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Lake Redstone 2023 Aquatic Invasive Species Survey

On September 27th-28th, 2023, Cason Land & Water Management, LLC conducted an Aquatic Invasive Species survey on Lake Redstone.

During the survey, Eurasian/ Hybrid Watermilfoil (EWM/HWM) was the only aquatic invasive species observed and surveyed. The EWM/HWM acreages by density are outlined in the table below:

| EWM/HWM Densities | 2022 | 2023 |
|---------------------------|----------------|----------------|
| Evvivi/ HVVIVI Delisities | Surveyed Acres | Surveyed Acres |
| Highly Scattered | 8.2 | 9.58 |
| Scattered | 4.3 | 7.56 |
| Moderately Dense | 6.6 | 3.44 |
| Dense | 12.8 | 0.56 |
| Total Acreage: | 31.9 | 21.14 |

During the 2023 survey, the lake was very turbid which was greatly reducing our ability to see EWM/HWM beds. Therefore, the 2023 survey results should be taken with a grain of salt, as it is highly likely that the beds observed during the 2022 survey are still present as well. For this reason, we have included both 2022 and 2023 survey results in the attached maps that were developed from these surveys. Overall, we observed a 10.5 acre decrease in EWM/HWM that was observed during the 2023 survey. The two most abundant categories this year were that of Highly Scattered (9.58 acres) and Scattered (7.56 acres) densities. The Moderately Dense (3.44 acres) and Dense (0.56 acres) categories saw the sharpest declines in acreage which is likely due to the decreased water clarity during the 2023 survey.

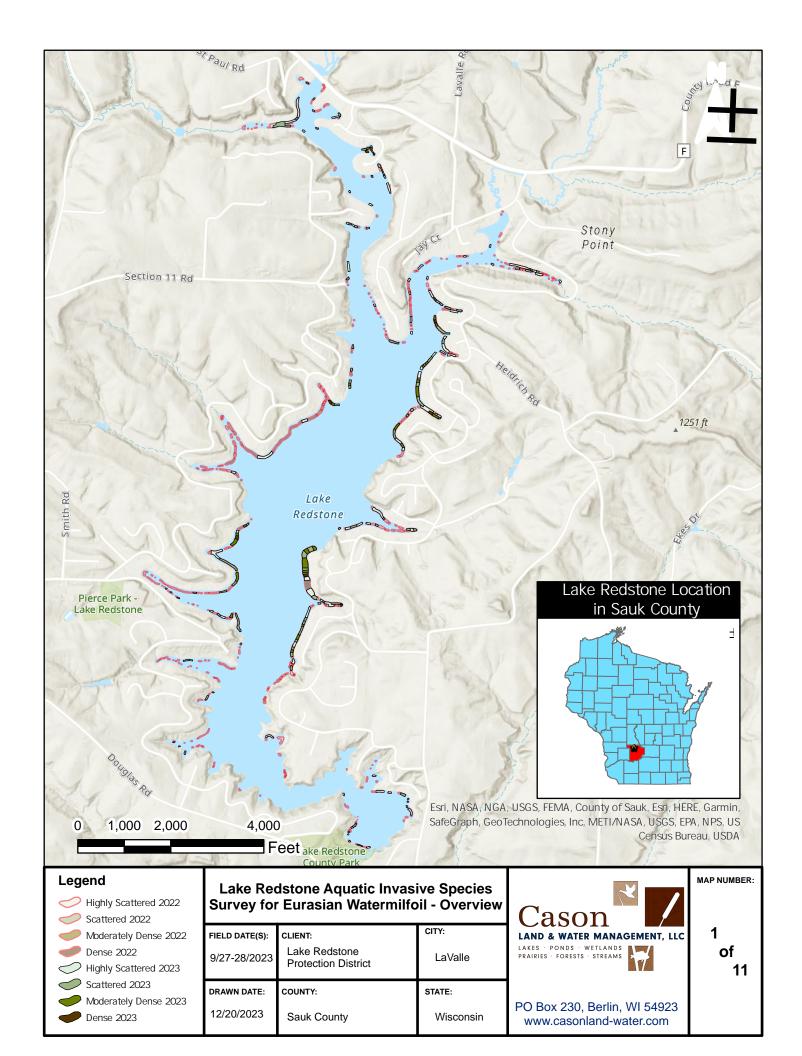
Our recommendation would be to treat all EWM/HWM areas with aquatic herbicide as the recent DASH services in the past years have produced very limited results in EWM/HWM control in the lake. The product ProcellaCOR is rapidly proving to be a very effective tool for EWM/HWM management and has very few water use restrictions as well as a Reduced Risk classification from the EPA which few aquatic herbicides have been granted. All areas identified during this survey are noted in the Aquatic Invasive Species Survey Maps below. A targeted treatment plan to work within a specific budget can be developed and provided upon request.

