

## 2011 Water Quality Report

1. We will continue testing the water with RMB Environmental Laboratories, Inc. via the Crow Wing SWCD (Soil and Water Conservation District).
2. Latest water sample was taken on May 22, 2011, with a Secchi reading of 7.5 ft.
3. Last year's results can be viewed in detail by going on line to [www.rmbel.info](http://www.rmbel.info).
4. Summary data of last year's reports:
  - Total Phosphorus: Within expected range
  - Chlorophyll-a: Above expected range
  - Secchi Depth: Below expected range
5. We contracted with PLM (Professional Lake Management) to treat curly leaf pondweed. They treat with Aquathol K. and depending on the size and location of the weed bed, the rate of application ranges from .5 to 1.5 ppm. This is within the guidelines as set forth by the DNR. The treatments will take place on May 31st, 2011. The markers will be on the lake for two weeks and then will be removed. An assessment of the treatments will be made at that time.
6. The acreage treated this year will be between 20 and 25 acres, which is an increase from 14.5 acres, treated last year.
7. On April 25<sup>th</sup> we contracted with A. W. Research Laboratories to obtain aerial detection of curly leaf, which will more accurately define the locations. They will work in tandem with PLM as to where to apply the chemicals. The flyover took place on May 25<sup>th</sup> (last Wednesday). The aerial data is also intended to give the newly established LID a benchmark of lake conditions going forward. This will also include a TSI overflight (Trophic Status Index), which will be scheduled for late summer. As a bonus, this overflight will also include an aerial photo of our lake in natural color and will be available for all members to purchase. This is a LID funded project.

### Things to do this summer:

- Install a buffer to prevent rain run-off from reaching the lake. They are proving to be more and more successful in controlling unwanted nutrients from reaching the lake. Not all lots can accommodate a buffer, but most can. Please consider installing a buffer if your lake-lot permits.
- Make sure your septic system is in compliance with county regulations and in good working order (no contaminants reaching the lake). Consider replacing or up-grading an old out-dated system.
- Remember to always rake up any weeds that may wash up on your shore and dispose of them properly as soon as you can.

If we can all do these three things, over time, we can increase the clarity of the water and we will have a healthier lake.

My thanks to committee members Joe Patton, Ron Kossila, Gary Hopping and Jon Trosvig for their valuable support throughout the year.

Respectfully submitted,

Daniel J. Martonik, Committee Chair