

SECTION 1 – Residency

These first few questions will help to determine who is responding to this survey. The water body being referred to as the Clam Lakes in this survey is shown on the map below. It includes Clam Lake, Lower Clam Lake, the Clam River flowing into Clam Lake up to Lynch Bridge (referred to as the Clam River Inlet), and the Clam River flowing out of Lower Clam Lake down to the Dam (referred to as the Clam River Outlet).

1. Do you own or rent property on the Clam Lakes or the Clam River? *(check all that apply)*

- I own property on the lake
- I rent property on the lake
- I own property on the river
- I rent property on the river
- no *(skip to Section 3)*

2. The map at right shows Clam Lake and Lower Clam Lake. Please indicate which lake you own or rent property on.

- Clam Lake and Lower Clam Lake
- Lower Clam Lake (North of 70)
- Clam Lake (South of 70)
- Clam River Inlet
- Clam River Outlet

3. What type of property do you have on the Clam Lakes? If you have more than one type of property, please report on only the property you have had the longest. *(please select one)*

- permanent residence
- seasonal residence
- less than seasonal dwelling
- business
- undeveloped land
- second home
- other *(please specify)* _____



4. How long have you had the property indicated in Question 3? *(If less than 1 year, please write '1' in the space provided)*

I have had the property for _____ year(s).

5. During a 12-month period (Jan. 1 – Dec. 31) how many days are you, members of your family, or guests at the property indicated in Question 3? *(please provide your best estimate in the space below)*

There are people at the property approximately _____ days a year.

6. On average, about how many people are at the property each time it is being used? _____

SECTION 2 – Lake Stewardship

This section of the survey will provide information about the lake stewardship practices of lake property owners and renters.

1. A commercial fertilizer is one purchased “over the counter” or applied by a professional landscaper. It does not include manure, mulch, or other organic substance. Is a commercial fertilizer used on any portion of your lake property at any time during the year?

- yes, I apply it myself and I hire someone yes, I apply it myself
 yes, I hire someone to apply it no (*skip to Question 3*)

2. If a commercial fertilizer is used, is it a “phosphorous free” fertilizer?

- yes no I don’t know

3. Are any of the following water quality/landscaping practices currently in place at the property indicated in Section 1-Question 3? (*check all that apply*)

- Rain garden Native flower/tree planting
 Shoreline buffers Natural shoreline restoration
 Water diversion Native prairie restoration
 Other (*please describe*) _____
 No water quality/landscaping practices have been used.

4. Which, if any, of the following water quality/landscaping practices hold potential interest for you? (*check all that apply*)

- Rain garden Native flower/tree planting
 Shoreline buffers Natural shoreline restoration
 Water diversion Native prairie restoration
 Other (*please describe*) _____
 No water quality/landscaping practices are of interest to me

5. Which, if any, of the following outcomes would motivate you to install a water quality/landscaping practice on your property? (*check all that apply*)

- A. Increasing the natural beauty of my property
 B. Improving the water quality of the Clam Lakes
 C. Improving the water quality around my property’s shoreline
 D. Providing better habitat for fish
 E. Providing better habitat for birds and wildlife
 F. Setting an example for other lake residents
 G. Less lawn mowing time
 H. A property tax rebate
 I. Financial assistance that pays a portion of the cost/installation
 J. Technical assistance that would evaluate my property for water quality concerns
 K. Technical assistance that would identify appropriate practices to install
 L. Other (*please describe*) _____
 M. I have no interest in installing a water quality/landscaping practice on my property (*skip to Question 7*)

6. Which **two** items from the above list would be the most influential in your decision to install a water quality/landscaping practice? (*write the letters of the corresponding items in the spaces below*)

Items _____ and _____ would be the most influential.

7. What type of septic system do you have on your property? (*select all that apply*)

Mound System Holding Tank Other Unsure
 At-Grade System Conventional System None (*skip to Section 3*)

8. How many years ago was your septic system last inspected? (*please provide your best recall*)

1-5 years 6-10 years 11+ years Never Not Sure

9. When was your septic system last ‘pumped’ or ‘sewered’? (*please provide your best recall*)

1-5 years 6-10 years 11+ years Never Not Sure

SECTION 3 – Lake Use & Lake Issues

This section of the survey will help to determine what lake uses and lake issues are specific to the Clam Lakes.

1. From the list below, check all activities on the Clam Lakes that you and/or your family participate in.

A. fishing from the shore F. ice fishing J. wildlife viewing
 B. fishing from a boat G. speed boating K. rest/relaxation
 C. pontoon boating H. jet skiing L. water skiing/tubing
 D. canoe/kayak/paddle boat I. sailing M. other (please list) _____
 E. swimming/wading I don’t participate in activities on the lake (*skip to Question 3*)

2. Which 3 activities from the above list do you or members of your family participate in most often on the Clam Lakes? (*write the letter of the corresponding activities in the spaces below*)

I (We) participate in _____ most often, _____ second most often, and _____ third most often.

