

2022 Curlyleaf Pondweed Delineation Survey

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

Surveyed May 11 & May 16, 2022



Survey, Analysis, and Reporting by:

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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.

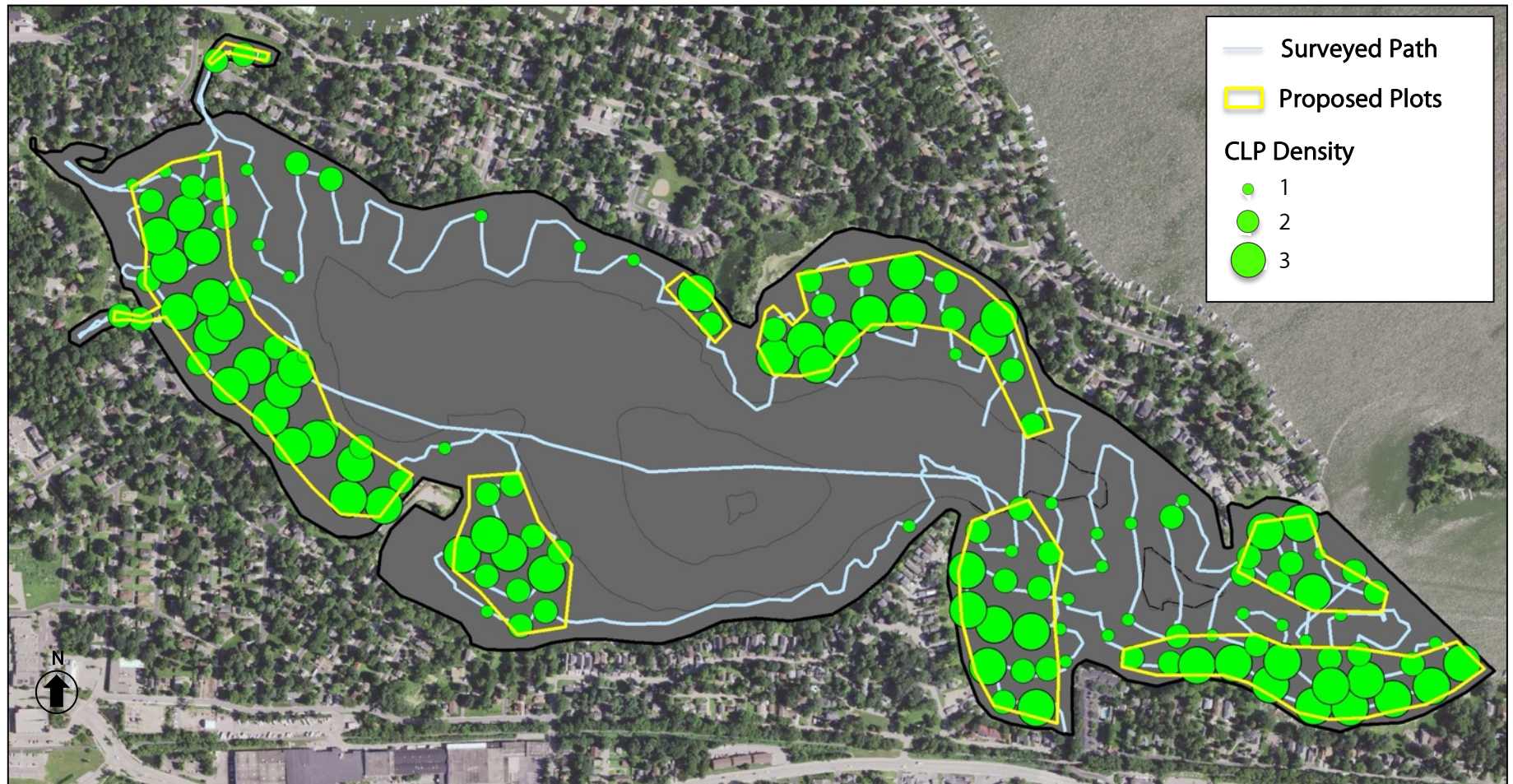
Survey Method

Delineation Surveys

Freshwater Scientific Services surveyed the vegetated portion of Harrisons Bay on May 11 and May 16, 2022. During this survey, we navigated a meandering path through the search areas while using a combination of surface observations, sonar readings, and rake tosses to locate and delineate any areas of CLP growth. We used a hand-held Garmin GPS unit (GPS-MAP78) to record each of the locations where we encountered CLP, 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: 2022



