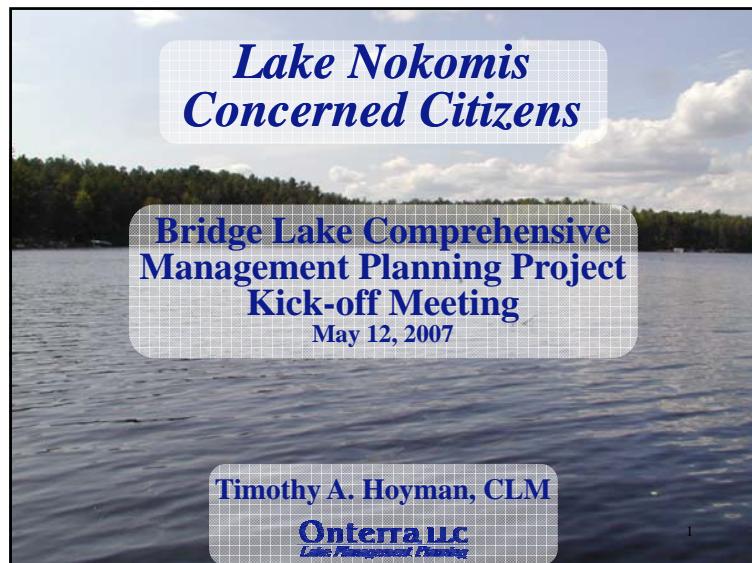


A

APPENDIX A

Public Participation Materials



Presentation Outline

- Introduction to Lake Ecology
- Current Lake Project
 - Goals
 - Components
 - Process
- Bridge & Nokomis EWM



1

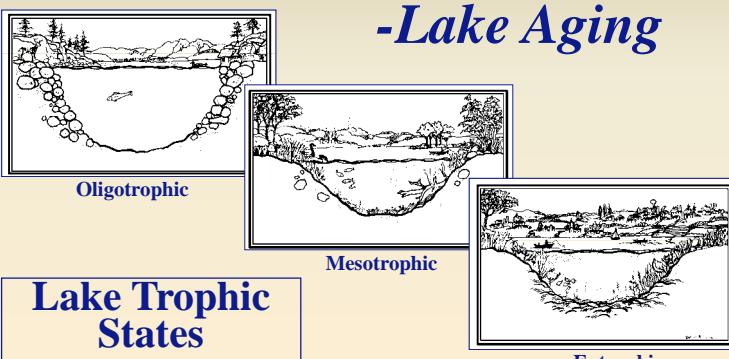
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General Lake Ecology

Eutrophication
-Lake Aging


Oligotrophic Mesotrophic Eutrophic

Lake Trophic States

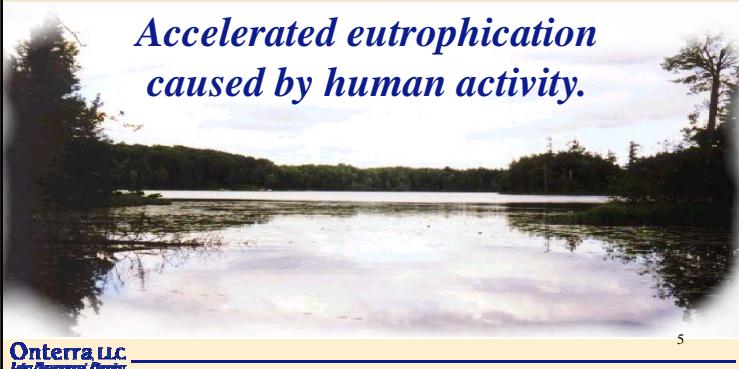
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Lake Management Planning

4

General Lake Ecology

Cultural Eutrophication

*Accelerated eutrophication
caused by human activity.*



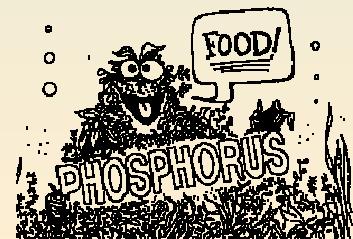
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Lake Management Planning

5

General Lake Ecology

Phosphorus

- Limiting Nutrient
- Controls Plant Abundance (Productivity)
- Algae
- Macrophytes



6

General Lake Ecology

Aquatic Plants (macrophytes)

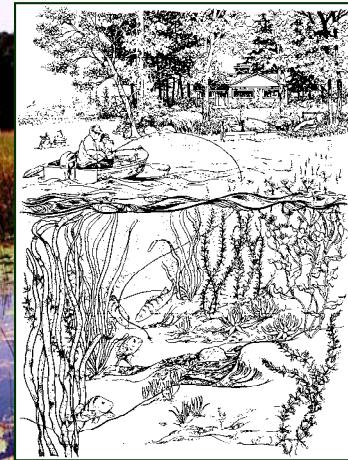
- Native Plants

- Exotic Plants (non-native)



7

Native Aquatic Plants



8

- Base of the Food Web
- Cover (not only fish)
- Nursery
- Sediment Stabilization

General Lake Ecology

Non-native Aquatic Plants**Curly-leaf Pondweed**

9

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General Lake Ecology

Non-native Aquatic Plants**Eurasian Water Milfoil**

10

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Lake Management Planning

General Lake Ecology

Consequences of Exotics

- Competition with Natives
 - Monotypic Community
- Decreased Recreational Value
- Decreased Property Value



11

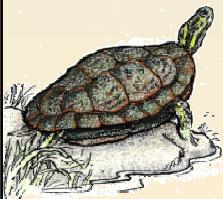
Onterra LLC
Lake Management Planning**Comprehensive Lake Management Plan**

12

Current Project

Study and Plan Goals

- Collect & Analyze Data
- Construct Long-Term & Useable Plan



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Lake Management Planning

13

Current Project

Study Components

- Public Participation
- Watershed Modeling
- Water Quality
- Aquatic Vegetation
 - Curly-leaf Survey *Completed - None Found*
- Comprehensive Survey *Completed - WDNR/Onterra*
- Treatment Monitoring *Pre-treatment Completed*
- Plan Development

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14

Current Project

Planning Process

Planning Committee Meetings

- Study Results (including a stakeholder survey)
- Conclusions & Initial Recommendations
- Management Goals
- Management Actions
 - Timeframe
 - Facilitator(s)

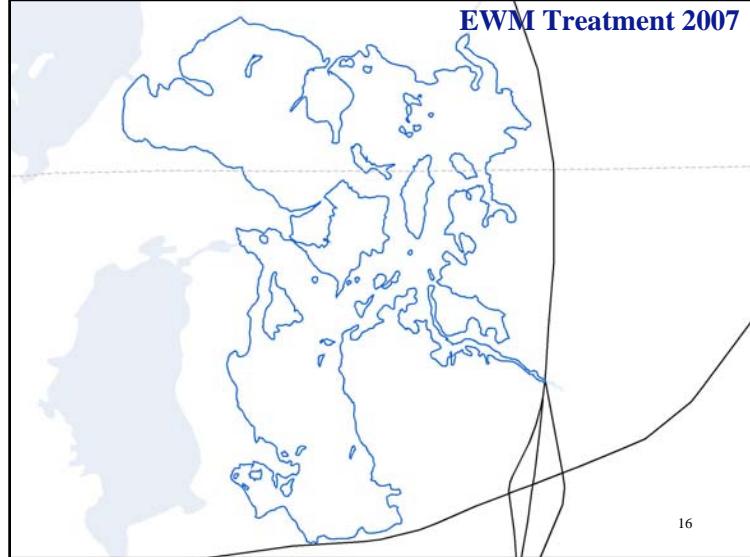
Implementation Plan



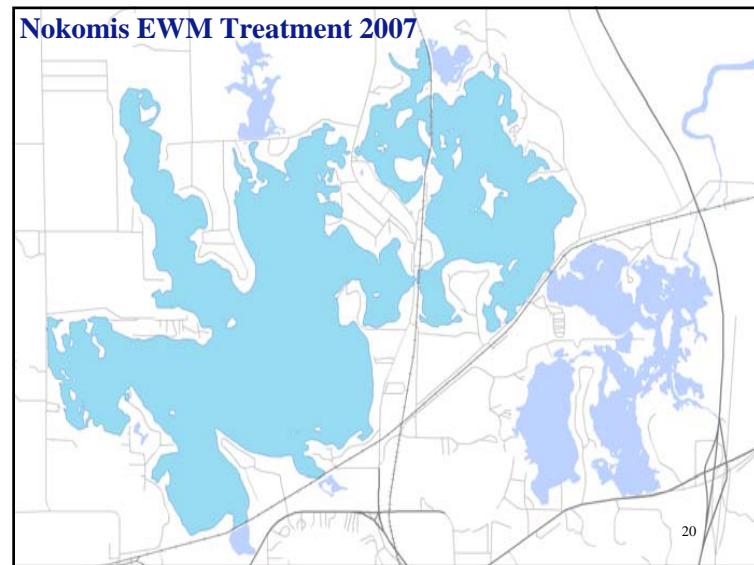
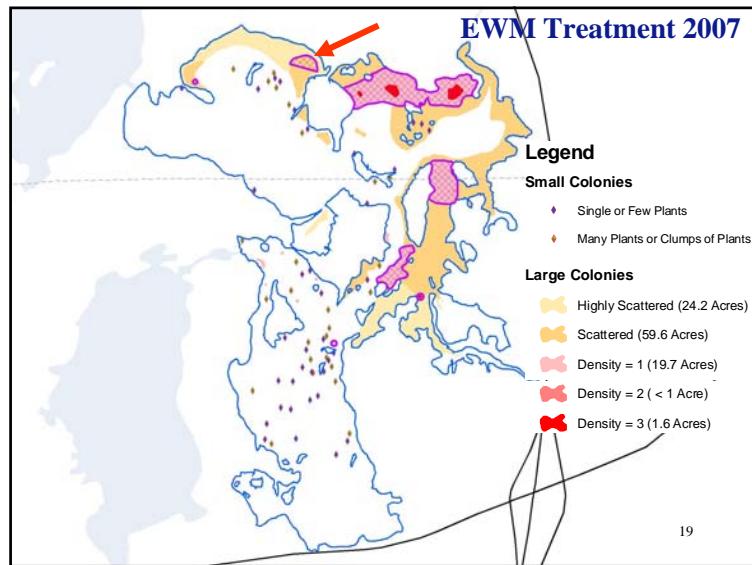
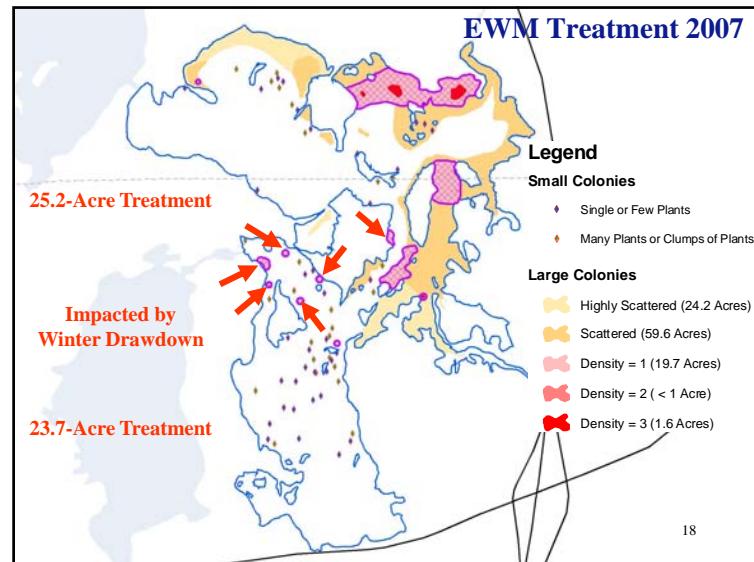
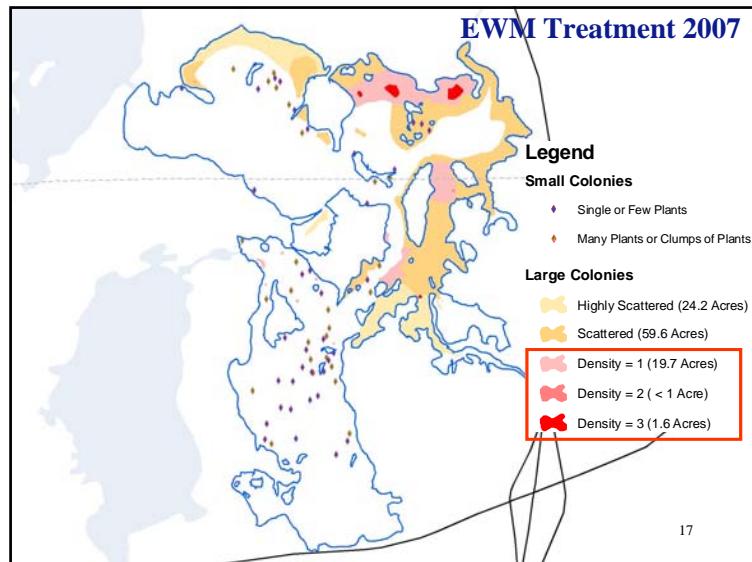
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Lake Management Planning

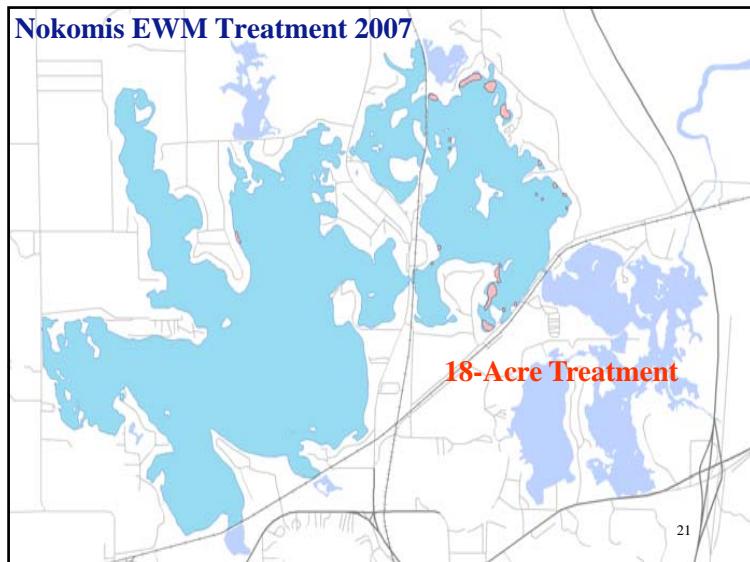
15

EWM Treatment 2007



16





Lake Nokomis Concerned Citizens – Bridge Lake Management Planning Project

On Saturday, May 12th, the Lake Nokomis Concerned Citizens held a project kick-off meeting for the Bridge Lake Management Planning project that began last fall. The project's intent is to assemble the required data and information necessary to create a realistic management plan for Bridge Lake. Much of the plan will likely deal with aquatic plant management issues associated with exotic and native vegetation within the lake, but it will also include components regarding water quality, continued stakeholder involvement, and watershed impacts.

During the meeting, Tim Hoyman, an aquatic ecologist with Onterra, LLC out of De Pere, WI gave a presentation discussing the project, its components, methods, and goals. During his presentation, Tim also described the *eutrophication* process, which is basically a lake's ability to produce more biomass as it ages. One way Bridge Lake shows its productivity is through the large amount of aquatic plant biomass it supports. All lakes progress through different trophic states as they age and each state represents a different level of production within the lake. Lakes with low levels of productivity are called "oligotrophic", while lakes with high rates of production are called "eutrophic". Mesotrophic lakes are in a trophic state of moderate productivity. All lakes progress through these trophic states naturally. Unfortunately, the eutrophication process in most lakes has been accelerated as a result of human activities in their watersheds and on their shorelands. The eutrophication process is distinctly accelerated in flowages because of their unnaturally large watersheds. These large watersheds deliver large amounts of nutrients to the flowages which fuels plant growth. A primary focus of the Bridge Lake management plan will be to find ways to manage the plant growth so the lake can remain healthy and support the recreational activities everyone enjoys.

Tim will be working closely with a new committee formed to complete the lake management plan. The LNCC Planning Committee will be chaired by Peter Lloyd and will act as the primary contact point for Onterra during the planning process. The Planning Committee will create and disburse a stakeholder survey to all Bridge Lake riparian households. It is hoped that each household will complete the survey so the information can be used in the development of the management plan. The survey will be one way that Bridge Lake property owners can express their feelings about the management of Bridge Lake.

The survey will be mailed sometime in June with responses being requested by the end of July. The Planning Committee will meet with Tim multiple times during the fall and winter, with the management plan being completed next spring.

If you have questions regarding the lake management project on Bridge Lake, please feel free to contact Tim Hoyman at thoyman@onterra-eco.com or by writing to:
Onterra, LLC
135 South Broadway Suite C
De Pere, WI 54115.

Bridge Lake Management Planning Project

Update – September 2007

Submitted by:

Tim Hoyman

Aquatic Ecologist

Onterra, LLC

As summer winds down, so does another very busy field season. During our travels we were fortunate to be able to visit Bridge Lake numerous times. The first time was in early spring during the pre-treatment surveys when we refined the Eurasian water milfoil (EWM) treatment areas that were determined the year before, and completed quantitative sampling in each area. Based upon those studies, a few small areas that were near shore were dropped from the treatment, which allowed for nearly an acre and a half of treatment to be added in the northwest bay of the lake. These treatment areas, along with numerous other topics were discussed during the project kick-off meeting that was held on May 12th.

During the fourth week of August, post treatment surveys of Bridge Lake were completed to assess the impact of the treatments completed in May. All treatment sites were monitored and very little EWM was found in any of the treatment areas, indicating that the treatments were a success. During the same trip, remaining areas of EWM were mapped and will be used to develop a treatment plan for 2008.

We also visited the lake five times since February to collect water quality samples. The final samples will be collected this fall. Analysis will begin once all of the results are received from the Wisconsin State Laboratory of Hygiene later this fall.

An important milestone in the project was reached when the stakeholder surveys were mailed out by the LNCC Bridge Lake Planning Committee at the end of August. Thank you to Peter Lloyd and the other committee members that were instrumental in the development and disbursement of the survey. The committee asked that all surveys be returned by September 21st; however, if you have not returned yours as of yet, please take the time to complete it and mail it in the envelope that was provided. This is a very important aspect of the planning process because it is an excellent method for Bridge Lake stakeholders to get their ideas and thoughts into the mix that will become the Bridge Lake Management Plan.

The next few months will be busy with data analysis and the development of the management plan. Once the plan is developed, a public meeting called a “Project Wrap-up Meeting” will be held to present the study results and the management plan to all interested folks.

**Lake Nokomis
Concerned Citizens**

**Bridge Lake Comprehensive
Management Planning Project**
Planning Meeting I
October 30, 2007

Tim Hoyman
&
Eddie Heath
Onterra LLC
Lake Management Planning

1

Presentation Outline

- Current Lake Project Overview
- Study Results
 - Watershed
 - Water Quality
 - 2007 EWM Treatment
 - Aquatic Plants
 - Stakeholder Survey
- Discussion
- Management Goals

Onterra LLC
Lake Management Planning

2

Current Project

Study and Plan Goals

- Collect & Analyze Data
- Construct Long-Term & Useable Plan

Onterra LLC
Lake Management Planning

3

Current Project

Study Components

- Public Participation
- Watershed Modeling
- Water Quality
- Aquatic Vegetation
 - Curly-leaf Survey *Completed - None Found*
 - Comprehensive Survey *Completed - WDNR/Onterra*
- Treatment Monitoring *Pre & Post Completed*
- Plan Development

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Lake Management Planning

4

Current Project

Planning Process

Planning Committee Meetings

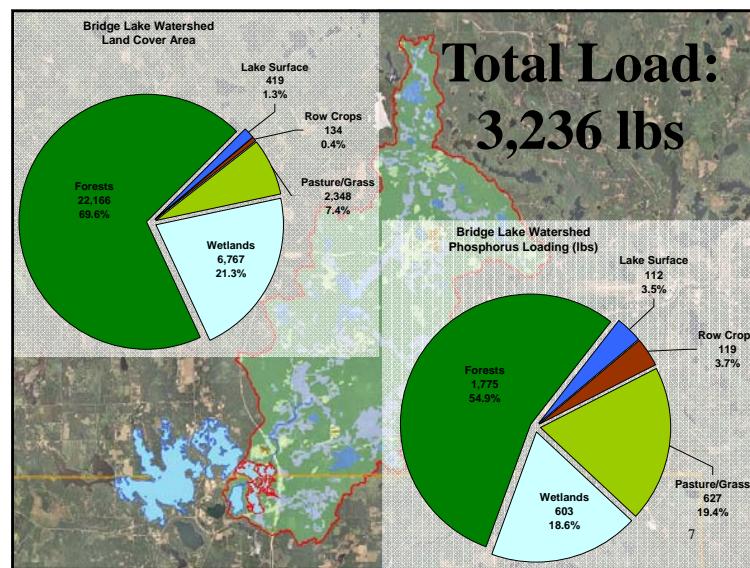
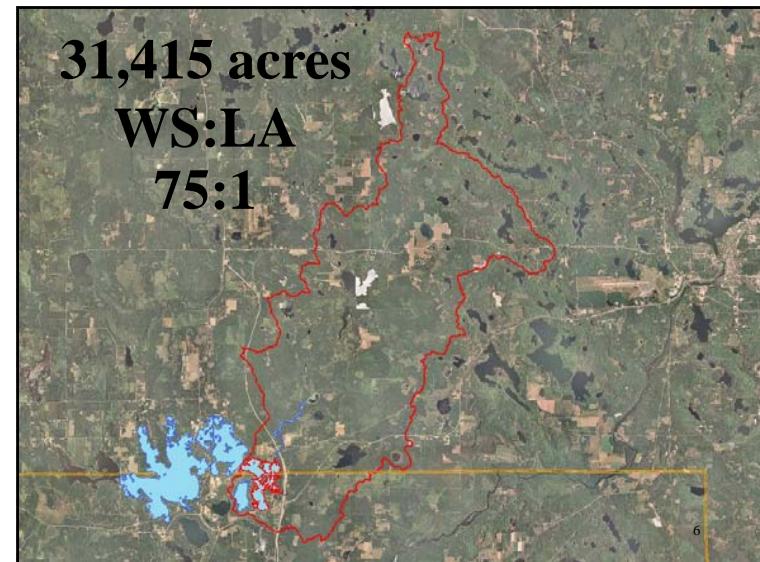
- Study Results (including a stakeholder survey)
- Conclusions & Initial Recommendations
- Management Goals
- Management Actions
 - Timeframe
 - Facilitator(s)

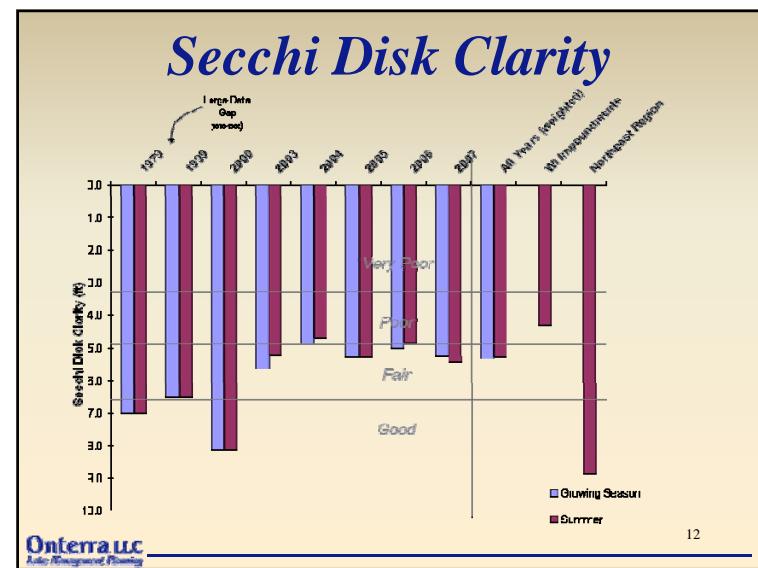
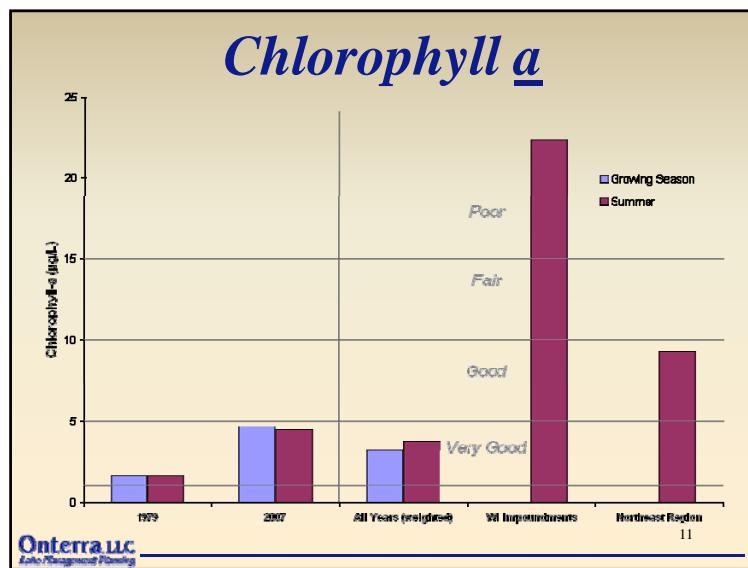
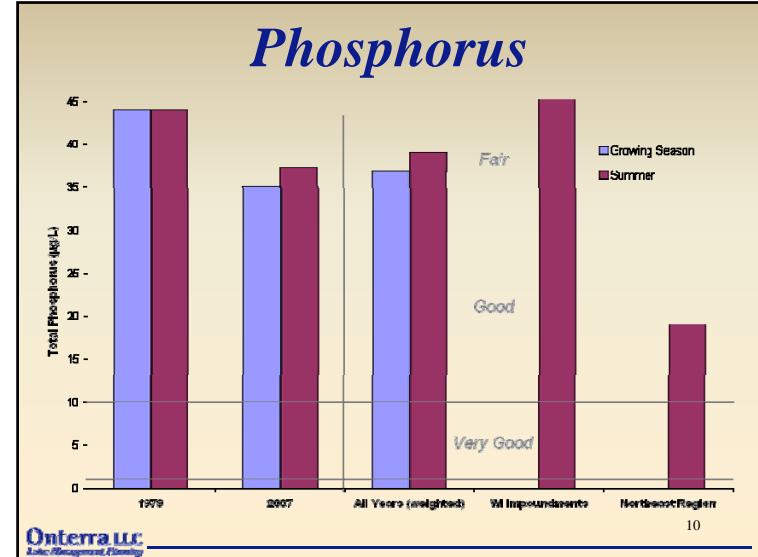
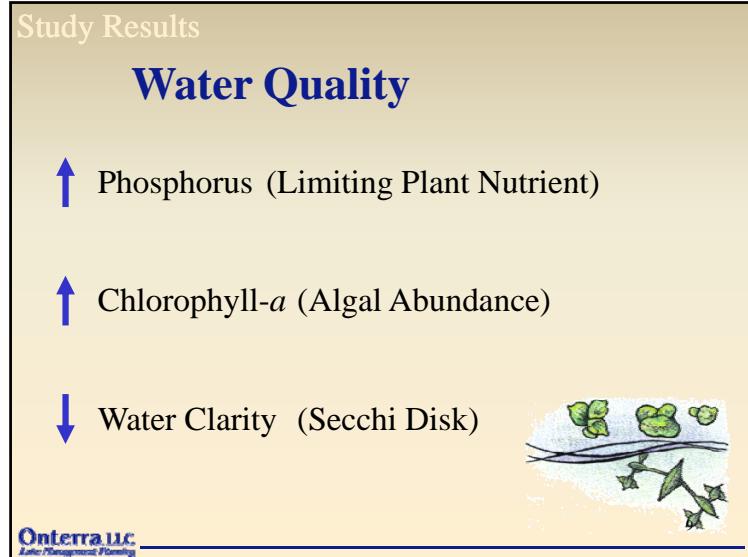
Implementation Plan

