

**Recommended Implementation, Funding, and Priority Plan for the Clam Lakes Aquatic**

Goals/Objectives/Actions		Priority Placement			Primary Implemeneters	Year of Implementation					WDNR Surface Water Planning G	
		High (1st)	Med (2nd)	Low (3rd)		2021	2022	2023	2024	2025	Education	Planning
<b>Goal 1: Protect, preserve, and enhance native aquatic plant communities in the Clam Lakes including wild rice.</b>												
1 Maintain or increase three measurements of the quality of the native aquatic plant community: FQI, mean C, and # of native aquatic plant species w/visual and boat survey, based on values from the 2019 Whole-lake, Summer Point-intercept, Aquatic Plant Survey												
1	Complete management planning annually with the intent to minimize negative impacts of management implementation on native aquatic vegetation.				CLPD, RP	X	X	X	X	X	X	X
2	Continue education efforts aimed at changing attitudes of lake property owners and lake users as it relates to the importance of aquatic vegetation in the Clam Lakes for water quality, invasive species control, and improved fish and wildlife habitat.				CLPD	X	X	X	X	X	X	X
2 Maintain the distribution and density of wild rice in both lakes at 2019 levels or better												
1	Support SCTES efforts to protect, enhance, and restore historic wild rice beds				CLPD, SCTES	X	X	X	X	X		
2	Continue property owner and Lake User education efforts aimed at establishing the importance of wild rice as a resource in the Clam Lakes				CLPD, SCTES	X	X	X	X	X	X	
3	Establish "no wake zones" during the floating-leaf stage of wild rice development to help minimize dislodging events caused by watercraft generated waves				CLPD, BurCo, SCTES	X	X	X	X	X		X
<b>Goal 2: Prevent CLP in Upper Clam Lake from expanding to levels where it might cause navigation issues or hinder native aquatic plant growth.</b>												
3 Maintain the distribution of CLP at no more than 5% (67 acres) of the total lake surface, and maintain a density where moderate or dense growth CLP (rakehead density of 2 or 3) covers no more than 2% (27 acres) of the total lake surface.												
1	Complete annual bedmapping of CLP (June 1 - June 15)				CLPD, RP	X	X	X	X	X		X
2	Implement physical/manual removal as outlined in the APM and move to the next action if/when a problem area is determined to be too large for physical/manual removal to be effective.				CLPD, RP	X	X	X	X	X		
3	Harvest CLP beds when the total area with CLP exceeds 40 acres, and any single bed exceeds 10 acres with a rakehead density of 2 or 3 (Harvesting would not occur until the year after the criteria for active management was reached)				CLPD	X	X	X	X	X		
4	Prepare a WDNR aquatic plant harvesting permit annually, and once approved, implement large-scale harvesting under guidelines outlined in the APM plan				CLPD, RP	X	X	X	X	X		X
<b>Goal 3: Prevent CLP in Lower Clam Lake from taking over the littoral zone.</b>												
4 Maintain the distribution of CLP at no more than 34% (115 acres) of the total lake surface, and maintain a density where moderate or dense growth CLP (rakehead density of 2 or 3) covers no more than 20% (67 acres) of the total lake surface.												
1	Complete annual bedmapping of CLP (June 1 - June 15)				CLPD, RP	X	X	X	X	X		X
2	Implement physical/manual removal as outlined in the APM and move to the next action if/when a problem area is determined to be too large for physical/manual removal to be effective.				CLPD, RP	X	X	X	X	X		
3	Harvest all CLP that expands past 500-ft from shore (May 1 - June 15)				CLPD	X	X	X	X	X		
4	Create fish passage/navigation lanes through CLP beds as described in the APM plan (May 1 - June 30)				CLPD	X	X	X	X	X		
5	Prepare a WDNR aquatic plant harvesting permit annually, and once approved, implement large-scale harvesting under guidelines outlined in the APM plan				CLPD, RP	X	X	X	X	X		X
<b>Goal 4: Improve access to open water through dense growth native aquatic vegetation for property owners along the Clam Lakes.</b>												