3. Below are numerous issues that may negatively affect your use of the Clam Lakes. From the list below, please mark all of the issues that are of concern to you.

A. poor quality fishing K. too much weed growth
 B. too much public use L. overdevelopment of the shoreline
 C. not enough weed growth M. “icky” or “green” water
 D. poorly maintained boat access N. too much shoreline lighting
 E. low water level in the lakes O. high water level in the lakes
 F. foul or offensive odor P. floating vegetation
 G. too many rough fish (carp) Q. nuisance wildlife (please specify) _____
 H. excessive or uncontrolled water skiing or use of personal watercraft
 I. introduction of undesirable aquatic plants and animals (invasive species)
 J. there are no issues affecting my use of the lakes (*skip to Question 5*)

8. Who do you feel should be responsible for managing aquatic plant growth in the Clam Lakes?
(*check all that apply*)

- | | |
|-------------------------------------------------------------------------|----------------------------------------------------------|
| <input type="checkbox"/> Local township government | <input type="checkbox"/> The land owner |
| <input type="checkbox"/> County government | <input type="checkbox"/> "Mother Nature" (no management) |
| <input type="checkbox"/> Wisconsin DNR | <input type="checkbox"/> I don't know |
| <input type="checkbox"/> Clam Lake Protection & Rehabilitation District | <input type="checkbox"/> Other (please specify) _____ |

9. Since you have owned or rented your property on the Clam Lakes, would you say the amount of algae growth (both the small green particles suspended in the water and the longer, green slimy stuff attached to rocks, docks, and other plants) has:

- increased stayed the same decreased I don't know

SECTION 5 – Aquatic Invasive Species in the Clam Lakes

This section of the survey seeks to determine how much lake users know about aquatic invasive species. Aquatic invasive species are plants and animals that are foreign to the Clam Lakes and do not belong there.

Curly-leaf pondweed (CLP)

Curly-leaf pondweed has been documented in the Clam Lakes. CLP creates early season (May, June) nuisance conditions in the Clam Lakes by forming dense beds of vegetation that interfere with many lake uses.

1. Before responding to this survey, did you know that curly-leaf pondweed is present in the Clam Lakes?

- yes no I have heard about it before, but did not know for sure

2. How much do you know about CLP and the problems it can cause in a lake?

- a lot some very little just what I have read here

3. Do you think you would recognize CLP in the lakes if you saw it?

- definitely yes probably yes unsure probably not definitely not

4. How much of a problem, if at all, do you consider CLP growth in the Clam Lakes to be?

- large problem moderate problem unsure small problem no problem

Common Carp

Carp are considered an aquatic invasive species in the Clam Lakes even though they have been present for many years. In small numbers they have little impact on a lake. In large numbers they can cause tremendous damage to a lake.

5. Before responding to this survey, did you know that carp are present in the Clam Lakes?

- yes no I have heard about it before, but did not know for sure

6. How much do you know about carp and the problems they can cause in a lake?

a lot some very little just what I have read here

7. Do you think you would recognize carp in the lakes if you saw them?

definitely yes unsure (*go to EWM introduction below*)
 probably yes probably not (*go to EWM introduction below*)
 definitely not (*go to EWM introduction below*)

8. Since you have owned or rented property on the Clam Lakes, would you say the number of carp in the lake has:

increased stayed the same (*go to EWM intro below*)
 decreased (*go to EWM intro below*) I don't know (*go to EWM intro below*)

Increasing numbers of carp in a lake may be cyclical, meaning the number of carp increase for a short period of time (1-5 yrs) and then decrease again on a somewhat regular basis, **or**, some significant change in the lake could lead to an increase in carp population that remains high for a longer period of time (5 plus yrs). Please answer the following questions based on the time you have owned or rented property on the lakes.

9. The number of carp in the Clam Lakes has:

been this high before has never been as high as it is now (*skip to Question 11*)
 I don't know (*skip to Question 11*)

10. When was the last time you remember the carp population in the Clam Lakes being as high as it is now?

1-5 yrs ago 11-15 yrs ago more than 20 yrs ago
 6-10 yrs ago 16-20 yrs ago I don't remember, they just were

11. Have you, members of your family, or guests used any of the following methods to remove carp from the lakes? (*check all that apply*)

fishing spearing other (*Please explain*) _____
 bow fishing netting No, we have not specifically tried to remove carp

Eurasian Watermilfoil (EWM)

Eurasian watermilfoil has not yet been found in the Clam Lakes but it is a possible threat in the future. In some lakes EWM becomes just another "weed". In other lakes it can form dense beds of vegetation present all season that can interfere with many lake uses.

