



# April AIS Update

2024

Garrett Miller – AIS Program Coordinator





# April 2024 AIS Update Report



## April 2024 Aquatic Invasive Species Update

Moody Lake  
Bone Lake

Little Comfort Lake  
Shields Lake

Lake Keewahtin  
Forest Lake

Comfort Lake



**CLFLWD**  
WATERSHED DISTRICT

4/18/2024



# April 2024 AIS Update Report

## Curly-leaf Pondweed (CLP) Management

- District-Wide
  - Historically, the District conducts CLP delineations from mid-April to early-May and conducts treatment by the end of May.
  - Due to an unseasonably warm winter, the DNR changed the CLP treatment cutoff date from May 31<sup>st</sup> to April 30<sup>th</sup>.
  - This treatment date change is aimed to protect any native species that might have started their growing season early.



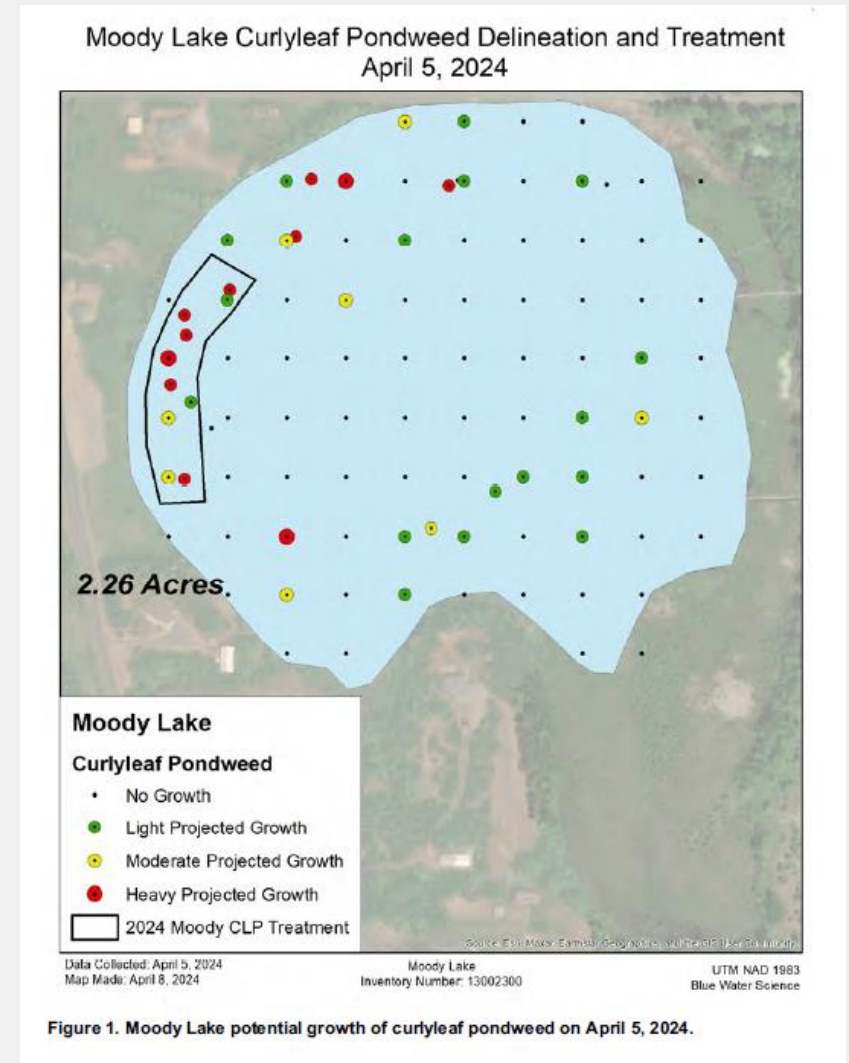
Photo Credit: MAISRC AIS Detector AIS ID Guide



# April 2024 AIS Update Report

## Curly-leaf Pondweed Management

- Moody Lake
  - Delineation performed on April 5<sup>th</sup>
  - Blue Water Science identified 2.26 acres near the Moody Lake Park as a potential treatment site.
  - Staff decided no treatment will be conducted this season to avoid any possible incidental harm to the native transplanting project conducted in 2023.