5 Improve access to open water for property owners and Lake Users on both lakes.												
1	Open up a combined 9.5 miles of navigation lanes as described in the APM plan in both lakes (June 15 - September 15)				CLPD	X	X	X	X	X		
2	Open up a combined 3.2 miles of "open water access lanes" on both lakes as described in the APM plan (June 15 - September 15)				CLPD	X	X	X	X	X		
3	Open up an access lane from the inlet of the Clam River to Upper Clam Lake as described in the APM plan (May 15 - September 15)				CLPD	X	X	X	X	X		
5	Prepare a WDNR aquatic plant harvesting permit annually, and once approved, implement large-scale harvesting under guidelines outlined in the APM plan				CLPD, RP	X	X	X	X	X		X
<b>Goal 5: Prevent purple loosestrife from taking over any of the shoreline or wetlands around the Clam Lakes.</b>												
6 Allow no new purple loosestrife plants to remain along the greater shoreline of the lakes												
1	Survey the shoreline of both lakes at least once a year between July 20 and Aug 20				CLPD, RP	X	X	X	X	X	X	
2	Physically remove pioneering plants that are easily accessible and attempt to pull or dig-up the entire plant, root and all				CLPD, RP	X	X	X	X	X		
3	Cut off flower heads and bulk of the stem from any plants identified during the survey				CLPD, RP	X	X	X	X	X		
4	Apply herbicide to cut stems or leaves of purple loosestrife where possible and where a permit is not required				CLPD, RP	X	X	X	X	X		
7 Establish a viable population of Galerucella beetles in areas where purple loosestrife plants are too numerous to physically or chemically remove.												
1	Implement a biological control rearing program with Lake District volunteers and aided by the Burnett County AIS Coordinator and the Siren School District.				CLPD, RP, SSD, BurCo	?	?	?	?	?	X	
<b>Goal 6: Minimize negative impacts to the existing bluegill fishery caused by aquatic plant management actions in the Clam Lakes.</b>												
8 See no decline in the current bluegill population in the Clam Lakes												
1	Promote physical removal of nuisance aquatic plants close to the shore (<3-ft)				CLPD	X	X	X	X	X	X	
2	Discuss with and seek input from the WDNR, SCTES, and other fisheries personnel before, during, and after aquatic plant management planning and implementation				CLPD, RP	X	X	X	X	X		X
9 Support SCTES and WDNR efforts to monitor and manage the carp population												
1	Continue to be a part of the dialogue surrounding carp management and planning implementation				CLPD	X	X	X	X	X		

2	Perpetuate financial, logistical, and resource support for carp management efforts by keeping the CLPRD constituency informed and involved				CLPD, SCTES, WDNR	X	X	X	X	X		X
<b>10 Improve in-lake habitat for fish and wildlife by installing coarse woody habitat (Fishsticks) projects</b>												
1	Map the shoreline of Clam Lakes and document the location of all coarse woody structure.				CLPD, RP	X	X					X
2	Provide educational materials to lake property owners and users that state the benefits of coarse woody habitat in a lake				CLPD		X	X	X	X	X	
3	Promote and support the installation of Fishsticks projects through the Healthy Lakes and Rivers grant program.				CLPD		X	X	X	X		
<b>Goal 7: Minimize opportunities for new AIS to enter and become established in the Clam Lakes.</b>												
<b>11 Improve the level of knowledge lake property owners and lake users have related to AIS and how they are and could impact the lakes.</b>												
1	Host and/or sponsor annual lake community events including AIS identification and management workshops				CLPD, BurCo, RP	X	X	X	X	X		
2	Distribute education and information materials to lake property owners and lake users through the newsletter, webpage, social media, and general mailings				CLPD, BurCo, RP	X	X	X	X	X	X	
3	Create a library of AIS materials accessible to property owners and lake users and update annually				CLPD, BurCo		X	X	X	X	X	
<b>12 Implement a watercraft inspection and AIS signage program at all public and private access sites.</b>												
1	Incorporate a CLMN/UW-Extension Lakes Clean Boats, Clean Waters program at the Hwy 70 Boat Landing on Lower Clam Lake				CLPD, BurCo, WDNR	X	X	X	X	X		
2	Evaluate and update signage at all public access points on the lakes				CLPD	X	X					
3	Work with resorts on the lake with private accesses to post signage and encourage watercraft inspection				CLPD	X					X	