The following deliverables are attached to this survey summary:

1. Aguatic Invasive Species Survey Maps, with EWM (Maps 1-11)

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

Sincerely, Lance Paden





Highly Scattered 2022 Scattered 2022

Moderately Dense 2022

Dense 2022

Highly Scattered 2023 Scattered 2023

Moderately Dense 2023 Dense 2023

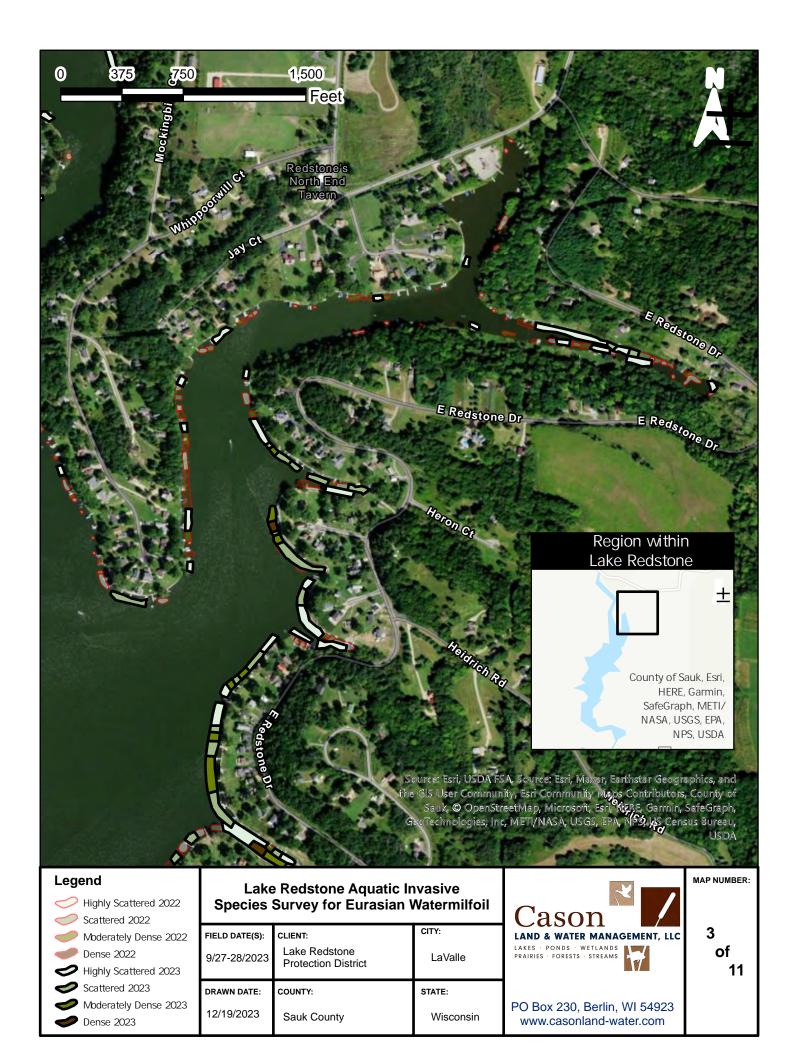
Species Survey for Eurasian Watermilfoil

