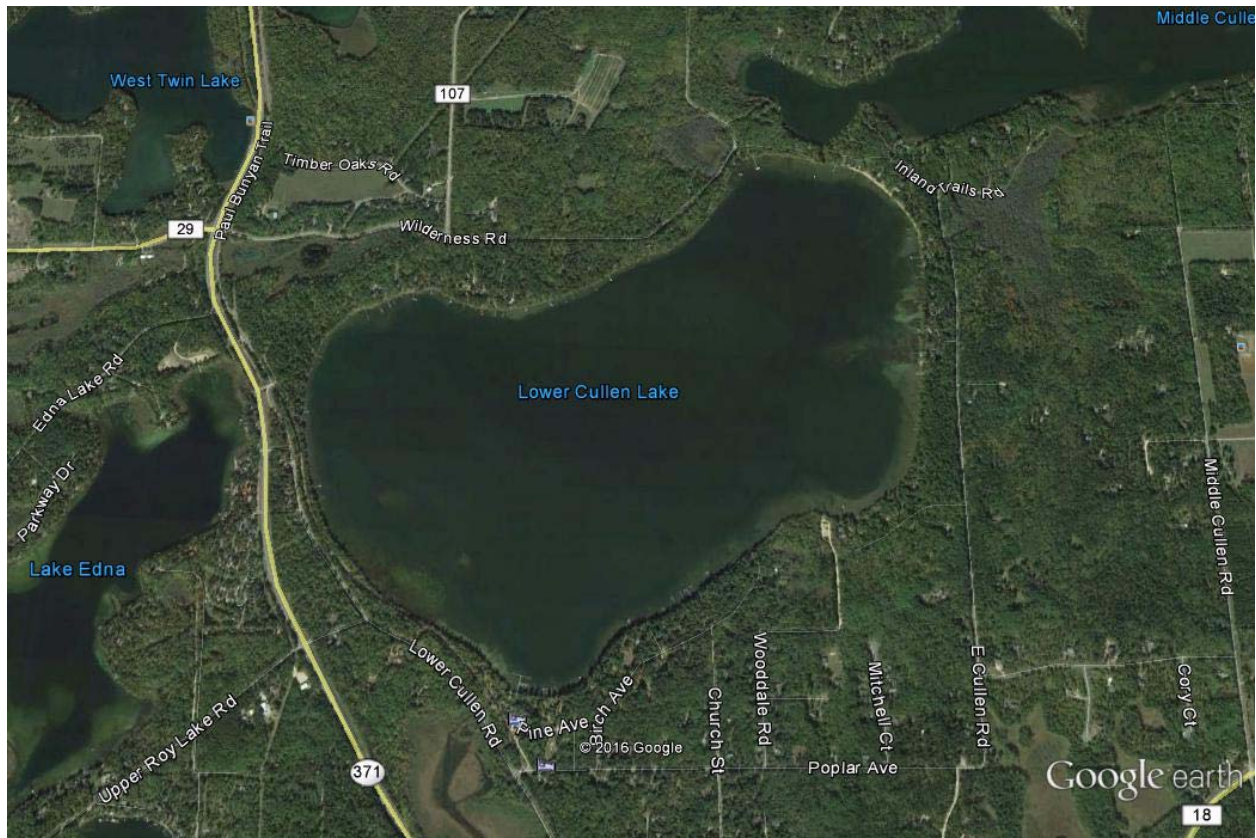


2016 CURLY LEAF PONDWEED ASSESSMENT Lower Cullen Lake, Crow Wing County, Minnesota

Mid-Season Assessment



Submitted by:



