

## LAKESCAN™ ASSESSMENT AND MANAGEMENT RECOMMENDATIONS OF AQUATIC VEGETATION AND ABUNDANCE OF STARRY STONEWORT GULL LAKE, RICHLAND, MICHIGAN



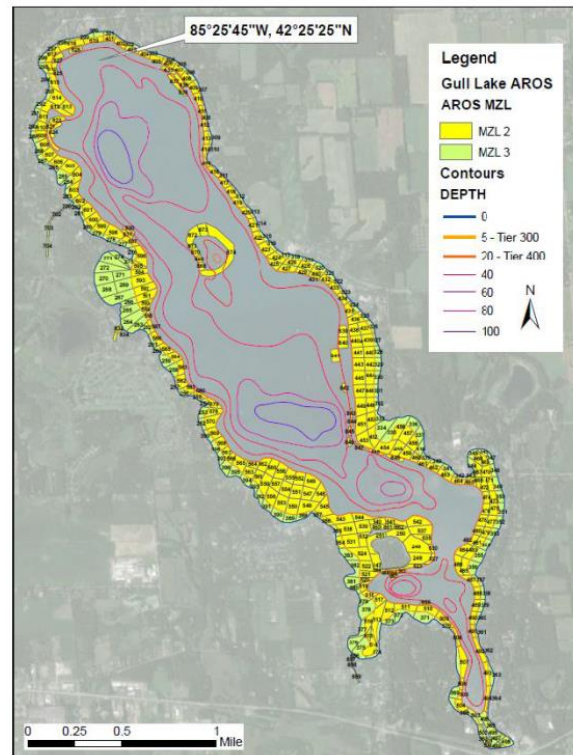
In August of 2015, Kieser & Associates, LLC (K&A) conducted an aquatic vegetation survey to provide management recommendations for the Gull Lake Quality Organization (GLQO). Gull Lake is a 2,030-acre oligotrophic lake in southwest Michigan. The GLQO had confirmed the presence of the invasive species, starry stonewort (*Nitellopsis obtusa*) in Gull Lake in 2014 and was interested in determining the distribution of this species. The comprehensive vegetation survey provided the necessary information to support future management decisions including future monitoring and potential control needs for this species in consideration of other plant communities present in the lake.

K&A worked in conjunction with Dr. Douglas Pullman of Aquest Corporation to conduct the following efforts to evaluate the aquatic vegetation community present in Gull Lake.

- A one-time extensive aquatic vegetation survey using LakeScan™ survey techniques which collected the following data: species present, location, density, height in water column and distribution.
- The collected data were mapped to show locations within Gull Lake.

- The aquatic vegetation survey data were evaluated using LakeScan™ analytics and management recommendations were made.

K&A is one of only three providers of LakeScan™, offered exclusively through Aquest.



Based on the LakeScan™ survey data and consultation with K&A, the GLQO was able to locate and target treatments to impact starry stonewort and minimize effects on native aquatic plant species.

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Project Costs:  
\$6,000

Project Duration:  
2015