<b>13 Implement an in-lake and shoreland AIS monitoring program in the lakes</b>												
1	Participate in the CLMN/UW-Extension Lakes AIS Monitoring Program to support in-lake monitoring efforts				CLPD, RP, BurCo, WDNR	X	X	X	X	X		
<b>Goal 8: Reduce pollutant loading into the Clam Lakes.</b>												
<b>14 Promote shoreland improvement projects in the nearshore area that will reduce surface runoff and pollutants entering the lakes.</b>												
1	Promote property owner participation in the Burnett County Shoreland Incentive Program				CLPD, BurCo	X	X	X	X	X	X	
2	Promote property owner participation in projects supported by the Healthy Lakes and Rivers grant program				CLPD, WDNR		X	X	X	X	X	
3	Recognize property owners who participate in and/or complete runoff and pollutant reduction practices				CLPD, WDNR, BurCo		X	X	X	X	X	
<b>15 Reduce disturbances to bottom sediments in the Clam Lakes</b>												
1	Provide education and informational materials to lake property owners and users related to the disturbances caused by boat prop wash in shallow areas of the lake				CLPD, RP	X	X	X	X	X	X	
2	Promote voluntary extended "no wake" zones in shallow water near the shore				CLPD	X	X	X	X	X	X	
3	Continue to support carp removal efforts by SCTES and the WDNR				CLPD	X	X	X	X	X		
<b>16 Encourage septic system inspection, maintenance, and repair</b>												
1	Send out reminders to property owners to have their septic system inspected to see if they are functioning properly				CLPD		X		X		X	
2	Encourage property owners to replace or repair septic systems not functioning properly				CLPD	X	X	X	X	X	X	
<b>17 Encourage the use of agricultural, logging, and other industry best management practices to reduce sediment and nutrient loading from the watershed</b>												
1	Work with the Burnett County Land and Water Conservation Department and other entities to identify problem sites in the watershed and to develop plans to address them				CLPD, BurCo		X	X	X	X		X
2	Consider offering financial assistance to the County or other entities to implement first time and additional best management practices throughout the watershed				CLPD, BurCo		X	X	X	X		
3	Encourage business and private property owners around the lake to implement best management practices that will reduce sediment and pollutant loading from the watershed				CLPD, RP	X	X	X	X	X	X	X
<b>Goal 9: Provide property owner and lake user education and awareness of issues impacting the Clam Lakes.</b>												
<b>18 Continue public outreach and education programs on issues facing the Clam lakes.</b>												
1	Facilitate AIS, aquatic plants, and water quality, and wildlife public education opportunities annually				CLPD, BurCo, RP	X	X	X	X	X	X	
2	Promote sustainable and multi-use recreational opportunities on the lakes				CLPD	X	X	X	X	X	X	
<b>Goal 10: Collect lake related data to enhance and support current and future lake management planning and implementation in the Clam Lakes.</b>												
<b>19 For management planning and assessing general lake health, collect lake data that will provide a better understanding of the issues impacting the lakes.</b>												
1	Reinstitute a CLPRD volunteer driven water quality testing program through the CLMN expanded water quality monitoring program				CLPD, WDNR	X	X	X	X	X		
2	Solicit water quality data collected by the SCTES annually				CLPD, SCTES	X	X	X	X	X		
3	Begin precipitation and lake level monitoring				CLPD	X	X	X	X	X		
<b>Goal 11: Implement this plan following Integrated Pest Management guidelines from the WDNR.</b>												
<b>20 Follow an adaptive management strategy that measures and analyzes the effectiveness of management activities and modify the management plan as necessary to meet goals and objectives</b>												
1	The CLPRD will continue active participation in all discussions related to management of the Clam Lakes				CLPD, RP	X	X	X	X	X		X
2	Annual reports will be completed summarizing actions and results and presenting revisions for future management actions				CLPD, RP	X	X	X	X	X		X
3	Evaluate results and revise management actions in this plan as needed to help meet the needs of the lakes				CLPD, RP	X	X	X	X	X		X

Implementers: CLPD, Clam Lakes Protection District; RP, resource professionals/consultant; SCTES, St. Croix Tribal Environmental Resources; BurCo, Burnett County; WDNR, Wisconsin Department of Natural Resources; SSD, Siren School District; CLMN, Citizen Lake Monitoring Network; AI



