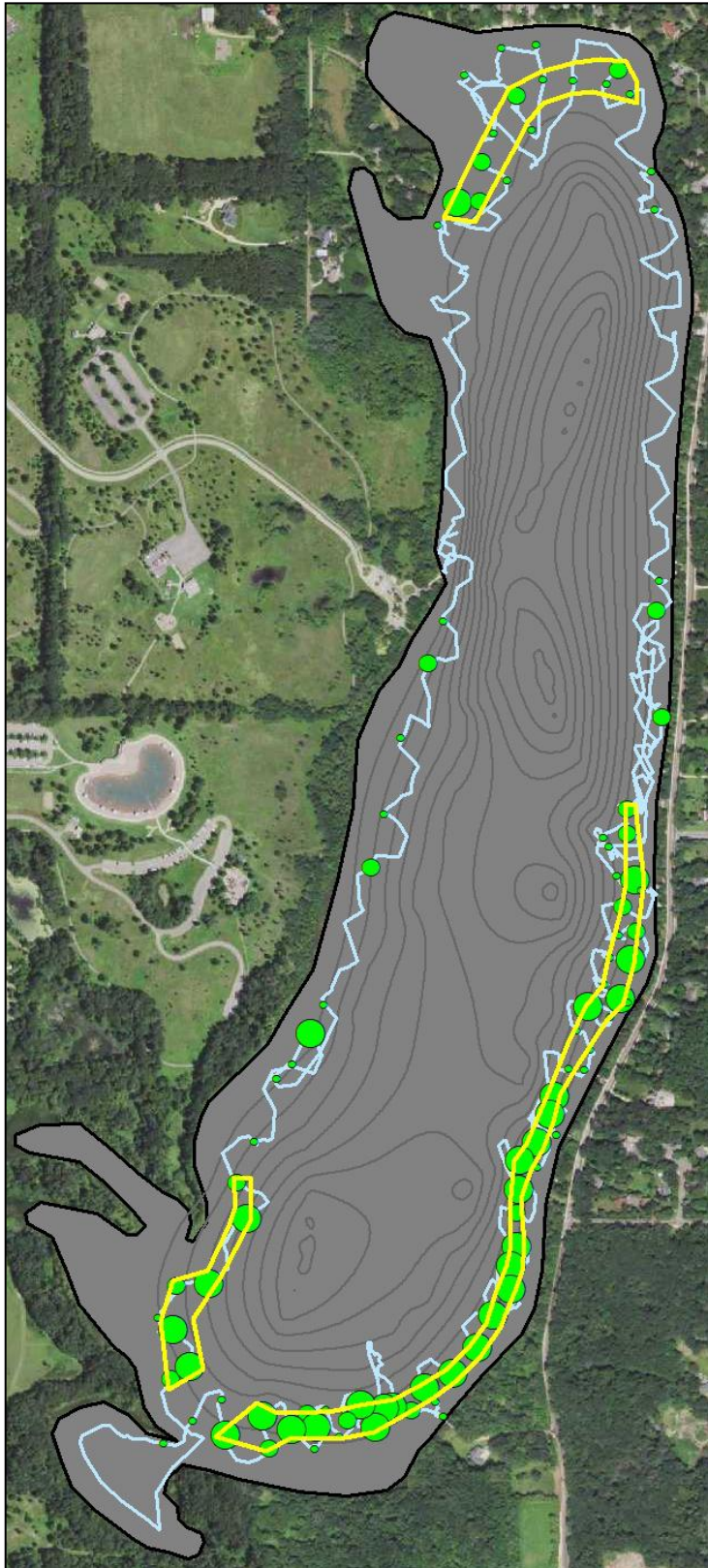
EWM Delineation Survey

We surveyed Lake Elmo on June 7, 2023. During this survey, we navigated a meandering path over the vegetated portion of the lake, with the exclusion of areas dominated by lily pads, bulrush, or cattails. While navigating this search path, we used a combination of surface observations, sonar readings, and rake tosses to locate and delineate areas of EWM growth. When we encountered EWM plants, we marked the location, recorded the water depth, and rated the density of the growth using density scores as described in the table below.

Score	Visual	Rake
1	Light / Solitary plants	1-2 stems
2	Moderate / Scattered dense patches	3 to 9 stems
3	Dense / Uniform dense growth	10+ stems

For rake samples, we dragged a sampling rake over approximately 10 square feet of lake bottom and recorded the EWM density based upon the number of plants (stem count) retrieved on the rake. The recorded water depths and density scores were linked to the appropriate GPS locations and then mapped using desktop GIS software.