12. How much do you know about EWM and the problems it can cause in a lake?

a lot some very little just what I have read here

13. Do you think you would recognize EWM in the lakes if you saw it?

definitely yes probably yes unsure probably not definitely not

Other Aquatic Invasive Species

None of the following aquatic invasive species are known to be in Clam Lakes. However, at some point any of them could be accidentally introduced into the lakes, or may be there already but not formally identified.

14. Please check all of the following aquatic invasive species that you have heard of before.

- | | | |
|------------------------------------------------|-----------------------------------------------|---------------------------------------------|
| <input type="checkbox"/> zebra mussels | <input type="checkbox"/> rusty crayfish | <input type="checkbox"/> spiny waterflea |
| <input type="checkbox"/> Chinese mystery snail | <input type="checkbox"/> banded mystery snail | <input type="checkbox"/> hydrilla |
| <input type="checkbox"/> New Zealand mudsnail | <input type="checkbox"/> freshwater jellyfish | <input type="checkbox"/> purple loosestrife |

15. Would you be willing to take part in a training session to help you identify aquatic invasive species in the lakes?

- definitely yes probably yes unsure probably not definitely not

SECTION 6 – Aquatic Plant Management

Aquatic plants in a lake can be managed in many different ways. In most cases management is ongoing and long-term. Sometimes no management may be the best option.

Harvesting

Currently curly-leaf pondweed and other aquatic plant growth in the Clam Lakes is managed by removing large amounts of vegetation through large-scale mechanical harvesting. The majority of plant harvesting occurs in the months of May, June, and July. Currently two large harvesters are owned and operated by the Lake District for the purpose of aquatic plant removal.

1. Before responding to this survey, did you know that the Lake District provides support for large-scale harvesting of CLP and other aquatic plants in the Clam Lakes?

- yes no I have heard about it before, but did not know for sure

2. Do you think large-scale harvesting of CLP in the Clam Lakes is necessary?

- definitely yes probably yes unsure probably not definitely not

3. Do you think large-scale harvesting has effectively controlled excessive CLP growth in the lakes in May - July?

- definitely yes probably yes unsure probably not definitely not

4. Do you think large-scale harvesting of other aquatic plants in the Clam Lakes is necessary?

- definitely yes probably yes unsure probably not definitely not

5. Do you think large-scale harvesting has effectively controlled other aquatic plant growth in the lakes throughout the summer months?

- definitely yes probably yes unsure probably not definitely not

6. How big of a problem are floating or washed up plant fragments that are left behind by the aquatic plant harvesters on your shoreline?

large problem unsure if plant fragments are from harvester small problem
 moderate problem I have no shoreline no problem

7. Are you satisfied with the overall results of the current large-scale plant harvesting program that is being supported by the Lake District?

definitely yes probably yes unsure probably not definitely not

8. Please mark the one box that best completes the following statement: "I think the plant harvesters in the Clam Lakes remove _____."

just the right amount of aquatic plant growth from the lakes
 too much aquatic plant growth from the lakes
 too little aquatic plant growth from the lakes
 unsure

Other Common Aquatic Plant Management Methods

It is possible that other plant management methods could be used in place of or in cooperation with the large-scale harvesting that is currently being used in the Clam Lakes. Please assume that any of the following management methods are safe and legal, and would only be used if approved by the State of Wisconsin. Total removal or eradication of CLP or other aquatic plants is not possible.

9. Please place a 1 and a 2 in order of preference by the two methods (other than harvesting) that you would most support to manage aquatic plants in the Clam Lakes. If you are unsure about these management methods, or would not accept any of them, please check the appropriate blank.

No management
 Continued hand-pulling and raking in shallow waters
 Increased hand-pulling and raking in shallow waters
 Small-scale (less than 10 acres) chemical treatment for nuisance control
 Large-scale (more than 10 acres) early season chemical treatment to reduce plant abundance
 Biological control (using one live species to control another)
 I am unsure and need additional information to make a decision
 I would not accept any of these management alternatives

Uncommon Aquatic Plant Management Methods

The following aquatic plant management methods are not used as often to control aquatic plant growth in a lake, however, they can be effective under the right circumstances. These alternatives are much larger-scale and would cause greater disturbances to the lakes overall than those presented in Question 9.

10. Please place a 1 and a 2 in order of preference by the two methods shown on the following page that you would most accept for the Clam Lakes. If you are unsure about these management methods, or would not accept any of them, please check the appropriate blank.