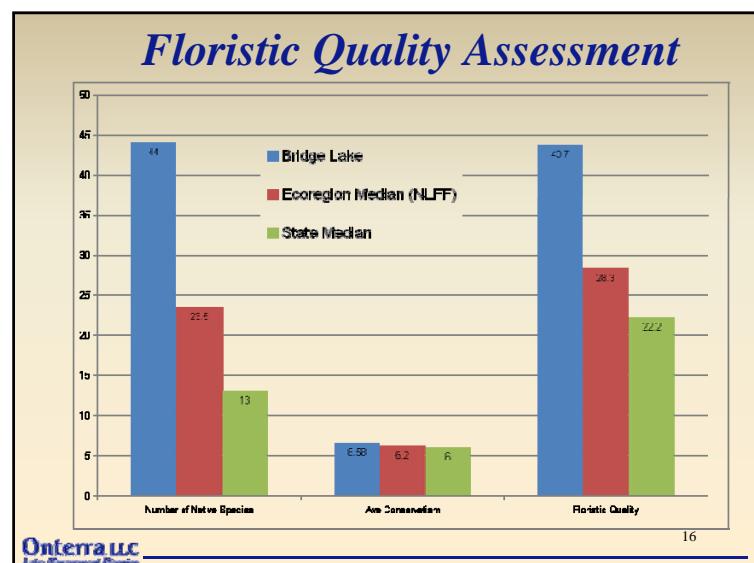
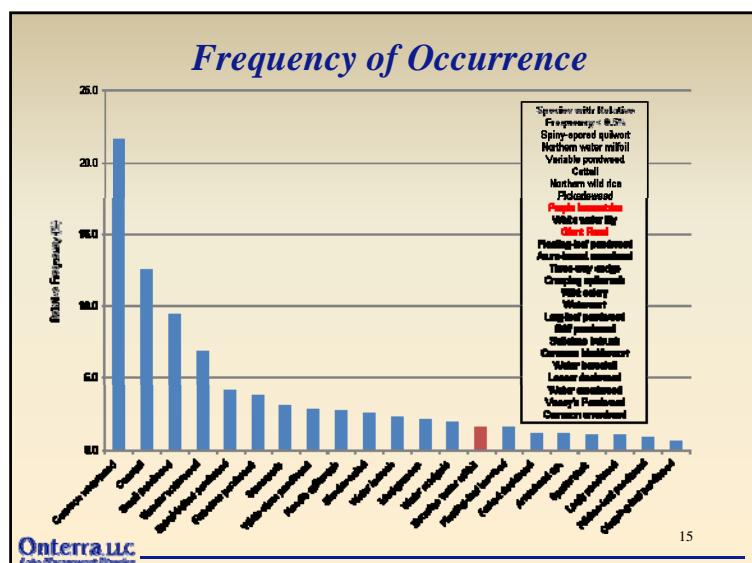
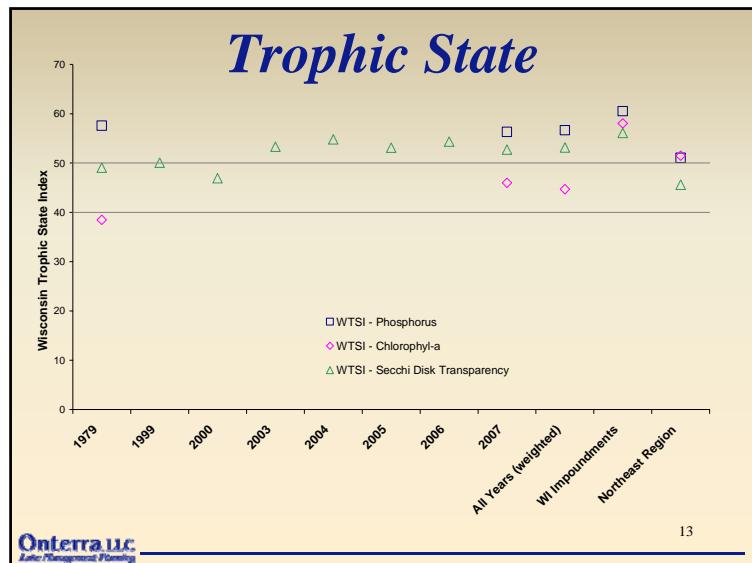


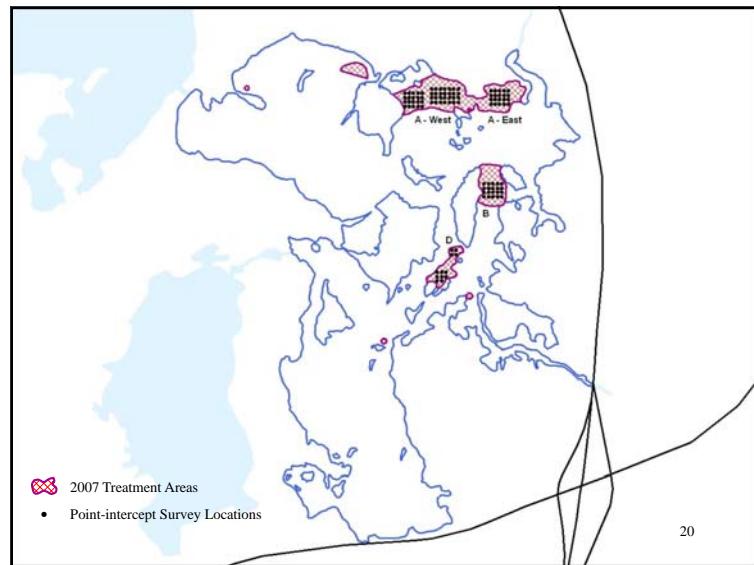
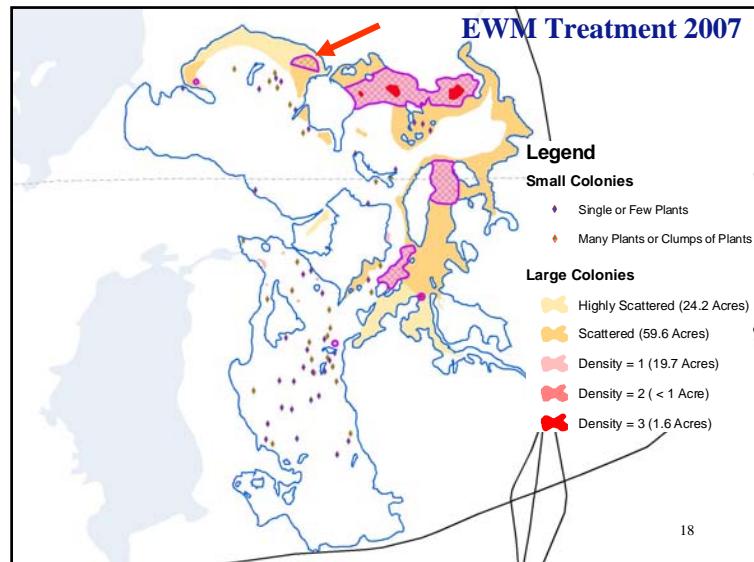
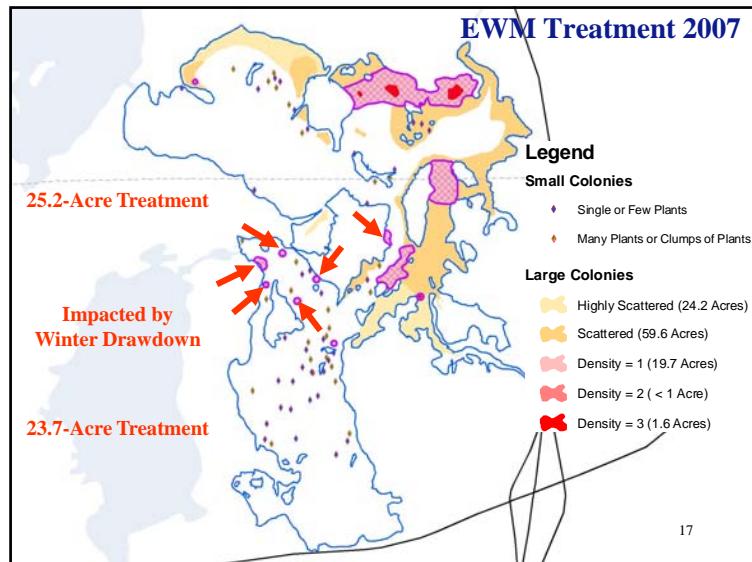
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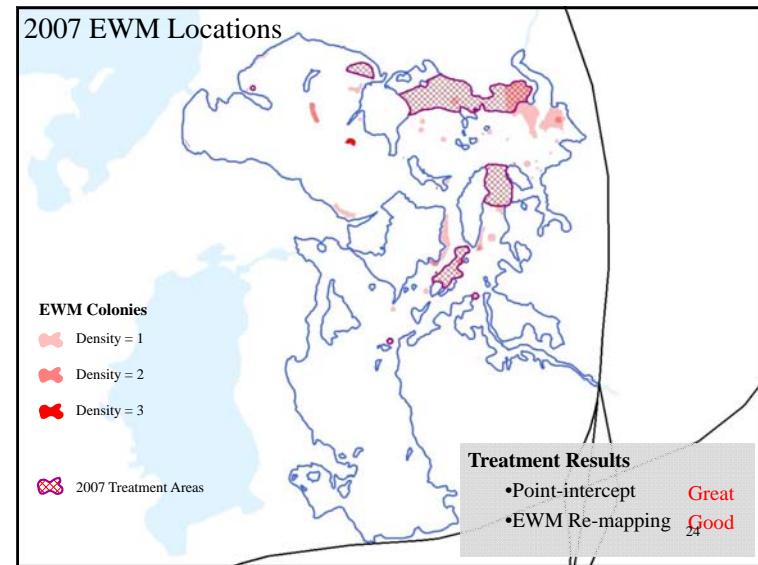
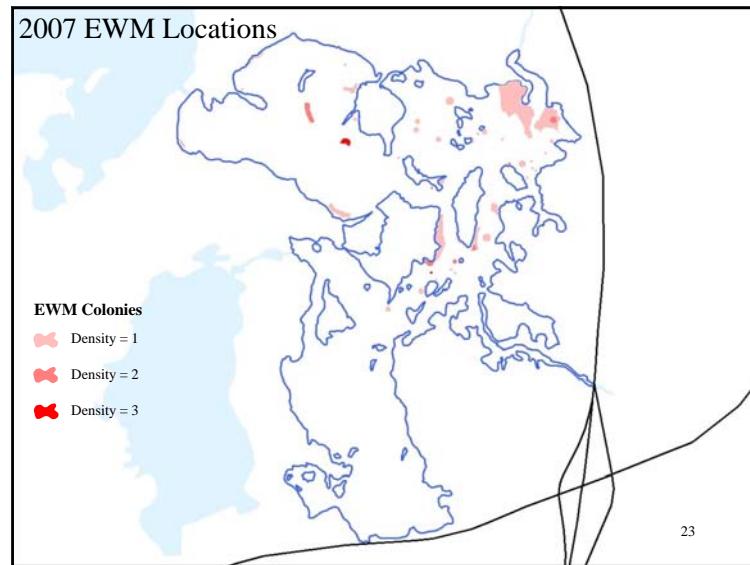
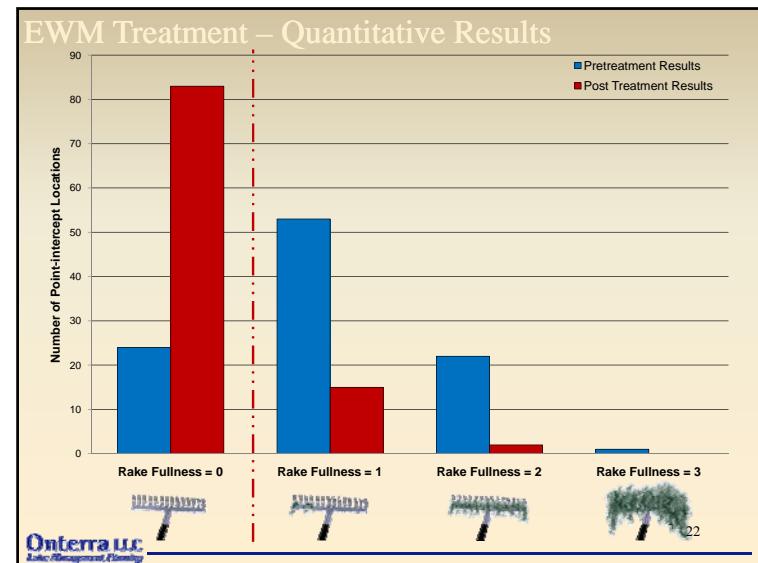
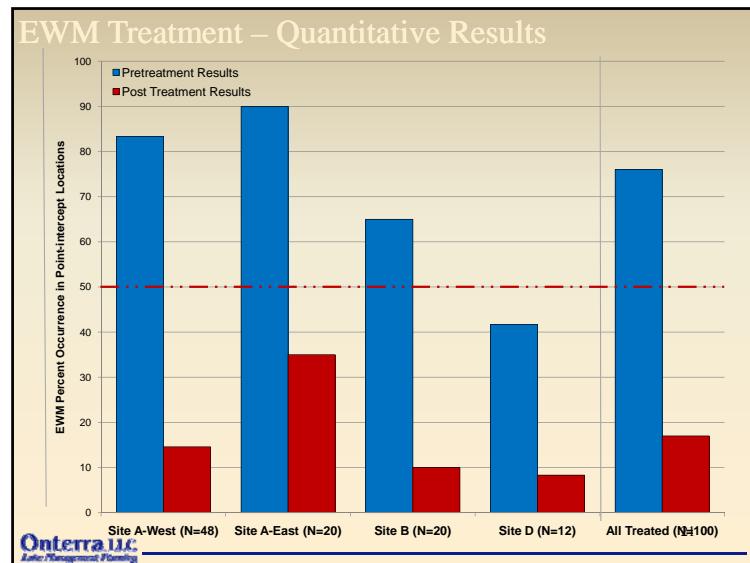
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Land Management Planning











**Lake Nokomis
Concerned Citizens**

**Bridge Lake
Comprehensive Management
Planning Project Wrap-Up Meeting
and
AIS Control Project Kick-Off Meeting**
June 7, 2008

**Tim Hoyman, CLM
Aquatic Ecologist**
Onterra LLC
Lake Management Planning

Presentation Outline

- Lake Management Planning Project Overview
- Study Results
 - Watershed
 - Water Quality
 - Aquatic Plants
 - Stakeholder Survey
- Conclusions
- Implementation Plan
- AIS Control Project Overview
- 2007 and 2008 EWM Treatments
- Volunteer Opportunities

Onterra LLC
Lake Management Planning



Planning Project

Study and Plan Goals

- Collect & Analyze Data
- Construct Long-Term & Useable Plan



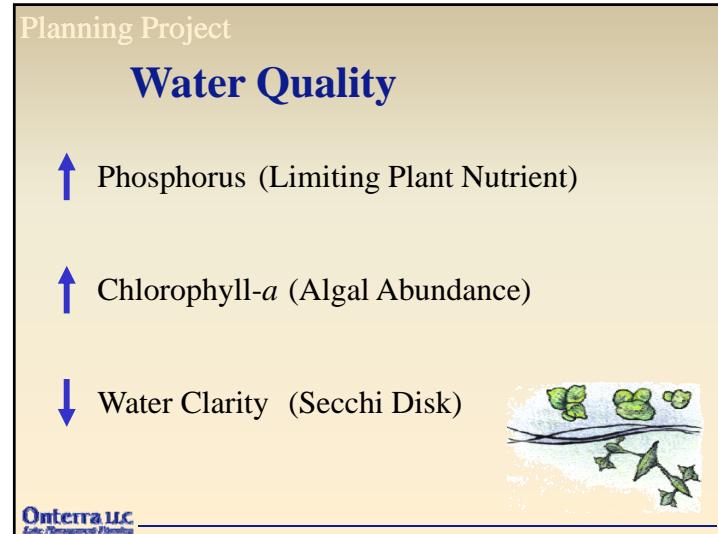
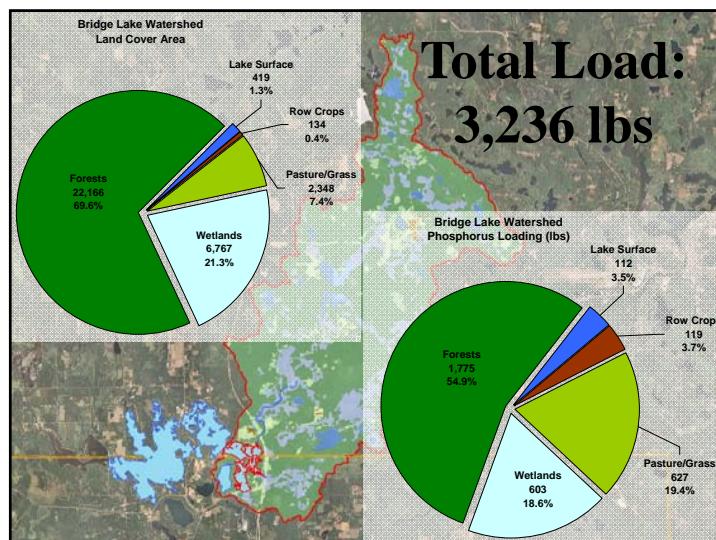
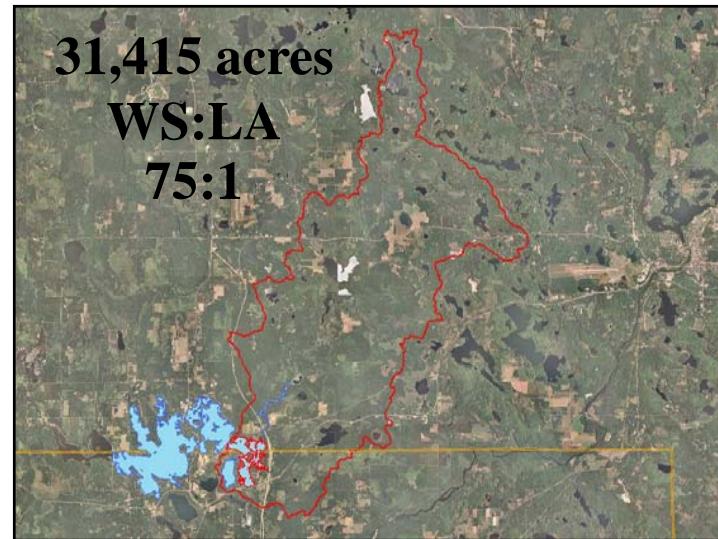
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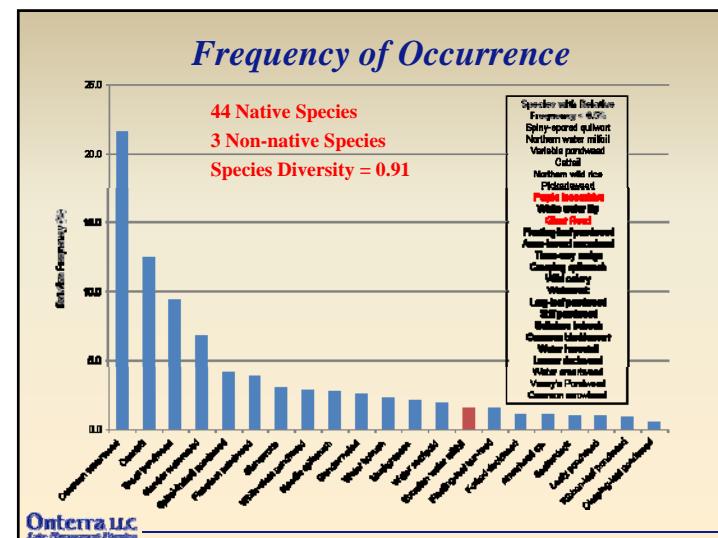
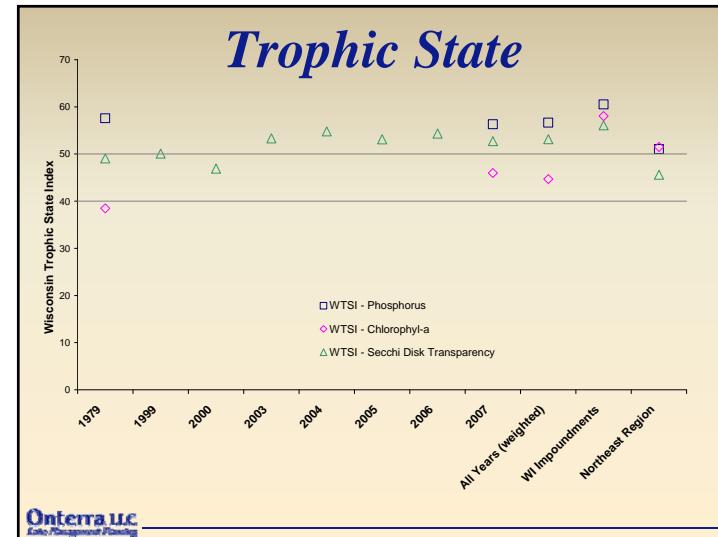
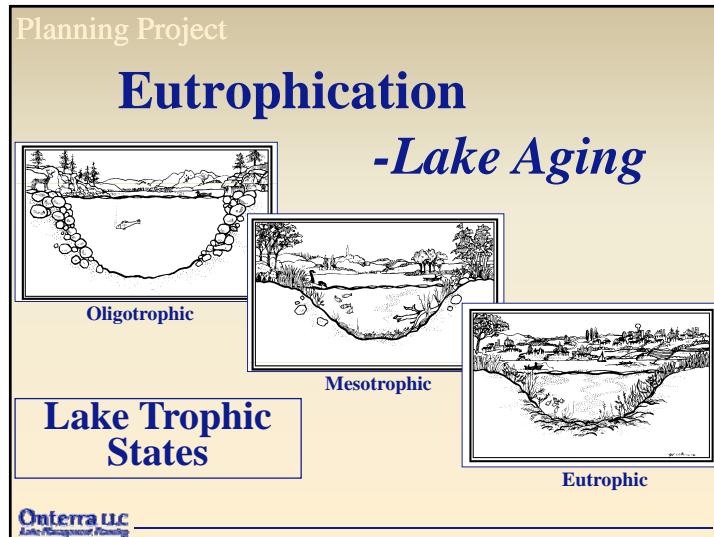
Planning Project

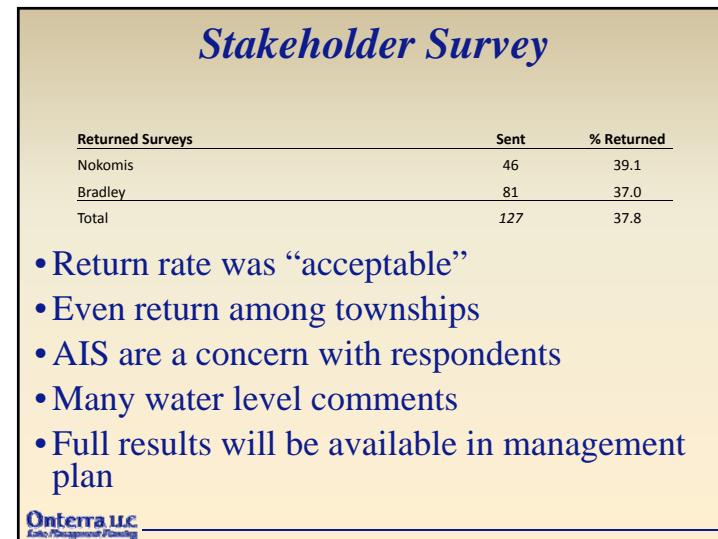
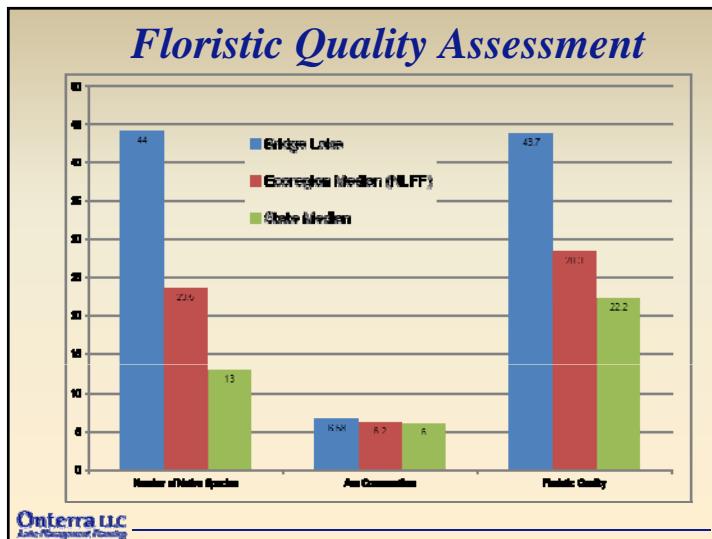
Study Components

- Public Participation
- Watershed Modeling
- Water Quality
- Aquatic Vegetation
 - Curly-leaf Survey *Completed - None Found*
 - Comprehensive Survey *Completed - WDNR/Onterra*
 - Treatment Monitoring
 - Plan Development

Onterra LLC
Lake Management Planning







Planning Project

Conclusions

- Bridge Lake is a shallow lake with a large watershed that supplies a great deal of phosphorus and sediment to the lake.
- The lake is productive, but has better water quality than most Wisconsin impoundments.
- Limited historic data indicates that water quality has remained the same over the past two decades.

