

## Citizen Survey of White Clay Lake 2011

1. How long have you lived in the watershed, visited or recreated on White Clay Lake?
- Less than a year
  - 1-5 years
  - 6-10 years
  - 11-20 years
  - More than 20 years

2. Where is your property or rental nearest to White Clay Lake located?
- On White Clay Lake
  - Not on the lake but in the lake watershed
  - Outside of the lake watersheds
  - None of the above

If you do not own property or rent, where do you travel from to use White Clay Lake?

- Shawano area
  - Green Bay area
  - Fox Valley area
  - Out of State
3. What time of the year do you generally use White Clay Lake? (check all that apply)
- March-April
  - May-August
  - September-November
  - December-February
  - Don't use the lake (Go to question 22)
4. Which days of the week do you typically use White Clay Lake? (check all that apply)
- Monday-Thursday
  - Friday
  - Saturday
  - Sunday
5. What activities do you enjoy at or near White Clay Lake? (check all that apply)
- Enjoying scenery
  - Nature photography
  - Canoeing/kayaking
  - Walking
  - Sailing
  - Solitude
  - Fishing
  - Ice Skating
  - Picnicking
  - Swimming/snorkeling
  - Ice fishing
  - Enjoying wildlife
  - X-country skiing, snowshoeing
  - Other

6. How important is it for you to see wildlife (ducks, geese, squirrels, songbirds, frogs, turtles, etc) when you use White Clay Lake?
- Very Important
  - Somewhat Important
  - Not too Important
  - Not at all Important
7. How has the quality of the wildlife habitat near White Clay Lake changed since you began using the lake?
- Improved
  - Stayed the same
  - Declined
  - Not sure

If you indicated that the quality of wildlife habitat has declined, what do you believe has contributed to the decline? (check all that apply)

- Loss of habitat
  - Aquatic plants
  - Fertilizer use
  - Geese
  - Development pressure
  - Over fishing
  - Herbicide/pesticide use
  - Domestic pets
  - Shoreline damage
  - Algae
  - Air pollution
  - Motor boats
  - Soil erosion
  - Heavy recreational use
  - Other
8. Does the wildlife on White Clay Lake interfere with your use/experience of the lake?
- Always
  - Sometimes
  - Unsure
  - Hardly ever
  - Never
9. How many years of fishing experience do you have on White Clay Lake?
- Less than a year
  - 1-5 years
  - 6-10 years
  - 11-20 years
  - More than 20 years
  - I don't fish either lake (go to question 15)
10. In 2010, how often did you fish White Clay Lake?
- Open Water:
- Daily
  - Weekly
  - Once or twice a month

- A few times a year
- Didn't fish

Ice fishing:

- Daily
- Weekly
- Once or twice a month
- A few times a year
- Didn't fish

11. How would you rate your fishing experiences on White Clay Lake?

- Excellent
- Very good
- Average
- Fair
- Poor

12. In general, how would you describe your fishing experience on White Clay Lake?

Frequency of catch:

- I catch fish every time I go out
- I catch fish most times I go out
- I sometimes catch fish
- I rarely catch fish

Fish size:

- Most fish are big enough to keep
- Some fish are big enough to keep
- Most fish are too small to keep

13. What type of fish do you catch on White Clay Lake?

- Northern Pike
- Pumpkinseed
- Crappie
- Perch
- Trout
- Largemouth Bass
- Bluegill
- I haven't caught any
- Other

14. In your opinion, would you say the quality of fishing on White Clay Lake has....

- Improved
- Stayed the same
- Declined
- Not sure

If you indicated that the fishing quality has declined, what do you believe has contributed to the decline? (check all that apply)

- Loss of aquatic plants
- Storm water runoff
- Excess aquatic plants
- Heavy recreational use

- Shoreline damage
- Air pollution
- Excess algae
- Herbicide use
- Fertilizer use
- Development pressure
- Soil erosion
- Motor boats
- Other

15. In your opinion, which statement best describes the current amount of aquatic plant growth in White Clay Lake?

- Very little, less optimum for fish and wildlife
- Just the right amount for fish and wildlife and does not affect my use of the lake
- Dense growth, more than optimum for fish and wildlife and the plants limit my use of the lake
- Choked with growth, the plants ruin fishing and my ability to enjoy the lake
- Not sure

If you selected dense or choked, what month(s) do the problems occur? (check all that apply)

- May
- June
- July
- August

16. If White Clay Lake were to become infested with invasive aquatic plants, who should pay for managing invasive aquatic plants, since the state has indicated that they cannot pay the entire cost?

- Individuals
- The lake association
- The county
- No one (no management should be undertaken)

17. After you have been in another lake or pond, do you clean your boat, trailer, and fishing equipment and empty your boat's live wells and tanks before using them in White Clay Lake?

