

## Friendship Lake 2024 Aquatic Invasive Species Survey Summary

On October 10, 2024, Cason Land & Water Management, LLC conducted an Aquatic Invasive Species survey on Friendship Lake.

During the survey, both Eurasian watermilfoil/hybrid watermilfoil (EWM/HWM) and Curly-leaf pondweed (CLP) were observed as aquatic invasive plants in Friendship Lake. Since EWM and HWM cannot be reliably visually differentiated they are mapped as one during surveys. Also, since CLP had largely senesced (died off) for the year already, only EWM/HWM was mapped at this time. Acreages by density are outlined in the table below:

EWM/HWM Densities	2024 EWM/HWM Acreage
Highly Scattered	0.94 ac
Scattered	4.00 ac
Moderately Dense	6.83 ac
Dense	59.59 ac
<b>Total Acreage:</b>	<b>71.36 ac</b>

During the survey, it was observed that EWM/HWM was present throughout most of Friendship Lake at high densities. A total of **71.36 acres** of EWM/HWM was mapped out in the four density categories that we use. Those density categories included: Highly Scattered (*0.94 ac*), Scattered (*4.00 ac*), Moderately Dense (*6.83 ac*), and Dense (*59.59 ac*).

Based on the amount and density of EWM present and its aggressive growth potential within shallow lakes, a selective aquatic herbicide treatment is certainly warranted. A cost estimate for such a treatment can be developed upon request.

The following deliverables are attached to this survey summary:

- 2024 AIS Meandering Survey Distribution Map

Thank you for your business and for allowing us to perform this service for your district. If you have any questions, please contact me at 920-290-6810 or LancePaden@CasonLandWater.com

Sincerely,  
 Lance Paden

Friendship Lake is located in Adams County, WI



Esri, USGS



Maxar, Microsoft

### Legend

-  Dense EWM
-  Highly Scattered EWM
-  Moderately Dense EWM
-  CLP
-  Scattered EWM

### 2024 AIS Meandering Survey Distribution Map

<b>FIELD DATE(S):</b> 10/10/2024	<b>CLIENT:</b> Friendship Lake District	<b>CITY:</b> Friendship
<b>DRAWN DATE:</b> 10/17/2024	<b>COUNTY:</b> Adams County	<b>STATE:</b> Wisconsin

**Cason**  
LAND & WATER MANAGEMENT, LLC  
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