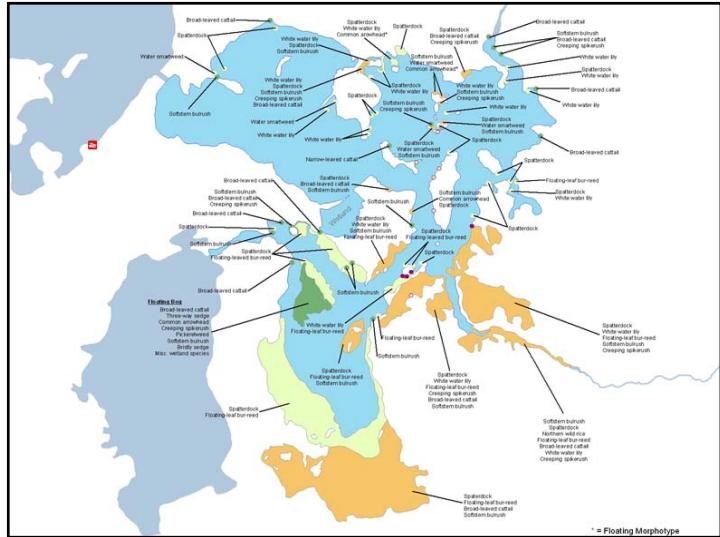
Onterra LLC
Lake Management Planning

Planning Project

Conclusions

- Aquatic plant community of Bridge Lake is outstanding.
- The plants provide excellent habitat for fish and other wildlife.
- Southern area of lake has filled in with emergent plants (and sediment) making navigation to open water difficult for some riparian property owners.

Onterra LLC
Lake Management Planning



Planning Project Conclusions

- Eurasian water milfoil infestation is a major threat to native plant habitat and recreation on the lake.
- 2,4-D treatments are effective for controlling EWM on the lake.
- Water levels are a major concern of many riparian property owners.

Onterra LLC
Lake Management Planning

Planning Project Water Levels



Planning Project**Conclusions**

- Eurasian water milfoil infestation is a major threat to native plant habitat and recreation on the lake.
- 2,4-D treatments are effective for controlling EWM on the lake.
- Water levels are a major concern of many riparian property owners.
- Many misconceptions occur regarding water levels and WVIC's management of them.

Onterra LLC
Lake Management Planning**Planning Project****Goal 1: Maintain Current Water Quality Conditions*****Management Actions***

1. Monitor water quality through WDNR Citizens Lake Monitoring Network.
2. Reduce phosphorus and sediment loads from immediate watershed.

Onterra LLC
Lake Management Planning**Planning Project****Goal 2: Control AIS within Bridge Lake*****Management Actions***

1. Initiate Clean Boats/Clean Waters water craft inspections at Rice River Reservoir public access sites.
2. Reduce occurrence of purple loosestrife on Bridge Lake shorelands.
3. Control Eurasian water milfoil within Bridge Lake.
4. Buoy dense beds of Eurasian water milfoil to reduce spread via fragmentation caused by watercraft.

Onterra LLC
Lake Management Planning**Planning Project****Goal 3: Improve understanding of Bridge Lake, the Rice River Reservoir, and the operations of the WVIC among stakeholders*****Management Actions***

1. Create series of newsletter articles addressing specific and relevant topics of interest to Bridge Lake stakeholders.
2. Monitoring of water levels by Bridge Lake volunteer.
3. Research and develop plan to slow the advancement of native bulrushes and cattails in southern portion of Bridge Lake.

Onterra LLC
Lake Management Planning

Planning Project

Goal 4: Improve safety on Bridge Lake

Management Actions

1. Mark navigational hazards and no-wake areas on lake.
2. Riparian landowners monitor for unsafe or prohibited activities on Bridge Lake.
3. Investigate creation and enforcement of slow-no-wake hours on Bridge Lake.

Onterra LLC
Lake Management Planning

Thank You

Many of the graphics used in this presentation were supplied by:

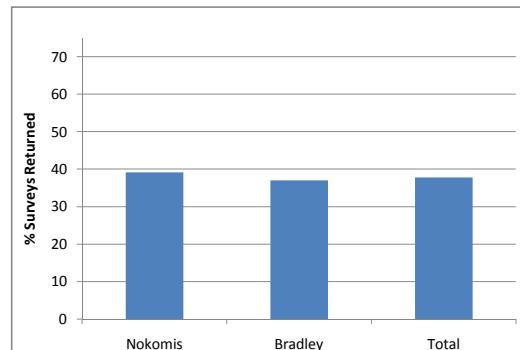


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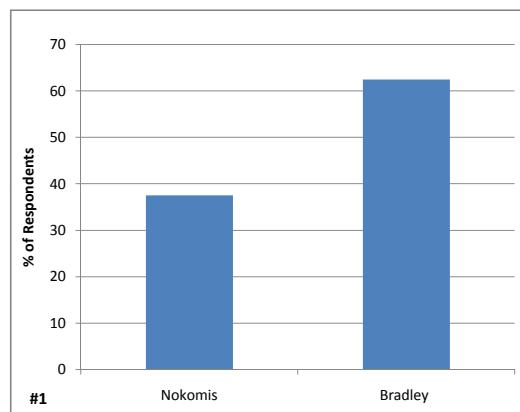
APPENDIX B

Stakeholder Survey Response Charts and Comments

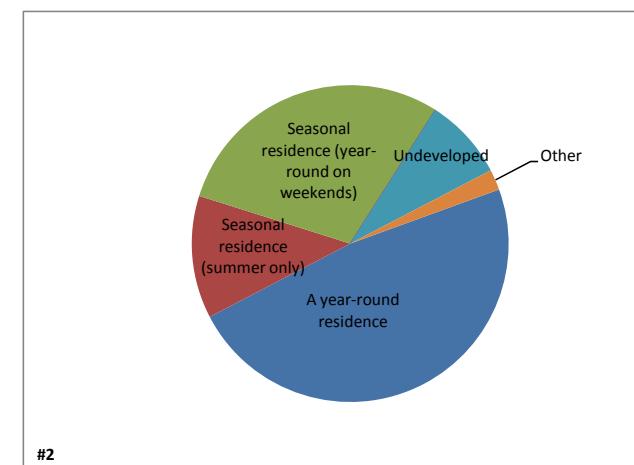
Returned Surveys	Sent	% Returned
Nokomis	46	39.1
Bradley	81	37.0
Total	127	37.8



#1 In which township is your Bridge Lake property located?	%
Nokomis	18
Bradley	30
	48

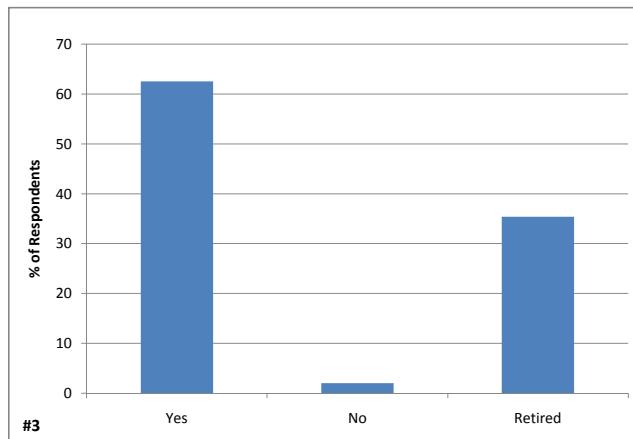


#2 What type of property do you own on Bridge Lake?	%
A year-round residence	23
Seasonal residence (summer only)	6
Seasonal residence (year-round on weekends)	14
Rental property	0
Undeveloped	4
Other (please specify)	1
	48



#3 Are you currently employed?

	30	62.5	%
Yes	1	2.1	
No	17	35.4	
Retired	48		

**If you are not a year-round resident, how many days each year is your property used by you or others?**

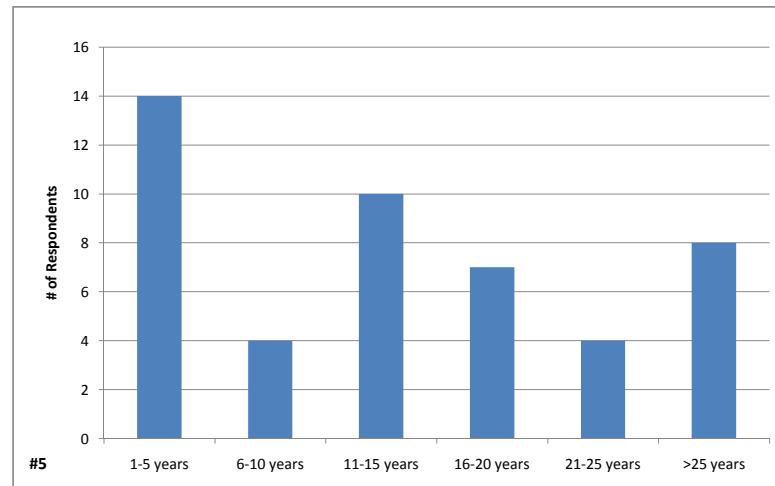
Answered Question	21
Average	99.3
Standard Deviation	66.0

How many years have you owned property on Bridge Lake?

Answered Question	47
Average	17.1
Standard Deviation	16.1

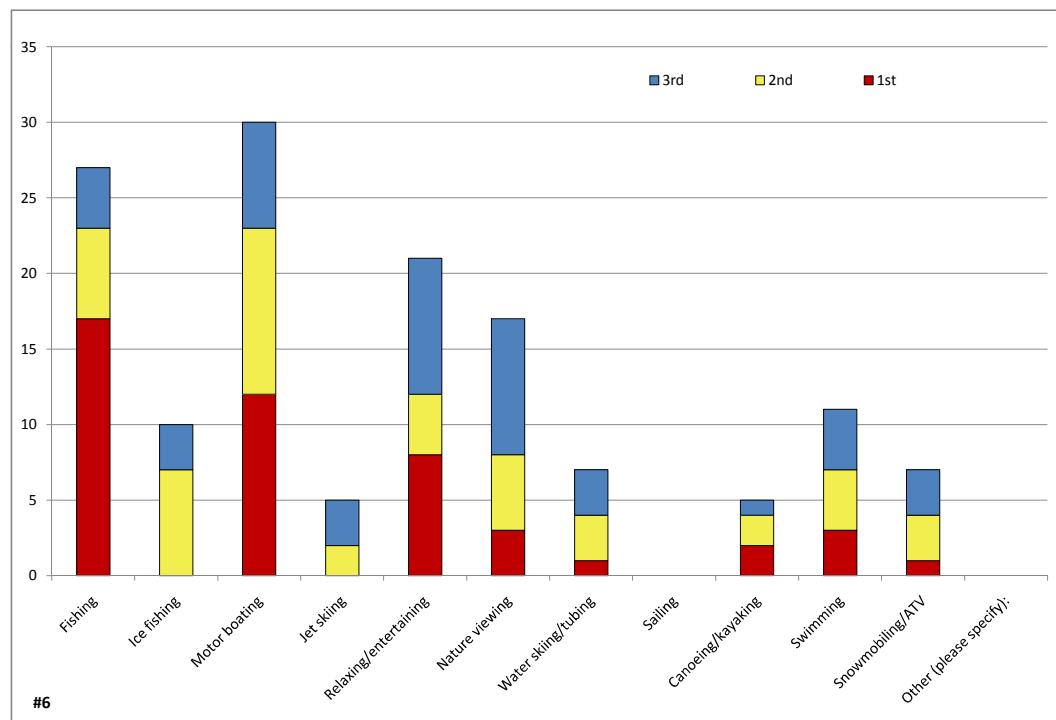
How many years have you owned property on Bridge Lake?

Answered Question	47
1-5 years	14
6-10 years	4
11-15 years	10
16-20 years	7
21-25 years	4
>25 years	8



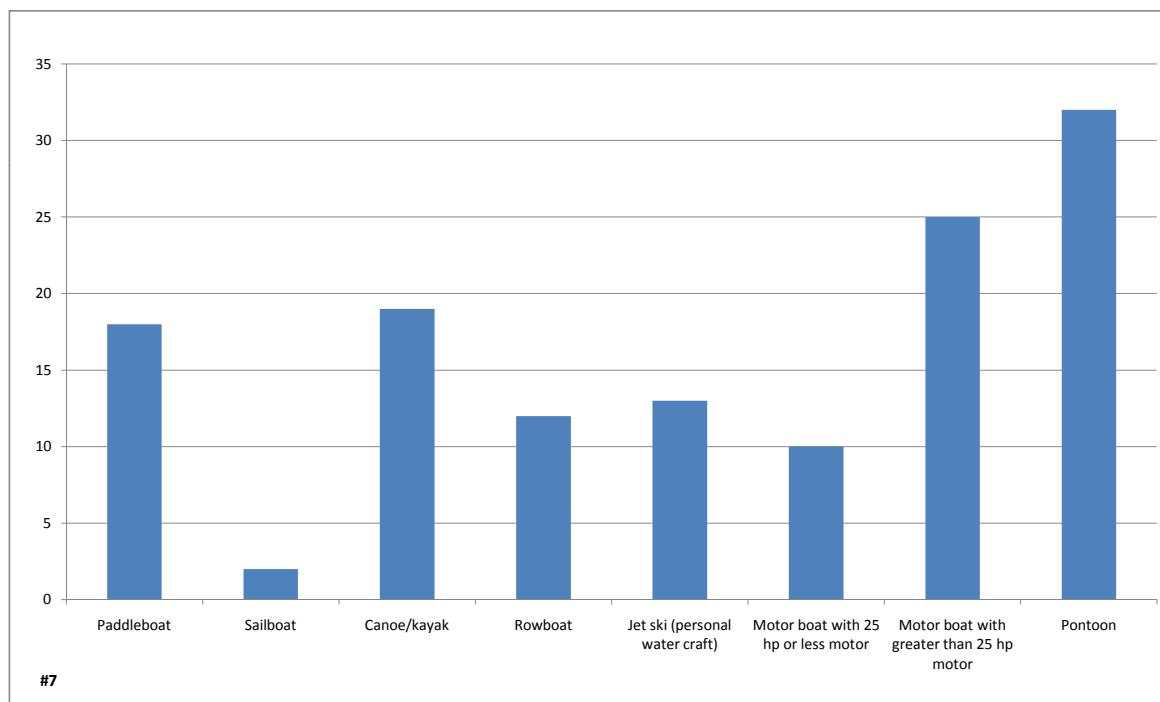
Please rank the activities below that are the most

#6 important or enjoyable to you on Bridge Lake?	1st	2nd	3rd
Fishing	17	6	4
Ice fishing	0	7	3
Motor boating	12	11	7
Jet skiing	0	2	3
Relaxing/entertaining	8	4	9
Nature viewing	3	5	9
Water skiing/tubing	1	3	3
Sailing	0	0	0
Canoeing/kayaking	2	2	1
Swimming	3	4	4
Snowmobiling/ATV	1	3	3
Other (please specify):	0	0	0
	47	47	46



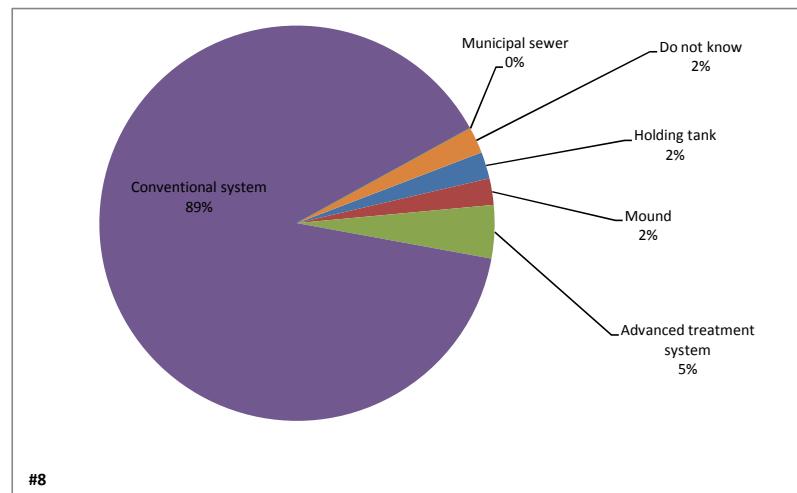
**What types of watercraft do you currently
#7 use on Bridge Lake?**

Paddleboat	18
Sailboat	2
Canoe/kayak	19
Rowboat	12
Jet ski (personal water craft)	13
Motor boat with 25 hp or less motor	10
Motor boat with greater than 25 hp motor	25
Pontoon	32



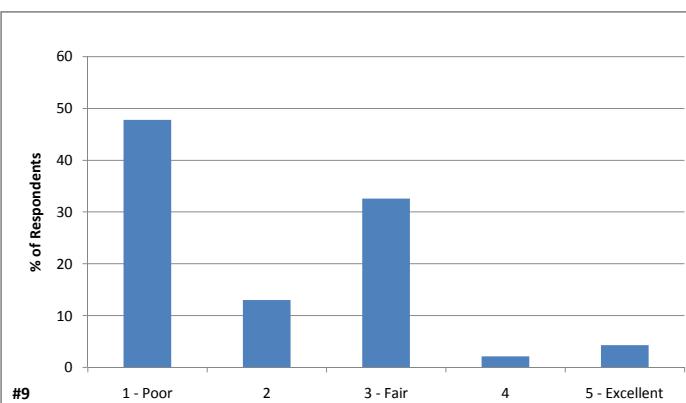
#8 What type of septic system does your property utilize?

Holding tank	1
Mound	1
Advanced treatment system	2
Conventional system	41
Municipal sewer	0
Do not know	1
	46



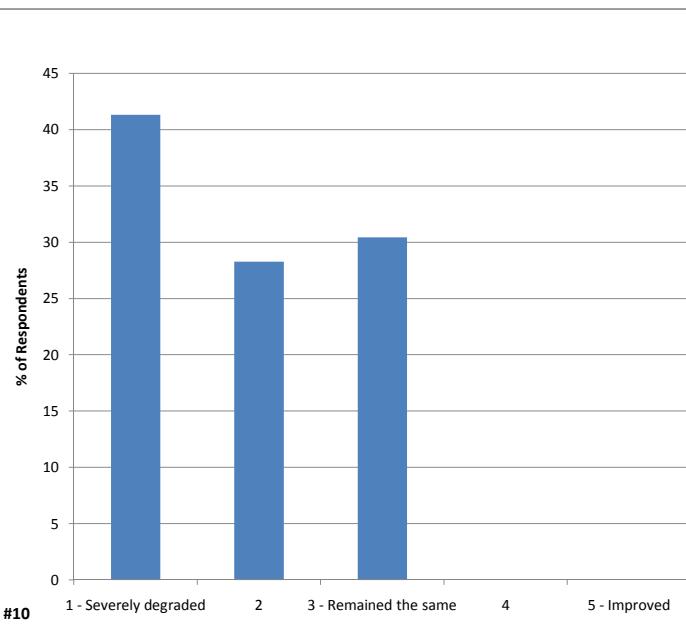
**How would you describe the current
water quality of Bridge Lake?**

		%
1 - Poor	22	47.8
2	6	13.0
3 - Fair	15	32.6
4	1	2.2
5 - Excellent	2	4.3
	46	

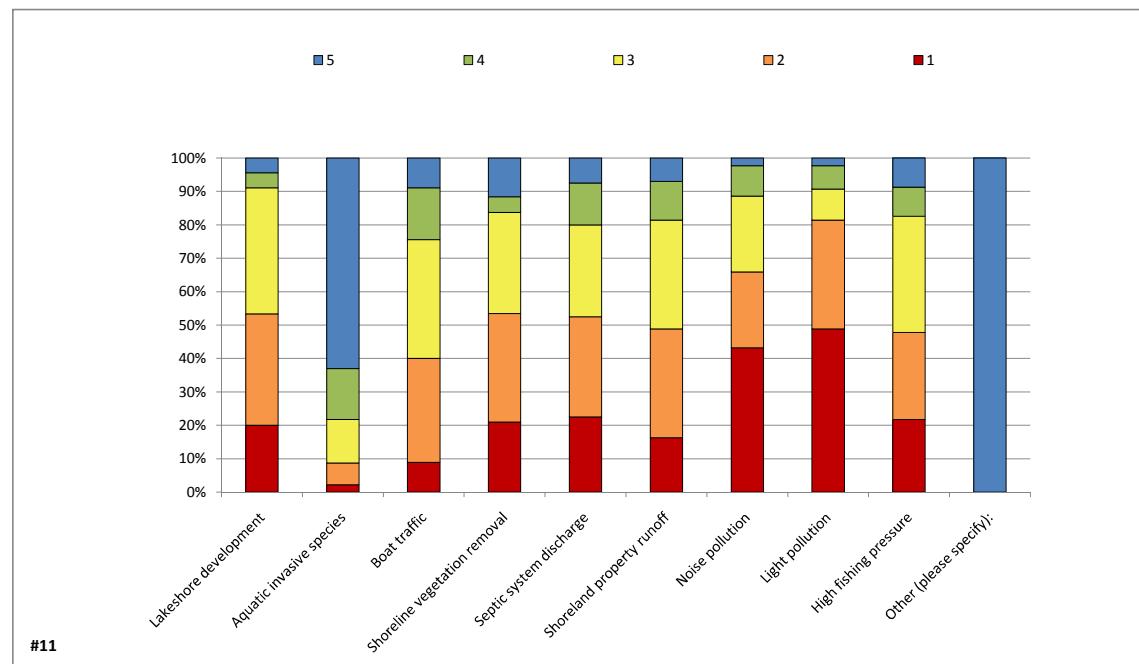


**How has the water quality changed in
Bridge Lake since you obtained your property?**

		%
1 - Severely degraded	19	41.3
2	13	28.3
3 - Remained the same	14	30.4
4	0	0.0
5 - Improved	0	0.0
	46	

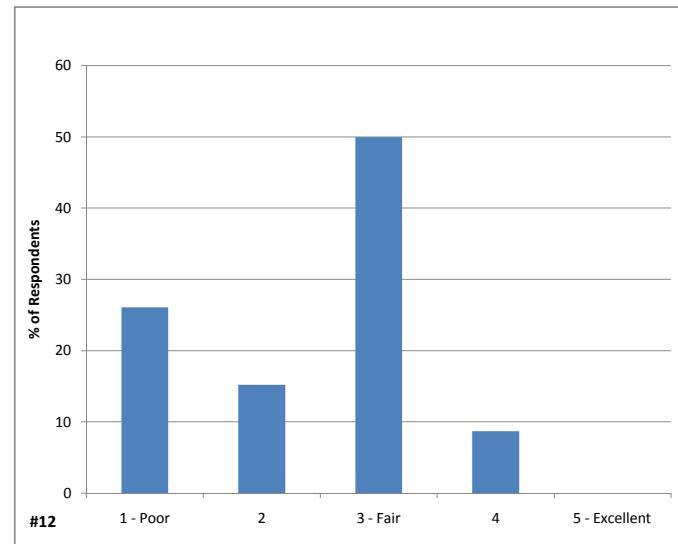


To what level do you believe each the following #11 factors are impacting Bridge Lake?	1 No Impact	2	3 Moderate Impact	4	5 Great Impact
Lakeshore development	9	15	17	2	2
Aquatic invasive species	1	3	6	7	29
Boat traffic	4	14	16	7	4
Shoreline vegetation removal	9	14	13	2	5
Septic system discharge	9	12	11	5	3
Shoreland property runoff	7	14	14	5	3
Noise pollution	19	10	10	4	1
Light pollution	21	14	4	3	1
High fishing pressure	10	12	16	4	4
Other (please specify):	0	0	0	0	16



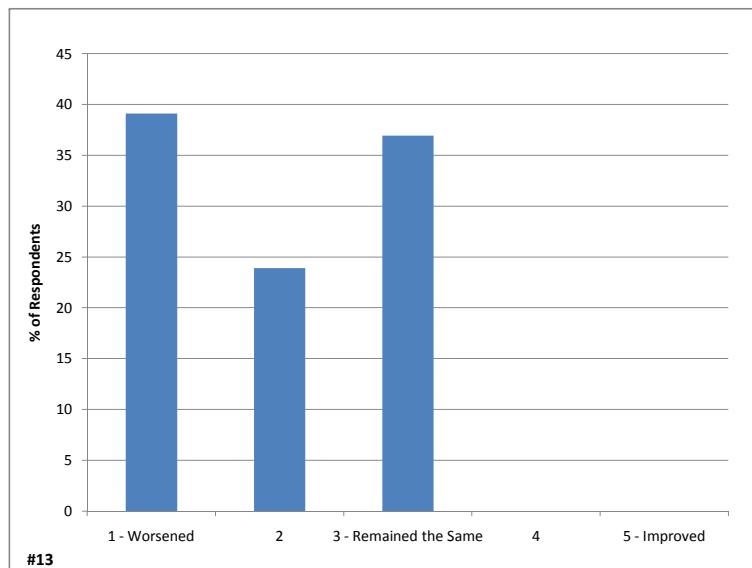
**How would you describe the current
#12 quality of fishing on Bridge Lake?**

		%
1 - Poor	12	26.1
2	7	15.2
3 - Fair	23	50.0
4	4	8.7
5 - Excellent	0	0.0
	46	



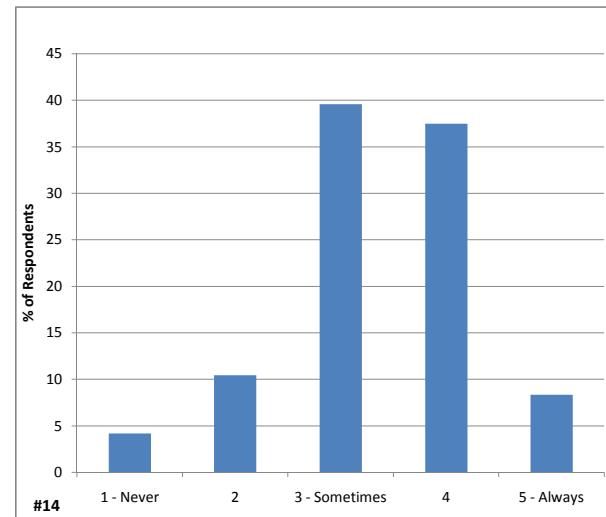
**How has the quality of fishing changed on Bridge
#13 Lake since you obtained your property?**

		%
1 - Worsened	18	39.1
2	11	23.9
3 - Remained the Same	17	37.0
4	0	0.0
5 - Improved	0	0.0
	46	



Do you believe Lake Nokomis Concerned Citizens has kept you adequately informed regarding issues with Bridge Lake and its management?

