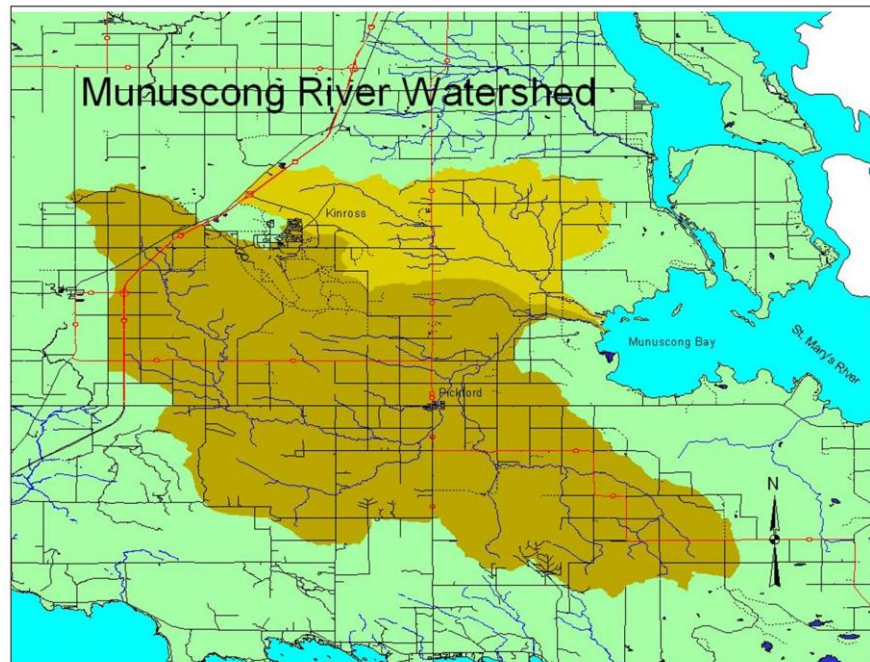


# Munuscong River Watershed Planning Survey

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Dear Resident,

Thank you for taking the time to complete the following survey! Lake Superior State University is conducting this survey in coordination with local government partners in order to identify the needs and concerns in your community regarding water quality in the Munuscong River Watershed.

We ask that this survey be completed by the person in your household that makes most of the property decisions. Your participation in this survey is completely voluntary. Your answers will be kept confidential and will be released only as summaries where individual answers cannot be identified.

Unless otherwise instructed, please check the box that corresponds to the answer category that best describes you and your situation or opinion. The survey should take about 15-20 minutes to complete. Please read each question carefully. If you have questions or want further information, please contact the project coordinator listed on the back page of this survey.

# 1. Rating of Water Quality

Overall, how would you rate the quality of water in Munuscong River Watershed?

	Poor	Okay	Good	Don't Know
a. For drinking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. For canoeing/ kayaking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. For eating fish caught locally	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. For swimming	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. For boating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. For picnicking and family activities near water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. For fish habitat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. For scenic beauty	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

# 2. Your Water Use

Of these activities, which is the most important to you? (select only one)

a. Drinking	<input type="checkbox"/>
b. Canoeing/ kayaking	<input type="checkbox"/>
c. Eating fish caught locally	<input type="checkbox"/>
d. Swimming	<input type="checkbox"/>
e. Boating	<input type="checkbox"/>
f. Picnicking and family activities near water	<input type="checkbox"/>
g. Fish habitat	<input type="checkbox"/>
h. Scenic beauty	<input type="checkbox"/>

### 3. Your Watershed

a. Of the following, which best fits your definition of what a watershed is? Check the box that corresponds to your answer.

- An area that retains water like a swamp or a marsh
- The land area that drains into a specific water body
- Water intake area that feeds a water treatment plant
- A small building where water is stored
- None of the above
- I don't know

b. Do you know where the rain water goes when it runs off of your property?

- No, I don't know
- Yes, it goes to \_\_\_\_\_

## 4. General Water Quality Attitudes

***Please indicate your level of agreement or disagreement with the statements below.***

	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
a. Individual households have the potential to impact water quality.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Taking action to improve water quality is too expensive for me.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. The economic stability of my community depends upon good water quality.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. The time of year that fertilizer is applied to farm fields impacts water quality.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. I would be willing to change the way I care for my yard to improve water quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. It is important to protect water quality even if it slows economic development.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. It is my personal responsibility to help protect water quality.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Investing in water quality protection puts the farmer at an economic disadvantage.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. It is okay to reduce water quality to promote economic development.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. What I do on my land doesn't make much difference in overall water quality.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. The amount of fertilizer that is used on farm fields impacts water quality.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l. It is important to protect water quality even if it costs me more.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. My actions have an impact on water quality.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. I would be willing to pay more to improve water quality (for example: through local taxes or fees).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o. I would be willing to change property management practices to improve water quality.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 5. Types of Water Pollutants