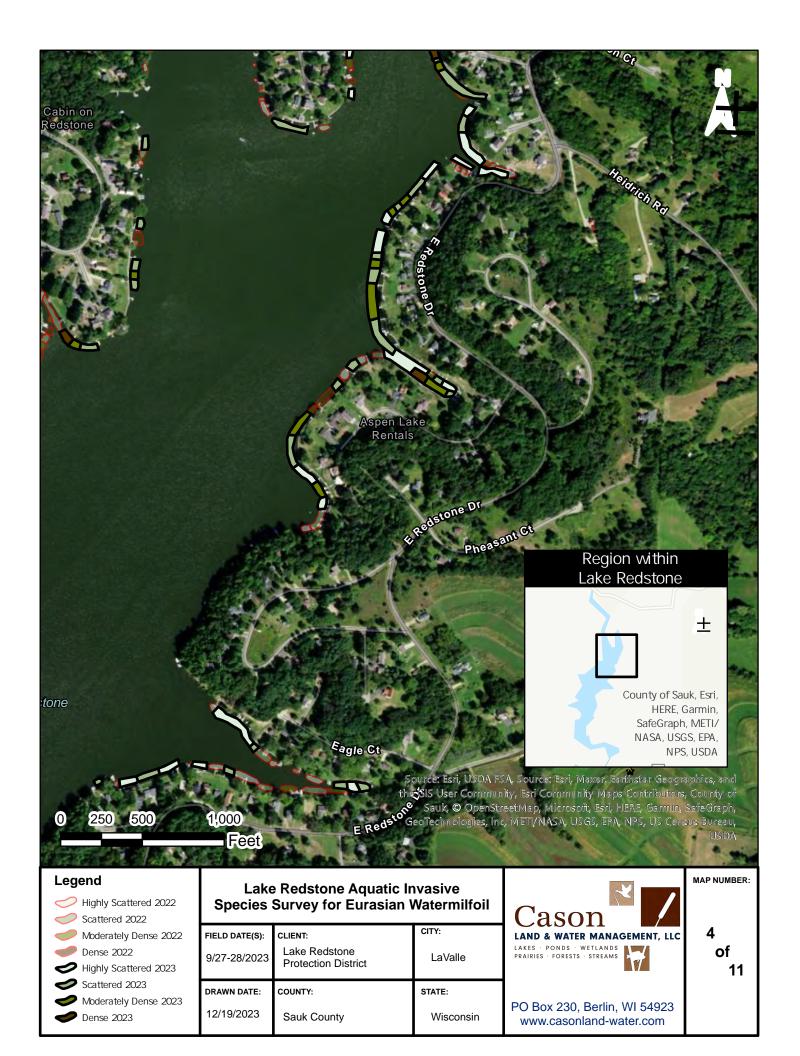
| FIELD DATE(S): | CLIENT: | CITY: |
|----------------|--------------------------------------|-----------|
| 9/27-28/2023 | Lake Redstone Protection District | LaValle |
| DRAWN DATE: | COUNTY: | STATE: |
| 12/19/2023 | Sauk County | Wisconsin |