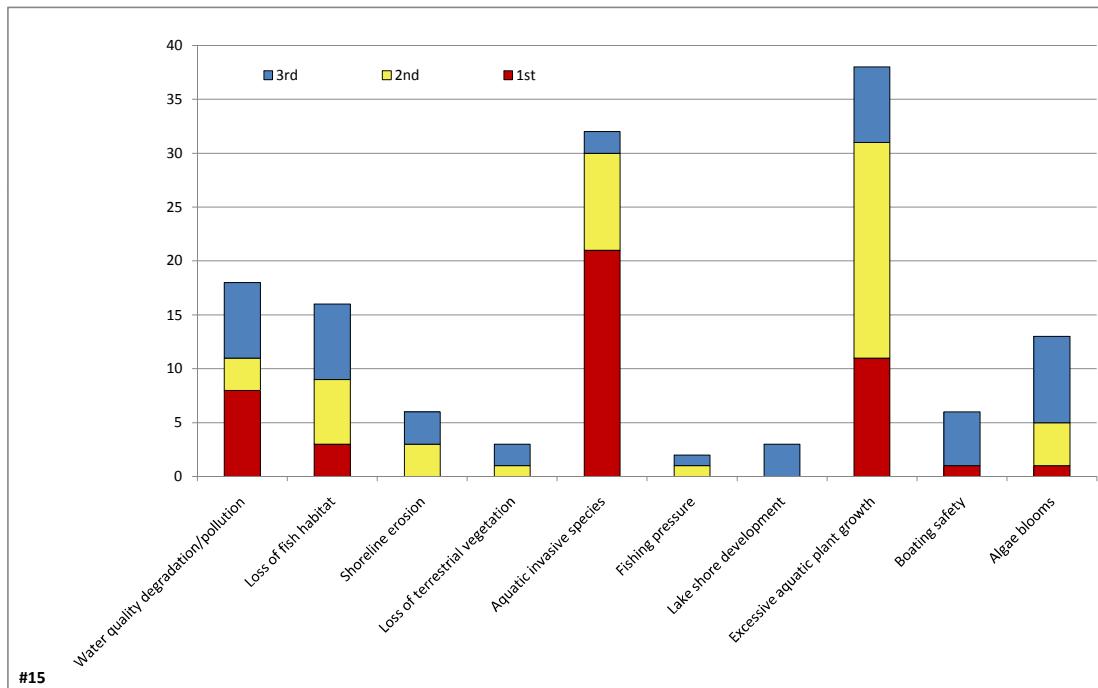
#14		%
1 - Never	2	4.2
2	5	10.4
3 - Sometimes	19	39.6
4	18	37.5
5 - Always	4	8.3
	48	



From the list below, please rank your top three

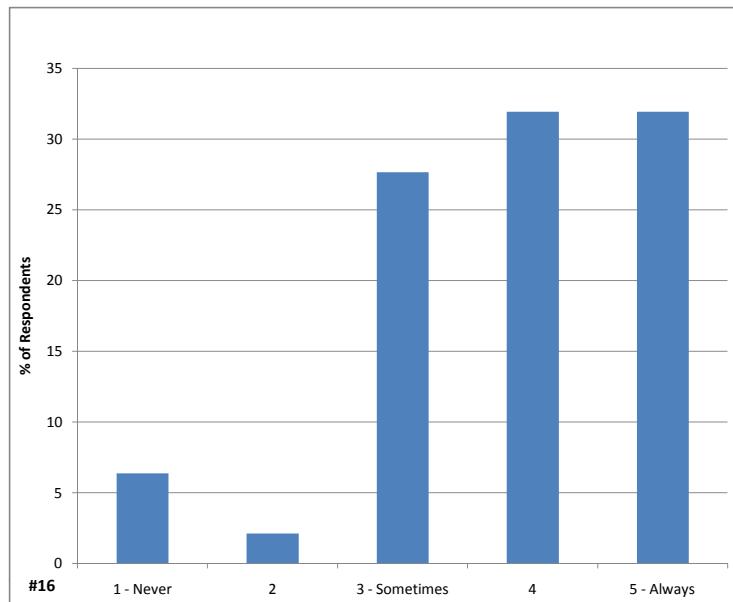
#15 concerns regarding Bridge Lake?

	1st	2nd	3rd
Water quality degradation/pollution	8	3	7
Loss of fish habitat	3	6	7
Shoreline erosion	0	3	3
Loss of terrestrial vegetation	0	1	2
Aquatic invasive species	21	9	2
Fishing pressure	0	1	1
Lake shore development	0	0	3
Excessive aquatic plant growth	11	20	7
Boating safety	1	0	5
Algae blooms	1	4	8
	45	47	45



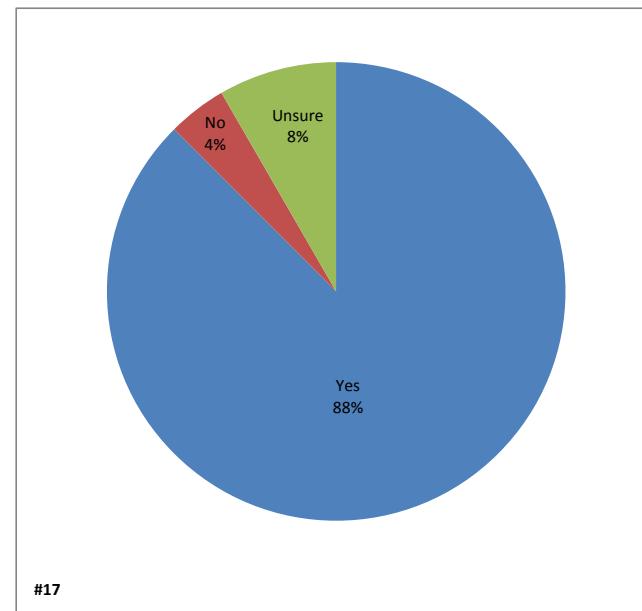
**How often does aquatic plant growth impact your
recreational use of Bridge Lake?**

		%
1 - Never	3	6.4
2	1	2.1
3 - Sometimes	13	27.7
4	15	31.9
5 - Always	15	31.9
	47	



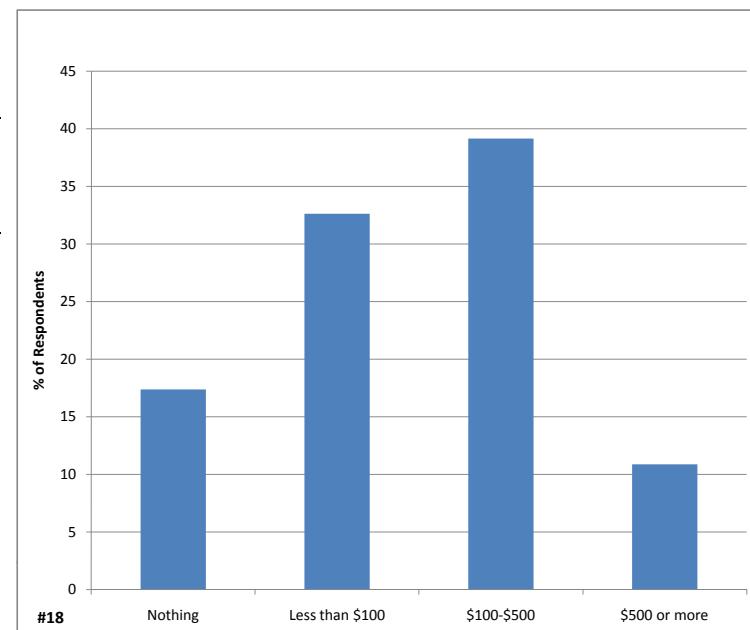
**Considering your answer to the question above, do
you believe aquatic plant control is needed on Bridge**

#17	Lake?	
Yes	42	
No	2	
Unsure	4	
		48



How much are you willing to pay per year, as an individual, to achieve the level of plant control you believe is necessary on Bridge Lake?

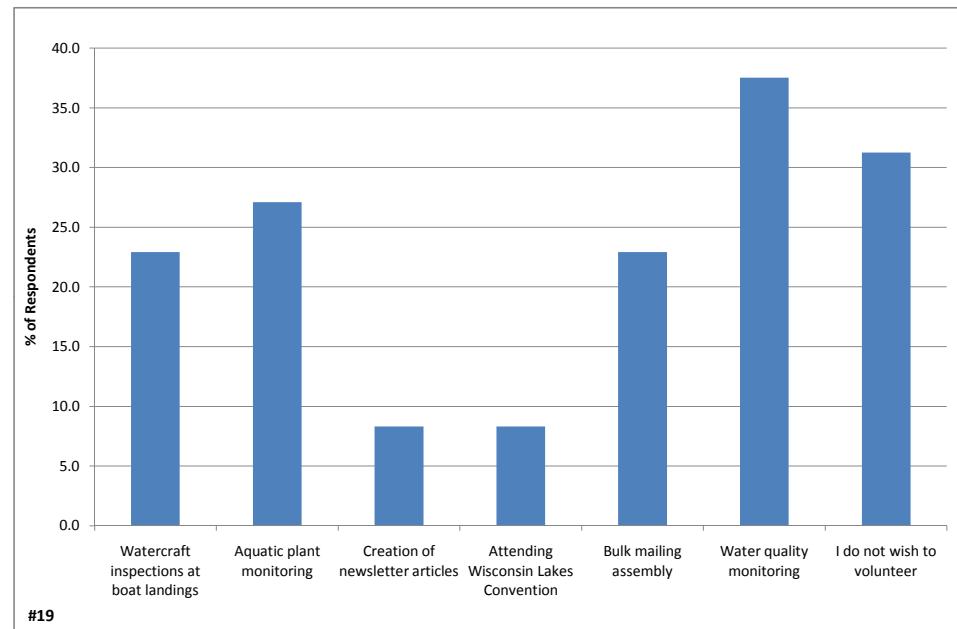
#18		%
Nothing	8	17.4
Less than \$100	15	32.6
\$100-\$500	18	39.1
\$500 or more	5	10.9
	46	



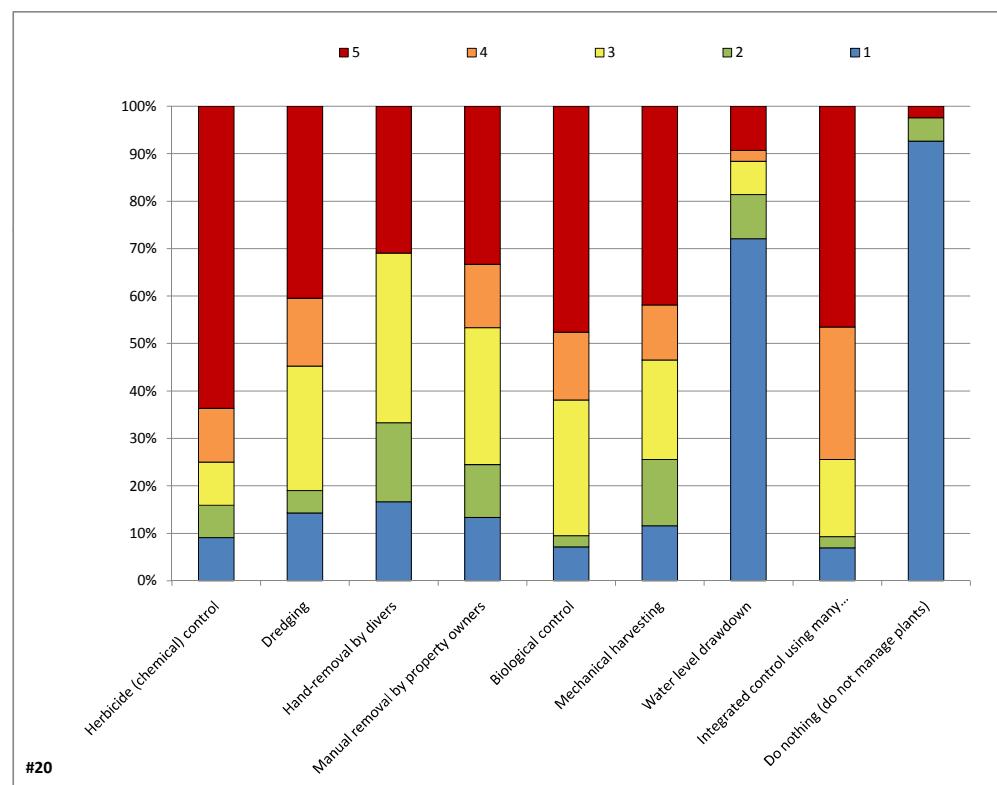
Please circle the activities you would be willing to

#19 participate in if called upon.

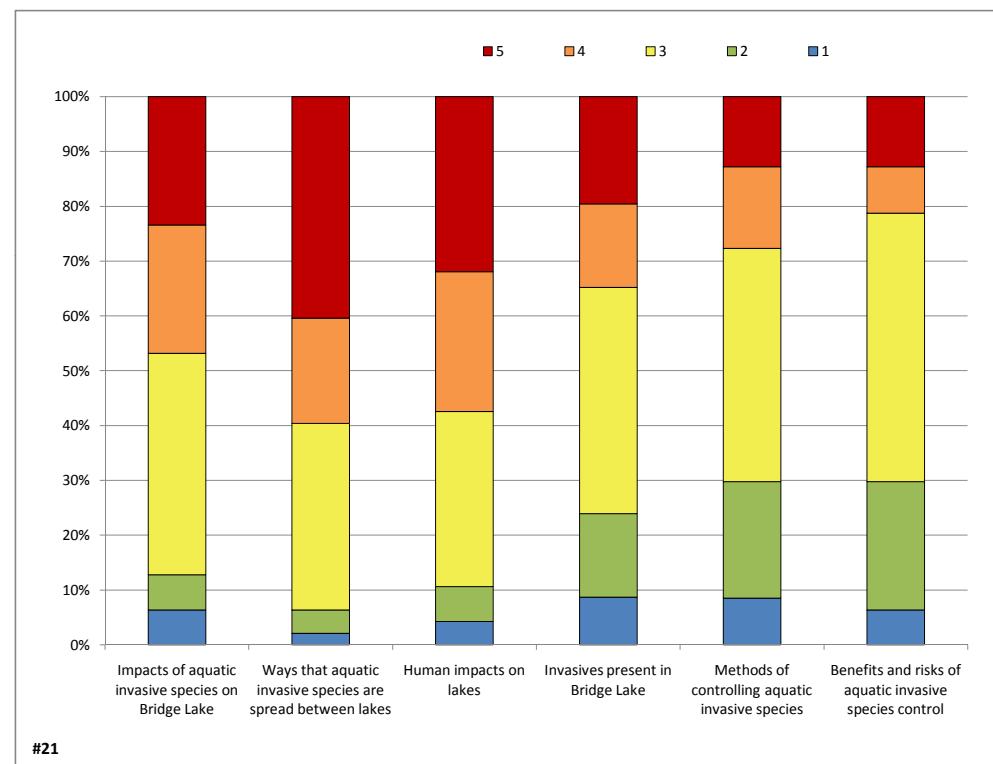
	19	%
Watercraft inspections at boat landings	11	22.9
Aquatic plant monitoring	13	27.1
Creation of newsletter articles	4	8.3
Attending Wisconsin Lakes Convention	4	8.3
Bulk mailing assembly	11	22.9
Water quality monitoring	18	37.5
I do not wish to volunteer	15	31.3



#20 What is your level of support for the responsible use of the following techniques on Bridge Lake?	1 Not Supportive	2	3 Moderately Supportive	4	5 Highly Supportive
	4	3	4	5	28
Herbicide (chemical) control	4	3	4	5	28
Dredging	6	2	11	6	17
Hand-removal by divers	7	7	15	0	13
Manual removal by property owners	6	5	13	6	15
Biological control	3	1	12	6	20
Mechanical harvesting	5	6	9	5	18
Water level drawdown	31	4	3	1	4
Integrated control using many methods	3	1	7	12	20
Do nothing (do not manage plants)	38	2	0	0	1



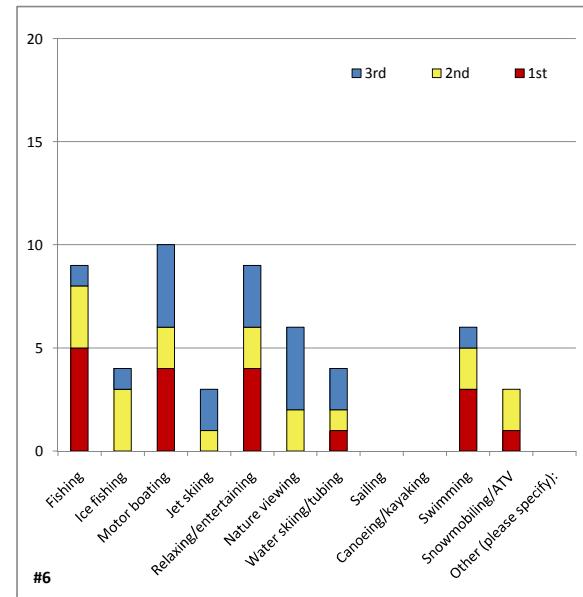
#21 Please describe your level of understanding of each of the following lake management issues.	1 No Understanding	2	3 Basic Understanding	4	5 Full Understanding
Impacts of aquatic invasive species on Bridge Lake	3	3	19	11	11
Ways that aquatic invasive species are spread between lakes	1	2	16	9	19
Human impacts on lakes	2	3	15	12	15
Invasives present in Bridge Lake	4	7	19	7	9
Methods of controlling aquatic invasive species	4	10	20	7	6
Benefits and risks of aquatic invasive species control	3	11	23	4	6



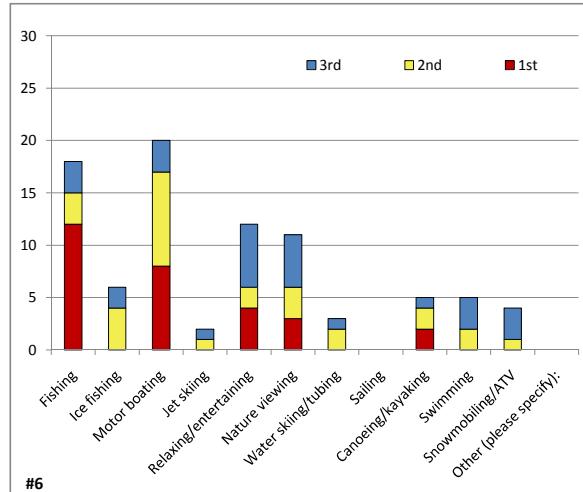
Nokomis:**Please rank the activities below that are the most**

#6 important or enjoyable to you on Bridge Lake?	1st	2nd	3rd
Fishing	5	3	1
Ice fishing	0	3	1
Motor boating	4	2	4
Jet skiing	0	1	2
Relaxing/entertaining	4	2	3
Nature viewing	0	2	4
Water skiing/tubing	1	1	2
Sailing	0	0	0
Canoeing/kayaking	0	0	0
Swimming	3	2	1
Snowmobiling/ATV	1	2	0
Other (please specify):	0	0	0
	18	18	18

PLEASE NOTE: The figures on this and the following pages were created to see if differences in responses occurred between respondents from the Towns of Nokomis and Bradley. Although differences seem to be apparent, they must be taken in the context that roughly 38% of the surveys were returned out of the 127 that were distributed.

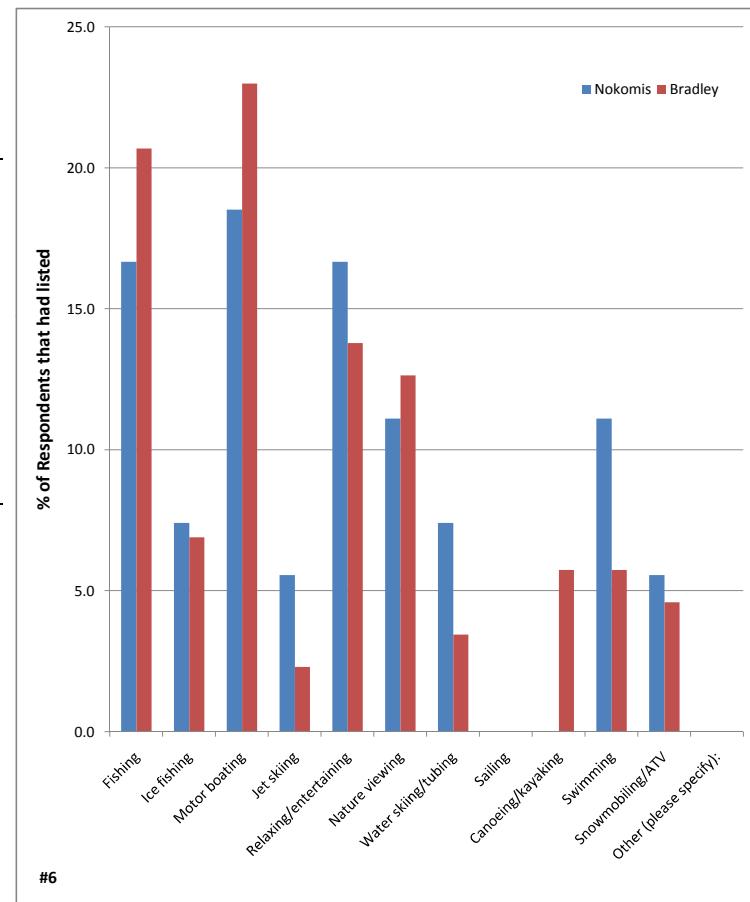
**Bradley:****Please rank the activities below that are the most**

#6 important or enjoyable to you on Bridge Lake?	1st	2nd	3rd
Fishing	12	3	3
Ice fishing	0	4	2
Motor boating	8	9	3
Jet skiing	0	1	1
Relaxing/entertaining	4	2	6
Nature viewing	3	3	5
Water skiing/tubing	0	2	1
Sailing	0	0	0
Canoeing/kayaking	2	2	1
Swimming	0	2	3
Snowmobiling/ATV	0	1	3
Other (please specify):	0	0	0
	29	29	28



Please rank the activities below that are the most important or enjoyable to you on Bridge Lake?		Nokomis	Bradley
Fishing		16.7	20.7
Ice fishing		7.4	6.9
Motor boating		18.5	23.0
Jet skiing		5.6	2.3
Relaxing/entertaining		16.7	13.8
Nature viewing		11.1	12.6
Water skiing/tubing		7.4	3.4
Sailing		0.0	0.0
Canoeing/kayaking		0.0	5.7
Swimming		11.1	5.7
Snowmobiling/ATV		5.6	4.6
Other (please specify):		0.0	0.0
		100.0	98.9

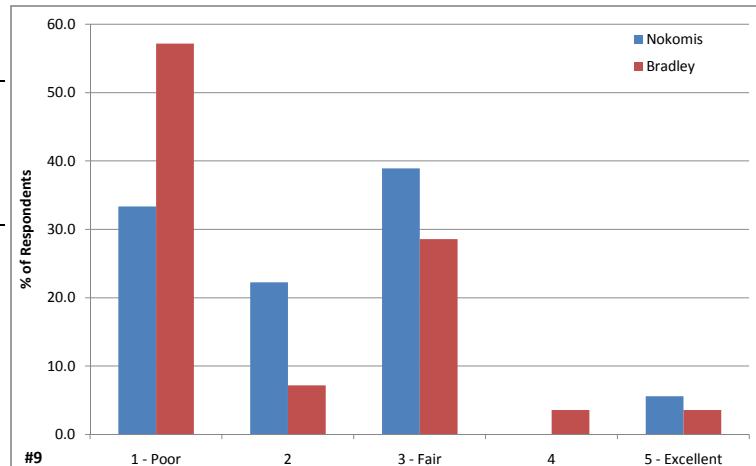
Note: The above data shows the percentage of respondents that ranked the activity as either being their 1st, 2nd, or 3rd most important.