*Below is a list of types of water pollutants that are generally present, to some extent, in water bodies. The pollutants become a problem when present in excessive amounts beyond the capacity of the receiving water to assimilate. In your opinion, how much of a problem are the following pollutants in your area?*

	Not a Problem	Slight Problem	Moderate Problem	Severe Problem	Don't Know
a. Sediment in streams.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Pesticides in streams.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Nutrients/Fertilizers in streams.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Toxics (mercury, PCBs, DDT, etc) in streams.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. E. coli (manure/sewage) in streams.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Invasive aquatic plants and animals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Trash or debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 6. Sources of Water Pollutants

*The items listed below are sources of water quality pollution across the country. In your opinion, how much of a problem are the following sources of pollution in your area?*

	Not a Problem	Slight Problem	Moderate Problem	Severe Problem	Don't Know
a. Discharges from industry into streams & lakes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Discharges from sewage treatment plants.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Soil erosion from construction sites.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Soil erosion from farm fields.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Soil erosion from shorelines and/or stream banks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Excessive use of lawn fertilizers & pesticides.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Improper disposal of household wastes (chemicals, batteries, florescent light bulbs, motor oil, antifreeze, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Land development/redevelopment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Improperly maintained septic systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Manure from farm animals.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Stormwater runoff	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l. Droppings from geese, ducks, & other waterfowl.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. Littering/Illegal dumping of trash.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. Removal of riparian vegetation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o. Runoff of pesticides & herbicides from farm fields.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p. Draining/filling of wetlands.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 7. Consequences of Poor Water Quality

*Poor water quality can lead to a variety of consequences for communities. In your opinion, how much of a problem are the following issues in your area?*

	Not a Problem	Slight Problem	Moderate Problem	Severe Problem	Don't Know
a. Polluted swimming areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Contaminated fish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. High drinking water treatment costs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Loss of desirable fish species	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Reduced beauty of lakes or streams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Reduced opportunities for water recreation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Reduced quality of water recreation activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Excessive aquatic plants or algae	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Lower property values	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Odor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Fish kills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 8. Practices to Improve Water Quality

*The practices below have the potential to improve water quality in your area. Please indicate which statement most accurately describes your level of experience with each practice. Be sure to answer part “a” and part “b” for this set of practices. Do not answer part “b” if the practice does not apply to your property.*

	8a. Please indicate which statement most accurately describes your level of experience with each practice (select only one).						8b. Would you be willing to try or continue using this practice?		
	Does not apply	I've never heard of it.	I've heard of it, but I'm not very familiar with it	I am familiar with it, but I've never done it.	I have tried it, but I no longer do it.	I currently use it.	Yes	No	Maybe
a. Using a rain garden or rain barrels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Using phosphate free fertilizer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Regularly servicing my septic system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Taking used automotive oil to a recycling center	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Taking household waste (chemicals, batteries, florescent light bulbs, etc) to a proper disposal site or community collection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Planting or maintaining vegetated buffers along streams and lakes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Capping of abandoned wells	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	8a. Please indicate which statement most accurately describes your level of experience with each practice (select only one).						8b. Would you be willing to try or continue using this practice?		
	Does not apply	I've never heard of it.	I've heard of it, but I'm not very familiar with it	I am familiar with it, but I've never done it.	I have tried it, but I no longer do it.	I currently use it.	Yes	No	Maybe
h. Keeping my livestock from entering streams (fencing, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Planting or maintaining vegetated buffers along streams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Using cover crops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Using grass waterways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l. Managing tile drainage to control the flow of nutrients	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. Using no-tillage farm practices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. Using reduced tillage farm practices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o. Using Integrated Pest Management (IPM)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p. Using a nutrient management plan for applying fertilizers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
q. Using a nutrient management plan for applying animal manure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
r. Restore or recreate wetlands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
s. Protection of open space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 9. Challenges Associated with Improving Water Quality

***When you make decisions about new management practices for your property, how important is each of the following?***

	Not at all important	Somewhat important	Undecided	Important	Very Important
a. Personal out-of-pocket expense	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. My own views about effective land management methods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. How easily a new practice fits with my current management methods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. The need to learn new skills or methods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Lack of government funds for cost share	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Too much time required for implementation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Not having the equipment that I need.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Lack of available information about a practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. No one else I know is implementing the practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Concerns about reduced yields	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Approval of my neighbors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l. Don't want to participate in government programs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. Requirements or restrictions of government programs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. Possible interference with my flexibility to change land use practices as conditions warrant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o. Uncertainty about the environmental impacts of new practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p. Uncertainty about environmental benefits of practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
q. Previous difficulties working with government representatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
r. Other _____ (Please specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

# 10. Information and Activities

We would like to know which of the following organizations you are familiar with and what contact, if any, you may have had with them. Please answer the following questions about organizations in the community to the best of your knowledge.