Surveyed: May 11 & May 16, 2022

Surveyor: JA Johnson

Methods: Visual, Rake, Sonar

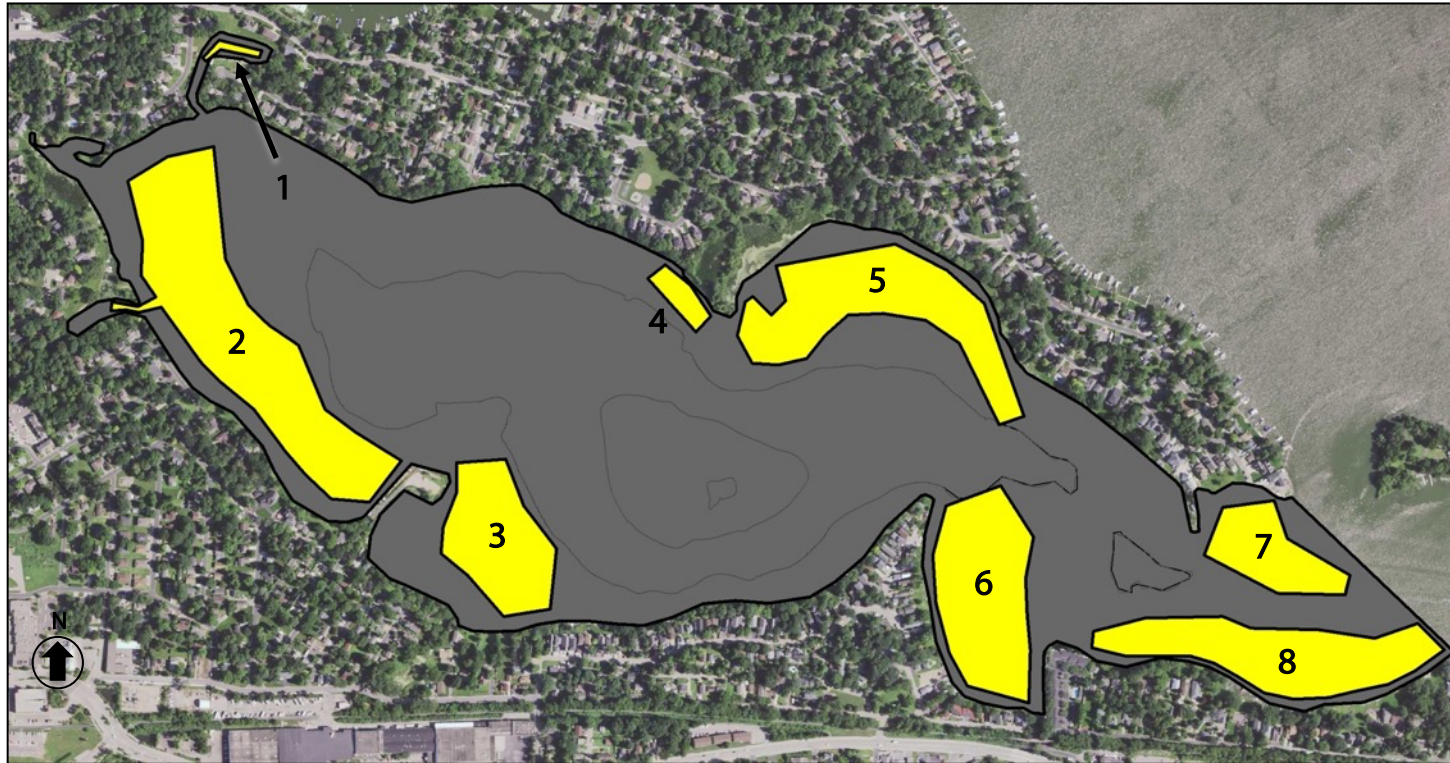


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Harrisons Bay (Lake Minnetonka, #27-0133) Curlyleaf Pondweed Management Plots: 2022



 Proposed Plots

Plot	Area (acres)	Avg Depth (ft)	Avg CLP Density (1-3)
1	0.3	4.7	1.7
2	19.2	4.9	2.5
3	7.7	4.8	2.3
4	1.1	4.6	2.5
5	12.3	5.0	2.5
6	10.5	5.6	2.3
7	4.8	6.4	2.2
8	10.6	5.1	2.5

Total 66.5 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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