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Curlyleaf Pondweed in the Briggs Chain of Lakes: 2026

Briggs Lake *(#71-0146)*
Julia Lake *(#71-0145)*
Rush Lake *(#71-0147)*

Surveyed April 28, 2026

Survey, Analysis, & Reporting by:

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Freshwater Scientific Services, LLC

Certified Lake Manager
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Purpose of Survey

These surveys were conducted in the spring of 2026 to document areas of curlyleaf pondweed (CLP) in Briggs Lake, Julia Lake, and Rush Lake just prior to treatment. The 2026 treatments were based upon areas identified in 2025, but the 2026 surveys detailed in this report are intended to guide CLP management and meet DNR permit requirements in 2027. Note that we have been seeing more extensive CLP growth in many lakes this spring (including the Briggs Chain) – likely due to the ice and snowfall conditions this past winter. However, based upon the areas identified in the 2026 treatment permit, we expect that CLP will be controlled in most of the areas where we found denser CLP this spring.

Survey Method

CLP Delineation Surveys

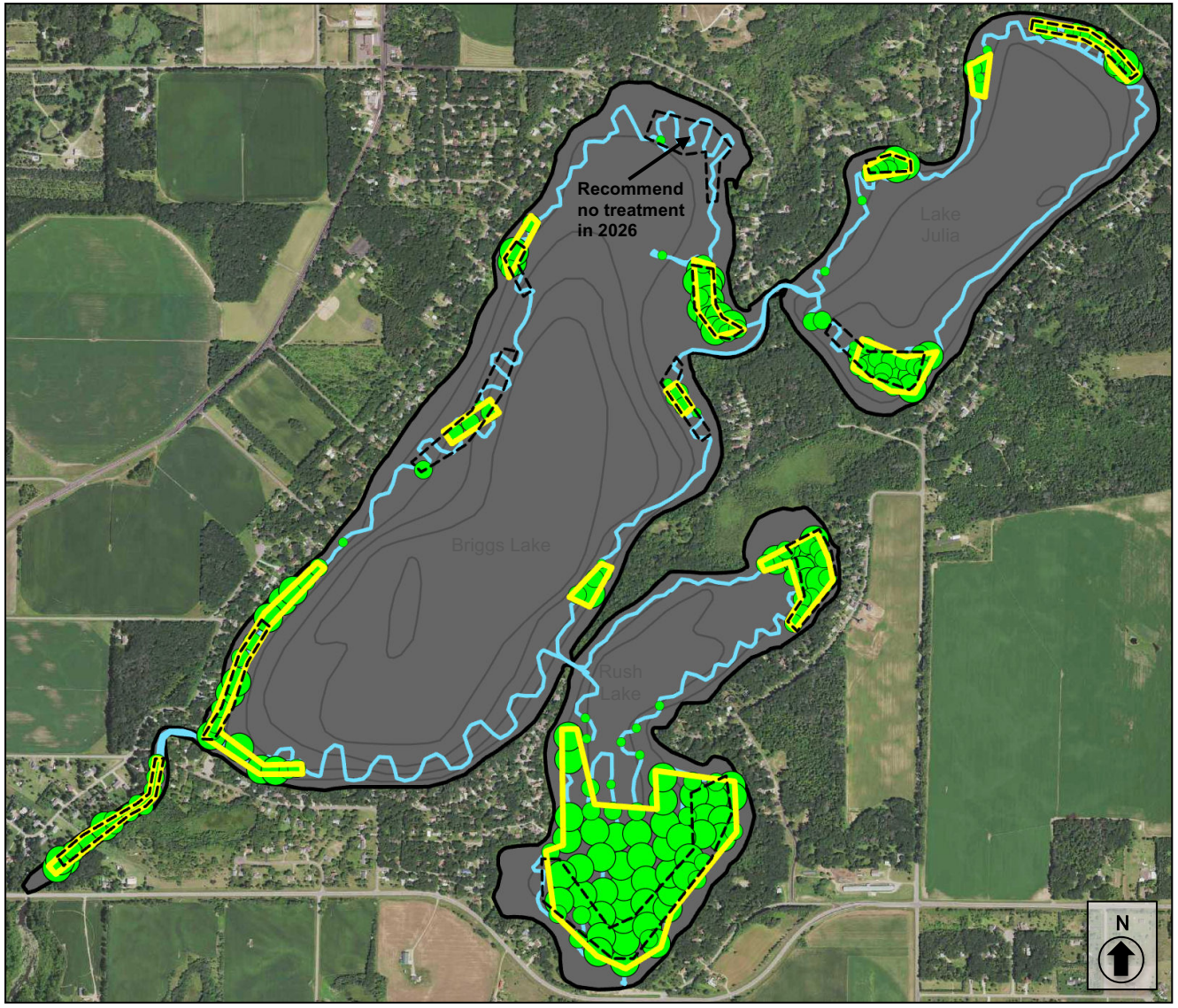
Freshwater Scientific Services surveyed the Briggs Chain on April 28, 2026, with additional focus on areas where we have found CLP in past years. These surveys occurred about 1-2 days prior to treatment to document peak CLP abundance in the lakes.

During these surveys, we navigated a meandering search path over the search areas for each lake, with additional focus on those areas where we have found denser CLP in the past. While navigating this search path, we used a combination of surface observations, rake tosses, and sonar readings, to locate and delineate areas of CLP growth. Sonar and visual assessments were conducted continuously, with subsequent rake tosses to assess CLP abundance at locations where plants were not identifiable from the surface. When we encountered CLP plants, we marked the location, recorded the water depth, and rated the density of the growth using visual and rake density scores as described in the table below.