<b>Organization/ occupation</b>	<b>Have you heard of, or are you affiliated with, this organization/ occupation?</b>	<b>Have you attended any type of meeting or volunteer day sponsored by this organization/ occupation?</b>	<b>Do you discuss water quality issues with this organization/ occupation?</b>	<b>Brief description of positive or negative experiences when working with organization/occupation.</b>
a. Munuscong River Watershed Project	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
b. Natural Resource Conservation Service	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
c. Conservation District	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
d. Lake Superior State University	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
e. MI Department of Natural Resources and Environment	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
f. Michigan State University Extension	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
g. Farm Service Agency	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
h. County Health Department	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
i. County Surveyors	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
j. MI Farm Bureau	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
k. MI Department of Agriculture	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
l. Septic System Service	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
m. Other Landowners/Residents	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
n. Other _____ (please specify)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

10 b. I've heard about water quality problems from the following (check all that apply).

- |                                     |                                      |  |
|-------------------------------------|--------------------------------------|--|
| <input type="checkbox"/> Brochures  | <input type="checkbox"/> Radio       | <input type="checkbox"/> Friends/Family  |
| <input type="checkbox"/> Newspapers | <input type="checkbox"/> Newsletters | <input type="checkbox"/> Public Meetings |
| <input type="checkbox"/> Internet   | <input type="checkbox"/> Magazines   |  |

# 11. About Your Farm Operation

a. Which of the following best describes your position as a farm operator? (check all that apply)

- Non-Farmer (move onto Question 12)
- Sole owner and operator
- Operator only
- Partnership with spouse
- Partnership with other family member
- Partnership with non-family member
- Rent farmland to others who are farm operators
- Rent farmland from others
- Farm manager
- Other \_\_\_\_\_

b. How many years have you been farming at your property? \_\_\_\_\_

c. Did any family member own and operate the farm before you did?

- No
- Yes, number of total years in the family \_\_\_\_\_

d. How likely is it that any family member may continue farm operations when you retire or quit farming?

- Will not happen
- Likely
- Will definitely happen

e. Estimate the tillable acreage (owned and/or rented) of your farming operation this year.

- 1-9 acres
- 10-49 acres
- 50-69 acres
- 70-99 acres
- 100-139 acres
- 140-179 acres
- 180-219 acres
- 220-259 acres
- 260-499 acres
- 500-999 acres
- 1,000-1,999 acres
- 2,000 or more acres

f. This year, how many acres of the following do you manage?

Oats	_____	acres
Small grains	_____	acres
Alfalfa (new seeding)	_____	acres
Alfalfa (established stands)	_____	acres
Clover	_____	acres
Pasture	_____	acres
Set aside or CRP	_____	acres
Other _____	_____	acres

g. How many of the following animals are part of your farming operation? (average herd size)

_____	Dairy cattle, including heifers and young stock
_____	Beef cattle, including young stock
_____	Hogs
_____	Poultry
_____	Other livestock (specify) _____
_____	None

## 12. About You

a. Which of the following best describes where you live? (check only one)

- In a town, village, or city
- In a rural non-farm residence
- On a farm

b. What is your gender?

- Male
- Female

c. What is your age? \_\_\_\_\_

d. How long have you lived at your current residence? \_\_\_\_\_ years

e. What was your total household income last year?

- Less than \$24,999
- \$25,000 to \$49,999
- \$50,000 to \$74,999
- \$75,999 to \$99,999
- \$100,000 or more

f. What is the highest grade in school that you have completed?

- Less than high school graduate
- High school graduate
- Some college/post high school
- 4 year college graduate
- Post-graduate

g. Does your property have waterfront?

- Yes
- No

h. Do you use a professional lawn care service?

- Yes, just for mowing
- Yes, just for fertilizing
- Yes, just for pest control (including herbicide)
- Yes, some combination of mowing, fertilizing, and pest control
- No

i. Do you use either pesticides or herbicides on your lawn?

- Yes
- No

j. Do you use fertilizer on your lawn?

- Yes
- No

k. If so, have you ever had your soil tested to determine your fertilizer needs?

- Yes
- No, it is too expensive
- No, I don't know how
- No, I didn't know soil testing was important
- Other \_\_\_\_\_

l. Do you have a flowing (artesian) well?

- Yes, \_\_\_\_\_ years old
- No

m. If yes, estimate how much water flows per minute?

- 0 to 1 gallons per min
- 2 to 5 gallons per min
- 6 to 10 gallons per min
- Greater than 10 gallons per min

n. Have you participated in a cost share program?

- Yes
- No

o. If so, with what agency/organization?

\_\_\_\_\_

p. If yes to n, what program and would participate in a cost share program again?

Program \_\_\_\_\_

Participate again?

- Yes
- No

Thank you for your time and assistance! Please return your completed questionnaire in the postage-paid envelope provided. Please use the space below for any additional comments about this survey or water resource issues in your community.



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