

2022 Eurasian Watermilfoil Delineation

Lake Mary (# 18-0185)
Crow Wing County, MN

Surveyed July 14, 2022



Survey, Analysis, and Reporting by:

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Purpose of Survey

This survey was conducted to document the location and abundance of Eurasian watermilfoil (EWM) growing in nearshore areas of Lake Mary (#18-0185) with additional focus on areas where we found EWM in the past. This information will help guide management decisions and is required for DNR control permit applications.

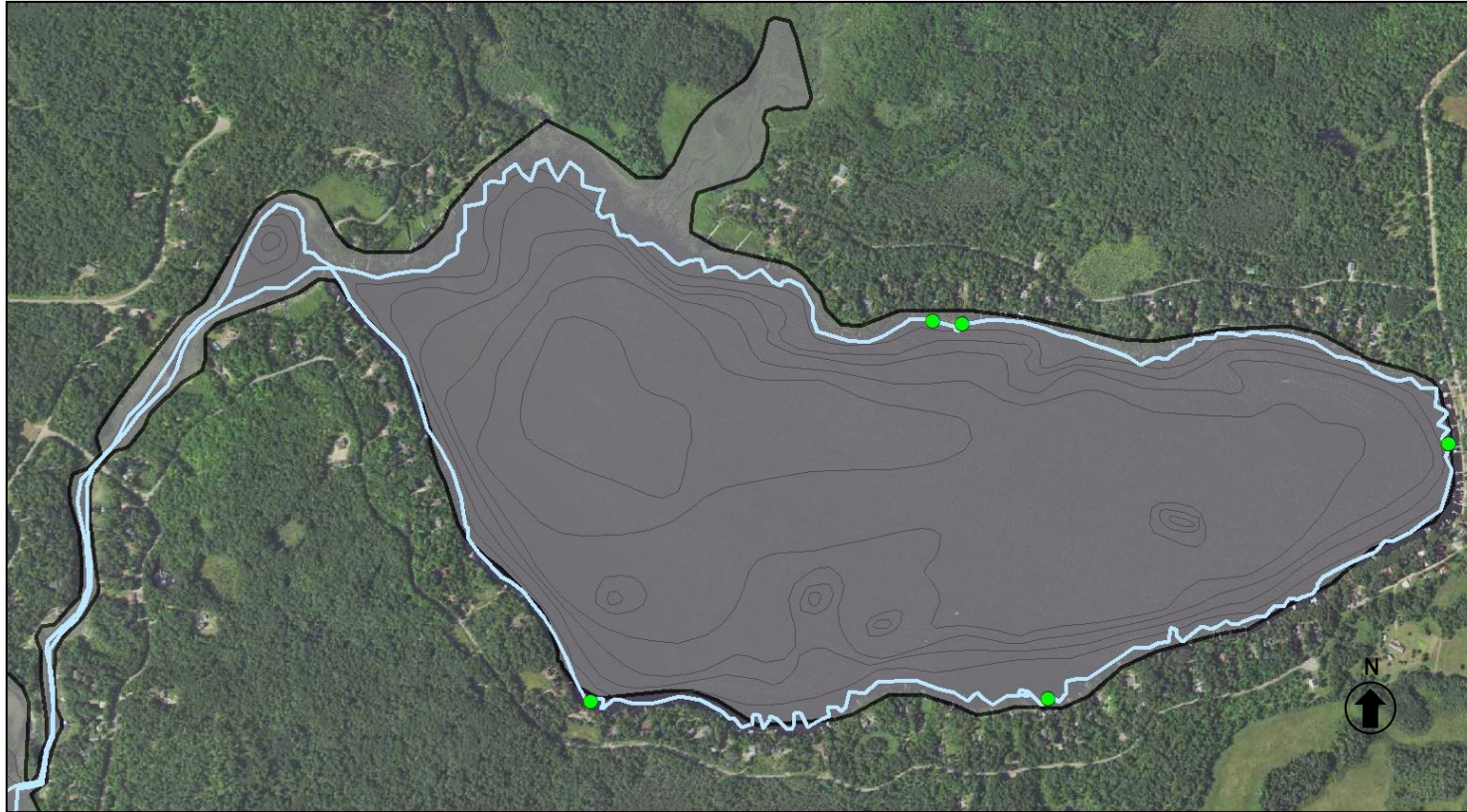
Survey Method

EWM Delineation

Freshwater Scientific Services surveyed the designated portions of Lake Mary on July 14, 2022. During this survey, we navigated a meandering path over nearshore areas while using a combination of surface observations, sonar readings, and rake tosses to locate and delineate any areas of EWM growth. We used a hand-held Garmin GPS unit (GPS-MAP78) to record each of the locations where we encountered EWM, and also documented water depth and growth density (density rating; 1 to 3 scale as described below). The recorded water depths and EWM densities 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

Lake Mary (#18-0185) Eurasian Watermilfoil Delineation: 2022



— Surveyed Path

EWM Density

- 1
- 2
- 3

Management Note:
Past management continues to provide long-term control of EWM in Lake Mary; we found only a few locations with solitary EWM plants. Accordingly, we are recommending no treatment in 2022.

Surveyed: July 14, 2022
Surveyor: JA Johnson
Methods: Visual, Rake, Sonar



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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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