How would you describe the current water quality of Bridge Lake?

#9

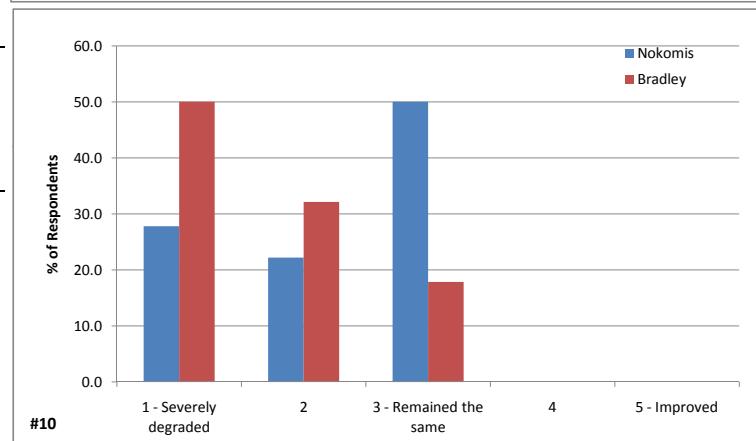
	% Nokomis	% Bradley
1 - Poor	33.3	57.1
2	22.2	7.1
3 - Fair	38.9	28.6
4	0.0	3.6
5 - Excellent	5.6	3.6
	100	100



How has the water quality changed in Bridge Lake since you obtained your property?

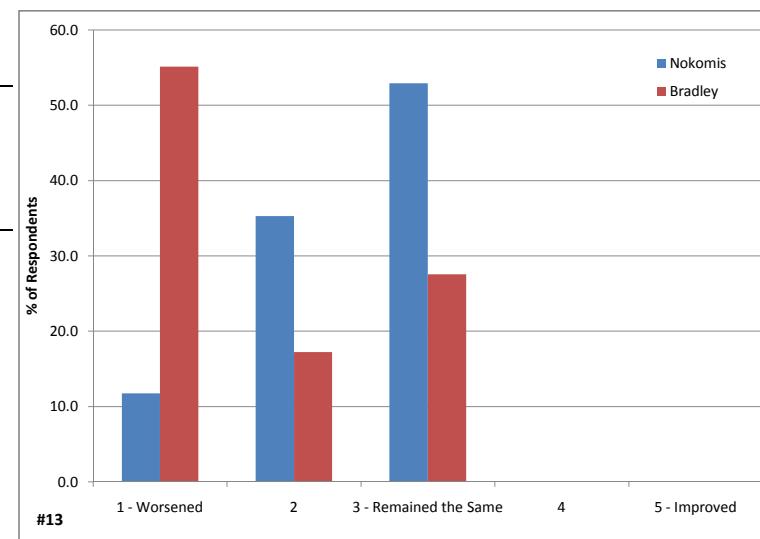
#10

	% Nokomis	% Bradley
1 - Severely degraded	27.8	50.0
2	22.2	32.1
3 - Remained the same	50.0	17.9
4	0.0	0.0
5 - Improved	0.0	0.0
	100	100



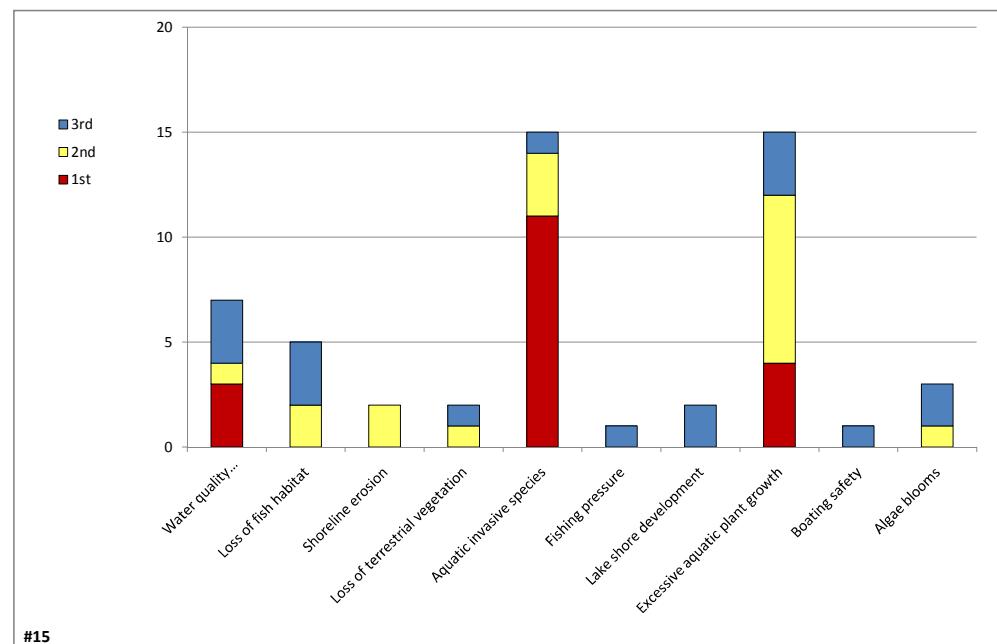
**How has the quality of fishing changed on Bridge
Lake since you obtained your property?**

#13		% Nokomis	% Bradley
1 - Worsened		11.8	55.2
2		35.3	17.2
3 - Remained the Same		52.9	27.6
4		0.0	0.0
5 - Improved		0.0	0.0
		100.0	100.0



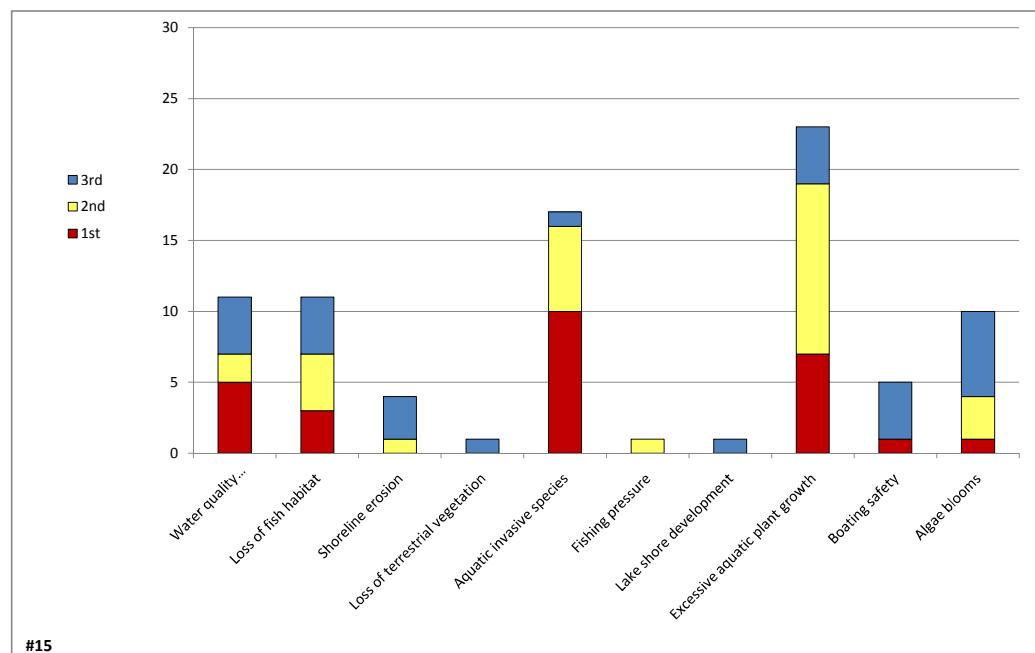
Nokomis: From the list below, please rank your top**#15 three concerns regarding Bridge Lake?**

	1st	2nd	3rd
Water quality degradation/pollution	3	1	3
Loss of fish habitat	0	2	3
Shoreline erosion	0	2	0
Loss of terrestrial vegetation	0	1	1
Aquatic invasive species	11	3	1
Fishing pressure	0	0	1
Lake shore development	0	0	2
Excessive aquatic plant growth	4	8	3
Boating safety	0	0	1
Algae blooms	0	1	2
	18	18	17



Bradley: From the list below, please rank your top**#15 three concerns regarding Bridge Lake?**

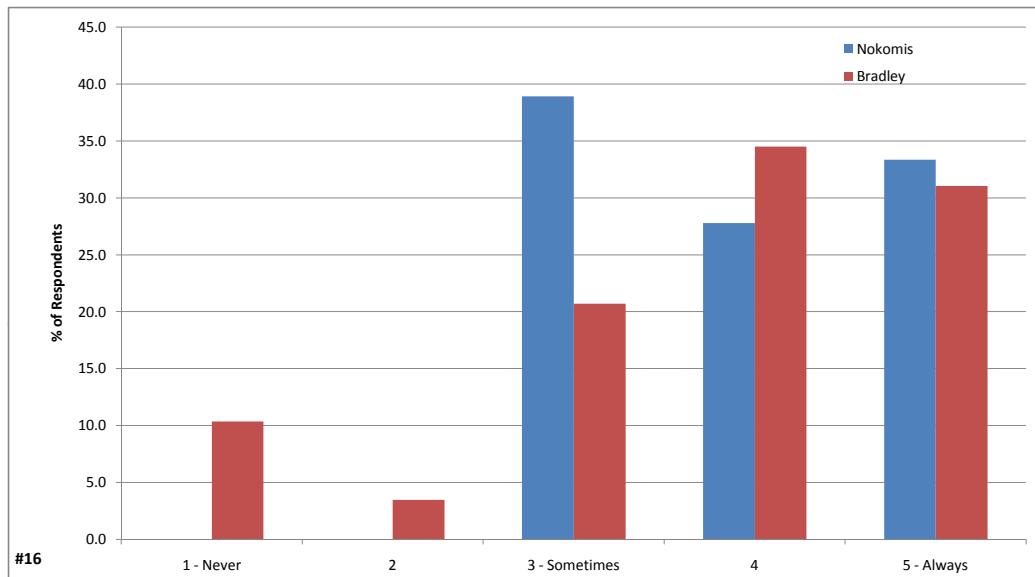
	1st	2nd	3rd
Water quality degradation/pollution	5	2	4
Loss of fish habitat	3	4	4
Shoreline erosion	0	1	3
Loss of terrestrial vegetation	0	0	1
Aquatic invasive species	10	6	1
Fishing pressure	0	1	0
Lake shore development	0	0	1
Excessive aquatic plant growth	7	12	4
Boating safety	1	0	4
Algae blooms	1	3	6
	27	29	28



#15

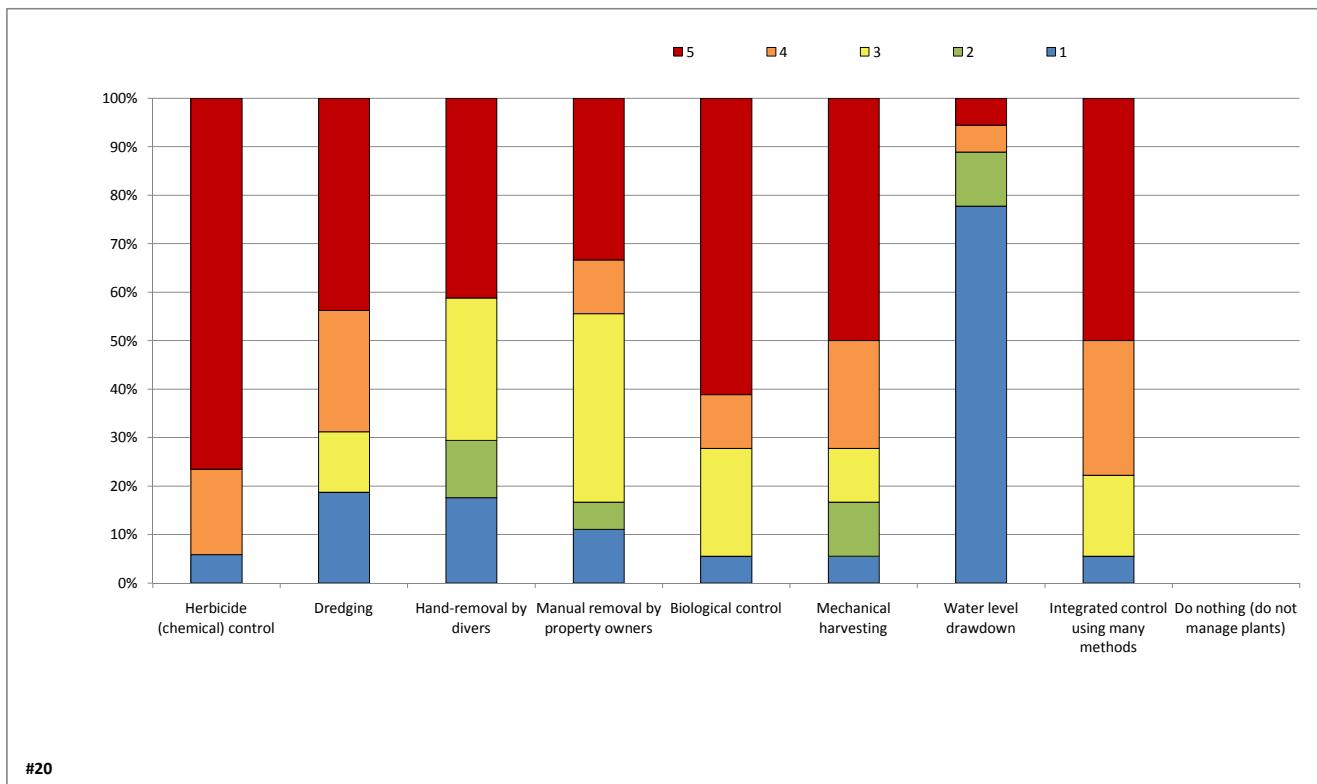
**How often does aquatic plant growth impact your
#16 recreational use of Bridge Lake?**

	% Nokomis	% Bradley
1 - Never	0.0	10.3
2	0.0	3.4
3 - Sometimes	38.9	20.7
4	27.8	34.5
5 - Always	33.3	31.0
	100.0	100.0



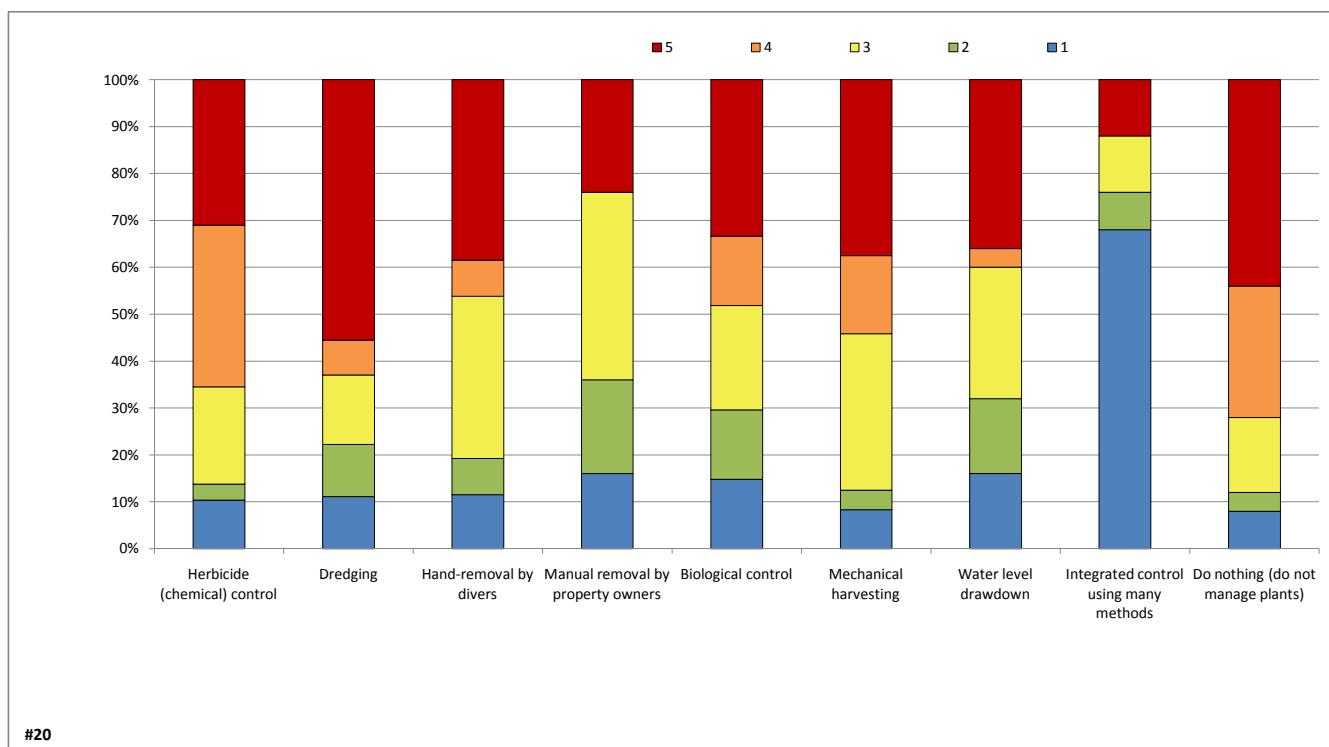
Nokomis: What is your level of support for the responsible use of the following techniques on #20 Bridge Lake?

	1 Not Supportive	3 Moderately Supportive			5 Highly Supportive
		2	4	5	
Herbicide (chemical) control	1	0	0	3	17
Dredging	3	0	2	4	16
Hand-removal by divers	3	2	5	0	7
Manual removal by property owners	2	1	7	2	6
Biological control	1	0	4	2	11
Mechanical harvesting	1	2	2	4	9
Water level drawdown	14	2	0	1	1
Integrated control using many methods	1	0	3	5	9
Do nothing (do not manage plants)	0	0	0	0	0



Bradley: What is your level of support for the responsible use of the following techniques on Bridge Lake?

#20		1 Not Supportive	2	3 Moderately Supportive	4	5 Highly Supportive			
		Herbicide (chemical) control	Dredging	Hand-removal by divers	Manual removal by property owners	Biological control	Mechanical harvesting	Water level drawdown	Integrated control using many methods
	Herbicide (chemical) control	3	1	6	10	9	29		
	Dredging	3	3	4	2	15	27		
	Hand-removal by divers	3	2	9	2	10	26		
	Manual removal by property owners	4	5	10	0	6	25		
	Biological control	4	4	6	4	9	27		
	Mechanical harvesting	2	1	8	4	9	24		
	Water level drawdown	4	4	7	1	9	25		
	Integrated control using many methods	17	2	3	0	3	25		
	Do nothing (do not manage plants)	2	1	4	7	11	25		



Bridge Lake Survey Comments

Survey Number	Comment
1	Water levels dam management, ridiculous. Possible consideration of forming of a business district, as a separate entity within the lake district. Comprised of the resort restaurant. Bar owners who are impacted by the quality of the lake environment. Organize a petition to the state government, DNR, local elected officials, to reinstate the public intervenors office, back into the DNR.
2	To enjoy a lake you must have water. 2 months is not enough. We need an agreement with Wis Valley Improvement to stop the excessive drawdowns. This and dredging are the only effective means of controlling the weeds on Bridge Lake bays.
3	Bridge Lake is an area that needs help. It is a beautiful lake but years of no lake management has taken its toll. This planning project is an exciting project. We hope something will really happen.
4	No Comment
5	Recreational use of the Deer Lake Rd/Klade Rd area is non-existent. Boating/swimming, jetskiing, aesthetic beauty have all disappeared. This area is next to lifeless water is present only 3-4 months of the year and is choked by weeds and driftwood. What a shameful and unfair situation considering the high tax assessment.
6	The problems on Bridge Lk will soon be the problems of the entire lake area. Information planning and action needs to happen quickly.
7	Control boat traffic into Deer Lake and check all boats at landings when entering the lake, not going out.
8	Bridge Lake Newsletter. Buy the dam. Lake district limit boating (skiing and personal water craft) in EWM zones clean boats clean waters-boat launch inspections
9	No Comment
10	Although you say we "can't do anything about water levels" it is very hard to answer questions about Bridge Lake water when "we haven't had any for past 2 summers." Check out the "waterfront property" that those of us on the south end of the lake are paying taxes on. Fishing-can't do that, aquatic plants?-that is all we have is plants! The biggest invasive species we have is the company that monitors lake levels.
11	No Comment
12	Why do they draw down the water in July and August. They make the draught worse.
13	No Comment
14	No Comment
15	Its unfair that property owners should assume total responsibility for quality management when others play a major part with creating the problems. Though the lakes should belong to everyone, so should the responsibilities be shared.
16	There is a bog off Deer Lake Road east that continues to grow and if it continues to grow as in the past, the home owners, there will be "bogged in". The water level is so bad as of 8/30/07 that the lake is unusable.
17	Because nothing has been done with the existing bog it has developed into an island, and in the near future Bridge Lake will become a marsh. This is the south end of Bridge Lake before entering the channel to Deer Lake. The aquatic invasive species need to be treated on all shore lines on Bridge Lake, only able to use a boat from May 1 to July 15. Then there is no water and stumps are in the way.
18	I am very supportive of controlling weeds -especially Eurasian milfoil. I've donated \$100 a few times. But this year my beach area and the area around my pier were choked w/milfoil! I also would like to see a Hazard Buoy on the rock bar on the North half of the North side of Bridge Lake. I watched at least six boats ruin props/lower units this summer. With all of the markers LNCC has all over Nokomis-there is not one on Bridge Lake!
19	You state water levels are "beyond your control" WVIC should be held to their contract with water level management. The lookin clause should have some teeth to it. Many of you questions are a direct result of poor water levels. Since many of us do not have "lake" property 8 months/yr our property taxes should be prorated accordingly. Not water, no lake property taxes, more spring melt and rain run off must be kept to minimize these drains of Bridge Lake

Bridge Lake Survey Comments

Survey Number	Comment
20	Stump removal for boating safety. Weed taking over especially near Hwy 8. Have a concern about exposed stumps and muck when lake is down with breeding bastonmycosis issues for people and pets.
21	No Comment
22	When we bought our property 7 years ago the lake was in great shape. The water was high most of the year (including right before ice up), the fishing was great and each year since then, things have gotten progressively worse. The flowage hasn't filled in 3 years. It seems there are fewer legal walleyes and now-MILFOIL! It is everywhere on the Lake! Something drastic must be done soon or it will choke out the whole lake. Land owners better realize soon that they might ante up with the funds to do this because if they wait for the "DNR" or the "state" to do it for them it will be way too little, too late. I have seen a lake taken over by milfoil and it was literally impossible to fish (in May) and I can only imagine what it looked like in August.
23	My family has been on Bridge "lake" for almost 6 years, and I have seen our portion of the "lake" change from a lake where water fluctuated from full to one or 2 feet. But in the last 20 years, we have more accurately been a wetlands. Due to drought and a poor program of water management by WVIC I no longer feel a part of the "lake" system. June is a very short summer.
24	Water
25	Enclosed are pictures from 2004 (when we purchased) and this summer. We understand the lower water levels due to drought conditions and annual drawdown. But we are concerned about the level of weeds and vegetation overtaking our bay.
26	This survey is useless, being there is only water in Bridge Lake for 2 months.
27	What will be done to the growing bog on Bridge Lake? What about a consistent/maintained water level on Bridge Lake?
28	The water level on our bay is very low. If this continues we believe the land should be reclassified. We pay lakefront property taxes and only have "lakefront" 2 months of the year. Better management of water levels is needed.
29	None of these issues warrant any concern if there is no water in Bridge Lake.
30	Glad to have the enthusiastic management effort necessary to maintain Bridge Lake and the ultimate effort on Deer lake
31	No Comment
32	No Comment
33	Education of landowners regarding effects of descending property and treating lawns with chemicals is high priority to us. Would support tax incentive for good shoreline property management practices and fee assessments to owners with expansive grass lawns.
34	No Comment
35	Without sustainable water levels, none of this matters. They always seem to be water available for the increasing number of kayaking and canoe competitions downstream in Wausau, while our water is 30-40 ft from shore.
36	No Comment
37	Control all invasive species NOW!
38	At this time, it seems that Bridge Lake is in the worst condition of all the lakes of the Nokomis chain. Something must be done! The lake is dying. Why are the weeds so awful in Bridge Lake? We've never seen it this bad!
39	No Comment
40	I know we don't have much control on drawdown but the last 2 years there wasn't enough water to do much of anything in the front of my cottage, yet just enough for the bog in front of us to grow about 600% over the past 15 years.
41	Without the knowledge of complete aquatic management it seems that Bridge Lake is overgrown.
42	Water level draw down is a very big issue! Or change the name to Mud Lake.
43	Keep up the good work! I love the lake and look forward to a time when we will have more day there and more time to be involved.