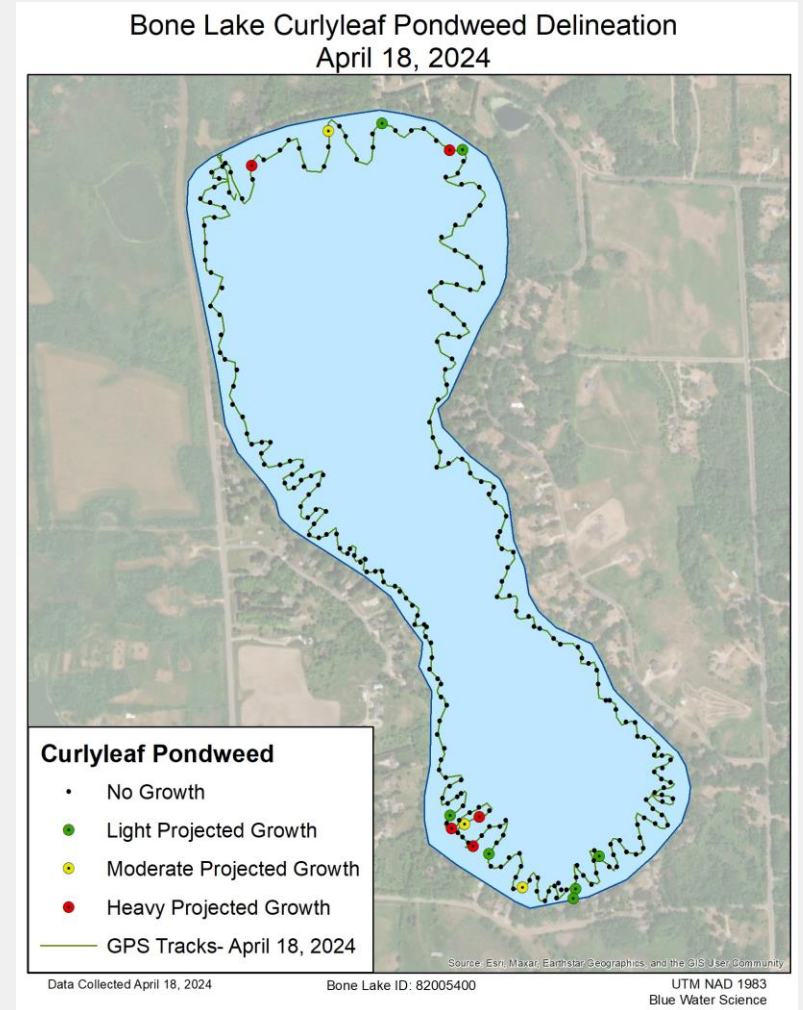




# April 2024 AIS Update Report

## Curly-leaf Pondweed Management

- Bone Lake
  - Delineation performed on April 18<sup>th</sup>
  - No treatment was recommended this season for Bone Lake.