- Yes, all of the time
- Yes, some of the time
- No, never
- Don't use a boat on White Clay lake

18. In your opinion, which statement best describes the current water quality in White Clay Lake?

- Excellent (Clear most days, no scum present)
- Good (Clear most days, some scum present)
- Fair (Clear on some days, scum frequently present)
- Poor (murky or scummy most of the time)
- Not sure

19. In general, the water quality of White Clay Lake has.....

- Improved
- Stayed the same
- Declined
- Not sure

If it has declined, what, in your opinion, are the primary causes? (check all that apply)

- Loss of aquatic plants
- Storm water runoff
- Excess aquatic plants
- Heavy recreational use
- Shoreline damage
- Air pollution
- Excess algae
- Herbicide use
- Fertilizer use
- Development pressure
- Soil erosion
- Motor boats
- Other

20. How much impact does the water quality have on your perceived value of White Clay Lake?

Economic:

- Major impact
- Some impact
- Little or no impact
- Not sure

Personal enjoyment

- Major impact
- Some impact
- Little or no impact
- Not sure

21. In your opinion, is there a difference in water quality between White Clay Lake and other lakes in the area?

- Yes, White Clay Lake has better water quality
- Yes, White Clay Lake has worse water quality
- No difference
- Not sure

PLEASE ANSWER THE FOLLOWING QUESTIONS ONLY IF YOU LIVE OR OWN PROPERTY IN THE WHITE CLAY LAKE WATERSHED, OTHERWISE GO TO QUESTION 32.

22. Do you use fertilizer on your lawn or garden?

- Yes
- No (if no, go to question 23)

Do you use fertilizer that contains phosphorus (the middle number on the fertilizer bag)?

- Yes
- No
- Not sure

Have you ever tested your soil before applying fertilizer?

- Yes, all of the time
- Yes, some of the time
- No, never

23. When it rains, do you:
- Try to route the water off your property as quickly as possible?
  - Try to retain the water on your property?

If you try and retain the water on your property, please check all of the methods used:

- Rain barrels
  - Route to depression or low area on my property
  - Rain gardens
  - Spread over land
  - Other
24. What does your household typically do with grass clippings and/or leaves? (check all that apply)
- Leave them on the lawn/mulch them
  - Compost them in your yard
  - Curbside pickup by community
  - Sweep into street
  - Take to recycling center
  - Other
25. Where do members of your household typically wash their vehicles during the summer? (check all that apply)
- At a carwash
  - At home in the driveway
  - At home on the grass
  - In the street
  - Don't wash a vehicle
  - Other
26. Where does your household typically dispose of household waste materials, such as used oils/fluid, pesticides, paints, etc. (check all that apply)
- Recycle them
  - On the ground
  - With my regular trash
  - In a container at home
  - Down a storm drain or in a roadside ditch
  - At the county facility
  - Other
27. What might motivate you to change how you manage your land? (check all that apply)
- Improving water quality
  - Improving water quantity or saving water
  - Providing better habitat for fish and wildlife
  - Increasing the natural beauty of my property
  - Displaying a commitment to the environment
  - Available financial assistance
  - Available technical assistance
  - Setting an example for community members
  - Increasing my privacy
  - Increasing my property value
  - Saving money
  - Changes to municipal ordinances

PLEASE ANSWER THE FOLLOWING QUESTIONS ONLY IF YOU OWN SHORELAND PROPERTY ON WHITE CLAY LAKE, OTHERWISE GO TO QUESTION 32.

28. How many feet of lake frontage do you own? \_\_\_\_\_feet
29. What best describes where your property meets the lake? (check all that)
- Undeveloped natural landscape
  - Rock riprap for stabilization
  - Lawn
  - Landscaped trees and shrubs; not mowed
  - Boathouse or other building
30. If you have a natural landscape or a combination of un-mowed vegetation with trees and shrubs, how far from the shoreline on to the property does it extend? \_\_\_\_\_ feet

If your shoreline currently does not contain native vegetation, would you consider changing your shoreline to include it?

- Yes
  - No
31. Are you aware of the county shoreland ordinance that requires a 75-foot setback for new development on lakes?
- Yes
  - No
32. How adequately do you feel the present regulations and county ordinances protect habitat and water quality in the lakes?
- Very adequate
  - Fairly adequate
  - Not too adequate
  - Not at all adequate
  - Not sure

What else do you feel could be done to protect habitat and water quality on White Clay Lake?

- Limits on the amount of impervious surface
  - Regulations for septic systems and wells
  - Regulations on cutting shoreline vegetation
  - Electric motor only ordinance
  - Restrictions on improvement to older structures that don't meet the shoreland standards
  - Requirements for shoreline buffer
  - Standards for earth moving actions
  - Protection for wetlands
  - Restrictions on feeding wildlife
33. How would you like to receive information on planning and management activities for White Clay Lake? (check all that apply)
- Meetings
  - Email
  - Workshops
  - Newspaper
  - County website
  - Join the Lake Association

- Information in municipal mailings
- Events like lake fairs, celebrations, etc.
- Other

34. What do you value most about White Clay Lake?

35. What could be done to maintain or improve your experience at White Clay Lake?

36. Are you interested in participating in a Citizen Lake Monitoring Program?

- Yes
- No

If yes, please fill in contact information below:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone #: \_\_\_\_\_

Email: \_\_\_\_\_

This survey is sponsored by the Fox-Wolf Watershed Alliance, an independent non-profit organization that works within the local area to stimulate water resource conservation and the Shawano County Aquatic Invasive Species program.

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