



## Archibald Lake Association Accomplishments

The following is a summary of the Archibald Lake Association (ALA) accomplishments. These were taken from Association archives so we apologize in advance if we missed anything. Please notify us if you see something that you think should be added or corrected.

Over the many years in existence, ALA has received \$221,160 from the Wisconsin DNR (WDNR), US Forest Service, Oconto County Healthy Waters, and Oconto County Lakes and Waterways Association (OCLAWA) to help fund our projects. These funds were applied to our 2000 Lake Management Plan, 2003 Hydrology/Septic Evaluation, 2005 Lake Management Plan, 2008 Tree Drops, 2009 Eurasian Water Milfoil (EWM) Rapid Response Treatment, 2010 Flowering Rush (FR) Research, 2014 Continuing EWM Treatment, 2021 Lake Curtain Trials and 2023 Lake Management/Surface Water/EWM Management. **These funds, along with our membership dues/donations/fund raisers AND thousands of hours of volunteer time all help to keep Archibald Lake one of the premier lakes in NE Wisconsin.**

- 1959 – 1998 – Volunteers built/installed **49 fish cribs** to improve/protect fishery. Diverse fish populations are a critical part of the lake ecosystem.
- 1984 – Present-- Monthly **water quality data collection** for WDNR to monitor lake health.
- 1996 – First publication of a **lake association newsletter**: the Archie Times.
- 1997 – WDNR designated 21-acres as **Environmentally Sensitive Area** on north end of east lake.
- 2000 - present – Became a member of Oconto County Lakes and Waterways Association.
- 2005 – With consulting firm, members developed first **Comprehensive Lake Management Plan**. Plan provided vision/plan for the future of Archibald Lake management.
- 2005 – Developed a **Clean Boats/Clean Waters (CB/CW) program** with the goal to educate boaters and inspect for invasive species before they enter the lake. One example: 2013 - members spent 175 hours, inspecting 183 boats and talked to 341 people.
- 2007 - **Shoreline Restoration initiative**: An Association member financed a grant to encourage members to work with Oconto County to restore individual shorelines.
- 2008 – Based on a WDNR fish survey, ALA completed four major lake ecosystem improvement projects. 1) **Placing approximately 115 tree drops at 54 locations** around the lake to improve fish survival rates 2) Installing a **460-foot rock reef for fish spawning**, 3) **Planted 312, 8–12 inch walleyes** in early October, and 4) The **WDNR planted 416 muskies**. Total cost to the Association was \$13,100 and over 100 hours of labor. Received \$5,000 grant from US Fish and Wildlife and many hours of forest service and WDNR labor.
- 2009 - **Applied for/received \$20,000 WDNR Rapid Response grant for Eurasian watermilfoil (EWM) management**. This money funded our efforts through 2013.
- 2010 – A member's business built a **sponsor funded website** for membership communications.
- 2010 – Members wrote first **Comprehensive Aquatic Plant Management (APM) Plan** for Archibald Lake. Plan is the vision/plan for the future based on Aquatic Invasive Species (AIS) found and threats in Wisconsin lakes.
- 2010 – **Started Adopt-a-Shoreline program** to find invasives before they become significant.
- 2010 - **Applied for/received \$40,000 WDNR grant for flowering rush research and management**. This money funded our efforts through 2015. Flowering rush is another invasive plant.

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### Archibald Lake Accomplishments (continued)

- 2011/2012 – **WDNR completed a comprehensive fish survey.** The results guide our continued fishery improvement efforts. A healthy fishery is one indicator of a healthy lake.
- 2011: **Chemically treated 2 flowering rush** areas as part of DNR Trial. Chemical treatment was applied in two areas with 2 different chemicals.
- 2013 – Featured as October's **Lake of the Month** by the Wisconsin Department of Natural Resources.
- 2013-2016 **Expanded flowering rush** treatment areas.
- 2013 - The DNR **planted 300 Great Lakes Spotted Musky.**
- 2014 – **Applied for and received a second 3-year DNR Grant for EWM management.**
- 2014 – **WDNR/Association members** planted 5,800 6-8 inch walleye fingerlings.
- 2015 - **Received Lake Stewardship Award for Lake of the Year by Wisconsin Association of Lakes.**
- 2015 – Received grant to update **10- year Comprehensive Lake Management Plan.**
- 2015 - **Membership increase** from 120 in 2004 to 156 in 2015. This means that many more lake property owners have gotten involved in helping to guide the lake management.
- 2016: **End of Flowering Rush (FR) research grant.** Received approval for final herbicide treatment. Significant reduction found in FR infestations in the treated areas.
- 2016: **Early lake summer survey:** EWM was found in 6 locations and manually removed. Manually removed others that were discovered over the summer.
  - The fall survey found only two EWM locations.
  - Phragmites: Last fall's treatment was successful! The August survey found six more locations.
  - In 11 years, CBCW volunteers have accumulated 2,080 hours. Donated labor is counted toward grants at \$12 per hour, totals \$24,960. This is money saved by the Association.
- 2017: **June survey** found one EWM location; a few others were found by members.
- 2017: Final **Flowering Rush report** presented. The information gathered helped both ALA and WDNR learn to fight this invasive plant. Only a few lakes in Wis. have FR.
- 2018: Completed **Comprehensive Lake Management Plan.**
  - **EWM found to have expanded.** Started Diver Assisted Suction Harvesting (DASH) removal.
- 2019: Contracted with a company **DASH** (Diver suction) removal of EWM
- 2020: Spring: **EWM Chemical treatment** was applied in bay near boat landing using **custom-built barrier curtains**. Results were very successful.
- 2021: Spring: **barrier curtains** were employed in three areas for EWM treatment. Treatment was **not as successful** due to bad weather and delayed treatment.
  - **Zebra mussels discovered** – currently, no known way to get rid of zebra mussels.
- 2021: Grant Award of \$13,292.00 from the WDNR Surface Water Program for **Aquatic Invasive Species (AIS) Control**, (EWM control specifically)
- 2022: **Barrier curtains** were used in north side of the lake; adjustments were made from 2021.
  - **ProcellaCOR** was used in the west bay, 2,4-D in another area for comparison.
  - Received **WDNR grant for APM Plan.**
- 2023: Spring: EWM - two areas in east lobe were treated using **ProcellaCOR without a curtain which was successful**; one area was treated with a curtain and 2,4-D.
  - Updated **APM Plan** developed
  - **Grants received:** - \$46,194; WDNR EWM management, Oconto County Healthy Waters, and OCLAWA.



## ***Archibald Lake Association***

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- **ADA Compliant dock/pier** installed at the landing.
- 2024: Grant Award of \$44,778.75 from a WDNR **AIS Control Grant**. In the summer of 2024 ALA replicated the same treatment procedures as in 2023, only in new locations.
- Oconto County and OCLAWA have been very supportive of our lake management efforts. In years when we receive WDNR grant assistance, we qualify for 10% project reimbursement from the county. In years without WDNR assistance the county pays up to 50% of expenditures, (as in 2022).

**THANK YOU TO ALL PAST AND PRESENT MEMBERS FOR ALL THAT YOU DO!**