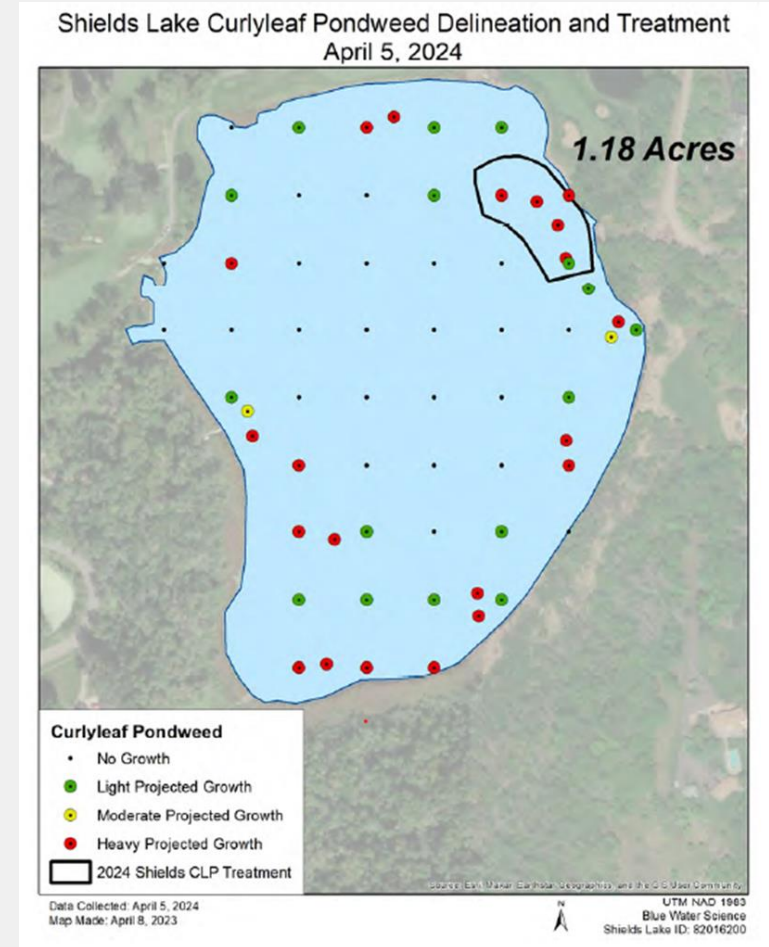




# April 2024 AIS Update Report

## Curly-leaf Pondweed Management

- Shields Lake
  - Delineation performed on April 5<sup>th</sup>
  - Blue Water Science identified 1.18 acres near the Shields Lake Park as a potential treatment site.
  - A treatment will be conducted by the end of April.

