



Curlyleaf Pondweed (CLP) Delineation Report

Eagle Lake (Sherburne County)

DNR Lake ID #: 71006700

Survey Date: 5/15/2023

Survey & Report Completed by: Eric Fieldseth, AIS Consulting Services

Survey Purpose & Methods

This survey was designed to determine the distribution and abundance of Curlyleaf Pondweed in Eagle Lake throughout the littoral area of the lake. Data from this survey will be used to help inform CLP management plans for 2023.

AIS Consulting Services completed a Curlyleaf Pondweed delineation on Eagle Lake on May 15, 2023. We maneuvered our boat in a meandering pattern throughout the littoral area of the lake, and used a combination of rake tosses, visual observation and our sonar unit to identify areas of CLP. When CLP was observed, we recorded a waypoint, assigned an estimated density score for the CLP, and recorded water depth.

Early season CLP estimated density rating scale

Estimated Density Rating	Description	Rake Sample
1	Low Density - scattered plants	1 to 2 stems
2	Moderate Density - plants are common	3 to 9 stems
3	High Density—heavy growth, dense stands of plants	10 + stems

Figure 1. Survey tracks from Eagle Lake CLP delineation on May 15, 2023

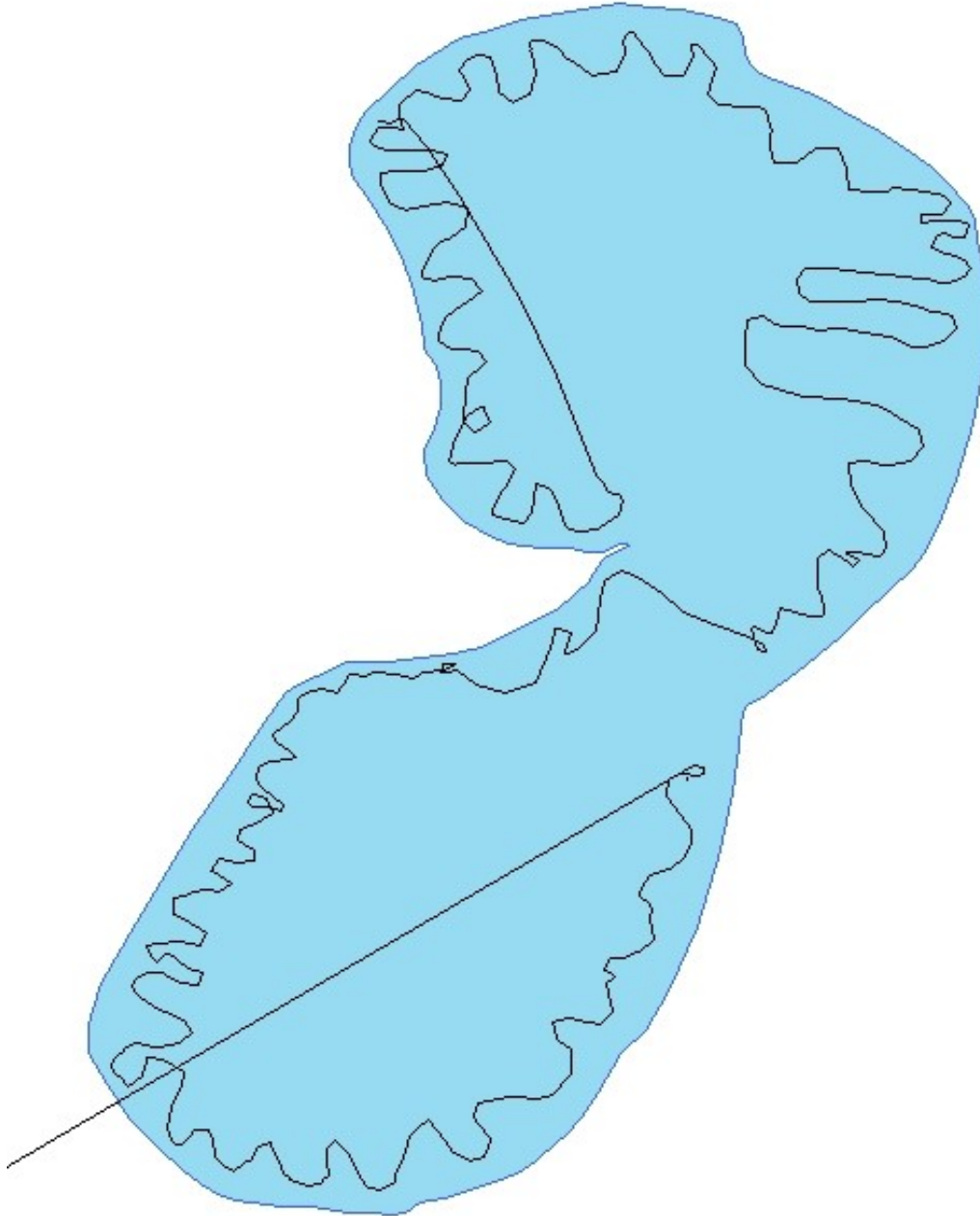


Figure 2. CLP distribution and abundance from Eagle Lake CLP delineation May 15, 2023

