

FINAL PROJECT REPORT
LAKE ASSOCIATION OF LONG LAKE
Project No. LPL-1284-09
Project No. LPL-1285-09

In April of 2009 the Lake Association of Long Lake received two lake management planning grants from the Wisconsin Department of Natural Resources. The Association completed these projects in July of 2010. The following is the final report for these two projects.

Water quality sampling by White Water Associates took place in May, June, July, and August of 2009. The samples were analyzed by the State Laboratory of Hygiene. A sediment sample was also taken. Results were entered into the State database and sent to Kevin Gauthier, Sr. of WDNR.

The Association performed education and outreach on lake management planning, aquatic invasive species, shoreline restoration, and public land trust issues. This was performed at a lake fair in June of 2009. The Association also constructed an educational kiosk at the boat landing.

The Association also had a habitat assessment performed by Paul Regnier. The assessment used birds and amphibians as areas of study. Wetland and upland plants were also inventoried for this assessment. The complete assessment was supplied to Kevin Gauthier of WDNR in electronic and paper format. The assessment was instrumental in steering the Association's decision to set a goal of protecting the two inlet areas, Coldwater Creek, and the spring ponds. It was Regnier's opinion that these two areas have outstanding habitat and are biochemically important to the lake. There was also survey work done on parts of the shoreline that are in need of restoration.

The Association also worked cooperatively with the Florence County Land Conservation department in the management of purple loosestrife. Association volunteers accompanied the Aquatic Invasive Species Coordinator from the county to survey the location of the loosestrife and release beetles as a management tool. Also, in September of 2009, the AIS coordinator and several volunteers performed water quality testing for pH, temperature, dissolved oxygen, and solids. This data was entered into the SWIMS database.

The Association had a point intercept survey performed by Scott VanEggen. Several Association members assisted in the survey. This survey was performed in August of 2009, and results were sent to Kevin Gauthier Sr. of WDNR.

The Association also coordinates with the county on the Clean Boats / Clean Waters program. The Association hosted a CBCW training in May of 2010, and performed boat inspections and handed out educational materials in July of 2009 and again in July of 2010. The data from these inspections were entered into the state CBCW database.

White Water Associates also performed watershed delineation mapping for the lake. This mapping was forwarded to Kevin Gauthier, Sr. of WDNR.

The fisheries management department of WDNR was coordinated with to receive the most recent fishery inventory study for Long Lake. Copies of the study were distributed at the lake fair.

In cooperation with the county, Association volunteers also performed dissolved oxygen readings through the ice at the designated location (Deep Hole). These measurements were taken roughly every other week during the winter months of 2009 and 2010. These readings were used to judge the effectiveness of the aeration program.

Overall, this first year of data collection was instrumental in guiding decisions for the Association's lake management planning process. The Association has applied for funding to now actually draft the plan. The Association formed a planning committee in December of 2009. It will be this committee that coordinates with the contractor (White Water Associates) on the drafting of the plan. This committee will also be responsible for performing outreach about the plan to the public.

The following is a list of all the data and studies that have been turned in to the WDNR:

- Water quality data from White Water and SLOH.
- Water quality data from sampling with county entered on SWIMS
- Habitat assessment from Paul Regnier
- Point intercept survey data
- Watershed delineation mapping from White Water
- CBCW data entered into database
- Dissolved oxygen readings performed in winter

The Association fulfilled its donated labor obligation in July 2010.