Bridge Lake Survey Comments

Survey Number	Comment
44	No Comment
45	No Comment
46	No Comment
47	No Comment
48	I always thought Bridge Lake was part of Lake Nokomis and LNCC looked over??? I know you do not want to hear about water levels but does any of this really matter when we do not have any type of control on water levels. My family planned their vacations in August on Lake Nokomis and could not even get the boat in the water. I regret buying on Lake Nokomis. So, you want me to focus on how people enjoy the Lake when you can't really use it??

C

APPENDIX C

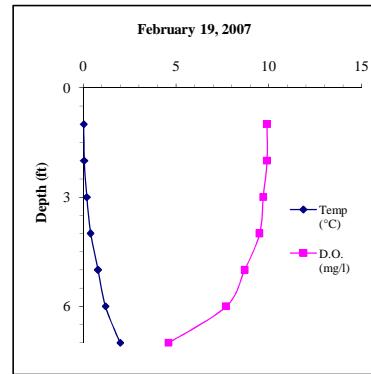
Water Quality Data

Bridge Lake

Date: 02-19-07
Time: 12:41
Weather: 100% clouds, 20 ° F
Ent: BTB Verf:

Max Depth (ft): 8.1
BLS Depth (ft): 3.0
BLB Depth (ft): 7.0
Secchi Depth (ft): 4.1

Depth (ft)	Temp (°C)	D.O. (mg/l)	pH	Sp. Cond (μS/cm)
1.0	0.03	9.9	6.8	120
2.0	0.06	9.9	6.9	119
3.0	0.20	9.7	6.9	119
4.0	0.40	9.5	6.9	118
5.0	0.80	8.7	7.0	119
6.0	1.20	7.7	7.0	124
7.0	2.00	4.6	6.9	131



Parameter	BLS	BLB
Total P (μg/L)	32.000	41.000
Dissolved P (μg/L)	7.000	12.000
Chl a (μg/L)		
TKN (μg/L)	ND	300.00
NO3+NO2-N (μg/L)	175.000	84.000
NH3-N (μg/L)	55.000	190.000
Total N (μg/L)	175.00	384.00
Lab Cond. (μS/cm)		
Lab pH		
Alkal (mg/l CaCO ₃)		
Total Susp Sol (mg/l)	ND	5
Calcium (mg/l)	ND	

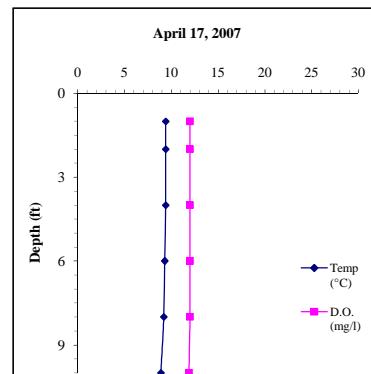
Data collected by EJH, ice = 2.9 ft

Bridge Lake

Date: 04-17-07
Time: 13:00
Weather: full sun, 57° F
Ent: BTB Verf:

Max Depth (ft): 12.5
BLS Depth (ft): 3.0
BLB Depth (ft): 9.0
Secchi Depth (ft): 4.7

Depth (ft)	Temp (°C)	D.O. (mg/l)	pH	Sp. Cond (μS/cm)
1.0	9.4	12.0	7.8	71.3
2.0	9.4	12.0	8.0	71.4
4.0	9.4	12.0	8.0	71.4
6.0	9.3	12.0	8.0	71.5
8.0	9.2	12.0	8.0	71.5
10.0	8.9	11.9	8.0	72.0



Parameter	BBLB	BBLB
Total P (μg/L)	28.000	28.000
Dissolved P (μg/L)	3.000	4.000
Chl a (μg/L)	5.35	
TKN (μg/L)	410.00	390.00
NO3+NO2-N (μg/L)	ND	ND
NH3-N (μg/L)	ND	ND
Total N (μg/L)	410.00	390.00
Lab Cond. (μS/cm)	75	75
Lab pH	7.54	7.51
Alkal (mg/l CaCO ₃)	28	28
Total Susp Sol (mg/l)	ND	ND
Calcium (mg/l)	7.7	

Data collected by EJH

Bridge Lake

Date: 06-06-07

Time: 13:00

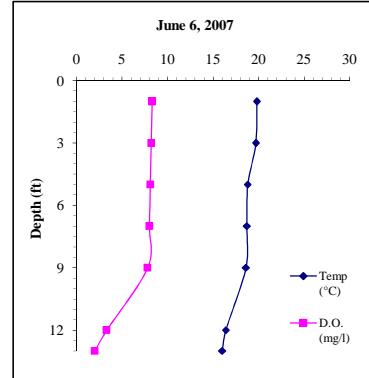
Weather: partly cloudy, windy

Ent: BTB

Verf:

Max Depth (ft): 14.5
BLS Depth (ft): 3.0
BLB Depth (ft): 12.0
Secchi Depth (ft): 5.0

Depth (ft)	Temp (°C)	D.O. (mg/l)	pH	Sp. Cond. (µS/cm)
1.0	19.8	8.3	7.8	85.8
3.0	19.7	8.2	7.8	85.5
5.0	18.8	8.1	7.7	85.5
7.0	18.7	8.0	7.7	85.6
9.0	18.6	7.8	7.6	84.9
12.0	16.4	3.3	7.0	86.3
13.0	16.0	2.0	6.9	85.5



Parameter	BBLB	BBLB
Total P (µg/L)	34.000	36.000
Dissolved P (µg/L)		
Chl a (µg/L)	3.08	
TKN (µg/L)		
NO3+NO2-N (µg/L)		
NH3-N (µg/L)		
Total N (µg/L)		
Lab Cond. (µS/cm)		
Lab pH		
Alkal (mg/l CaCO3)		
Total Susp Sol (mg/l)	2	3
Calcium (mg/l)		

Data collected by EJH and BTB

Bridge Lake

Date: 07-25-07

Time: 9:05

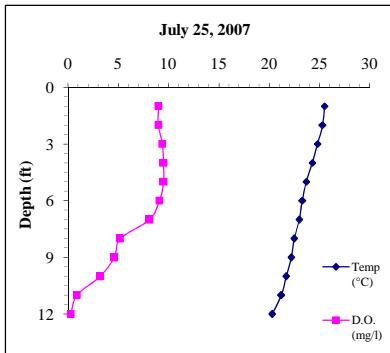
Weather: calm, full sun, 80° F

Ent: BTB

Verf:

Max Depth (ft): 13.4
BLS Depth (ft): 3.0
BLB Depth (ft): 7.0
Secchi Depth (ft): 6.3

Depth (ft)	Temp (°C)	D.O. (mg/l)	pH	Sp. Cond. (µS/cm)
1.0	25.5	9.0	8.7	94.0
2.0	25.3	9.0	8.7	93.0
3.0	24.8	9.4	8.8	93.0
4.0	24.3	9.5	8.8	93.0
5.0	23.7	9.5	8.8	93.0
6.0	23.3	9.1	8.5	92.0
7.0	23.0	8.1	7.9	93.0
8.0	22.5	5.2	7.4	93.0
9.0	22.2	4.6	7.3	93.0
10.0	21.7	3.2	7.1	93.0
11.0	21.2	0.9	6.9	93.0
12.0	20.3	0.3	6.9	97.0



Parameter	BBLB	BBLB
Total P (µg/L)	30.00	50.00
Dissolved P (µg/L)	2.000	5.000
Chl a (µg/L)	2.60	
TKN (µg/L)	760.00	820.00
NO3+NO2-N (µg/L)	ND	ND
NH3-N (µg/L)	ND	ND
Total N (µg/L)	760.00	820.00
Lab Cond. (µS/cm)	93	93
Lab pH	8.21	7.58
Alkal (mg/l CaCO3)	36	36
Total Susp Sol (mg/l)	2	3
Calcium (mg/l)		

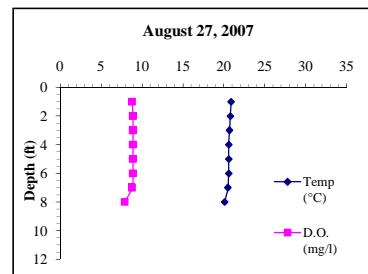
Data collected by BTB and CRS

Bridge Lake

Date: 08-27-07
Time: 11:30
Weather: mostly cloudy, 70° F, calm
Ent: BTB Verf:

Max Depth (ft): 9.6
BLS Depth (ft): 3.0
BBLB Depth (ft): 8.0
Secchi Depth (ft): 5.0

Depth (ft)	Temp (°C)	D.O. (mg/l)	pH	Sp. Cond (µS/cm)
1.0	20.9	8.8	8.3	96.0
2.0	20.8	8.9	8.3	96.0
3.0	20.7	8.9	8.3	96.0
4.0	20.6	8.9	8.4	96.0
5.0	20.6	8.9	8.4	96.0
6.0	20.6	8.9	8.4	96.0
7.0	20.5	8.8	8.4	96.0
8.0	20.1	7.9	8.0	96.0



Parameter	BBLs	BBLB
Total P (µg/L)	48.000	55.000
Dissolved P (µg/L)		
Chi a (µg/L)	7.69	
TKN (µg/L)		
NO3+NO2-N (µg/L)		
NH3-N (µg/L)		
Total N (µg/L)		
Lab Cond. (µS/cm)		
Lab pH		
Alkal (mg/l CaCO3)		
Total Susp Sol (mg/l)	3	5
Calcium (mg/l)		

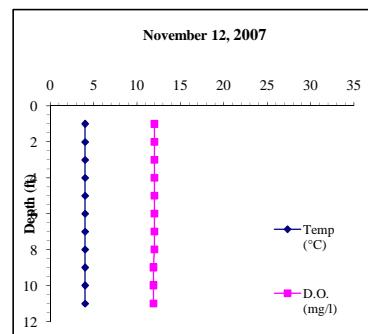
Data collected by BTB and WJC

Bridge Lake

Date: 11-12-07
Time: 10:00
Weather: 100% clouds, 40°F, windy
Ent: EJH Verf:

Max Depth (ft): 13.1
BBLs Depth (ft): 3.0
BBLB Depth (ft): 8.0
Secchi Depth (ft): 4.2

Depth (ft)	Temp (°C)	D.O. (mg/l)	pH	Sp. Cond (µS/cm)
1.0	4.0	12.0	8.4	87.9
2.0	4.0	12.0	8.4	87.0
3.0	4.0	12.0	8.5	87.0
4.0	4.0	12.0	8.5	87.2
5.0	4.0	12.0	8.3	87.1
6.0	4.0	12.0	8.4	87.0
7.0	4.0	12.0	8.3	87.1
8.0	4.0	12.0	8.3	87.3
9.0	4.0	11.9	8.2	87.3
10.0	4.0	11.9	8.1	87.1
11.0	4.0	11.9	8.1	87.2



Parameter	BBLs	BBLB
Total P (µg/L)	34.000	33.000
Dissolved P (µg/L)		
Chi a (µg/L)	23.50	
TKN (µg/L)		
NO3+NO2-N (µg/L)		
NH3-N (µg/L)		
Total N (µg/L)		
Lab Cond. (µS/cm)		
Lab pH		
Alkal (mg/l CaCO3)		
Total Susp Sol (mg/l)	3	3
Calcium (mg/l)		

Data collected by EJH

Water Quality Data

2007 Parameter	Surface Count	Mean	Bottom Count	Mean
Secchi Depth (feet)	6	4.9		
Total P (µg/L)	6	34.3	6	40.5
Dissolved P (µg/L)	3	4.0	3	7.0
Chl a (µg/L)	5	8.4	0	
TKN (µg/L)	3	390.0	3	503.3
NO3+NO2-N (µg/L)	3	58.3	3	28.0
NH3-N (µg/L)	3	18.3	3	63.3
Total N (µg/L)	3	448.3	3	531.3
Lab Cond. (µS/cm)	2	84.0	2	84.0
Lab pH	2	7.9	2	7.5
Alkal (mg/l CaCO3)	2	32.1	2	32.2
Total Susp Sol (mg/l)	6	1.7	6	3.2
Calcium (µg/L)	1	7.7	0	

Wisconsin Trophic State Index (WTSI)			
Year	TP	Chla	SD
1979	57.59	38.48	49.07
1999			50.08
2000			46.92
2003			53.31
2004			54.82
2005			53.12
2006			54.34
2007	56.31	45.97	52.73
All Years (weighted)	55.77	44.68	53.14
WI Impoundments	60.51	58.05	56.10
Northeast Region	51.05	51.49	45.61

Morphological / Geographical Data

Parameter	Value
Acreage	411
Volume (acre-feet)	3163.5
Perimeter (miles)	8.92
Shoreland Development	3.14
Maximum Depth (feet)	15
County	Lincoln - Oneida
WBIC	1516800
Lillie Mason Region(1983)	Northeast Region
Nichols Ecoregion(1999)	NLFF

Watershed Data

WiLMS Class	Acreage	kg/yr	lbs/yr
Row Crops	134.0	54	118.8
Pasture/Grass	2348.0	285	627.0
HD Urban	0.0	0	0.0
Wetland	6767.0	274	602.8
Forest	22166.0	1615	3553.0
Open Water	419.0	170	374.0

Watershed to Lake Area 75 :1

Year	Secchi (feet)				Chlorophyll a (µg/L)				Phosphorus (µg/L)				Nitrogen (µg/L)			
	Growing Season Count	Summer Mean	Summer Count	Summer Mean	Growing Season Count	Summer Mean	Summer Count	Summer Mean	Growing Season Count	Summer Mean	Summer Count	Summer Mean	Growing Season Count	Summer Mean	Summer Count	Summer Mean
1979	1	7.0	1	7.0	1	1.64	1	1.64	1	44	1	44	1	680	1	680
1983																
1984																
1985																
1986																
1987																
1999	1	6.5	1	6.5												
2000	1	8.1	1	8.1												
2003	11	5.6	8	5.2												
2004	10	4.9	5	4.7												
2005	7	5.3	7	5.3												
2006	11	5.0	7	4.9												
2007	4	5.3	3	5.4	5	8.4	3	4.5	5	34.8	3	37.3	2	760.0	1	760.00
All Years (weighted)	5.3		5.3		4.3			3.8	39.2			34.8	2	733.3	1	720.0
WI Impoundments			4.3					22.3				64.0				1060.0
Northeast Region			8.9					9.3				19.0				660.0

D

APPENDIX D

Watershed Analysis WiLMS Results

Date: 10/25/2007 Scenario: Wiscland Data

Lake Id: Bridge Lake

Watershed Id: BridgeFull

Hydrologic and Morphometric Data

Tributary Drainage Area: 31415.0 acre

Total Unit Runoff: 12.2 in.

Annual Runoff Volume: 31938.6 acre-ft

Lake Surface Area <As>: 419 acre

Lake Volume <V>: 3163 acre-ft

Lake Mean Depth <z>: 7.5 ft

Precipitation - Evaporation: 5.8 in.

Hydraulic Loading: 32141.1 acre-ft/year

Areal Water Load <qs>: 76.7 ft/year

Lake Flushing Rate <p>: 10.16 l/year

Water Residence Time: 0.10 year

Observed spring overturn total phosphorus (SPO): 28 mg/m³

Observed growing season mean phosphorus (GSM): 35 mg/m³

% NPS Change: 0%

% PS Change: 0%

NON-POINT SOURCE DATA

Land Use	Acre (ac)	Low	Most Likely	High	Loading %	Low	Most Likely	High
		Loading (kg/ha-year)				Loading (kg/year)		
Row Crop AG	134	0.50	1.00	3.00	3.7	27	54	163
Mixed AG	0.0	0.30	0.80	1.40	0.0	0	0	0
Pasture/Grass	2348	0.10	0.30	0.50	19.4	95	285	475
HD Urban (1/8 Ac)	0.0	1.00	1.50	2.00	0.0	0	0	0
MD Urban (1/4 Ac)	0.0	0.30	0.50	0.80	0.0	0	0	0
Rural Res (>1 Ac)	0.0	0.05	0.10	0.25	0.0	0	0	0
Wetlands	6767	0.10	0.10	0.10	18.6	274	274	274
Forest	22166	0.05	0.09	0.18	54.9	449	807	1615
Lake Surface	419.0	0.10	0.30	1.00	3.5	17	51	170

POINT SOURCE DATA

Point Sources	Water Load (m^3/year)	Low (kg/year)	Most Likely (kg/year)	High (kg/year)	Loading %
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SEPTIC TANK DATA

Description	Low	Most Likely	High	Loading %
Septic Tank Output (kg/capita-year)	0.3	0.5	0.8	
# capita-years	0.0			
% Phosphorus Retained by Soil	98	90	80	
Septic Tank Loading (kg/year)	0.00	0.00	0.00	0.0

TOTALS DATA

Description	Low	Most Likely	High	Loading %
Total Loading (lb)	1899.2	3243.8	5943.5	100.0
Total Loading (kg)	861.5	1471.4	2695.9	100.0
Areal Loading (lb/ac-year)	4.53	7.74	14.18	0.0
Areal Loading (mg/m^2-year)	508.06	867.75	1589.93	0.0
Total PS Loading (lb)	0.0	0.0	0.0	0.0
Total PS Loading (kg)	0.0	0.0	0.0	0.0
Total NPS Loading (lb)	1861.8	3131.7	5569.6	100.0
Total NPS Loading (kg)	844.5	1420.5	2526.4	100.0

Phosphorus Prediction and Uncertainty Analysis Module

Date: 10/25/2007 Scenario: Wiscland Data

Observed spring overturn total phosphorus (SPO): 28.0 mg/m³

Observed growing season mean phosphorus (GSM): 35.0 mg/m³

Back calculation for SPO total phosphorus: 0.0 mg/m³

Back calculation GSM phosphorus: 0.0 mg/m³

% Confidence Range: 70%

Nurenberg Model Input - Est. Gross Int. Loading: 0 kg

Lake Phosphorus Model	Low Total P (mg/m ³)	Most Likely Total P (mg/m ³)	High Total P (mg/m ³)	Predicted -Observed (mg/m ³)	% Dif.
Walker, 1987 Reservoir	17	28	52	-7	-20
Canfield-Bachmann, 1981 Natural Lake	18	30	52	-5	-14
Canfield-Bachmann, 1981 Artificial Lake	17	27	45	-8	-23
Rechow, 1979 General	13	22	40	-13	-37
Rechow, 1977 Anoxic	19	32	59	-3	-9
Rechow, 1977 water load<50m/year	14	24	44	-11	-31
Rechow, 1977 water load>50m/year	N/A	N/A	N/A	N/A	N/A
Walker, 1977 General	17	29	53	1	4
Vollenweider, 1982 Combined OECD	15	24	39	-8	-25
Dillon-Rigler-Kirchner	12	20	37	-8	-29
Vollenweider, 1982 Shallow Lake/Res.	12	19	33	-13	-41
Larsen-Mercier, 1976	17	28	52	0	0
Nurnberg, 1984 Oxic	14	24	43	-11	-31

Lake Phosphorus Model	Confidence Lower Bound	Confidence Upper Bound	Parameter Fit?	Back Calculation (kg/year)	Model Type
Walker, 1987 Reservoir	18	46	Tw	0	GSM
Canfield-Bachmann, 1981 Natural Lake	9	86	FIT	1	GSM
Canfield-Bachmann, 1981 Artificial Lake	8	78	FIT	1	GSM
Rechow, 1979 General	13	36	FIT	0	GSM
Rechow, 1977 Anoxic	20	52	FIT	0	GSM
Rechow, 1977 water load<50m/year	15	39	FIT	0	GSM
Rechow, 1977 water load>50m/year	N/A	N/A	N/A	N/A	N/A
Walker, 1977 General	15	51	FIT	0	SPO
Vollenweider, 1982 Combined OECD	12	43	FIT	0	ANN
Dillon-Rigler-Kirchner	13	32	P	0	SPO
Vollenweider, 1982 Shallow Lake/Res.	10	34	FIT	0	ANN
Larsen-Mercier, 1976	19	45	P Pin	0	SPO
Nurnberg, 1984 Oxic	13	41	FIT	0	ANN

E

APPENDIX E

2006 Aquatic Plant Survey Data

sampling point	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Depth (ft)	Dominant sediment type (M=muck, S=Sand, R=Rock)	Samped holding rake pole (P) or rake rope (R?)	Comments
1	45.557335915	-89.69483647	2	S	P	
2	45.55782457	-89.69483395	12	M	P	
3	45.55829	-89.69483143	14.5	R	P	
4	45.55875542	-89.69482891	17	M	R	
5	45.55735738	-89.69471395	15.5	M	R	
6	45.55782222	-89.69471743	18.5	M	R	
7	45.55828822	-89.6941689	18	M	R	
8	45.55875365	-89.69416638	13.5	M	P	
9	45.55921907	-89.69416385	9	S	P	
10	45.55689018	-89.69351397	13	M	P	
11	45.5573555	-89.69351144	17	M	R	
12	45.55782103	-89.69350891	15.5	M	R	
13	45.55826845	-89.69350636	12.5	M	P	
14	45.5568884	-89.69285146	15.5	M	R	
15	45.55735382	-89.69284892	15.5	M	R	
16	45.55781925	-89.69284633	12	S	P	
17	45.55828467	-89.69284385	12	M	P	
18	45.55875009	-89.69284131	11.5	S	P	
19	45.55688662	-89.69218895	17	M	R	
20	45.55735204	-89.69218641	17.5	M	R	
21	45.55781746	-89.69218386	15.5	M	R	
22	45.55828282	-89.69218132	15.5	M	R	
23	45.55874831	-89.69217878	12	M	P	
24	45.55921373	-89.69217624	11.5	M	P	
25	45.56014458	-89.69217116	4.5	S	P	
26	45.55688483	-89.6915264	14.5	M	P	
27	45.55735025	-89.6915238	16.5	M	R	
28	45.55781568	-89.69152134	16.5	M	R	
29	45.558281	-89.6915188	18	M	R	
30	45.55874652	-89.6915162	16	M	R	
31	45.559677737	-89.69151116	10	M	P	
32	45.56014279	-89.69150861	10	M	P	
33	45.55688304	-89.69086393	12.5	M	P	
34	45.55734846	-89.69086137	13	M	P	
35	45.55781388	-89.69085882	13	M	P	
36	45.559217931	-89.69085627	18.5	M	R	
37	45.55874473	-89.69085372	11.5	S	P	
38	45.55967558	-89.69084861	10	M	P	
39	45.560141	-89.69084606	10	M	P	
40	45.56060642	-89.69084351	10	M	P	
41	45.55269244	-89.69022443	4.5	S	P	
42	45.556411582	-89.69020397	6.5	S	P	
43	45.55688124	-89.69020142	14	M	P	
44	45.55734667	-89.69019886	14	M	P	
45	45.55781209	-89.6901963	16	M	R	
46	45.55827751	-89.69019374	17.5	M	R	
47	45.55874293	-89.69019119	8.5	S	P	
48	45.5592083	-89.69018863	11	M	P	
49	45.55967378	-89.69018607	11	M	P	
50	45.5601392	-89.69018351	10	M	P	
51	45.56060463	-89.69018095	10	M	P	
52	45.56107005	-89.6901784	10	M	P	
53	45.55269064	-89.68956197	5	M	P	
54	45.5559486	-89.68954403	8	S	P	
55	45.55641402	-89.68954147	16.5	M	R	
56	45.55687945	-89.68953891	16	M	R	
57	45.55734487	-89.68953634	17	M	R	
58	45.55781029	-89.68953378	16	M	R	
59	45.55827571	-89.68953122	12	M	P	
60	45.55874114	-89.68952863	11.5	S	P	
61	45.55920656	-89.68952609	12	M	P	
62	45.55967198	-89.68952353	10.5	M	P	
63	45.5601374	-89.68952096	10.5	M	P	
64	45.56060283	-89.6895184	9.5	M	P	
65	45.56106825	-89.68951584	10	M	P	
66	45.56153367	-89.68951327	5	R	P	

