

2024 Curlyleaf Pondweed Delineation Survey

Harrisons Bay (*Lake Minnetonka, #27-0133*)
Hennepin County, MN

Surveyed April 10, 2024



Surveyor:

Krista Espelien – *Environs*

Analysis & Reporting by:

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Certified Lake Manager
www.NALMS.org

Purpose of Survey

This survey was conducted to document the distribution and abundance of curlyleaf pondweed (CLP) growing in Harrisons Bay (Lake Minnetonka, #27-0133). Results from this survey will help guide management decisions and meet requirements for DNR control permits.

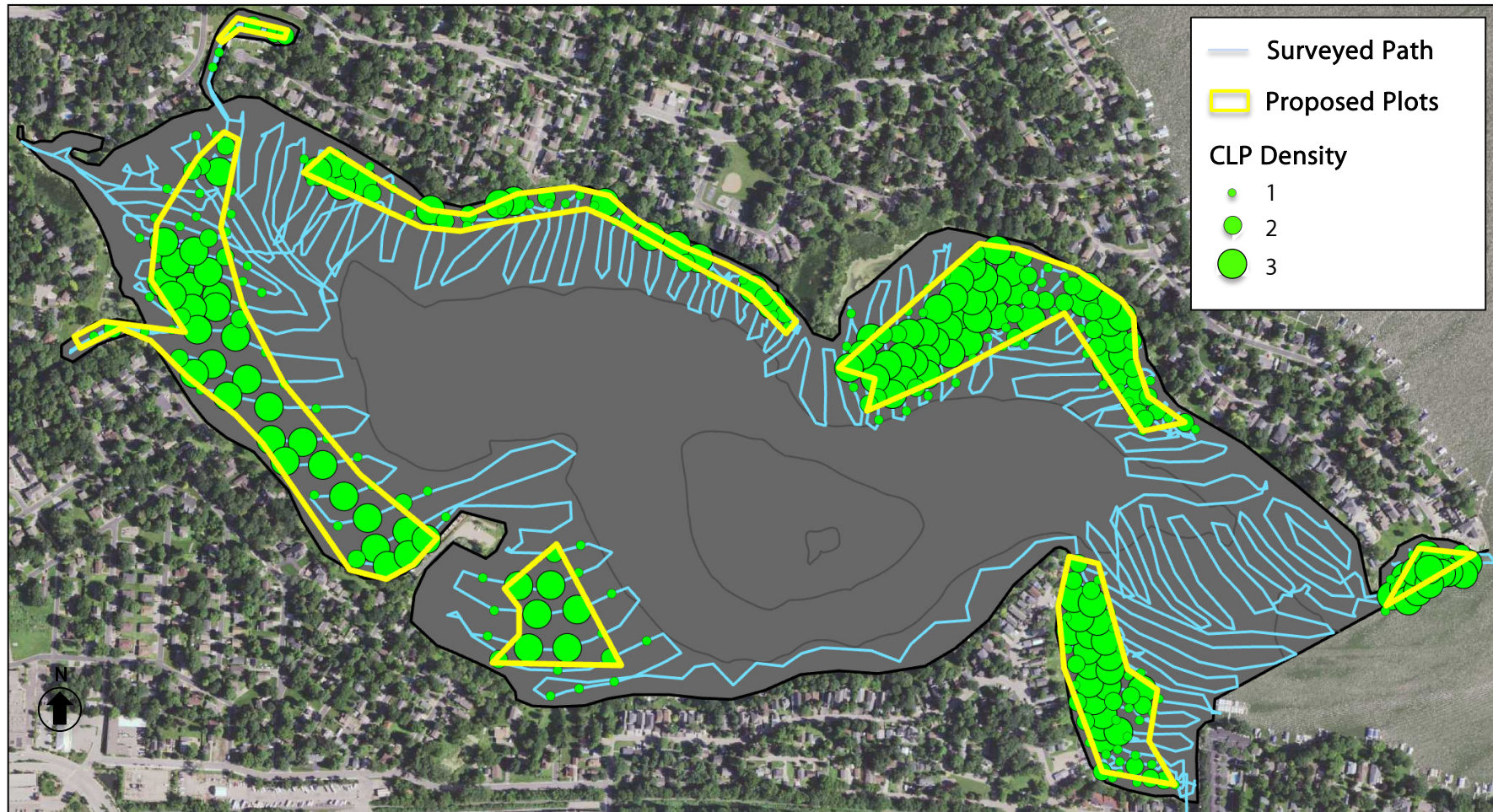
Survey Method

Delineation Surveys

We surveyed the vegetated portion of Harrisons Bay on April 10, 2024. During this survey, we navigated a meandering path through the search area while using a combination of surface observations, sonar readings, and rake tosses to locate and delineate any areas of CLP growth. When we encountered CLP, we used a hand-held Garmin GPS unit (GPS-MAP78) to record the location and also documented water depth and growth density (density rating; 1 to 3 scale as described below). The recorded water depths and plant 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

