

## Michigan Hybrid Watermilfoil Project

### **2019 Report for White Lake, Muskegon County**

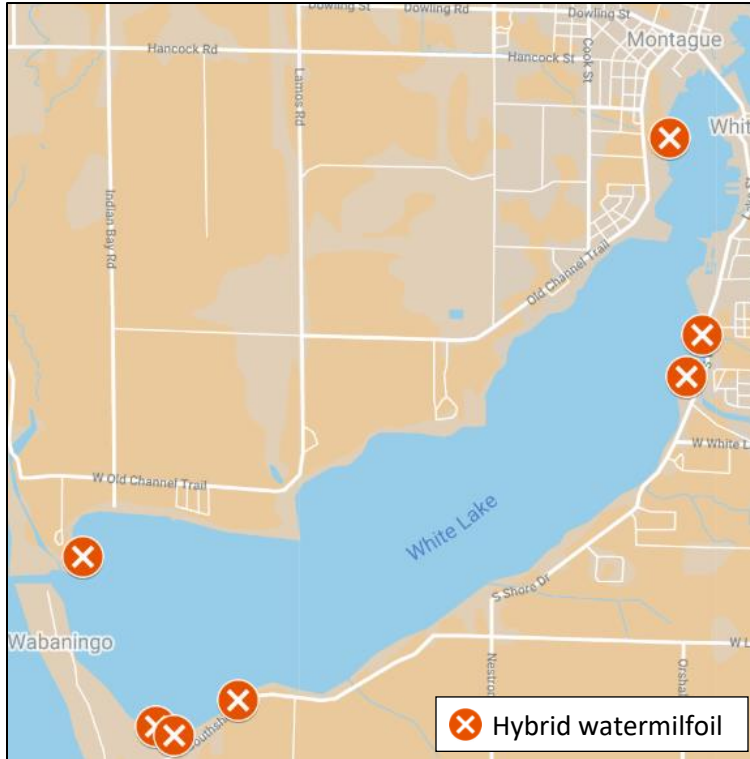
Thank you for participating in this research project! Our goals are to better understand the extent of hybrid watermilfoil in Michigan's inland lakes, and to develop effective management strategies. By collecting and submitting samples from your lake, you have helped us towards those goals. In return, we are providing these genetic analysis results for the samples you submitted.

Below, you will find a table summarizing the genetic analyses, and a map showing the locations and identity of each analyzed sample. Map points may represent multiple occurrences of a species from a single location. Locations of samples that were submitted but not analyzed, or that failed analysis, may not be included.

Hybrid watermilfoil is a cross between invasive Eurasian watermilfoil (*Myriophyllum spicatum*) and native Northern watermilfoil (*M. sibiricum*). In some cases, other native milfoil species were identified, such as variable watermilfoil (*M. heterophyllum*) or whorled watermilfoil (*M. verticillatum*). Some lakes submitted samples that were not watermilfoils at all. Occasionally, genetic analysis failed for unknown reasons; this could mean that the sample was not handled appropriately in the field, or the sample was not a milfoil. To minimize these failed analyses, careful adherence to the sampling protocol is important, including ensuring that only milfoils are submitted for analysis.

#### **2019 Milfoil Genetic Analysis Summary for White Lake, Muskegon County.**

No. of samples analyzed	21
Total Eurasian watermilfoil	0
Total hybrid watermilfoil (Eurasian x Northern)	21
Total Northern watermilfoil	0
Total Variable watermilfoil	0
Total Whorled watermilfoil	0
Total Failed analyses	0



**Map of White Lake, Muskegon County, MI with 2019 milfoil genetic analysis results.**

**To learn more about hybrid watermilfoil, we recommend the following resources.**

About Eurasian and hybrid watermilfoil. Minnesota Aquatic Invasive Species Research Center.  
<https://www.maisrc.umn.edu/about-eurasianwatermilfoil>

State of Michigan’s Status and Strategy for Eurasian Watermilfoil Management. Michigan Department of Environmental Quality, 2018.  
[https://www.michigan.gov/documents/invasives/wrd-ais-ewm-strategy\\_619141\\_7.pdf](https://www.michigan.gov/documents/invasives/wrd-ais-ewm-strategy_619141_7.pdf)

Keeping an eye on hybrid watermilfoils in Michigan inland lakes. Michigan State University Extension, 2014.  
[https://www.canr.msu.edu/news/keeping\\_an\\_eye\\_on\\_hybrid\\_watermilfoils\\_in\\_michigan\\_inland\\_lakes](https://www.canr.msu.edu/news/keeping_an_eye_on_hybrid_watermilfoils_in_michigan_inland_lakes)

This project is funded by the Michigan Invasive Species Grant Program.

[www.michigan.gov/invasives](http://www.michigan.gov/invasives)