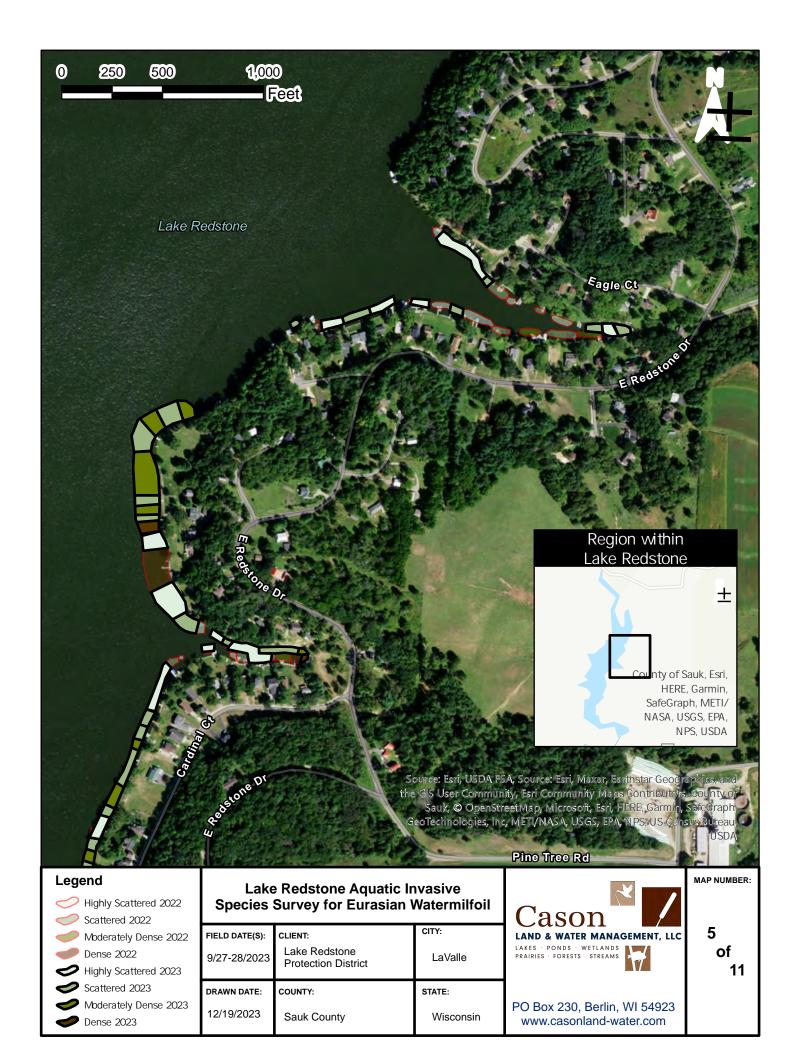


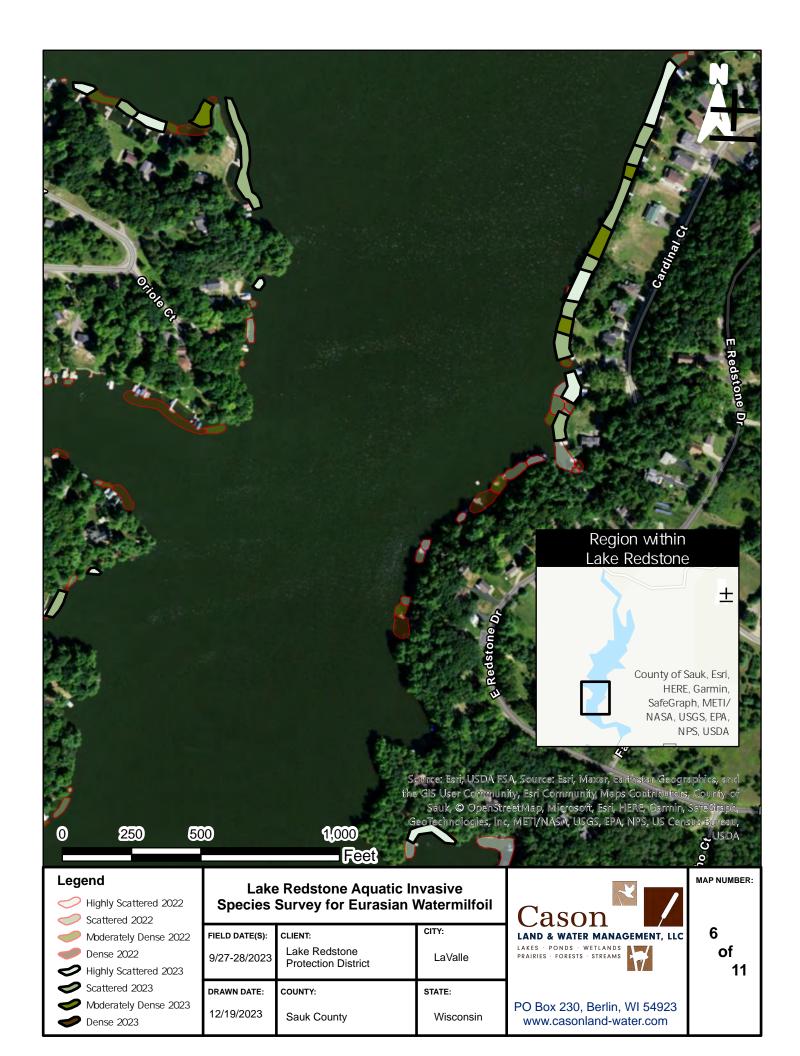
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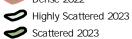