Harrisons Bay (Lake Minnetonka, #27-0133) Curlyleaf Pondweed Delineation: 2024

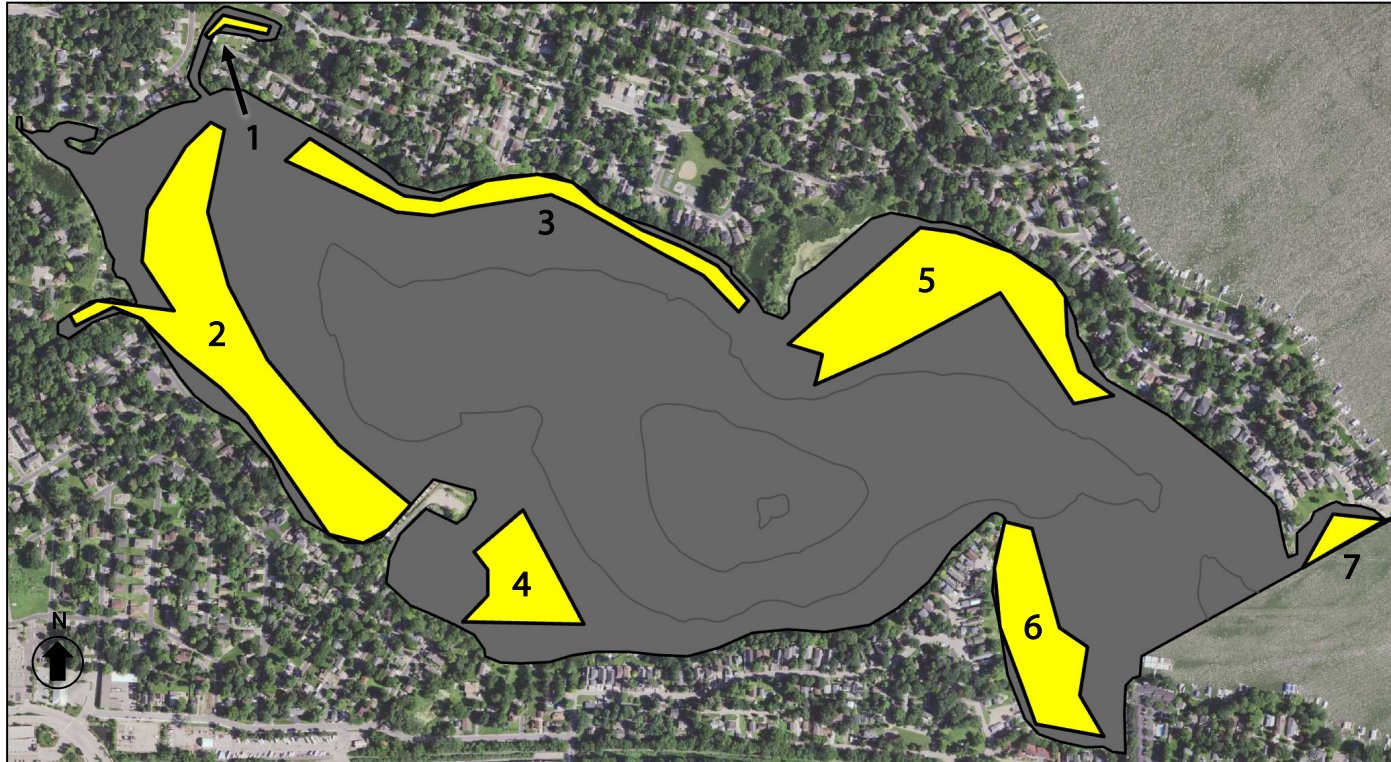


Surveyed: April 10, 2024
Methods: Visual, Rake, Sonar
Surveyor: K Espelien
Analyst: JA Johnson



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Harrisons Bay (Lake Minnetonka, #27-0133) Curlyleaf Pondweed Management Plots: 2024



 Proposed Plots

Plot	Area (acres)	Avg Depth (ft)	Avg CLP Density (1-3)
1	0.3	4.9	1.8
2	15.9	5.2	2.3
3	4.8	5.3	1.9
4	3.9	5.3	2.5
5	11.5	6.0	2.3
6	6.1	6.1	2.0
7	0.8	4.8	2.7

Total 43.3 acres

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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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