Lake Elmo (#82-0106) 2023 Eurasian Watermilfoil Delineation



— Surveyed Path

▭ Proposed Plots

EWM Density

- 1
- 2
- 3

Surveyed: June 7, 2023

Methods: Visual, Sonar, Rake

Surveyor: K Espelien

Analyst: JA Johnson



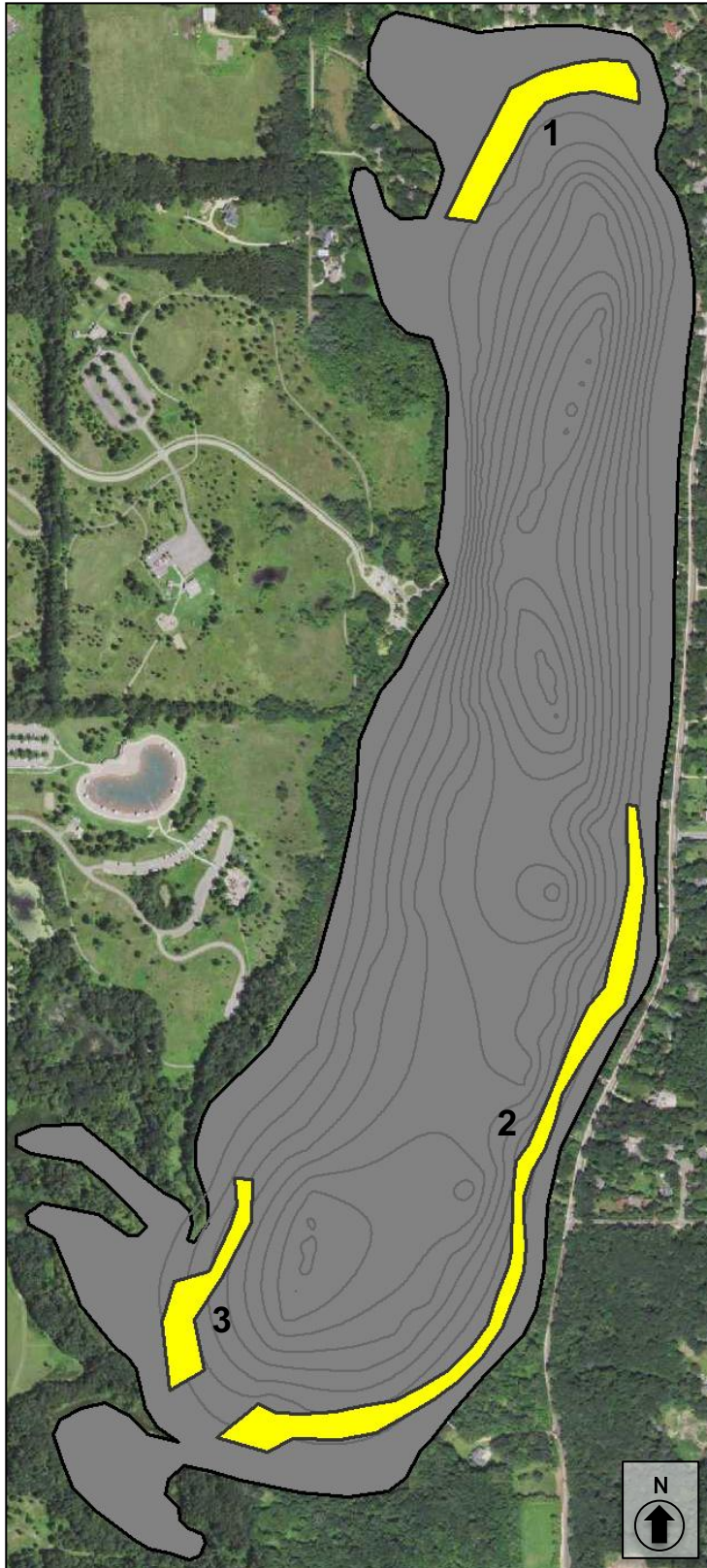
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15771 Creekside Lane
Osseo, MN 55369
fixmylake.com
(651) 336-8696

Lake Elmo (#82-0106)

2023 Eurasian Watermilfoil Management Plots



 Proposed Plots

Plot	Area (acres)	Avg Depth (ft)	Avg Milfoil Density (1-3)
1	4.9	7.2	1.6
2	10.1	8.3	2.3
3	3.3	6.9	2.4

Total 18.3 acres

Surveyed: June 7, 2023

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Online Resources & Contacts

Minnesota Administrative Rules for Aquatic Plant Management

<https://www.revisor.mn.gov/rules/?id=6280>

Minnesota DNR – Aquatic Plant Management Regulations & Permit Application Forms

<http://www.dnr.state.mn.us/apm/index.html>

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