

2024 Early-Summer Delineation Survey for Curlyleaf Pondweed and Eurasian Watermilfoil

Rice Lake (# 27-0116)
Hennepin County, MN

Surveyed June 13, 2024



Survey, Analysis, and Reporting by:

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Purpose of Survey

This early-summer survey was conducted to assess the distribution and abundance of curlyleaf pondweed (CLP) and Eurasian watermilfoil (EWM) in Rice Lake. This information will help guide future management actions and is required as a part of DNR permitting for herbicide treatment or lake drawdown.

Survey Method

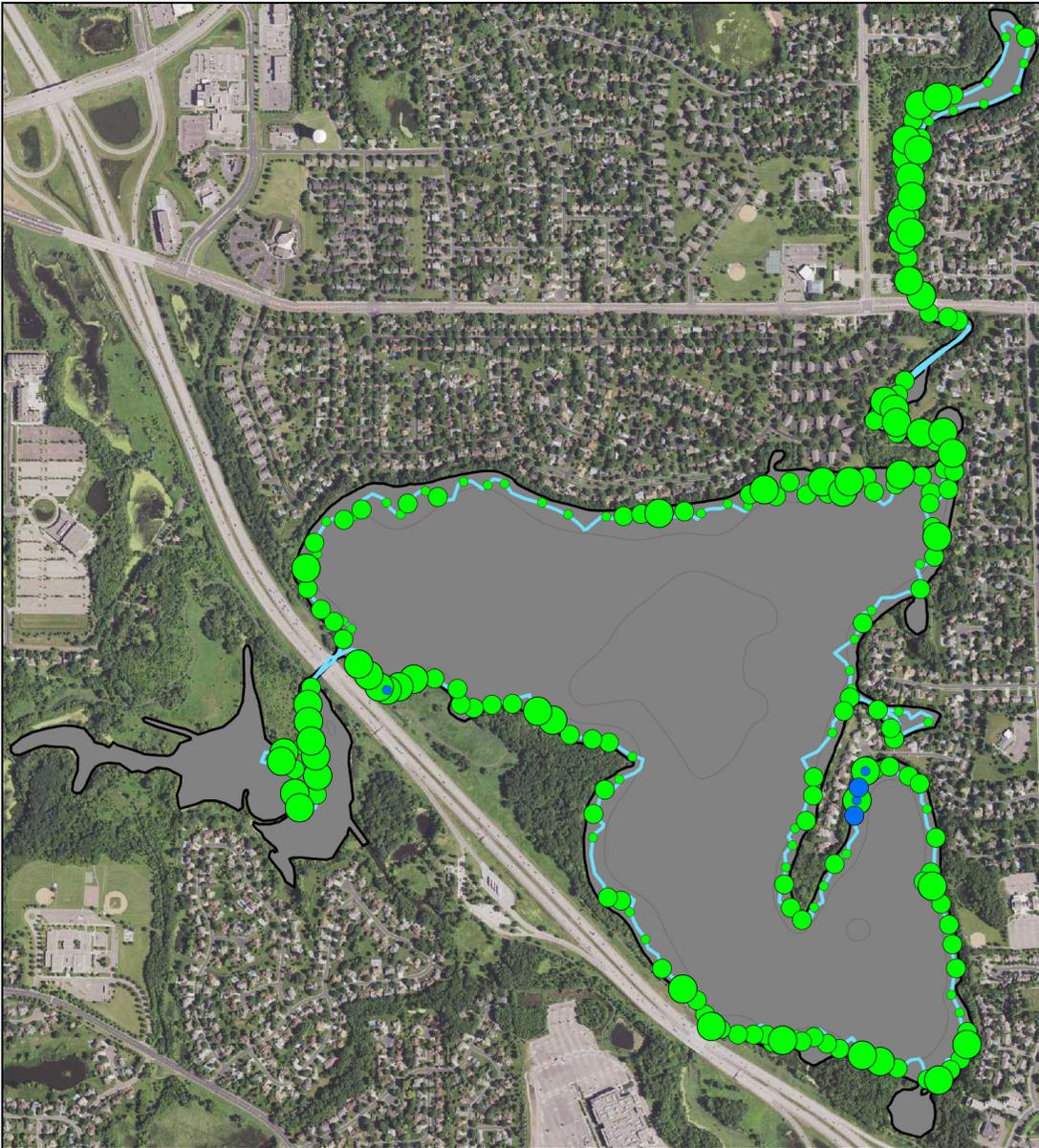
Search & Delineation Survey

Freshwater Scientific Services surveyed the vegetated portion of Rice Lake on June 13, 2024. During this survey, we navigated a meandering search path that covered the vegetated portion of the lake. While navigating this search path, we used a combination of surface observations, sonar readings, and rake tosses to assess areas of CLP and EWM growth. When we encountered CLP or EWM plants, we marked the location, recorded the water depth, and rated the density of the growth using visual or rake density scores as described in the table below. The recorded water depths and density scores were linked to the appropriate GPS locations and then mapped using desktop GIS software.

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

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CLP Density

- 1
- 2
- 3

EWM Density

- 1
- 2
- 3

Surveyed: June 13, 2024
Methods: Visual, Rake, Sonar
Surveyor: JA Johnson



Map produced for the Rice Lake Area Association by:

freshwater
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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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