



2019 Prevention and Control of Aquatic Invasive Species

Overview

In 2019 the City of Lakeville was awarded funds from the Dakota County Aquatic Invasive Grant (AIS) Program for various AIS activities. The following activities on Lake Marion and Orchard Lake were funded via the grant:

- 1) Watercraft inspections
- 2) Monthly targeted AIS searches
- 3) Treatment of curlyleaf pondweed (CLP) and Eurasian watermilfoil (EWM)



While the City was awarded funds to treat EWM, populations were observed at levels that did not warrant treatment. This finding was significant, because in 2018 EWM was treated using a method said to have a treatment effect lasting 2-3 years.

*Eurasian
Watermilfoil Treated
0 acres
warranted treatment!*

Watercraft Inspection Data

*Total inspections: 4,651
Drain plugs not removed
upon arrival: 19
AIS found upon arrival: 23
Zebra mussels found: 0!*

*Curlyleaf
Pondweed Treated
Marion: 0.75 acres
Orchard: 5.49 acres*

Funding

Grant Funding : \$19,527
City of Lakeville: \$10,687

Project Cost: \$30,214

Practices

- ◆ Watercraft inspections
- ◆ Vegetation and habitat monitoring
- ◆ AIS treatment

Benefits

- ◆ Watercraft decontamination
- ◆ Education and outreach
- ◆ AIS rapid response
- ◆ Promotion of native species through invasive removal

Partners

- ◆ Dakota County
- ◆ Department of Natural Resources

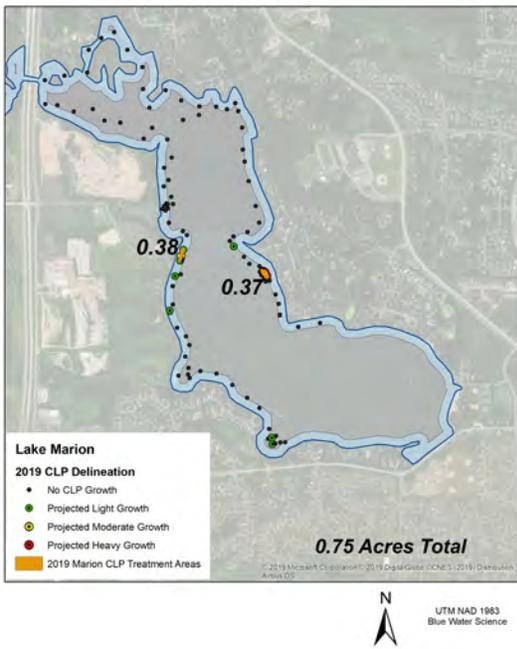
Contractors

- ◆ Blue Water Science
- ◆ PLM Lake and Land Management Corp
- ◆ Waterfront Restorations

Timeline

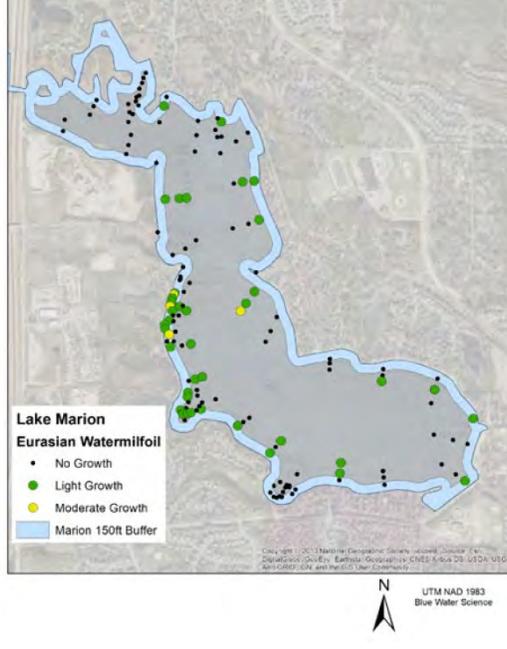
- ◆ Watercraft inspections: May 10—Sept. 2 (Fri-Sun and holidays)
- ◆ Curlyleaf treatments: May 20

Lake Marion Curlyleaf Pondweed Delineation
April 30, 2019



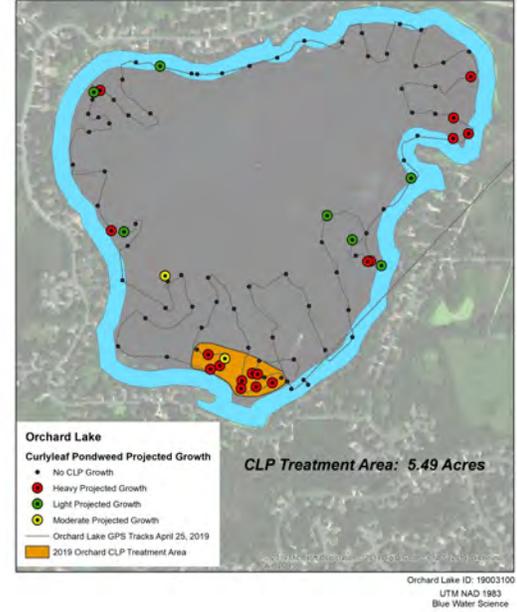
(Above) CLP delineation results on Lake Marion. Treatment areas shown in orange.

Lake Marion Eurasian Watermilfoil Growth
August 5, 2019

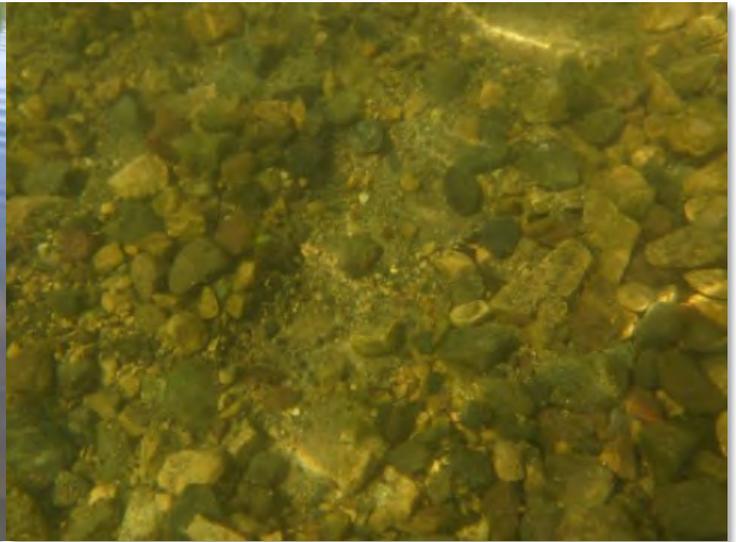


(Above) Lake Marion EWM delineation. Populations did not warrant treatment this year.

Orchard Lake Curlyleaf Pondweed Delineation
April 26, 2019



(Above) CLP delineation results for Orchard Lake. Treated areas shown outlined in orange.



(Above) AIS searches on Marion and Orchard were conducted via snorkeling and diving, focused along public accesses and other points with high amounts of substrate that AIS could settle on.



(Left) A watercraft inspector stationed at Orchard Lake.



(Right) A look at another AIS search site at Orchard Lake.