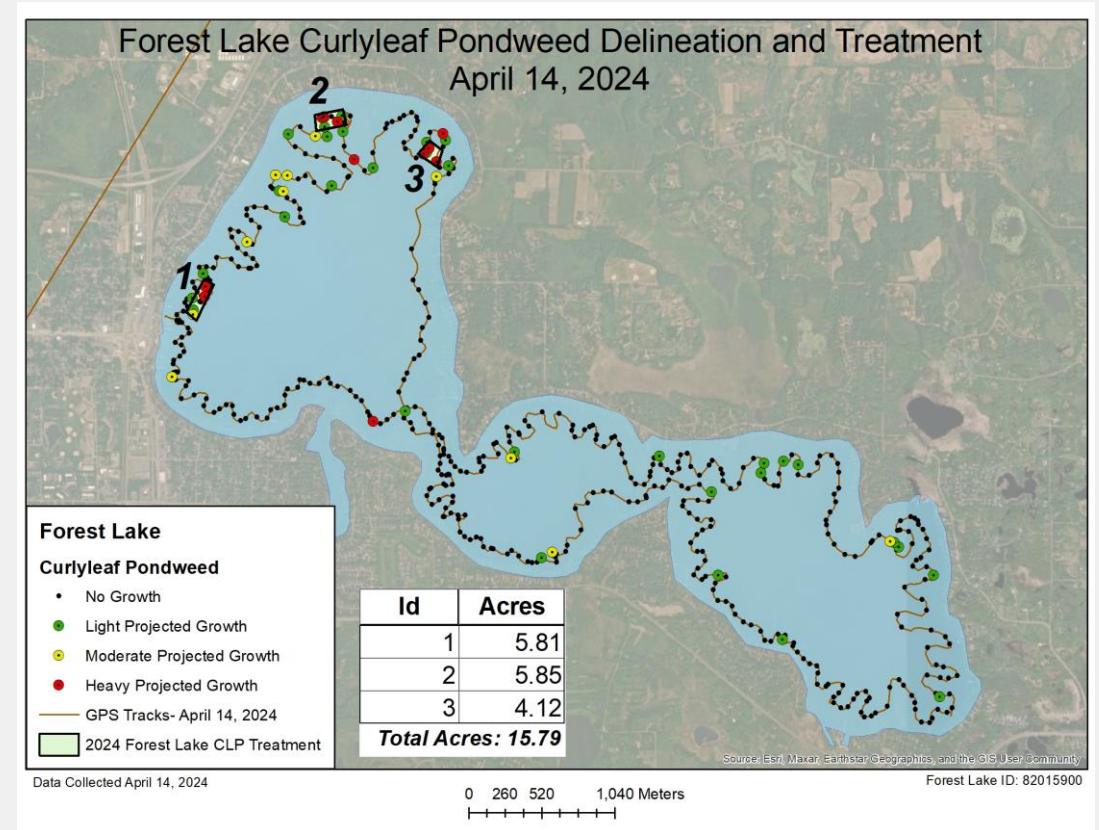




# April 2024 AIS Update Report

## Curly-leaf Pondweed Management

- Forest Lake
  - Delineation performed on April 14<sup>th</sup>
  - Blue Water Science identified only 15.79 acres for treatment. Given the warm winter, staff were anticipating a greater abundance of CLP this season.
  - McComas's Theory: A mild/short winter did not allow the native vegetation to fully decay, which could have blocked sunlight from reaching the sprouting CLP.
  - A treatment will be conducted by the end of April.

