

Peppermill Lake

2024 Aquatic Invasive Species (EWM/HWM) Survey Summary

On June 25, 2024, Cason Land & Water Management, LLC conducted an Aquatic Invasive Species survey on Peppermill Lake.

During the survey, both Eurasian watermilfoil/hybrid watermilfoil (EWM/HWM) and Curly-leaf pondweed (CLP) were observed as aquatic invasive plants in Peppermill 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 summer 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	3.07 ac
Scattered	10.99 ac
Moderately Dense	5.09 ac
Dense	3.56 ac
Total Acreage:	22.71 ac

During the survey, it was observed that EWM/HWM was present throughout much of Peppermill Lake. A total of **22.71 acres** of EWM/HWM was mapped out in the four density categories that we use. Those categories included: Highly Scattered (3.07 ac), Scattered (10.99 ac), Moderately Dense (5.09 ac), and Dense (3.56 ac). The western half of the lake contained the largest Dense beds of EWM/HWM, whereas the eastern half of the lake had low volumes of this AIS present.

Based on the density of EWM present and its aggressive growth potential within shallow lakes, a selective aquatic herbicide treatment is certainly warranted. At the current level of infestation aquatic harvesters will only continue to spread the EWM/HWM to new locations in the lake via fragmentation. A cost estimate for such a treatment can be developed upon request.

The following deliverables are attached to this survey summary:

- 2024 EWM Survey Distribution Map

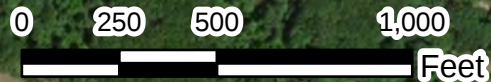
Thank you for your business and for allowing us to perform this service for your district. If you have any questions, please contact me at 920-290-6810 or LancePaden@CasonLandWater.com

Sincerely,
Lance Paden

Location of Peppermill Lake
in Adams County, WI



Esri, USGS



Maxar, Microsoft

Legend

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

2024 EWM Survey Distribution Map

FIELD DATE(S):
6/25/2024

CLIENT:
Peppermill Lake Management District

CITY:
Oxford

DRAWN DATE:
6/26/2024

COUNTY:
Adams County

STATE:
Wisconsin

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MAP NUMBER:

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