Submitted to:
Cullen Lakes Association

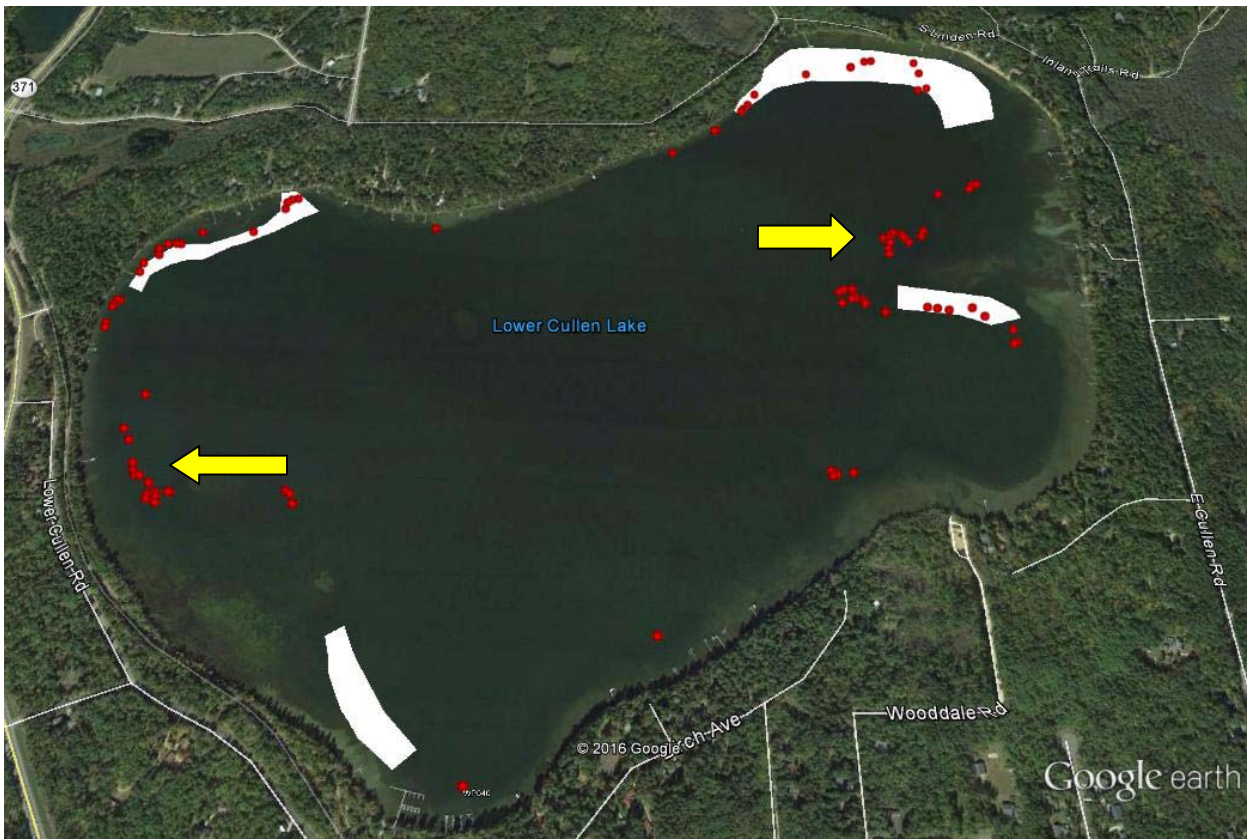
July 5, 2016

Survey Information:

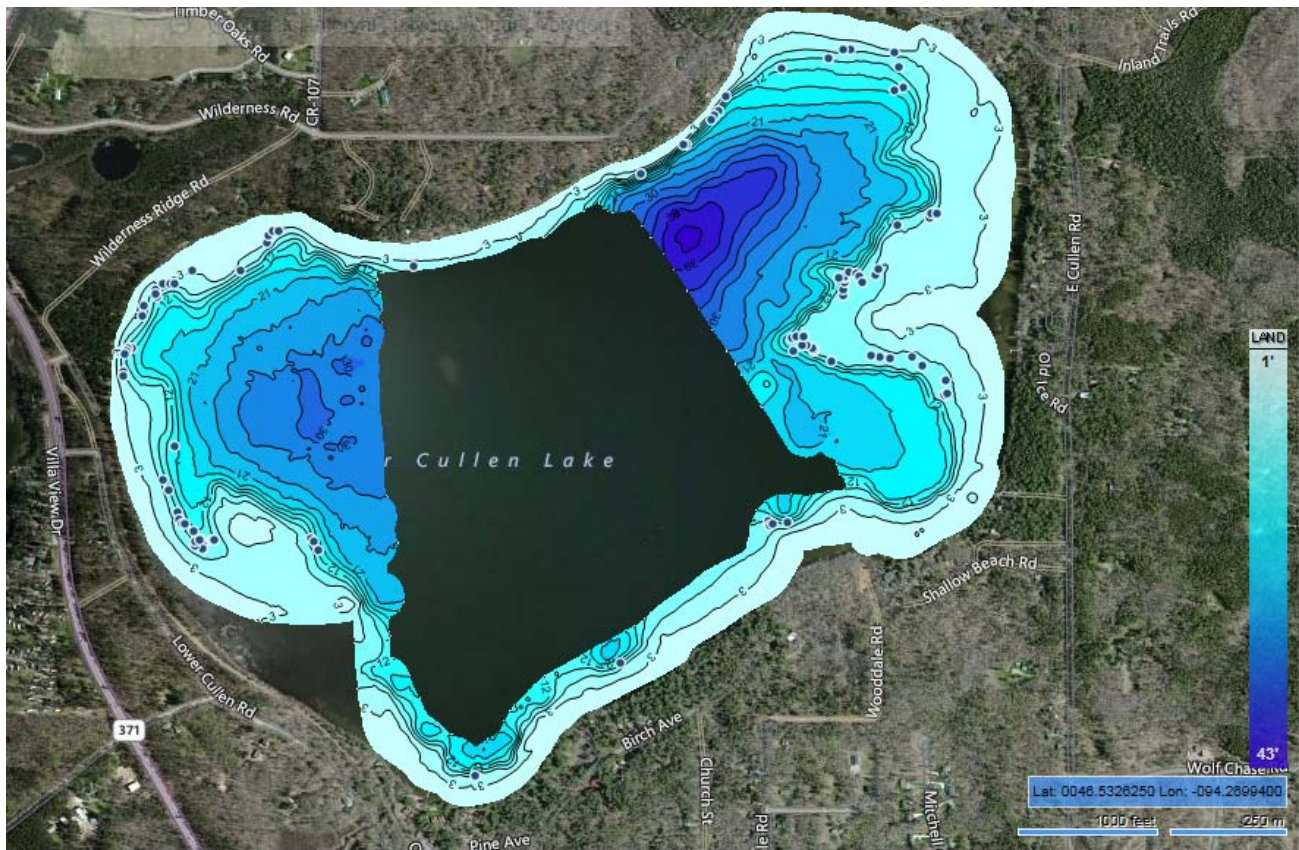
Clarke performed a Curly Leaf Pondweed Survey on Lower Cullen Lake on June 8th. The purpose of this survey was to assess the treatment areas and the rest of the lake to see densities of Curly Leaf Pondweed when it was at the peak of its life cycle. This also will show areas to focus our surveying on for 2017 and use as potential treatment areas for 2017.

During the survey Clarke found 96 points with Curly Leaf Pondweed. These points vary from finding one plant to more than ten plants. Below is a map with the 2016 treatment areas in white and the CLP points found in red. As you can see much of the CLP found in the survey was just outside the 2016 treatment areas. The Curly Leaf Pondweed found inside 2016 treatment areas were very immature plants. Most likely these were plants that did not start growing until after the 2016 treatment. There were some new areas with high densities of Curly Leaf Pondweed that were found during the survey. The two areas that were concerning are marked with the arrows. These areas we saw pretty high densities of CLP and should be assessed again in the spring to see if they should be considered for treatment in 2017.

June 8th Survey



June 8th Survey w/ contours



June 8th Survey Pictures

CLP north of treatment area out from access



Immature CLP



Inside Treatment Area near channel to Middle Cullen



CLP found on west end of the lake



CLP found on west end of the lake



CLP found on west end of the lake



CLP found just left of access

