

# Barren's Lake Eurasian Water-Milfoil Hybrid Report, 2013

Florence County Conservation Department

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## Background:

Eurasian water-milfoil hybrid (*Myriophyllum spicatum* var. *muricatum*) was discovered on Barren's Lake in 2012. Manual removal was used as the population was fairly small. The lake was then surveyed in 2013. Eurasian water-milfoil hybrid (EWMH) was found in the lake and hand pulling was again conducted in the spring. Annual water monitoring collection was done on 13 August 2013, and allowed for another EWMH survey (Map 1.).

## Methods:

Florence County Land Conservation personnel surveyed the perimeter of Barren's Lake by kayak. If discovered, EWMH were removed from the lake by hand. Previous hand pulling methods utilized floating burlap sacks and nets to capture any viable fragments.

## Results:

Approximately thirty to forty EWMH were discovered during the survey.

## Discussion:

The small size of the EWMH and their locations near shore indicate this year's growth, after hand pulling. The EWMH likely grew from either fragmentation, roots that were not removed during the spring hand pulling.

## Conclusion:

Eurasian water-milfoil hybrid is present at Barren's Lake. Hand pulling appears to be effective, due to the small population. Continued monitoring and hand pulling should be done during both the spring and fall for at least the next two years. Eradication of Eurasian water-milfoil hybrid from Barren's Lake does seem like a possibility.



Eurasian Water-Milfoil Hybrid  
at Barren's Lake  
by Robert Richard  
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Map 1. An aerial view of the Eurasian water-milfoil hybrid present on Barren's Lake on 13 August 2013. While the area of residence may appear large, the densities were very low, indicating poor reestablishment.

Maps:

Map 1. Eurasian Water-Milfoil Hybrid at Barren's Lake. 14 August 2013. Scale undetermined.  
Robert Richard; "using Google Earth". 25 July 2010.