

2025 Eurasian Watermilfoil Delineation

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

Surveyed July 29, 2025



Survey, Analysis, & Reporting by:

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



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 EWM has been found in the past. This information will help guide management decisions and is required for DNR control permit applications.

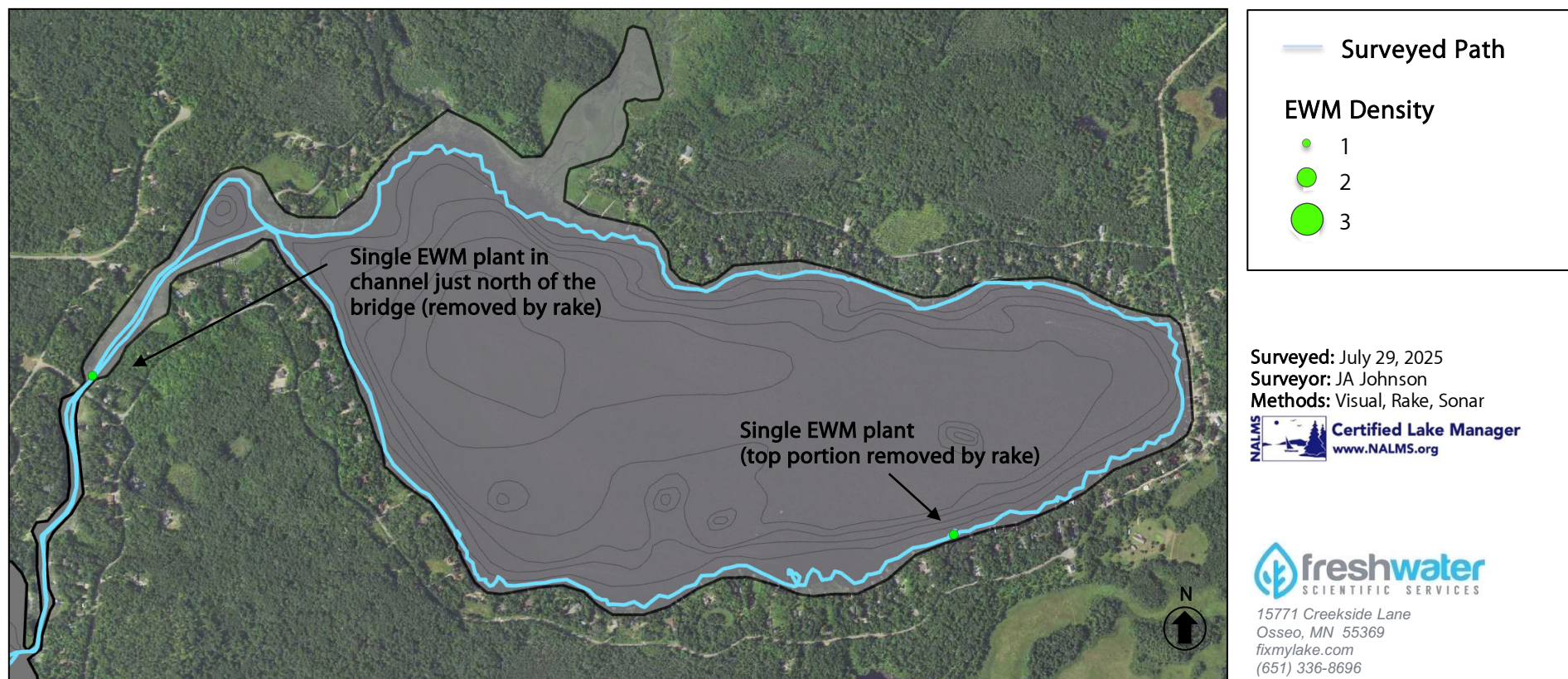
Survey Method

EWM Delineation

We surveyed nearshore areas of Lake Mary on July 29, 2025. During this survey, we navigated a meandering path over the search area 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: 2025



We found only two locations with EWM during the survey on Lake Mary, with only a single EWM plant at each site. We collected portions of these plants by rake for identification. The EWM plant in the channel was in very soft sediment, and the retrieved plant appeared to have the root ball still attached to the plant (total removal), but at the southeastern site, only the top portion of the plant came up on the rake (root ball likely still intact). Both of these sites should be monitored in 2026 to document any regrowth from roots or fragments.

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>

Camden Droppo

Invasive Species Specialist

Minnesota DNR

camden.droppo@state.mn.us

(218) 350-5004

Mike Verhoeven

ALS Management Consultant

Minnesota DNR

michael.verhoeven@state.mn.us

(651) 259-5974