

Appendix A: 2019-24 Poskin Lake Aquatic Plant Management: Goals, Objectives, and Actions

1) Goal 1 – Prevent the expansion of curly-leaf pondweed in Poskin Lake.

- a) Objective 1 – Document changes in CLP distribution and density in Poskin Lake.
 - (1) Action – PLA volunteers will complete CLP bedmapping in mid to late June each year to compare annual changes.
 - (2) Action – The PLA will hire a specialist to complete a cold-water, CLP, point-intercept survey in 2023 and compare to results from the 2018 survey.
- b) Objective 2 – Reduce the current (2018) distribution and density of CLP in Poskin Lake to the point where there are no beds >1 acre in size with a rakehead density of 3.
 - (1) Action – The PLA and individual property owners will complete small-scale, manual removal of CLP in nearshore areas.
 - (2) Action The PLA will implement a 3-yr chemical treatment plan that in areas that meet or exceed the conditions below.
 - (a) Conditions:
 - (i) Areas must be ≥ 1 acre in size
 - (ii) Areas must have an average rake head density of 3
 - (iii) The above conditions must persist for two or more consecutive years.
 - (iv) Areas surveyed by volunteers that meet conditions above will be re-surveyed by a professional plant surveyor prior to the submission of a chemical application permit.
 - (v) Pre- and post-treatment aquatic plant survey work and herbicide concentration/dispersion monitoring will be completed as instructed by the WDNR.
 - (3) Action- As an alternative to chemical management of CLP, the PLA may implement a small-scale harvesting plan to remove dense beds of CLP of any size under the following conditions.
 - (a) Conditions:
 - (i) Contracted harvesting is already being considered /implemented for later season nuisance and navigation relief and CLP harvesting would be an extension of this, or
 - (ii) The PLA owns and operates its own harvesting equipment (large or small-scale), and/or
 - (iii) Chemical application is either not appropriate, or not allowed

2) Goal 2 – Reduce navigation and Nuisance impairments caused by Dense growth Native Aquatic Vegetation.

- a) Objective 1 – Increase usability of the lake while minimizing damage to the native ecosystem.
 - (1) Action- When conditions below are met, apply for a native plant harvesting permit to maintain 20-ft navigation lanes in the lake
 - (a) Conditions:
 - (i) Lanes will have native plant densities that cause moderate or severe navigation impediment as determined by a professional aquatic plant surveyor.
 - (ii) Wild rice is not impacted
 - (iii) Harvesting is limited to water 3-ft or deeper

- (iv) Cutting depth will be no deeper than 2/3 of the water column
- (v) Dump sites for harvested plants must be identified and approved by the WDNR before any harvesting can be completed.

3) Goal 3 – Maintain or improve current (2018) measurements of the health of the native aquatic plant community in Poskin Lake.

- a) Objective 1 – Compare measurements of the health of the native aquatic plant community in Poskin Lake prior to and after a multi-year Aquatic Plant management project.
 - (1) Action – The PLA will hire a specialist to complete a summer, whole-lake, littoral zone, point-Intercept Survey in 2023 and compare results to previous whole-lake, point-intercept survey results in 2018.
 - (2) Action- The PLA will monitor and map known wild rice populations annually and survey the entire shoreline/littoral area for wild rice in 2020, 2022, and 2024.

4) Goal 4- Monitor changes in water quality.

- a) Objective 1- Maintain or improve measurements of water quality in Poskin Lake including Secchi, temperature, dissolved oxygen, total phosphorus, and chlorophyll a.
 - (1) Action- The PLA will continue to participate in the expanded level of the Citizen Lake Monitoring Network (CLMN).

5) Goal 5 – Reduce the threat that new aquatic invasive species will be introduced into and go undetected in Poskin Lake.

- a) Objective 1 – Complete watercraft inspection time annually and maintain applicable AIS signage at the two Poskin Lake boat landings to educate boaters and other lake users about AIS and how they are transferred from lake to lake.
 - (1) Action – The PLA will implement a Clean Boats, Clean Waters program annually with a goal of up to 200 hours or more between the two landings.
 - (2) Action – The PLA will inspect, maintain and/or improve AIS signage at all landings annually.
- b) Objective 2 – Locate and identify any new AIS that may be introduced to Poskin Lake as early as possible.
 - (1) Action – The PLA will implement an AIS Monitoring Program annually following guidelines provided by the Citizen Lake Monitoring Network.
- c) Objective 3 – Increase opportunities for the PLA constituency, property owners, visitors, and other lake users to be made aware of and learn about AIS.
 - (1) Action – The PLA will annually distribute AIS education and identification materials to PLA constituency via newsletters, with social media outlets, at local businesses and during meetings and other events attended by PLA members.
 - (2) Action – The PLA will plan and implement at least one event/opportunity annually for the PLA constituency and other community members to learn how to look for and identify AIS; learn who to report new findings to; and learn how to properly remove what they find from the lake.
- d) Objective 4 – Determine a plan of action to follow if a new AIS is discovered in Poskin Lake.
 - (1) Action – The PLA will develop, maintain, and update as necessary, a formal AIS Rapid Response Plan in the first year covered by this plan.

6) Goal 6 – Promote and support nearshore, riparian, and watershed best management practices that will improve fish and wildlife habitat, reduce runoff, and minimize nutrient loading into Poskin Lake.

a) Objective 1 – Adopt State of Wisconsin Healthy Lakes Initiative.

(1) Action – Apply for at least one Wisconsin Healthy Lakes Initiative Grants over the next five years to support projects that will improve fish and wildlife habitat and reduce runoff into Poskin Lake in the next five years.

7) Goal 7 – Assess the progress and results of this project annually and report to and involve other stakeholders in planning efforts.

a) Objective 1 - Build and support new and existing partnerships each year.

(1) Action – The PLA will communicate with local, county, and state entities; schools and local business; clubs and organizations, etc. to generate support for management actions.

b) Objective 2 – Complete annual project activity and assessment reports.

(1) Action – The PLA and their Consultant will prepare end-of-year reports summarizing the management actions completed and how they impacted the lake and share/review them with the PLA constituency, partners, and the WDNR.

c) Objective 3 – Provide multiple opportunities and venues annually for lake residents, users, and other partners to keep informed about management planning and implementation activities.

(1) Action – The PLA will distribute annually management planning and implementation information to PLA constituency via newsletters, with social media outlets, at local businesses, and during meetings and other events attended by PLA members.