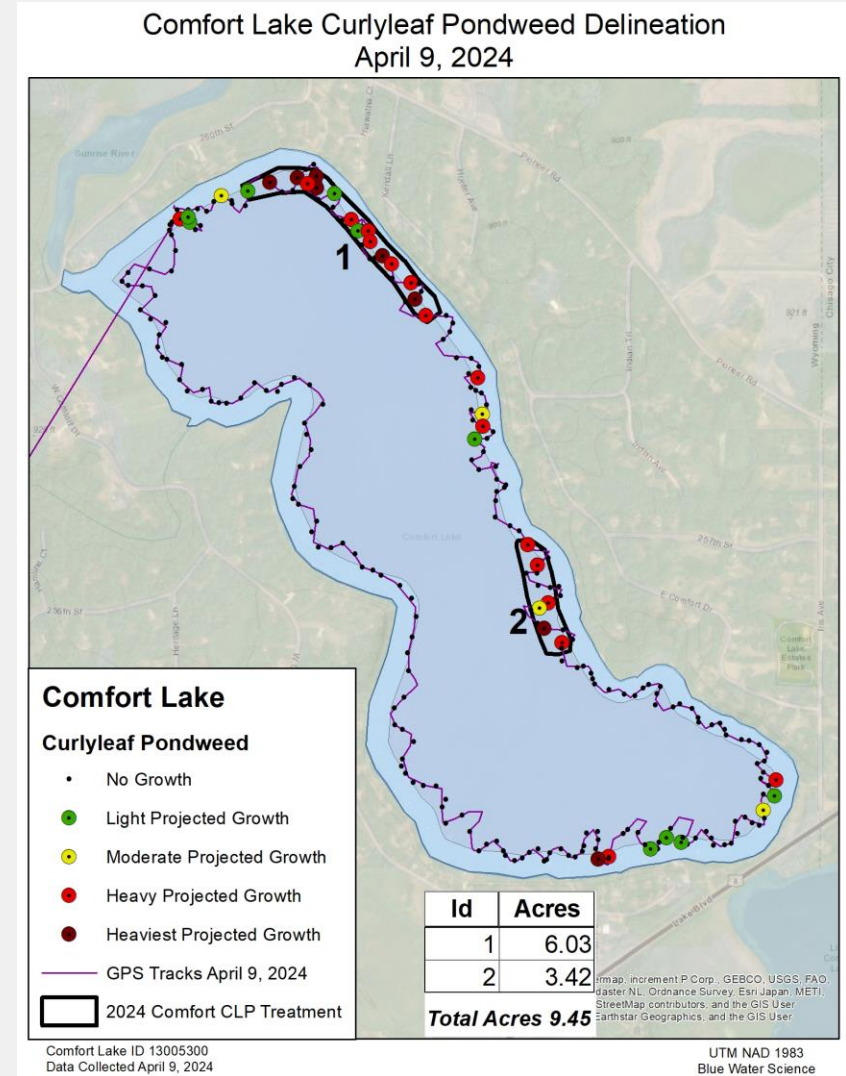




# April 2024 AIS Update Report

## Curly-leaf Pondweed Management

- Comfort Lake
  - Delineation performed on April 9<sup>th</sup>
  - Blue Water Science identified 9.45 acres for treatment. These results were surprising as the District hasn't managed CLP on Comfort Lake since 2015 (1 acre).
  - A treatment will be conducted by the end of April.







# April 2024 AIS Update Report

## Watercraft Inspection Program

- Currently, the District has hired 8 inspectors. One more inspector is anticipated to join the program this spring.
- Five inspectors are anticipated to be trained and authorized to work by May 3rd.





# April 2024 AIS Update Report

## AIS Updates in Admin Report

- On April 3rd, Garrett Miller attended a DNR hosted AIS Workshop. This workshop was an opportunity to actively share and learn from other organization's experiences managing AIS.
- On April 5th, Garrett Miller attended a workshop on Macrophyte Revegetation hosted by researchers at the University of Minnesota. The purpose of the workshop was for the researchers to gather information from aquatic plant managers on what research questions are priorities and what resources organizations needed to implement their own native plantings.

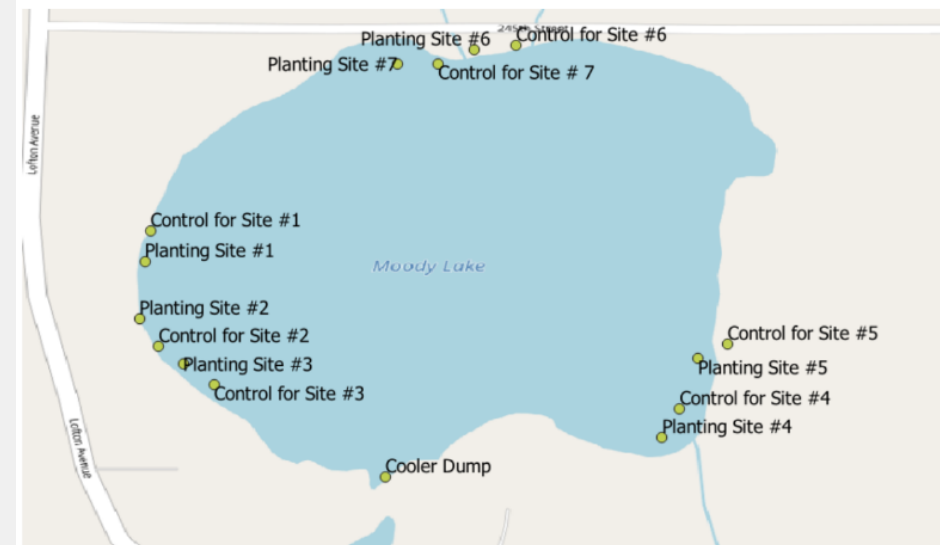


Figure 5. Map of planting and control sites on Moody Lake. North is at the top of the map.