sampling point	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Depth (ft)	Dominant sediment type (M=mud, S=Sand, R=Rock)	Samped holding rake pole (P) or raker rope (R)?	Comments
67	45.54338037	-89.68895086	3	M	P	<i>Myriophyllum spicatum</i>
68	45.54384579	-89.68894829	3	M	P	<i>Potamogeton crispus</i>
69	45.54663833	-89.68893286	4	S	P	<i>Elatine canadensis</i>
70	45.54710376	-89.68893032				<i>Ceratophyllum demersum</i>
71	45.54756918	-89.68892775	6	P		<i>Potamogeton pusillus</i>
72	45.5480346	-89.68892519	6	M	P	<i>Elatine nuttallii</i>
73	45.55268884	-89.68899501	4	S	P	
74	45.55315426	-89.68898694	4.5	S	P	
75	45.5559461	-89.68888153	11	S	P	
76	45.55641222	-89.68887897	15.5	M	R	
77	45.55687764	-89.6888764	15	M	R	
78	45.55734307	-89.68887383	12	M	P	
79	45.55780849	-89.68887126	13	M	P	
80	45.55827391	-89.68886869	12	M	P	
81	45.55873933	-89.68886612	11.5	S	P	
82	45.55920476	-89.68886355	8	R	P	
83	45.55967018	-89.68886098	10.5	M	P	
84	45.5601356	-89.68885842	10.5	M	P	
85	45.56060102	-89.68885585	10	M	P	
86	45.56106645	-89.68885328	10	M	P	
87	45.56153187	-89.68885071	9	M	P	
88	45.56291314	-89.688829108	3.5	M	P	
89	45.56337856	-89.68882885	4	M	P	
90	45.56384398	-89.68882593	3	M	P	
91	45.56570568	-89.68827564				DOCK
92	45.5661711	-89.68827307	6	M	P	
93	45.56636553	-89.6882705	6	M	P	
94	45.5710195	-89.68826793	6	M	P	
95	45.5756737	-89.68826535	6	M	P	
96	45.580322	-89.68826278	6	P		
97	45.5849822	-89.68826021	4	S	P	
98	45.5942907	-89.68825506	6	M	P	
99	45.59884449	-89.68825249	2	S	P	
100	45.55269703	-89.68823705	6	M	P	
101	45.55315245	-89.68823448	5.5	M	P	
102	45.55477957	-89.68822161	3	S	P	
103	45.5594499	-89.68821003	13.5	M	R	
104	45.55641041	-89.68821646	15.5	M	R	
105	45.55687584	-89.68821389	18	M	R	
106	45.55734126	-89.6882131	13	M	P	
107	45.55780668	-89.68820874	12.5	M	P	
108	45.5582721	-89.68820617	10	R	P	
109	45.5587353	-89.68820358	11	M	P	
110	45.55920295	-89.68820102	11	M	P	
111	45.56013379	-89.68819587	5.5	S	P	
112	45.56059922	-89.68819326	9.5	M	P	
113	45.56106464	-89.68819072	10	M	P	
114	45.56153006	-89.68818814	6	S	P	
115	45.54198048	-89.68763389				NONNAVIGABLE (PLANTS)
116	45.5424451	-89.68763131	3	M	P	
117	45.54291133	-89.68762873	3	M	P	
118	45.54337675	-89.68762615				NONNAVIGABLE (PLANTS)
119	45.54384218	-89.68762358				NONNAVIGABLE (PLANTS)
120	45.54523845	-89.68761584	6	P		
121	45.54570387	-89.68761326	6	M	P	
122	45.54616929	-89.68761063	6	M	P	
123	45.54663472	-89.68760811	6.5	M	P	
124	45.54710014	-89.68760553	7	M	P	
125	45.54756556	-89.68760298	6.5	M	P	
126	45.54803093	-89.68760037	6.5	M	P	
127	45.54849641	-89.68759378	7	M	P	
128	45.54896183	-89.68759522	7	M	P	
129	45.54942726	-89.68759264	7	M	P	
130	45.54989268	-89.68759006	6.5	M	P	
131	45.5503581	-89.68758748	6.5	M	P	
132	45.55082353	-89.6875849	6.5	M	P	

sampling point	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Depth (ft)	Dominant sediment type (M=muck, S=Sand, R=Rock)	Samped holding rake pole (P) or raker rope (R)?	Comments
133	45.55128895	-89.68758233	5.5	M	P	
134	45.55175437	-89.68757975	4.5	S	P	
135	45.5522199	-89.68757717	5.5	S	P	
136	45.55268522	-89.68757459	6.5	M	P	
137	45.55315064	-89.68757201	4.5	M	P	
138	45.55501234	-89.68756169	11	M	P	
139	45.55547776	-89.68755912	12	M	P	
140	45.55594318	-89.68755654	14	M	P	
141	45.5564086	-89.68755396	17.5	M	R	
142	45.55687403	-89.68755138	18.5	M	R	
143	45.55733945	-89.6875488	14.5	M	R	
144	45.55780487	-89.68754622	12	M	P	
145	45.55827029	-89.68754364	10.5	M	P	
146	45.55873572	-89.68754106	11	M	P	
147	45.55920114	-89.68753848	10	M	P	
148	45.5596665	-89.6875359	10	M	P	
149	45.56013198	-89.6875332	6	R	P	
150	45.56059741	-89.68753074	9	M	P	3
151	45.56106283	-89.68752816	9	M	P	
152	45.56152825	-89.68752558	9	M	P	
153	45.54244409	-89.68696897	4	S	P	
154	45.54290951	-89.6869663	4	M	P	
155	45.54337494	-89.6869638	3	S	P	
156	45.54523663	-89.68695347	6	M	P	
157	45.54570206	-89.68695089	6	P		
158	45.54616748	-89.686949483	7	P		
159	45.5466329	-89.68694572	8	M	P	
160	45.54709833	-89.68694314	8	M	P	
161	45.54756375	-89.68694055	8.5	M	P	
162	45.54802917	-89.68693797	8	P		
163	45.5484946	-89.68693532	7.5	M	P	
164	45.54896002	-89.6869328	7.5	S	P	
165	45.54942544	-89.68693022	7	S	P	
166	45.54980987	-89.68692763				
167	45.55036629	-89.68692505	1	M	P	
168	45.55082171	-89.68692247	2.5	M	P	
169	45.55126714	-89.68691988	1	M	P	
170	45.55175256	-89.6869173	6	M	P	
171	45.55221798	-89.68691471	6	M	P	
172	45.55268341	-89.68691213	6	M	P	
173	45.55314883	-89.68690954	6	M	P	
174	45.55501052	-89.68689921	11.5	M	P	
175	45.55547594	-89.68689662	14	M	R	
176	45.55594137	-89.68689404	18	M	R	
177	45.55640679	-89.68689145	18	M	R	
178	45.55687221	-89.68688887	17.5	M	R	
179	45.55733764	-89.6868862	13	M	P	
180	45.55780306	-89.6868837	11	M	P	
181	45.55826848	-89.68688111	11	M	P	
182	45.5587338	-89.68687853	10.5	M	P	
183	45.55919933	-89.68687594	10	M	P	
184	45.55966475	-89.68687336	10	M	P	
185	45.56013017	-89.68687077	10	M	P	
186	45.56059559	-89.68686819	9	M	P	
187	45.56106102	-89.68686856	9	M	P	
188	45.54244227	-89.68630663	2.5	S	P	
189	45.54337312	-89.68630145				NO INFORMATION
190	45.5447693	-89.68629368	5.5	M	P	
191	45.54523482	-89.68629111	6	M	P	
192	45.54570024	-89.68628851	6	M	P	
193	45.54616566	-89.68628592	7	M	P	
194	45.54663109	-89.68628333	7	M	P	
195	45.54709651	-89.68628074	7	S	P	
196	45.54756193	-89.68627815	7.5	M	P	
197	45.54802736	-89.68627556	7.5	P		
198	45.54849278	-89.68627297	8	M	P	

sampling point	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Depth (ft)	Dominant sediment type (M=muck, S=Sand, R=Rock)	Samped holding rake pole (P) or raker rope (R)?	Comments
199	45.5489582	-89.68627038	8.5	M	P	<i>Myriophyllum spicatum</i> <i>Potamogeton crispus</i> <i>Eloea canadensis</i>
200	45.54942363	-89.6862678	7	M	P	1 1 1 2 1
201	45.54988905	-89.68626521				TERRESTRIAL
202	45.55035447	-89.68626262				TERRESTRIAL
203	45.5508194	-89.68626003	0.25	M	P	<i>Nuphar variegata</i> , Spatterdock
204	45.55128532	-89.68625744	6	M	P	2 1
205	45.55175074	-89.68625485	6	M	P	1
206	45.55221617	-89.68625226	6	M	P	1
207	45.55268159	-89.68624967	6	M	P	2
208	45.55454328	-89.68623931	11	M	P	1 1
209	45.5550087	-89.68623672	12.5	M	P	
210	45.55547413	-89.68623413	16.5	M	R	
211	45.55593955	-89.68623154	16.5	M	R	
212	45.55640497	-89.68622895	19.5	M	R	
213	45.5568703	-89.68622636	14	M	R	
214	45.5573358	-89.68622377	10.5	M	P	
215	45.55780124	-89.68622118	11	M	P	1
216	45.55826666	-89.68621858	10.5	M	P	
217	45.55873208	-89.686216	10	M	P	2
218	45.55919751	-89.68621341	10	M	P	2 1
219	45.55966293	-89.68621082	10	M	P	1
220	45.56012835	-89.68620822	9	M	P	2 1
221	45.56059377	-89.68620563	8.5	M	P	2 1
222	45.5610592	-89.68620304	8.5	M	P	2 1 1
223	45.54197503	-89.68564686				NONNAVIGABLE (PLANTS)
224	45.54244045	-89.68564429				NONNAVIGABLE (PLANTS)
225	45.5429058	-89.68564169	3.5	S	P	
226	45.5433713	-89.68563391	4	R	P	
227	45.54430215	-89.68563391	4	S	P	1
228	45.5447657	-89.68563132	5			V 1 V 1 V 1
229	45.545233	-89.68562872	5.5			1 1 V
230	45.54569842	-89.68562613	4	S	P	1 1 1
231	45.54616384	-89.68562354	6	P		1 1 1
232	45.54662927	-89.68562094	6.5			1 2 1
233	45.547090469	-89.68561835	6.5	P		1 1 1
234	45.54750611	-89.68561575	7	S	P	1 1 1
235	45.54802554	-89.68561316	7	S	P	2 1 1
236	45.54849036	-89.68561056	7	M	P	2 1 1
237	45.54895638	-89.68560797	7.5	M	P	1 1 1
238	45.54942161	-89.68560537	7	M	P	1 1
239	45.54988723	-89.68560278	4	M	P	
240	45.55035265	-89.68560018	6.5	M	P	
241	45.55081808	-89.68559795	6.5	M	P	
242	45.5512833	-89.68559499	7	M	P	
243	45.55174892	-89.6855924	6	M	P	1
244	45.55221434	-89.6855998	6	M	P	2 V 1
245	45.55267977	-89.68558721	5	S	P	1 1 1
246	45.55454146	-89.68557683	11	M	P	1 1 1
247	45.5550068	-89.68557423	12	M	P	1
248	45.5554723	-89.68557164	13	M	P	
249	45.55593773	-89.68556904	15	M	P	
250	45.55640315	-89.6855664	16.5	M	P	
251	45.55686857	-89.68556385	11.5	M	P	
252	45.557334	-89.68556125	10	M	P	1
253	45.55779942	-89.68555866	11	M	P	
254	45.55826484	-89.68555606	9	M	P	2 1
255	45.55873026	-89.68555346	10	M	P	1 1 1
256	45.55919569	-89.68555087	10	M	P	1 2 1
257	45.55966111	-89.68554827	10	M	P	1 1 1
258	45.56012653	-89.68554565	8.5	M	P	2
259	45.56059195	-89.68554308	8.5	M	P	2
260	45.56105738	-89.68554048	8.5	M	P	1 2 1
261	45.54104236	-89.68498975				NONNAVIGABLE (PLANTS)
262	45.54150778	-89.68498715				NONNAVIGABLE (PLANTS)
263	45.5419732	-89.68498455				NONNAVIGABLE (PLANTS)
264	45.54243863	-89.68498195				NONNAVIGABLE (PLANTS)

sampling point	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Depth (ft)	Dominant sediment type (M=muck, S=Sand, R=Rock)	Sample holding rake pole (P) or raker rope (R)?	Comments
NONNAVIGABLE (PLANTS)						
265	45.5429405	-89.68497935				<i>Myriophyllum spicatum</i>
266	45.54336948	-89.68497675	4	M	P	<i>Potamogeton crispus</i>
267	45.5438343	-89.68497415	4.5	M	P	<i>Elatine canadensis</i>
268	45.54430032	-89.68497155	4	M	P	<i>Ceratophyllum demersum</i>
269	45.5476575	-89.68496895	4	M	P	<i>Potamogeton pectinatus</i>
270	45.54523117	-89.6849635	4	M	P	<i>Elatine nuttallii</i>
271	45.54569569	-89.68496375	5.5			<i>Nuphar variegata</i> , Spatterdock
272	45.54616202	-89.68496115	6	S	P	<i>Sparganium</i> sp. # 1
273	45.54662744	-89.6849585	5			<i>Potamogeton gramineus</i>
274	45.54709286	-89.68495595	6	S	P	<i>Potamogeton spirillus</i>
275	45.54755829	-89.68495335	5			<i>Potamogeton zosteriformis</i>
276	45.54802371	-89.68495075	6.5	M	P	<i>Myriophyllum strobiliforme</i>
277	45.54848913	-89.68494815	6.5	M	P	<i>Nitella</i> sp.
278	45.54895456	-89.68494555	7	M	P	<i>Potamogeton praelongus</i>
279	45.5494199	-89.68494295	7.5	S	P	<i>Eleocharis acicularis</i>
280	45.5498854	-89.68494035	7	M	P	<i>Najas flexilis</i>
281	45.55035084	-89.68493775	7	M	P	<i>Schoenoplectus tabernaemontani</i>
282	45.55081625	-89.68493515	8	M	P	mos (Fissidens)
283	45.55128167	-89.68493255	6.5	M	P	<i>Chara</i> sp.
284	45.5517471	-89.68492995	6	M	P	<i>Megadolona beckii</i>
285	45.55221252	-89.68492735	6	M	P	<i>Sparganium</i> sp.
286	45.55453963	-89.68491434	11	M	P	<i>Sagittaria</i> sp.
287	45.55500506	-89.68491174	12	M	P	<i>Lemna trisulca</i>
288	45.55547048	-89.68490914	15.5	M	P	<i>Typha</i> sp.
289	45.5559359	-89.68490654	16	M	P	<i>Potamogeton foliosus</i>
290	45.55640132	-89.68490394	15.5	M	P	<i>Eleocharis palustris</i>
291	45.55686675	-89.68490134	13	M	P	<i>Potamogeton richardsonii</i>
292	45.55733217	-89.68489874	11	M	P	<i>Dulichium arundinaceum</i>
293	45.55779759	-89.68489614	6	R	P	<i>Vallisneria americana</i>
294	45.55965928	-89.68488573	8.5	S	P	<i>Utricularia vulgaris</i>
295	45.5601247	-89.68488313	8.5	M	P	<i>Polygonum amphibium</i>
296	45.56050913	-89.68488055	8.5	M	P	<i>Elatine minima</i>
297	45.54104053	-89.68432742				<i>Potamogeton amplifolius</i>
298	45.54150595	-89.68432482				<i>Potamogeton strictifolius</i>
299	45.54197138	-89.68432221				Freshwater sponge
300	45.5424368	-89.68431961				<i>Hypericum boreale</i>
301	45.54290222	-89.684317				<i>Eleocharis</i> sp.
302	45.54330765	-89.6843144	4	S	P	<i>Nymphaea odorata</i>
303	45.54383307	-89.68431179	4			<i>Phalaris arundinacea</i>
304	45.54429849	-89.68430919	4.5	P		<i>Equisetum fluviatile</i>
305	45.54476392	-89.68430654	4.5	S	P	<i>Isoetes</i> sp.
306	45.54522934	-89.68430396	5	P		<i>Lemna minor</i>
307	45.54569477	-89.68430137	5.5	S	P	<i>Potamogeton vaseyi</i>
308	45.54616019	-89.68429877	5.5	P		<i>Sagittaria latifolia</i>
309	45.54662561	-89.68429616	6	S	P	<i>Isotoma echinospora</i>
310	45.54709104	-89.68429356	6	S	P	<i>Sium suave</i>
311	45.54755646	-89.68429095	6	M	P	<i>Phragmites australis</i>
312	45.54848731	-89.68428574	5	S	P	<i>Potamogeton natans</i>
313	45.54895273	-89.68428314	7	M	P	<i>Sagittaria cuneata</i>
314	45.54941815	-89.68428053	7.5	S	P	unknown grass
315	45.54988358	-89.68427792	7.5	M	P	<i>Carex</i> sp.
316	45.550349	-89.68427532	7.5	M	P	
317	45.55081442	-89.68427271	7	M	P	
318	45.55127994	-89.68427011	7	M	P	
319	45.55500323	-89.68424926	11	M	P	
320	45.5554686	-89.68424665	15	M	P	
321	45.55593407	-89.68424404	14.5	M	P	
322	45.5563395	-89.68424144	14.5	M	P	
323	45.55686492	-89.68423883	11	M	P	
324	45.55730304	-89.68423622	11	M	P	
325	45.56012288	-89.68422058	8.5	M	P	
326	45.5410387	-89.6836651				
327	45.54150412	-89.68366249				
328	45.54196954	-89.68365988				
329	45.54243497	-89.68365727				
330	45.54290039	-89.68365466				
NONNAVIGABLE (PLANTS)						

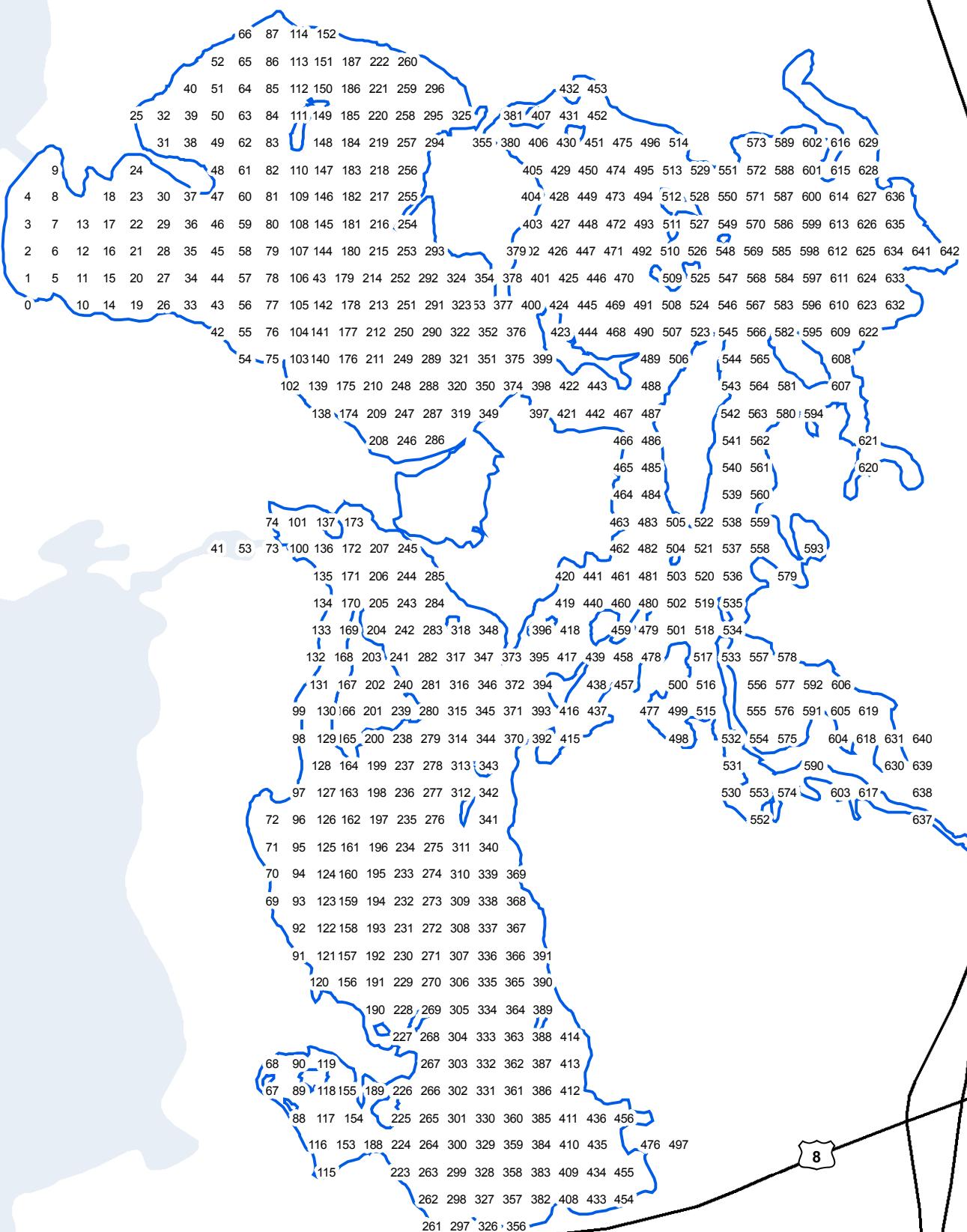
sampling point	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Depth (ft)	Dominant sediment type (M=muck, S=Sand, R=Rock)	Samped holding rake pole (P) or raker rope (R)?	Comments
331	45.54336581	-89.68365205	4	P		<i>Myriophyllum spicatum</i>
332	45.54383124	-89.68364944	5.5	P		<i>Potamogeton crispus</i>
333	45.54429666	-89.68364683	5	P		<i>Elatine canadensis</i>
334	45.54476209	-89.68364422	5	P		<i>Ceratophyllum demersum</i>
335	45.54522751	-89.68364161	5	S		<i>Potamogeton pectinatus</i>
336	45.54569293	-89.68363899	5	P		<i>Elatine nuttallii</i>
337	45.54615836	-89.68363636	5.5	S	P	<i>Nuphar variegata</i> , Spatterdock
338	45.54662378	-89.68363377	5.5	S	P	<i>Sparganium sp. # 1</i>
339	45.5470892	-89.68363116	5.5	S	P	<i>Potamogeton gramineus</i>
340	45.54755463	-89.68362855	6	M	P	<i>Potamogeton zosteriformis</i>
341	45.54802005	-89.68362594	6	M	P	<i>Myriophyllum strobiliforme</i>
342	45.54848547	-89.68362333	6	M	P	<i>Nitella sp.</i>
343	45.5489509	-89.68362072	3	S	P	<i>Potamogeton praelongus</i>
344	45.54941632	-89.68361811	7	M	P	<i>Eleocharis acicularis</i>
345	45.54988174	-89.6836155	8	M	P	<i>Nejas flexilla</i>
346	45.55034717	-89.68361284	6.5	S	P	<i>Schoenoplectus tabernaemontani</i>
347	45.55081259	-89.68361027	7	M	P	<i>Schoenoplectus acutus</i>
348	45.55127801	-89.68360766	7	M	P	<i>Sagittaria sp.</i>
349	45.55500139	-89.68358677	6	S	P	<i>Potamogeton filiformis</i>
350	45.55546682	-89.68358416	13.5	M	P	<i>Chara sp.</i>
351	45.55593224	-89.68358154	13.5	M	P	<i>Megadolona beeki</i>
352	45.55639766	-89.68357893	11.5	M	P	<i>Spartina sp.</i>
353	45.55686303	-89.6835763	4	R	P	<i>Schoenoplectus tabernaemontani</i>
354	45.55732851	-89.68357371	6	S	P	<i>Lemna trisulca</i>
355	45.55965562	-89.68356065	7	M	P	<i>Typha sp.</i>
356	45.54103686	-89.68300278				<i>Potamogeton foliosus</i>
357	45.54150228	-89.68300016				<i>Potamogeton richardsonii</i>
358	45.54196771	-89.68299754				<i>Dulichium arundinaceum</i>
359	45.54243313	-89.68299493				<i>Vallisneria americana</i>
360	45.54289856	-89.68299231	4	P		<i>Utricularia vulgaris</i>
361	45.54336398	-89.68299897	4.5	P		<i>Polygonum amphibium</i>
362	45.5438294	-89.68298709	4.5	S	P	<i>Elatine minima</i>
363	45.54429483	-89.68298446	5	S	P	<i>Potamogeton amplifolius</i>
364	45.54476025	-89.68298185	5	S	P	<i>Potamogeton strictifolius</i>
365	45.54522567	-89.68297023	5	P		<i>Freshwater sponge</i>
366	45.5456911	-89.68297662	5	S	P	<i>Hypericum boreale</i>
367	45.54615652	-89.682974	6	S	P	<i>Eleocharis sp.</i>
368	45.54662194	-89.68297138	5	S	P	<i>Nymphaea odorata</i>
369	45.54708737	-89.68296877	4	P		<i>Phalaris arundinacea</i>
370	45.54941448	-89.68295569	6.5	S	P	<i>Elodea canadensis</i>
371	45.54987791	-89.68295307	8	M	P	<i>Equisetum fluviatile</i>
372	45.55034533	-89.68295045	8	M	P	<i>Isoetes sp.</i>
373	45.55081075	-89.68294784	6	M	P	<i>Lemna minor</i>
374	45.55546498	-89.682932166	8	S	P	<i>Potamogeton vaseyi</i>
375	45.55593048	-89.68291905	13	M	P	<i>Sagittaria latifolia</i>
376	45.55639583	-89.68291643	12	M	P	<i>Isotoma echinospora</i>
377	45.55686125	-89.68291381	5	S	P	<i>Sium suave</i>
378	45.55732667	-89.68291119	5	S	P	<i>Phragmites australis</i>
379	45.55779209	-89.68290856	6.5	S	P	<i>Potamogeton natans</i>
380	45.55965378	-89.68289881	9	M	P	<i>Sagittaria cuneata</i>
381	45.5601192	-89.68289549	3.5	M	P	<i>unknown grass</i>
382	45.54150044	-89.68233783				<i>Carex sp.</i>
383	45.54196587	-89.68233521				
384	45.54243129	-89.68233259				
385	45.54289672	-89.68232997	4	P		
386	45.54336214	-89.68232735	4.5	P		
387	45.54382756	-89.68232472	4	P		
388	45.54429299	-89.68232221	4	S	P	
389	45.54475841	-89.68231946	4.5	P		
390	45.54522386	-89.68231686	4.5	S	P	
391	45.54568926	-89.68231424	4	P		
392	45.54941264	-89.68229326	6	M	P	
393	45.54987807	-89.68229064	7	M	P	
394	45.55034349	-89.68228802	6	S	P	
395	45.55080891	-89.6822854	7	M	P	
396	45.55127433	-89.68228277	4	S	P	

