

# 2023 Early-Summer Delineation Survey for Curlyleaf Pondweed and Eurasian Watermilfoil

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

Surveyed June 22, 2023



## Survey, Analysis, and Reporting by:

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**Certified Lake Manager**  
[www.NALMS.org](http://www.NALMS.org)

## 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.

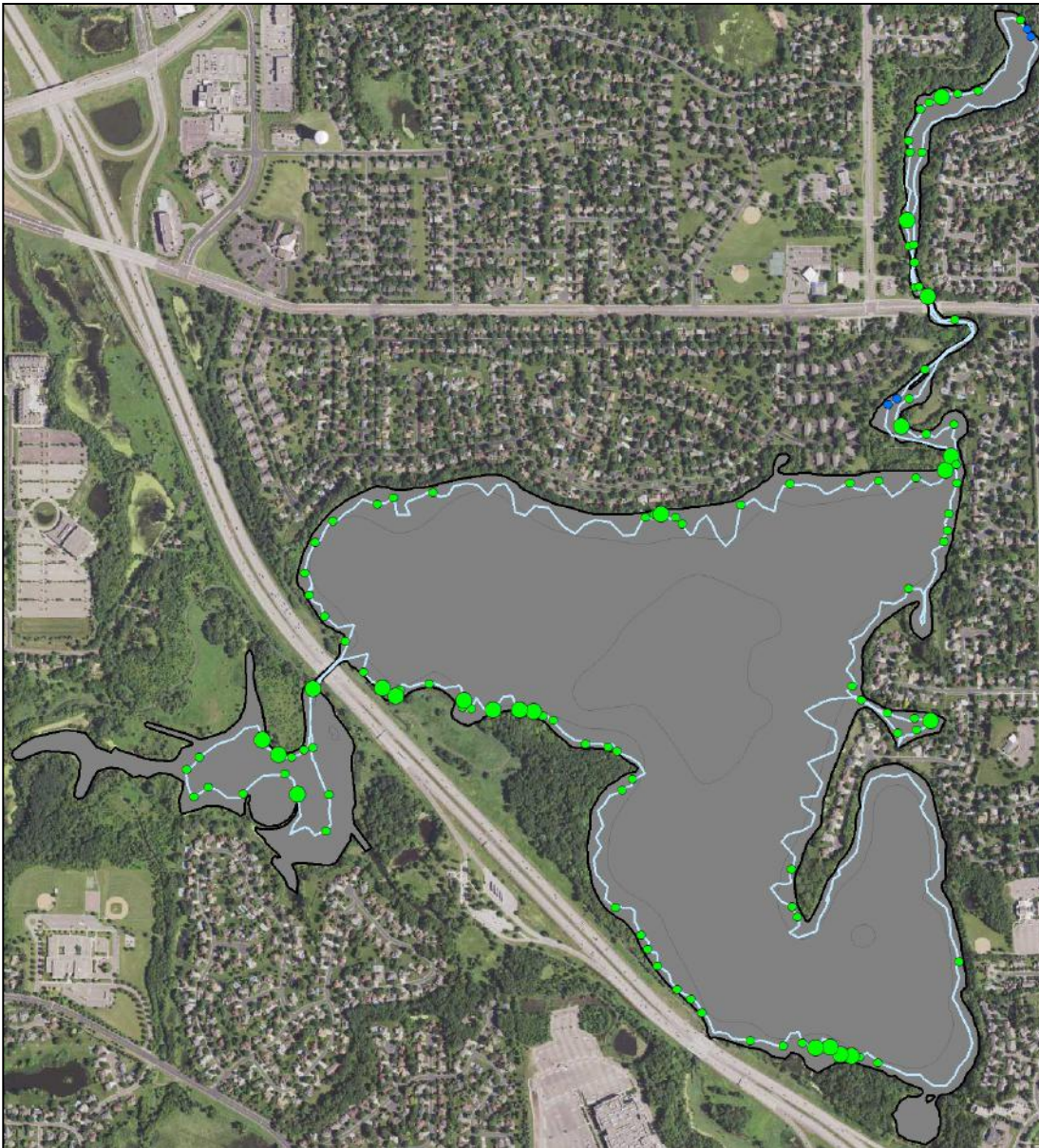
## Survey Method

### Search & Delineation Survey

Freshwater Scientific Services surveyed the vegetated portion of Rice Lake on June 22, 2023. 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

# Rice Lake (# 27-0116) 2023 Curlyleaf Pondweed & Eurasian Watermilfoil Delineation



**CLP Density**

- 1 (small green dot)
- 2 (medium green dot)
- 3 (large green dot)

**EWM Density**

- 1 (small blue dot)
- 2 (medium blue dot)
- 3 (large blue dot)

**Surveyed:** June 22, 2023  
**Methods:** Visual, Rake, Sonar  
**Surveyor:** JA Johnson



Map produced for the Rice Lake Area Association by:

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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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