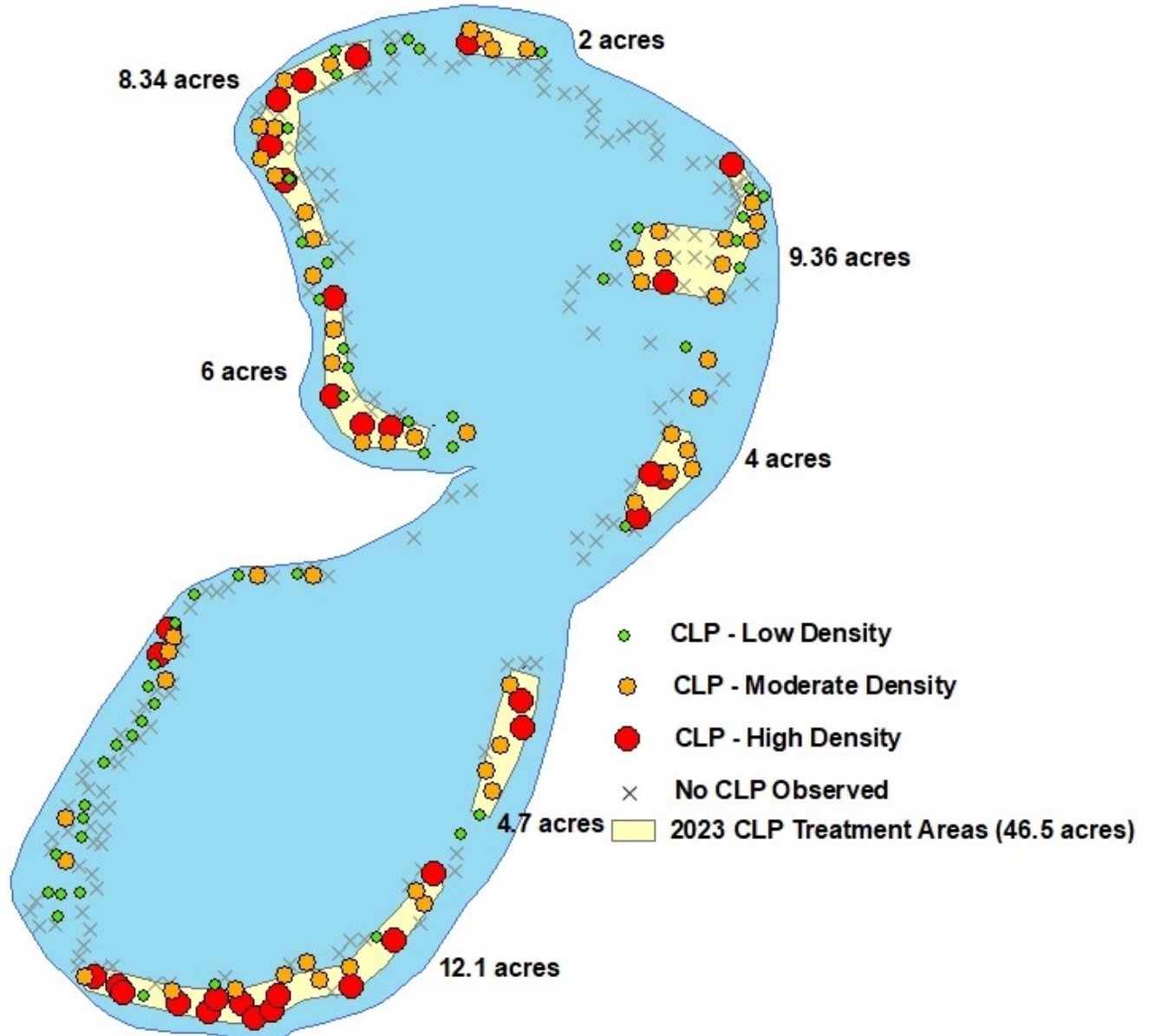


Figure 3. Eagle Lake Proposed 2023 CLP Treatment Areas (46.5 acres)