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

For rake samples, we dragged a sampling rake over approximately 10 square feet of lake bottom and recorded the CLP density based upon the number of plants (stem count) retrieved on the rake. The recorded water depths and density scores were linked to the appropriate GPS locations and then mapped using desktop GIS software.

Briggs Chain of Lakes
2026 Curlyleaf Pondweed Delineation *(conducted just prior to treatment)*



Curlyleaf Pondweed

- Treated Apr 30, 2026
- Surveyed Path
- Potential 2027 Plots

CLP Density

- 1
- 2
- 3

Apr 28, 2026

Surveyed: April 28, 2026
Methods: Rake, Visual, Sonar
Surveyor: JA Johnson

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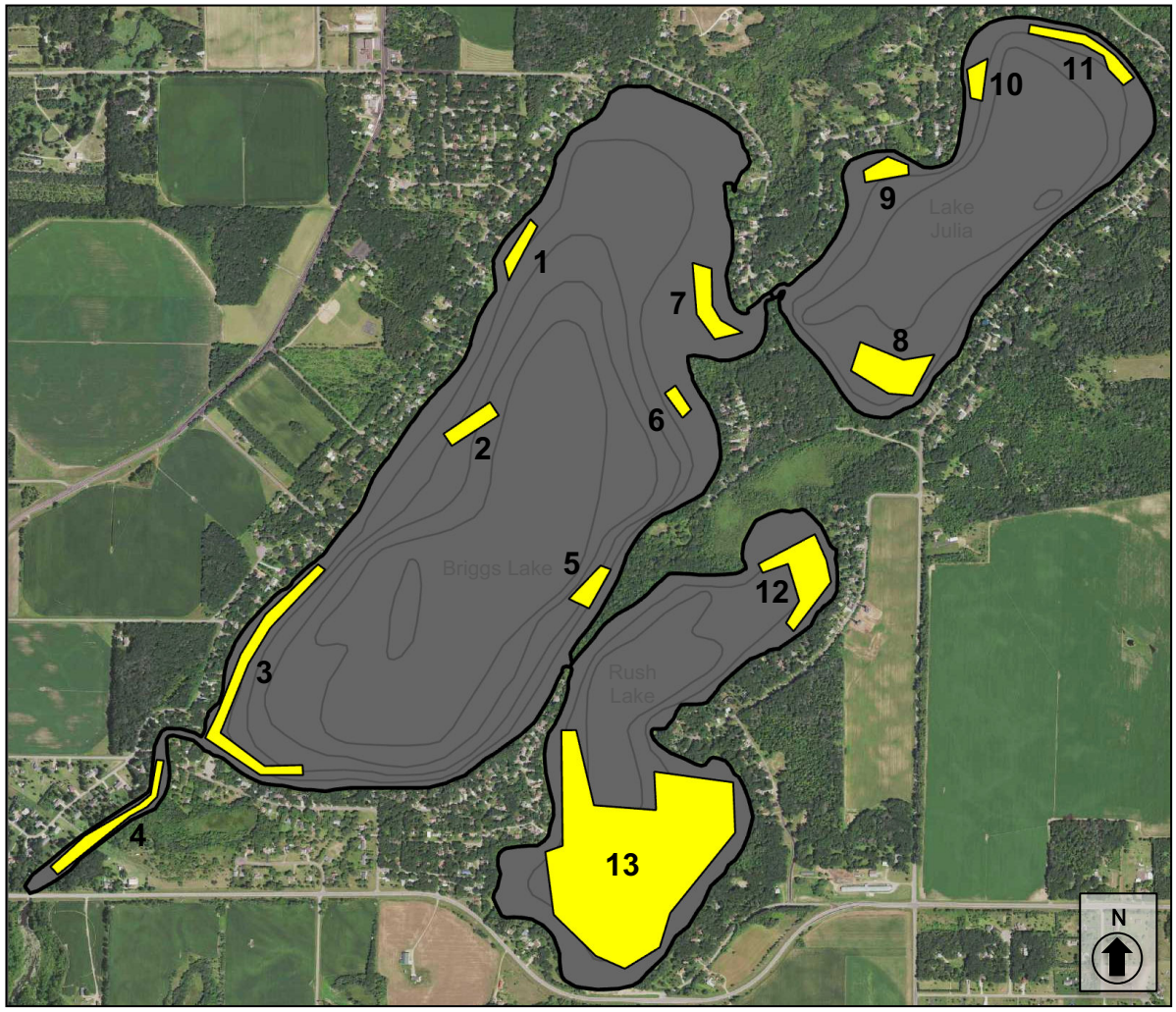
Briggs Chain of Lakes
Potential Management Areas for 2027



Potential 2027 Treatment Areas

Plot	Acres	Avg Depth *(ft)*	Avg CLP *(1-3)*
1	1.4	2.5	2.5
2	1.9	3.5	2.0
3	7.1	2.9	2.5
4	3.2	3.3	2.2
5	1.6	3.5	2.0
6	0.8	3.7	2.0
7	3.1	4.1	2.7
8	5.4	4.1	2.4
9	1.6	4.2	2.4
10	1.2	5.4	1.8
11	2.7	4.2	2.1
12	6.0	2.7	2.5
13	53.2	4.1	2.8

Total **89.2 acres**

Briggs: **19.1 ac**
Julia: **10.9 ac**
Rush: **59.2 ac**

Surveyed: April 28, 2026
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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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