- Lower the lake levels by several feet in the fall to expose aquatic plant beds to drying out and freezing temperatures. (This would likely have to be repeated every 3-5 years to be effective long term. The lake levels would be brought back up again the following spring or early summer.)
- Whole-lake, or very large-scale (150 acres or more) chemical treatment to greatly reduce CLP. (This would likely have to be completed several years in a row to be effective long term.)
- Large-scale dredging (removing bottom sediments) by mechanical means, **with** drawdown (lower lake levels), to remove plant seeds, roots, and other growth structures.
- Large-scale dredging (removing bottom sediments) by mechanical means, **without** drawdown (lower lake levels), to remove plant seeds, roots, and other growth structures.
- Manipulation of the different biological levels of the Clam Lakes including the fishery, aquatic insects, microscopic critters, and the food structure that supports them.
- I am unsure and need additional information to make a decision.
- I would not accept any of these management alternatives.

11. If you have other suggestions for managing aquatic plants in the Clam Lakes, or have another outcome in mind, we would like to know about them. Please use the space below to describe.

SECTION 7 –Community Support

Local, county, state, and federal resources will be tapped into to implement management recommendations for the Clam Lakes. However, community support including all lake users (be they lake property owners or renters or not), businesses, community or civic groups, and others will be asked to share the burden. Donations of volunteer time, services, materials, equipment, and cash will further help to implement and maintain management recommendations. The following questions will help to determine your willingness to support future projects involving the implementation of management recommendations.

1. Volunteer time used for watercraft inspection at boat landings and monitoring of aquatic invasive species, wildlife, and water quality can be used as a direct source of match for state funding. How much time, if any, would you be willing to contribute to support these activities?

no time a few hours a year a few days a year longer periods of time

2. Service, material, and equipment needs are varied and somewhat unknown but could include boat use, construction, educational materials design, web services, legal services, building materials, plants and planting services, etc. Under the right circumstances, do you think you would be willing to provide assistance for any of these or other services and materials that may be necessary?

yes no maybe I'll wait and see what is needed.

3. How satisfied are you with the lake management activities completed by the Clam Lakes Protection and Rehabilitation District (CLPRD) to date? (**check one**)

Completely satisfied Unsure, but I've heard of the CLPRD
 Somewhat satisfied Somewhat unsatisfied
 This is the first I've heard of the CLPRD Completely unsatisfied

4. What would increase your attendance at CLPRD meetings? (*check all that apply*)

- | | |
|------------------------------------------------------|----------------------------------------------------------------|
| <input type="checkbox"/> weekend morning meetings | <input type="checkbox"/> weekend evening meetings |
| <input type="checkbox"/> weekday morning meetings | <input type="checkbox"/> weekday evening meetings |
| <input type="checkbox"/> more speakers/presentations | <input type="checkbox"/> refreshments or meals |
| <input type="checkbox"/> lower CLPRD dues | <input type="checkbox"/> I'm not interested in CLPRD meetings |
| <input type="checkbox"/> more pressing issues | <input type="checkbox"/> Other (<i>please specify</i>) _____ |

5. How would you rate the communication you receive from the CLPRD regarding the water quality in the Clam Lakes?

- Excellent Good Fair Poor Non-existent

6. What is the primary way you are being kept up-to-date regarding the water quality of the lakes?

- | | | |
|------------------------------------------------|---------------------------------------------|----------------------------------------------------------|
| <input type="checkbox"/> CLPRD Annual Meetings | <input type="checkbox"/> Mailings | <input type="checkbox"/> WI – Dept. of Natural Resources |
| <input type="checkbox"/> CLPRD Web-Site | <input type="checkbox"/> Informed neighbors | <input type="checkbox"/> I'm not being kept up to date |
| <input type="checkbox"/> My own observations | <input type="checkbox"/> Other _____ | |

7. How would you rate the content of the CLPRD website?

- Excellent Good Fair Poor I've never visited it

8. Please add any suggestions you may have to improve the value of the CLPRD website:

9. Financial support for current and future management activities is important. Please indicate in what ways, if any, you would be willing to provide financial support.

- cash donations
- increased property taxes for the CLPRD, affecting Clam Lake property owners only
- fundraising efforts (raffles, bake sales, etc) as a consumer
- fundraising efforts (raffles, bake sales, etc) as a participant
- I do not wish to provide any additional financial support other than what I already contribute
- other (please specify) _____

10. Please add any additional comments you might have regarding aquatic plant management or related topics in the Clam Lakes (optional):

Congratulations! You have successfully completed this survey. Thank you for your time and your answers! Providing your contact information is optional, but if you wish to, please do!

Name: _____

Address: _____

City, State, and zip code: _____

Phone number: _____

Email address: _____