Recommended Implementation and Funding Plan for the Red Cedar Lakes Aquatic Plant Management Plan

Goals/Objectives/Actions	Healthy Lakes Grant	CBCW Grant	AIS Education Grant	AIS Control Grant	LPL Grant	Implementers	2020	2021	2022	2023	2024
1. Prevent the expansion of curly-leaf pondweed in the Red Cedar Lakes											
1.1 Document changes in CLP distribution and density											
1 RCLA volunteers will complete CLP bedmapping in mid to late June each year to compare annual changes.			×	×	×	RCLA, RP	×	×	×	×	×
2 The RCLA will hire a specialist to complete a cold-water, CLP, point-intercept survey in 2023 and compare to results from the 2018 survey.			×	×	×	RCLA, RP					×
1.2 Reduce the current (2018) distribution and density of CLP in the Red Cedar Lakes to the point where there are no beds >1 acre in size with a rakehead density of 2 or more.											
1 The RCLA will implement a 3-yr chemical treatment plan that includes areas that are ≥1 acre with a rakehead density of 2 or more based on prior year CLP bedmapping results.				×		RCLA, RP	×	×	×		
2 The RCLA and individual property owners will complete small-scale, manual removal of CLP in nearshore areas.				×		RCLA	×	×	×	×	×
1.3 Implement native plant management that will increase usability of the lake while minimizing damage to the native ecosystem.											
1 Implement an annual native plant harvesting program to maintain 20-ft navigation lanes in two areas of the lake						RCLA, RP	×	×	×	×	×
2. Maintain or improve current (2018) measurements of the health of the native aquatic plant community in the Red Cedar Lakes											
2.1 Compare measurements of the health of the native aquatic plant community in the Red Cedar Lakes prior to and after a multi-year CLP management project.											
1 The RCLA 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.			×	×	×	RCLA, RP					×
2 The RCLA will monitor and map known wild rice populations annually			×	×	×	RCLA, RP	×	×	×	×	×
3 The RCLA will survey the entire shoreline/ littoral areas for wild rice in 2020, 2022, and 2024			×	×	×	RCLA, RP	×		×		×
3. Monitor changes in water quality											
3.1 Maintain or improve measurements of water quality in Red Cedar Lakes including Secchi, temperature, dissolved oxygen, total phosphorus, and chlorophyll a.											
1 The RCLA will continue to participate in the expanded level of the Citizen Lake Monitoring Network (CLMN) on Red Cedar Lakes.			×	×	×	RCLA	×	×	×	×	×
3.2 Share in-lake and tributary water quality data between lakes in the upper Red Cedar River watershed..											
1 The RCLA will work with/partner with the Big Chetac and Birch Lakes Association to monitor and share water quality data between lakes			×	×	×	RCLA	×	×	×	×	×
4. Reduce the threat that a new AIS will be introduces into and go undetected in the Red Cedar Lakes											
4.1 Complete watercraft inspection time annually and maintain applicable AIS signage at the two Red Cedar Lakes boat landings to educate boaters and other lake users about AIS and how they are transferred from lake to lake.											
1 The RCLA will implement a Clean Boats, Clean Waters programs annually with a goal of up to 200 hours or more between the two landings.		×				RCLA, RP	×	×	×	×	×
2 The RCLA will inspect, maintain and/or improve AIS signage at all landings annually.			×	×	×	RCLA	×	×	×	×	×
4.2 Locate and identify any new AIS that may be introduced to the Red Cedar Lakes as early as possible.											
1 The RCLA will implement an AIS Monitoring Program annually following guidelines provided by the Citizen Lake Monitoring Network.			×	×	×	RCLA, RP	×	×	×	×	×
4.3 Increase opportunities for the RCLA constituency, property owners, visitors, and other lake users to be made aware of and learn about AIS.											
1 The RCLA will annually distribute AIS education and identification materials to RCLA constituency via newsletters, on the web or Facebook page, at local businesses and during meetings and other events attended by RCLA members.			×	×		RCLA, RP, WDNR	×	×	×	×	×
2 The RCLA will plan and implement at least one event/opportunity annually for the RCLA constituency and other community members to learn how to look for and identify AIS; learn who to report new findings too; and learn how to properly remove what they find from the lake.			×	×		RCLA, RP, WDNR	×	×	×	×	×
4.4 Determine a plan of action to follow if a new AIS is discovered in the Red Cedar Lakes.											
1 The RCLA will develop, maintain, and update as necessary, a formal AIS Rapid Response Plan in the first year covered by this plan.			×	×	×	RCLA	×				
5. Promote and support nearshore, riparian, and watershed best management practices that will improve fish and wildlife habitat, reduce runoff, and minimize nutrient loading into Red Cedar Lakes											
5.1 Adopt State of Wisconsin Healthy Lakes Initiative.											
1 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 Red Cedar Lakes in the next five years.					×	RCLA, RP	×				
6. Assess the progress and results of this project annually and report to and involve other stakeholders in planning efforts.											
6.1 Build and support new and existing partnerships each year.											
1 The RCLA will communicate with local, county, and state entities; schools and local business; clubs and organizations, etc. to generate support for management actions.			×	×	×	RCLA, CS	×	×	×	×	×
6.2 Complete annual project activity and assessment reports.											
1 The RCLA 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 RCLA constituency, partners, and the WDNR.			×	×	×	RCLA, RP	×	×	×	×	×
6.3 Provide multiple opportunities and venues annually for lake residents, users, and other partners to keep informed about management planning and implementation activities.											
1 The RCLA will distribute annually management planning and implementation information to RCLA constituency via newsletters, with social media outlets, at local businesses, and during meetings and other events attended by RCLA members.			×	×	×	RCLA	×	×	×	×	×

Implementers: RCLA, Red Cedar Lakes Association; CS, Community Stakeholders; RP, resource professionals/consultant; WDNR, Wisconsin Department of Natural Resources; CLMN, Citizen Lake Monitoring Network; AIS, aquatic invasive species; CBCW, Clean Boats, Clean Waters;CLP, Curly-leaf Pondweed; APM, Aquatic Plant Management; PI, point intercept; AEPP, AIS Education Prevention and Planning grant