Highly Scattered 2022 Scattered 2022

Moderately Dense 2022 Dense 2022



Dense 2023

Moderately Dense 2023

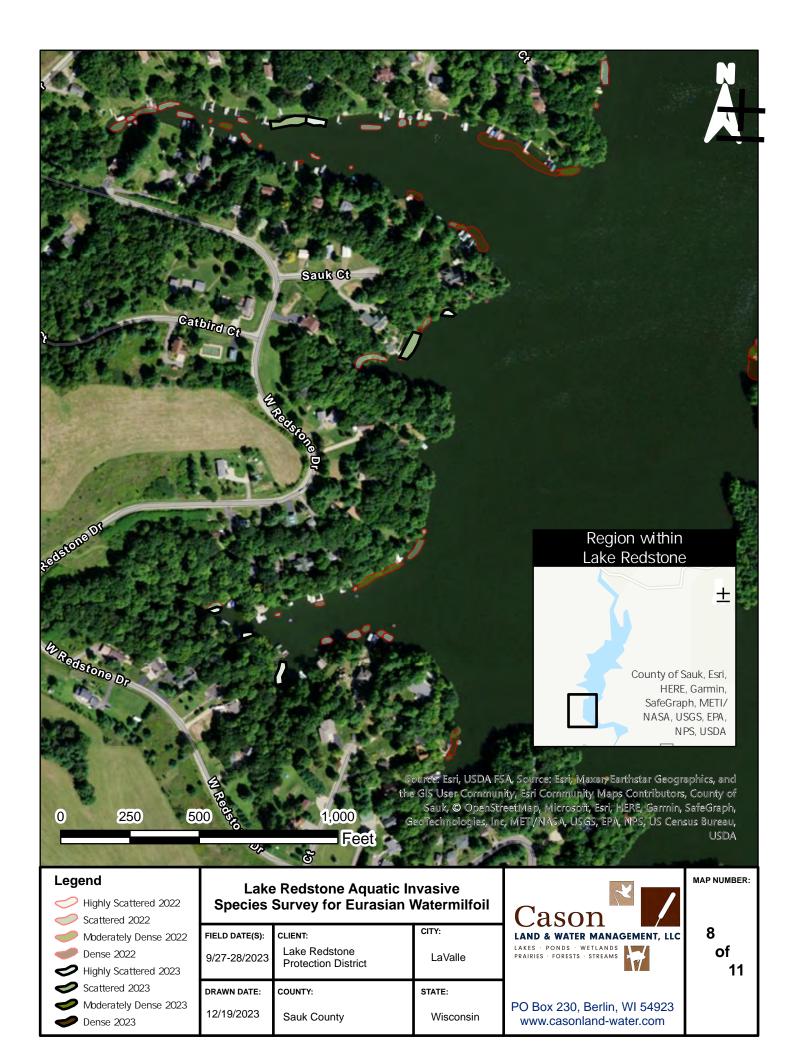
Species Survey for Eurasian Watermilfoil

