



Red Lake EWM Removal Report 2024

PO Box 1134 Minocqua, WI 54548



Red Lake EWM Removal Summary

Dive Background: In August, Aquatic Plant Management LLC (APM) conducted one (1) day of Diver Assisted Suction Harvesting for Eurasian Watermilfoil (EWM) on Red Lake in Douglas County, WI. The team focused their efforts at 3 sites as prioritized by the Red Lake Association. In total APM was able to remove **28.5 cubic feet of EWM** from Red Lake.

Dive Results by Day

| Date | Weather Conditions | Water Temp (F) | Underwater Dive Time (hrs) | AIS Removed (cubic ft) |
|--------------------|--------------------|----------------|----------------------------|------------------------|
| 8/29/2024 | Cloudy | 73 | 5.6 | 28.5 |
| Grand Total | | | 5.6 | 28.5 |

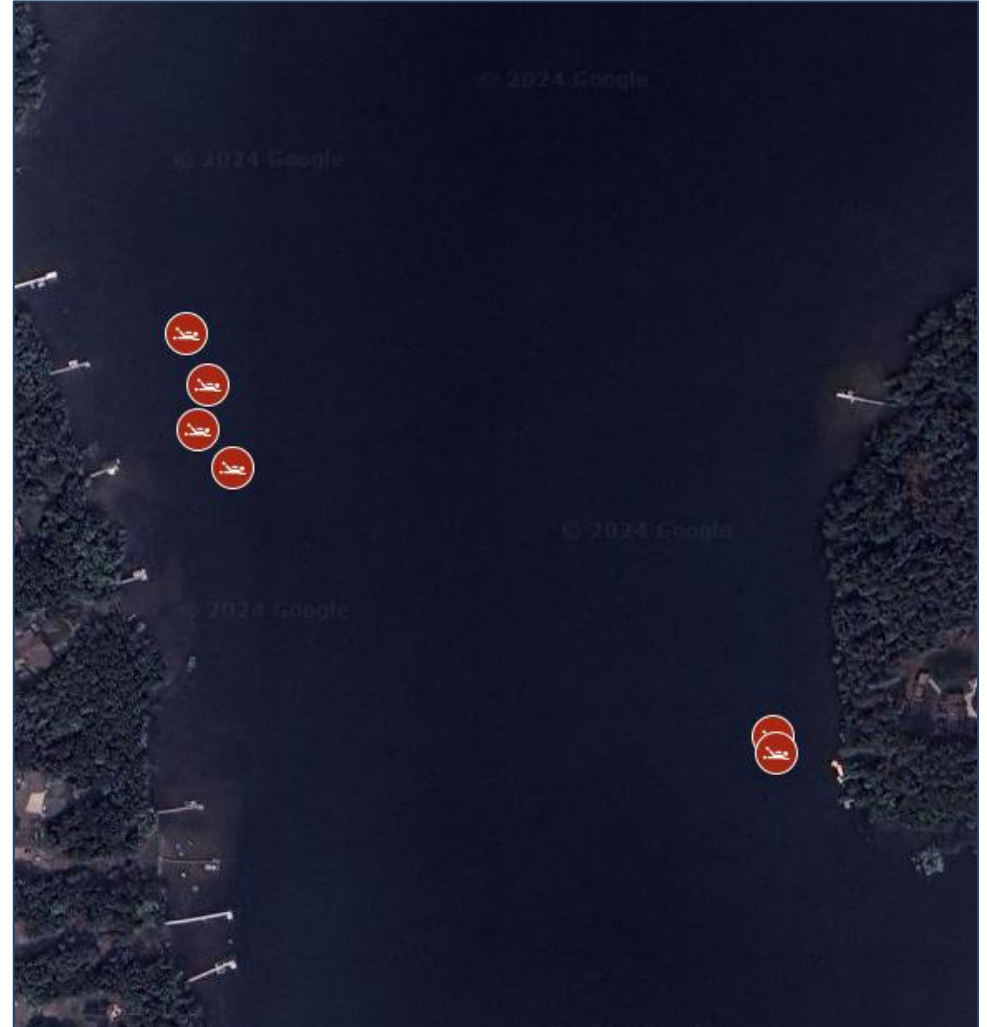


Dive Results by Site

| Dive Location | Avg. Water Depth | # of Dives | Underwater Dive Time | AIS Removed (cubic feet) |
|--------------------|------------------|------------|----------------------|--------------------------|
| Bed 1 | 12.0 | 4 | 3.2 | 15.0 |
| Bed 5 | 6.0 | 1 | 0.3 | 0.5 |
| Bed 6 | 10.0 | 2 | 2.2 | 13.0 |
| Grand Total | 10.6 | 7 | 5.6 | 28.5 |

Dive Highlights and Recommendations: The dive team started at Bed 1 finding small plant colonies of healthy EWM. Per the lake association's request, the team next moved to Bed 6, before returning to Bed 1 and finishing at Bed 5. Overall, Red Lake should continue to take an Integrated Pest Management (IPM) approach and evaluate different strategies to manage the EWM population on the lake. Continued monitoring and management efforts are important to prevent the spread of EWM throughout Red Lake.

Map of Red Lake Dive Sites





Detailed Diving Activities

| Date | Dive Location | Latitude | Longitude | Underwater Dive Time (hrs) | AIS Removed (cubic ft) | AIS Density | Avg Water Depth (ft) | Native Species | Native By-Catch | Substrate Type |
|--------------|---------------|----------|-----------|----------------------------|------------------------|--------------------|----------------------|----------------|-----------------|----------------|
| 8/29/2024 | Bed 1 | 46.17566 | -91.77025 | 0.25 | 0.5 | Clumps | 12.0 | Pondweeds | 0.0 | Organic |
| 8/29/2024 | Bed 1 | 46.17543 | -91.77011 | 1.75 | 12.0 | Small Plant Colony | 12.0 | Pondweeds | 2.5 | Organic |
| 8/29/2024 | Bed 6 | 46.17386 | -91.76646 | 1.00 | 8.5 | Small Plant Colony | 10.0 | Pondweeds | 2.0 | Organic |
| 8/29/2024 | Bed 6 | 46.17378 | -91.76644 | 1.17 | 4.5 | Clumps | 10.0 | Grasses | 2.0 | Organic |
| 8/29/2024 | Bed 1 | 46.17523 | -91.77017 | 0.67 | 2.0 | Scattered | 12.0 | Grasses | 0.5 | Organic |
| 8/29/2024 | Bed 1 | 46.17506 | -91.76995 | 0.50 | 0.5 | Single or Few | 12.0 | Grasses | 0.5 | Organic |
| 8/29/2024 | Bed 5 | 46.17934 | -91.76241 | 0.25 | 0.5 | Clumps | 6.0 | Elodea | 0.5 | Organic |
| Total | 7 | | | 5.59 | 28.5 | | | | | |