

# 2022 Late-Spring Delineation Survey for Curlyleaf Pondweed and Eurasian Watermilfoil

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

Surveyed June 8, 2022



## Survey, Analysis, and Reporting by:

James A. Johnson – *Aquatic Ecologist, Freshwater Scientific Services*



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

## Purpose of Survey

This late-spring survey was designed 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.

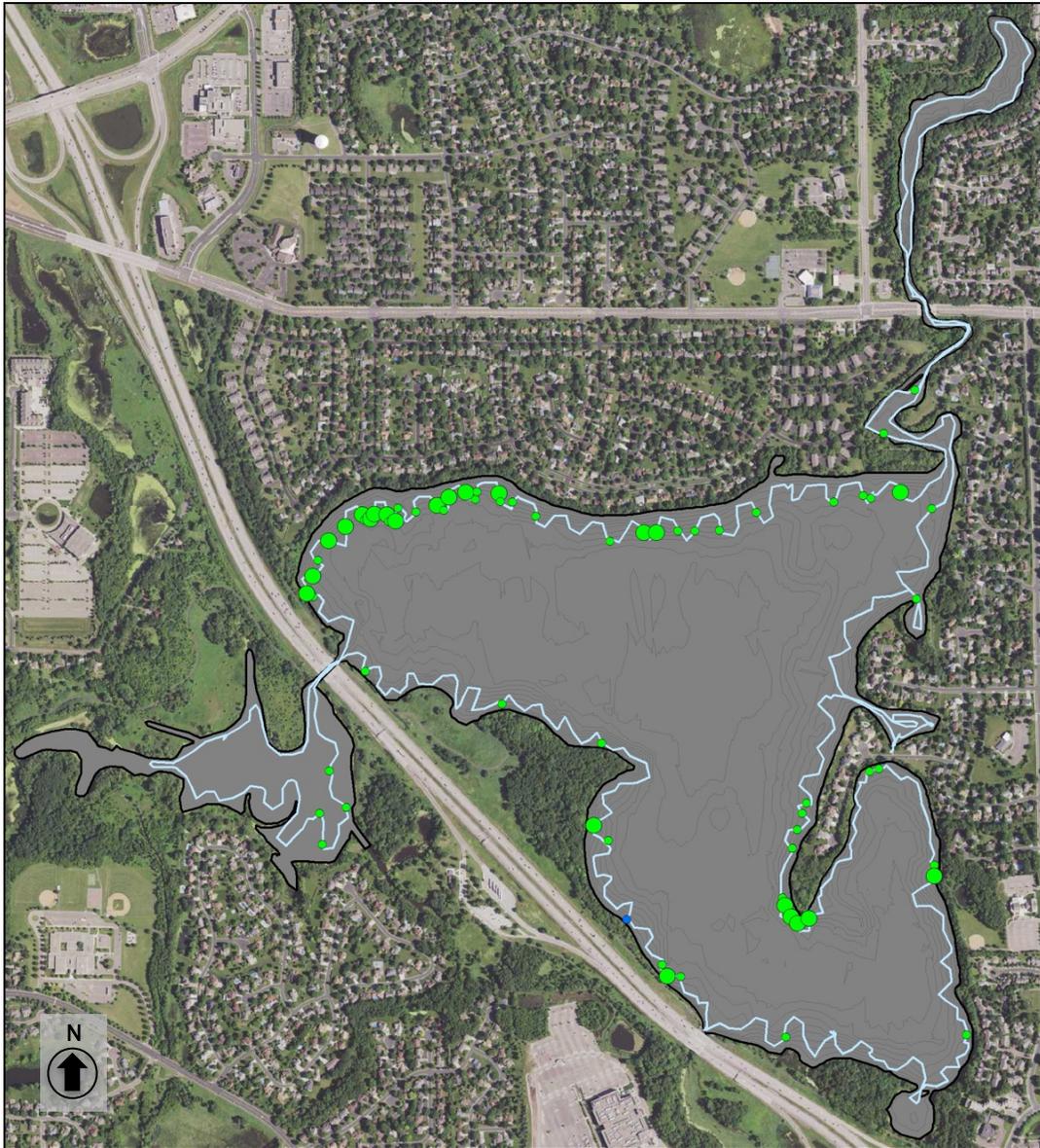
## Survey Method

### Delineation Survey

Freshwater Scientific Services surveyed the vegetated portion of Rice Lake on June 8, 2022. 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) 2022 Curlyleaf Pondweed & Eurasian Watermilfoil Delineation



**CLP Density**

- 1
- 2
- 3

**EWM Density**

- 1
- 2
- 3

**Surveyed:** June 8, 2022  
**Methods:** Visual, Rake, Sonar  
**Surveyor:** JA Johnson



Map produced for the  
Rice Lake Area Association by:



## ***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>

### **April Londo**

Invasive Species Specialist

Minnesota DNR

[april.londo@state.mn.us](mailto:april.londo@state.mn.us)

(651) 259-5861

### **Wendy Crowell**

ALS Management Consultant

Minnesota DNR

[wendy.crowell@state.mn.us](mailto:wendy.crowell@state.mn.us)

(651) 259-5085