# AIS Comprehensive Prevention & Management Plan

## Aquatic Invasive Species Comprehensive Prevention & Management Plan (Program 3011)



**CLFLWD**  
WATERSHED DISTRICT

Drafted By: Garrett Miller – AIS Program Coordinator  
Updated: April 2024

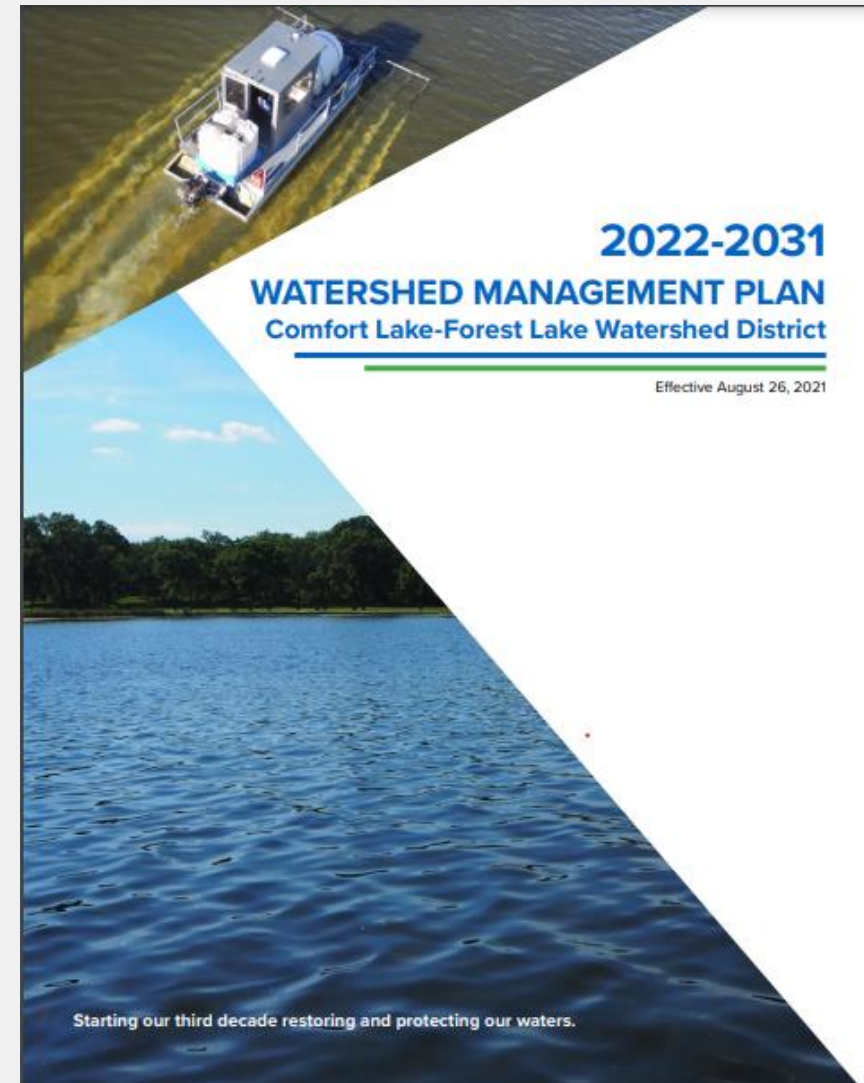
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# AIS Comprehensive Prevention & Management Plan

## Purpose of the AIS Comp Plan

- The CLFLWD's 10-year WMP identifies broad program goals and objectives.
- The AIS Comp Plan elaborates on those goals by providing consistent standards for AIS prevention and management.
- The AIS Comp Plan also serves as a useful resource for staff and local partners to find information on:
  - AIS – What they are, how they spread, why they are harmful.
  - How the District operates its program
  - The District's AIS management history
  - Resources on AIS management





# AIS Comprehensive Prevention & Management Plan

## Summary of the AIS Comp Plan

- The structure of the AIS Comp Plan is based on the AIS Program description found in the CLFLWD's 10-year WMP:
  - 3011B. Watercraft Inspections
  - 3011C. AIS Prevention at Lake Access Sites
  - 3011D. AIS Early Detection and Rapid Response
  - 3011 E. Invasive Species Pilot Control Projects
  - 3011F. Point-intercept Macrophyte Surveys
  - 3011G. Aquatic Invasive Species Management
  - 3011H. Common Carp Management

## Aquatic Invasive Species Comprehensive Prevention & Management Plan (Program 3011)



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Drafted By: Garrett Miller - AIS Program Coordinator  
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## Contact Info

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