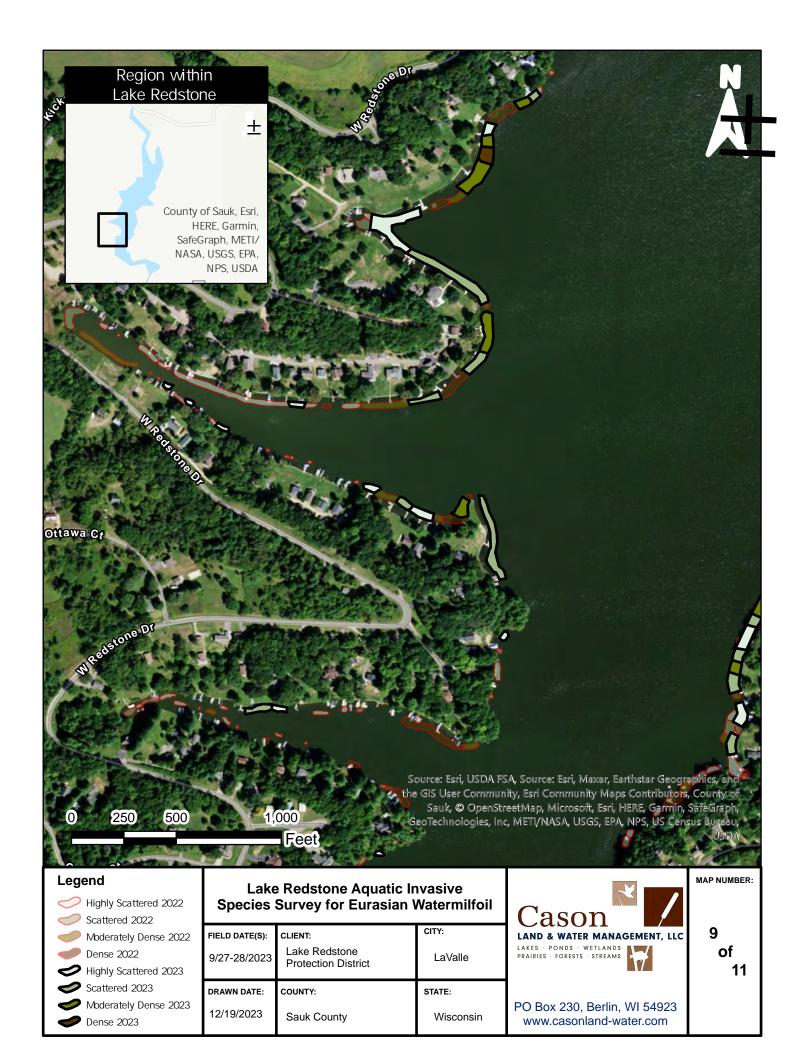
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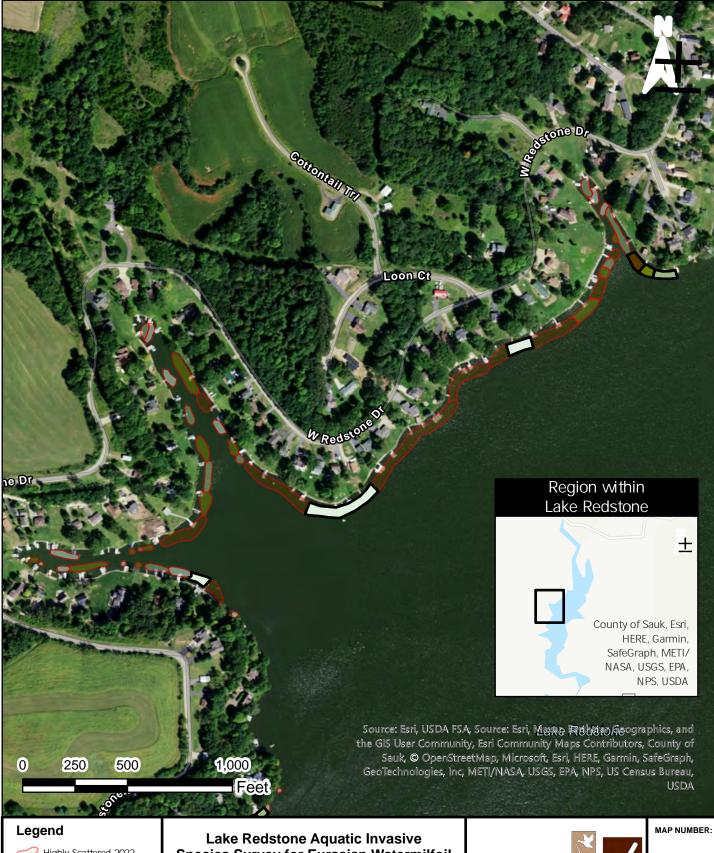


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Highly Scattered 2022 Scattered 2022

Moderately Dense 2022

Dense 2022 Highly Scattered 2023

Scattered 2023 ✓ Moderately Dense 2023

Dense 2023

Species Survey for Eurasian Watermilfoil

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|---|--------------------------------------|-----------|--|
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