

Big Stone Lake

Page 1: Purple Loosestrife Control of
July 21st, 2017



Land & Water Conservation Department

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Big Stone Lake Purple Loosestrife Control Report

WBIC: 1612200
AIS in Waterbody: Banded Mystery Snail, Chinese Mystery Snail, Purple Loosestrife, Rusty Crawfish
Field Date: July 21st, 2017
Field Crew: Aubrey Nycz, AIS Project Leader and Thomas Boisvert, AIS Project Assistant, Oneida County Land and Water Conservation Department
Report by: Thomas Boisvert

On July 21st, 2017, Aubrey Nycz, AIS Project Leader, and Thomas Boisvert, AIS Project Assistant, headed to Big Stone Lake to implement Purple Loosestrife (P.L.) control. The main duties the Oneida County team performs while implementing P.L. control is to clip flowering plants, introduce beetles, mark the entire affected area with GPS programming, and look at the surrounding areas for spreading plants.

This particular P.L. site was along the southeastern shoreline of Big Stone Lake, and was in a shallow bay. These patches of P.L. could be clearly seen along this shoreline, and it appeared to be several years' worth of growth. Oneida County was first notified of this patch in 2016, and at the time, there was not enough staff availability to look at the area. This year however, a community member documented the site with pictures for us to look into it. The growth of P.L. in the area seemed heavy, and it was determined that the site should be pursued for visitation in the 2018 summer.

Once at the site, Aubrey and Tom clipped visible flowers, introduced beetles at various locations, marked the entire area with a GPS unit, and looked at the surrounding area for spreading plants. Each particular area where the beetles were introduced was also marked on the GPS unit as well. This information can be found on Oneida County's GIS program.

Findings:

Aquatic Invasive Species:

The patches of P.L. on Big Stone Lake appeared to exhibit several years' worth of growth, and should be considered for 2018 visitation.



Figure 1. Map of the area affected by Purple Loosestrife identified by a purple line.



Figure 2. Map of Oneida County, WI with Big Stone Lake's approximate location circled in red.