sampling point	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Depth (ft)	Dominant sediment type (M=muck, S=Sand, R=Rock)	Samped holding rake pole (P) or raker rope (R)?	Comments
397	45.5549972	-89.68226179	6.5	R	P	
398	45.55546314	-89.68225917	14	M	P	
399	45.55592856	-89.68225655	11	R	P	
400	45.55685941	-89.6822513	10	M	P	
401	45.55732483	-89.68224864	10	M	P	
402	45.55779025	-89.68224606	9.5	M	P	
403	45.55825567	-89.68224343	10	M	P	
404	45.5587211	-89.68224081	4	R	P	
405	45.55916552	-89.68223819	9	M	P	
406	45.55965194	-89.68223556	8.5	M	P	
407	45.56011736	-89.68223294	4.5	R	P	
408	45.5414986	-89.6816755				NONNAVIGABLE (PLANTS)
409	45.54196402	-89.6816728				NONNAVIGABLE (PLANTS)
410	45.54242945	-89.68167025				NONNAVIGABLE (PLANTS)
411	45.54289487	-89.68166762				NONNAVIGABLE (PLANTS)
412	45.54336029	-89.6816615				NONNAVIGABLE (PLANTS)
413	45.54382572	-89.68166237	4	P		
414	45.54429114	-89.68165974	4	P		
415	45.5494104	-89.68163084	3	S	P	
416	45.54987622	-89.68162821	5.5	M	P	
417	45.55080707	-89.68162296	8	M	P	
418	45.55127249	-89.68162033	9.5	M	P	
419	45.55173791	-89.6816177	8	M	P	
420	45.55220334	-89.68161505	7	M	P	
421	45.55499587	-89.68159931	11.5	M	P	
422	45.55546129	-89.68159661	12	M	P	
423	45.55639214	-89.68159142	9.5	S	P	
424	45.55685756	-89.68158879	10	M	P	
425	45.55732298	-89.68158616	10	M	P	
426	45.55778841	-89.68158354	9.5	M	P	
427	45.55825383	-89.68158091	9.5	M	P	
428	45.55871925	-89.6815782	9	M	P	
429	45.55918467	-89.68157565	9	M	P	
430	45.55965051	-89.68157302	4	R	P	
431	45.56011552	-89.68157039	8	M	P	
432	45.560508094	-89.68156776	1.5	M	P	
433	45.54149675	-89.68101317				NONNAVIGABLE (PLANTS)
434	45.54196218	-89.68101054				NONNAVIGABLE (PLANTS)
435	45.5424276	-89.68100791				NONNAVIGABLE (PLANTS)
436	45.54289302	-89.6810052				NONNAVIGABLE (PLANTS)
437	45.54987437	-89.68096579	5	M	P	
438	45.5503394	-89.68096315	5.5	P		V
439	45.55080522	-89.68096052	5.5	P		
440	45.55173606	-89.68095525	10.5	M	P	
441	45.55220149	-89.68095262	9	M	P	
442	45.55499402	-89.68093682	12.5	M	P	
443	45.55545945	-89.68093419	12	M	P	
444	45.55639029	-89.68092892	11	M	P	
445	45.55685571	-89.6809262	11.5	M	P	
446	45.55732114	-89.68092365	11	M	P	
447	45.55778656	-89.68092102	11	M	P	
448	45.55825198	-89.68091834	10.5	M	P	
449	45.5587174	-89.68091575	10	M	P	
450	45.55918283	-89.68091311	9	P		
451	45.55964825	-89.6809104	9	M	P	
452	45.56011367	-89.68090784	8	M	P	
453	45.56057909	-89.68090521	3	M	P	
454	45.5414949	-89.68035084				NONNAVIGABLE (PLANTS)
455	45.54196032	-89.68034821				NONNAVIGABLE (PLANTS)
456	45.54289117	-89.68034293				NONNAVIGABLE (PLANTS)
457	45.55033794	-89.68030072	5	P		
458	45.55080337	-89.68029808	5	S	P	
459	45.55126879	-89.68029544	1.5	S	P	
460	45.55173421	-89.68029281	9	M	P	
461	45.55219964	-89.68029017	10	M	P	
462	45.55266506	-89.68028753	8.5	M	P	
						Myriophyllum spicatum
						Potamogeton crispus
						Eloea canadensis
						Ceratophyllum demersum
						Potamogeton pusillus
						Eloea nuttallii
						Nuphar variegata/Sparre dock
						Sparganium sp. # 1
						Potamogeton gramineus
						Potamogeton spirillus
						Potamogeton zosteriformis
						Myriophyllum strobiliforme
						Nitella sp.
						Potamogeton praetorius
						Eleocharis acicularis
						Nejaea flexilis
						Schoenoplectus tabernaemontani
						Sagittaria sp.
						Lemna trisulca
						Typha sp.
						Megadolona beckii
						Sparganium sp.
						Schoenoplectus tabernaemontani
						Sagittaria sp.
						Lemna trisulca
						Typha sp.
						Utricularia vulgaris
						Polygonum amphioxys
						Eleocharis palustris
						Potamogeton richardsonii
						Dulichium arundinaceum
						Vallisneria americana
						Freshwater sponge
						Hypericum boreale
						Eleocharis sp.
						Nymphaea odorata
						Phalaris arundinacea
						Equisetum fluviatile
						Isocetea sp.
						Lemna minor
						Potamogeton vaseyi
						Sagittaria latifolia
						Isocetea echinospora,
						Sium suave
						unknown grass
						Phragmites australis
						Potamogeton natans
						Sagittaria cuneata
						unknown emergent
						Carex sp.

sampling point	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Depth (ft)	Dominant sediment type (M=mud, S=Sand, R=Rock)	Samped holding rake pole (P) or rake rope (R)?	Comments
						<i>Myriophyllum spicatum</i>
						<i>Potamogeton crispus</i>
						<i>Elatine canadensis</i>
						<i>Ceratophyllum demersum</i>
						<i>Potamogeton pectinatus</i>
						<i>Elatine nuttallii</i>
						<i>Nuphar variegata</i> , Spatterdock
						<i>Sparganium</i> sp. # 1
						<i>Potamogeton gramineus</i>
						<i>Potamogeton spirillus</i>
						<i>Potamogeton zosteriformis</i>
						<i>Myriophyllum strobiliforme</i>
						<i>Nitella</i> sp.
						<i>Potamogeton praelongus</i>
						<i>Eleocharis acicularis</i>
						<i>Nejaea flexilla</i>
						<i>Schoenoplectus tabernaemontani</i>
						mos (Fissidens)
						<i>Chara</i> sp.
						<i>Megadolona beckii</i>
						<i>Sparganium</i> sp.
						<i>Schoenoplectus tabernaemontani</i>
						<i>Sagittaria</i> sp.
						<i>Potamogeton foliosus</i>
						<i>Lemna trisulca</i>
						<i>Typha</i> sp.
						<i>filamentous algae</i>
						<i>Potamogeton epihydrus</i>
						<i>Eleocharis palustris</i>
						<i>Potamogeton richardsonii</i>
						<i>Dulichium arundinaceum</i>
						<i>Vallisneria americana</i>
						<i>Utricularia vulgaris</i>
						<i>Polygonum amphibium</i>
						<i>Elatine minima</i>
						<i>Potamogeton amplifolius</i>
						<i>Potamogeton strictifolius</i>
						Freshwater sponge
						<i>Hypericum boreale</i>
						<i>Eleocharis</i> sp.
						<i>Nymphaea odorata</i>
						<i>Phalaris arundinacea</i>
						<i>Equisetum fluviatile</i>
						<i>Isocoma</i> sp.
						<i>Lemna minor</i>
						<i>Potamogeton vaseyi</i>
						<i>Sagittaria latifolia</i>
						<i>Isotoma echinospora</i>
						<i>Sium suave</i>
						<i>unknown grass</i>
						<i>Phragmites australis</i>
						<i>Sagittaria cuneata</i>
						<i>unknown emergent</i>
						<i>Carex</i> sp.

sampling point	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Depth (ft)	Dominant sediment type (M=mud, S=Sand, R=Rock)	Samped holding rake pole (P) or rake rope (R)?	Comments
529	45.55917539	-89.67626297	4	S	P	
530	45.54846881	-89.67766163				NONNAVIGABLE (PLANTS)
531	45.54893423	-89.67765897	3	S	P	
532	45.54939965	-89.67765631	5	S	P	
533	45.55079592	-89.67764833	4.5	S	P	
534	45.55126134	-89.67764567	5	S	P	
535	45.55172677	-89.67764301	7	M	P	
536	45.55219219	-89.67764035	6.5	M	P	
537	45.55265761	-89.67763769	6.5	S	P	
538	45.55312303	-89.67763503	5	R	P	
539	45.55358848	-89.67763237	8	M	P	
540	45.55405383	-89.67762971	9	M	P	
541	45.5545193	-89.67762705	8.5	M	P	
542	45.55498472	-89.67762438				TEMPORARY OBSTACLE
543	45.55545015	-89.67762172	9	S	P	
544	45.55591157	-89.6776189	9.5	S	P	
545	45.55638093	-89.6776164	10	S	P	
546	45.55684641	-89.67761374	10.5	S	P	
547	45.55731184	-89.67761108	14	M	P	
548	45.55777226	-89.67760842	9.5	R	P	
549	45.55824268	-89.67760575	9.5	R	P	
550	45.5587081	-89.67760309	9.5	R	P	
551	45.55917352	-89.67760043	4.5	R	P	
552	45.54800151	-89.67700189				NONNAVIGABLE (PLANTS)
553	45.54846693	-89.67699922	3.5	M	P	
554	45.54939778	-89.67699389				NONNAVIGABLE (PLANTS)
555	45.5498632	-89.67699123				NONNAVIGABLE (PLANTS)
556	45.55032863	-89.67698856				NONNAVIGABLE (PLANTS)
557	45.55079405	-89.67698582	4	M	P	
558	45.55265574	-89.6769752	5	M	P	
559	45.55312116	-89.67697256	4.5	R	P	
560	45.55358658	-89.6769699	7.5	M	P	
561	45.55405201	-89.67696723	8	M	P	
562	45.55451743	-89.67696456	8	S	P	
563	45.55498285	-89.6769619	9	R	P	
564	45.55544827	-89.67695923	9	M	P	
565	45.5559137	-89.6769565	9	R	P	
566	45.55637912	-89.6769539	10	R	P	
567	45.55684454	-89.67695123	10	S	P	
568	45.5573098	-89.67694856	12	M	P	
569	45.55777539	-89.6769459	13	M	P	
570	45.55824081	-89.67694323	10	S	P	
571	45.55870623	-89.67694056	9	R	P	
572	45.55917165	-89.67693789	7.5	S	P	
573	45.55963707	-89.67693523	8	R	P	
574	45.5484650	-89.67633681				TERRESTRIAL
575	45.54939591	-89.67633147				NONNAVIGABLE (PLANTS)
576	45.54986133	-89.6763288				NONNAVIGABLE (PLANTS)
577	45.55032675	-89.67632613				NONNAVIGABLE (PLANTS)
578	45.55079217	-89.67632346				NONNAVIGABLE (PLANTS)
579	45.55218844	-89.67631544	3.5	S	P	
580	45.55498093	-89.67629941	9	M	P	
581	45.5554464	-89.67629674	8	M	P	
582	45.55637724	-89.67629139	6	R	P	
583	45.55684267	-89.67628872	11	P		
584	45.5573080	-89.67628605	12	M	P	
585	45.55777351	-89.67628338	12.5	M	P	
586	45.55823893	-89.6762807	10.5	M	P	
587	45.55870435	-89.67627803	9.5	M	P	
588	45.55916978	-89.67627536	9	M	P	
589	45.5596352	-89.67627269				TEMPORARY OBSTACLE
590	45.5489286	-89.67567173	2	S	P	
591	45.54985945	-89.67566637				NONNAVIGABLE (PLANTS)
592	45.55032487	-89.67566637				NONNAVIGABLE (PLANTS)
593	45.55265199	-89.67565031	3.5	P		
594	45.5549791	-89.67563692	3	S	P	

sampling point	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Depth (ft)	Dominant sediment type (M=muck, S=Sand, R=Rock)	Sampled holding rake pole (P) or raker rope (R)?	Comments
595	45.55637536	-89.67562889	9.5	R	P	<i>Myriophyllum spicatum</i> <i>Potamogeton crispus</i> <i>Elatine canadensis</i>
596	45.55684079	-89.67562621	13.5	M	P	<i>Ceratophyllum demersum</i>
597	45.55730621	-89.67562353	11.5	M	P	<i>Potamogeton pusillus</i>
598	45.55777163	-89.67562086	11	M	P	<i>Elatine nuttallii</i>
599	45.55823705	-89.67561818	10.5	M	P	<i>Nuphar variegata</i> , Spatterdock
600	45.55870248	-89.6756155	10.5	M	P	<i>Sparganium</i> sp. # 1
601	45.5591672	-89.67561282	5.5	R	P	<i>Potamogeton gramineus</i> <i>Potamogeton spirillus</i>
602	45.55963332	-89.67561014	4.5	R	P	<i>Potamogeton zosteriformis</i>
603	45.5484613	-89.67501199				NONNAVIGABLE (PLANTS)
604	45.54939214	-89.67500663				NONNAVIGABLE (PLANTS)
605	45.54985757	-89.67500395				NONNAVIGABLE (PLANTS)
606	45.55032298	-89.67500126				NONNAVIGABLE (PLANTS)
607	45.55544264	-89.67497175	7.5	S	P	<i>Myriophyllum strobiliforme</i>
608	45.55590803	-89.67496907	8	R	P	<i>Nitella</i> sp.
609	45.55637348	-89.67496639	9	S	P	<i>Potamogeton paeelongus</i>
610	45.5568388	-89.67496397	11.5	S	P	<i>Eleocharis acicularis</i>
611	45.55730433	-89.67496102	11.5	M	P	<i>Nejas flexilla</i>
612	45.55776975	-89.67495834	10	M	P	<i>Schoenoplectus tabernaemontani</i>
613	45.55823517	-89.67495565	10	M	P	<i>Sagittaria</i> sp.
614	45.55870059	-89.67495297	9.5	M	P	<i>Lemna trisulca</i>
615	45.55916601	-89.67495029	9	M	P	<i>Typha</i> sp.
616	45.55963144	-89.6749476	1.5	R	P	<i>filamentous algae</i>
617	45.54845941	-89.67434956				<i>Potamogeton filiformis</i>
618	45.54939026	-89.67434421				<i>Potamogeton richardsonii</i>
619	45.54985568	-89.67434152				<i>Dulichium arundinaceum</i>
620	45.55404448	-89.67431733				<i>Vallisneria americana</i>
621	45.55450991	-89.67431464	3.5	S	P	<i>Utricularia vulgaris</i>
622	45.55637159	-89.67430388	4	R	P	<i>Polygonum amphibium</i>
623	45.55683702	-89.6743012	9	P		<i>Elatine minima</i>
624	45.55730244	-89.67429851	10.5	P		<i>Potamogeton amplifolius</i>
625	45.55776786	-89.67429582	10	P		<i>Potamogeton strictifolius</i>
626	45.55823328	-89.67429313	10	M	P	Freshwater sponge
627	45.5586987	-89.67429044	9.5	M	P	<i>Hypericum boreale</i>
628	45.55916413	-89.67428775	9	M	P	<i>Eleocharis</i> sp.
629	45.55962955	-89.67428505	9.5	M	P	<i>Nymphaea odorata</i>
630	45.54892204	-89.67369448				<i>Phalaris arundinacea</i>
631	45.54938537	-89.67368178				<i>Equisetum fluviatile</i>
632	45.55683513	-89.67368269	7	P		<i>Isoetes</i> sp.
633	45.55730055	-89.67363599	5.5	R	P	<i>Lemna minor</i>
634	45.55776597	-89.67363333	9	M	P	<i>Potamogeton vaseyi</i>
635	45.55823139	-89.6736306	9.5	M	P	<i>Sagittaria latifolia</i>
636	45.55869861	-89.67362791	9	M	P	<i>Isotoma echinospora</i>
637	45.54799021	-89.67302746				<i>Sium suave</i>
638	45.54845663	-89.67302476				<i>unknown grass</i>
639	45.54892105	-89.67302206				<i>Phragmites australis</i>
640	45.54938647	-89.67301937				<i>Potamogeton natans</i>
641	45.55776408	-89.67297078	7	M	P	<i>Sagittaria cuneata</i>
642	45.55776218	-89.67230826	1.5	S	P	<i>unknown emergent</i>
0	45.55689373	-89.69483899				<i>Carex</i> sp.
						NO INFORMATION



F

APPENDIX F

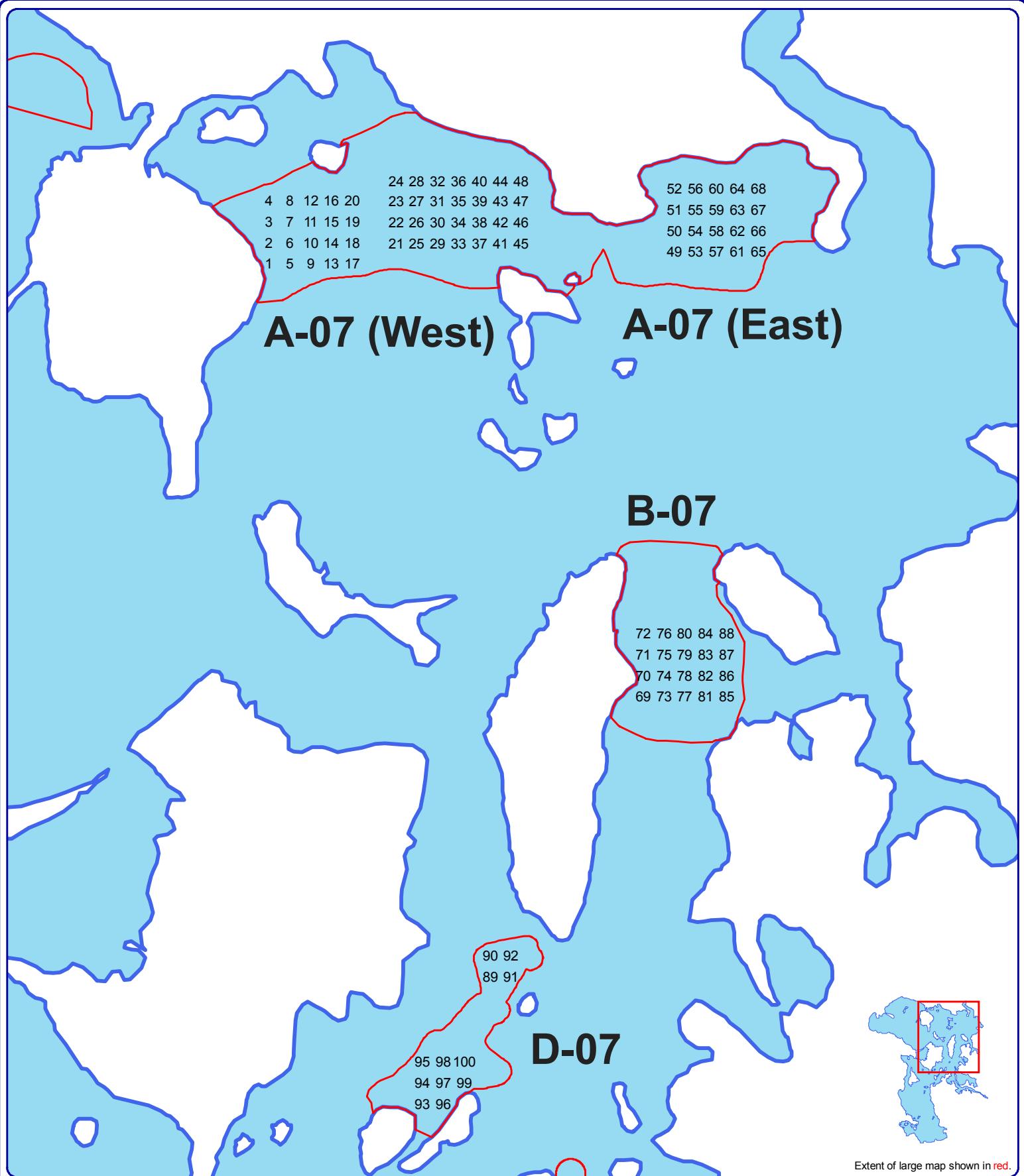
2007 Treatment Monitoring Data

Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Depth (ft)	Sediment type (M=muck, S=Sand, R=Rock)	Rope (R); Pole (P); Visual (V)	<i>Myriophyllum spicatum</i>	<i>Potamogeton crispus</i>	<i>Elodea canadensis</i>	<i>Ceratophyllum demersum</i>	<i>Myriophyllum sibiricum</i>	<i>Potamogeton praelongus</i>	<i>Potamogeton zosteriformis</i>	<i>Potamogeton amplifolius</i>	Notes
1	45.55882	-89.68219	2	S	P 1									
2	45.55900	-89.68219	5	S	P 2			1						
3	45.55918	-89.68218	5	S	P 2			1		1			1	
4	45.55936	-89.68218	5	S	P 2			1		1				
5	45.55882	-89.68193	4	S	P 2			2						
6	45.55900	-89.68193	4	S	P 2									
7	45.55918	-89.68193	5	S	P 2			1		1				
8	45.55936	-89.68193	5	S	P 1			1		1				
9	45.55882	-89.68167	6	S	P 2			1		1				
10	45.55900	-89.68167	5	S	P 1			2						
11	45.55918	-89.68167	5	S	P 3			1						
12	45.55936	-89.68167	5	S	P 1									Filamentous algae
13	45.55882	-89.68142	5	S	P 1			1						
14	45.55900	-89.68142	6	S	P 1					1				
15	45.55918	-89.68142	6	S	P 2			1						
16	45.55936	-89.68142	4	S	P 1									Filamentous algae
17	45.55882	-89.68116	7	S	P 1			2						
18	45.55900	-89.68116	5	S	P 1			1				1		
19	45.55918	-89.68116	6	S	P 1			1						
20	45.55936	-89.68116	6	S	P 1									
21	45.55899	-89.68063	7	S	P 2									
22	45.55917	-89.68063	6	S	P 2			1						
23	45.55935	-89.68062	6	S	P				2					
24	45.55953	-89.68062	6	S	P 1			2						
25	45.55899	-89.68037	5	S	P				2					
26	45.55917	-89.68037	5	S	P 1			2						
27	45.55935	-89.68037	5	S	P 1			2	1			1		
28	45.55953	-89.68037	5	S	P 1			2						
29	45.55899	-89.68011	6	S	P 1			1						
30	45.55917	-89.68011	6	S	P 2			2						
31	45.55935	-89.68011	5	S	P 1			1						
32	45.55953	-89.68011	4	S	P 1			2	1					
33	45.55899	-89.67986	5	S	P 2									
34	45.55917	-89.67986	5	S	P 2									
35	45.55935	-89.67986	5	S	P 2			1						
36	45.55953	-89.67985	5	S	P				2					
37	45.55899	-89.67960	5	S	P 1			1						
38	45.55917	-89.67960	5	S	P 2			1						
39	45.55935	-89.67960	5	S	P 1			1		1				
40	45.55953	-89.67960	4	S	P 1			1		1	1	1		
41	45.55899	-89.67935	4	M	P				1	1				
42	45.55917	-89.67934	4	S	P 1			1						
43	45.55935	-89.67934	4	S	P				1	1	1			
44	45.55953	-89.67934	4	S	P				2					
45	45.55899	-89.67909	4	M	P 1			1	1	1			1	
46	45.55917	-89.67909	4	M	P					1	1			
47	45.55935	-89.67909	4	M	P				1		1		1	
48	45.55953	-89.67909	4	M	P 1			2	1					
49	45.55891	-89.67721	5	S	P 1			2						
50	45.55909	-89.67720	5	S	P				2					
51	45.55927	-89.67720	5	S	P 1			1	1	1			1	

Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Depth (ft)	Sediment type (M=muck, S=Sand, R=Rock)	Rope (R); Pole (P); Visual (V)	<i>Myriophyllum spicatum</i>	<i>Potamogeton crispus</i>	<i>Elodea canadensis</i>	<i>Ceratophyllum demersum</i>	<i>Myriophyllum sibiricum</i>	<i>Potamogeton praelongus</i>	<i>Potamogeton zosteriformis</i>	<i>Potamogeton amplifolius</i>	Notes
52	45.55945	-89.67720	4	S	P			3						
53	45.55891	-89.67695	6	-	P	1		2						
54	45.55909	-89.67695	5	S	P	1		2		1				
55	45.55927	-89.67695	5	S	P	1			1	1	1			
56	45.55945	-89.67695	5	S	P	1		2		1	1			
57	45.55891	-89.67669	5	S	P	1		1						
58	45.55909	-89.67669	5	S	P	2		2						
59	45.55927	-89.67669	5	S	P	2		1						
60	45.55945	-89.67669	5	S	P	1		3						
61	45.55891	-89.67644	6	S	P	1		2						
62	45.55909	-89.67644	5	S	P	2		1		1	1			
63	45.55927	-89.67643	5	S	P	1		2			1			
64	45.55945	-89.67643	4	M	P	1		1		1	1			
65	45.55891	-89.67618	6	M	P	1		2						
66	45.55909	-89.67618	5	S	P	2								
67	45.55927	-89.67618	5	S	P	1		1	1					
68	45.55945	-89.67618	5	S	P	1		2						
69	45.55508	-89.67761	5	S	P	1		2				1		
70	45.55526	-89.67761	2	S	P									
71	45.55544	-89.67761	6	S	P	1		1						
72	45.55562	-89.67761	6	S	P			2						
73	45.55508	-89.67736	5	S	P	1		1						
74	45.55526	-89.67736	6	S	P	1		1						
75	45.55544	-89.67736	7	R	P	1		1	1					
76	45.55562	-89.67736	5	S	P	1		2						
77	45.55508	-89.67710	6	S	P			2		1				
78	45.55526	-89.67710	5	S	P	1					1			
79	45.55544	-89.67710	5	S	P	2		1			1			
80	45.55562	-89.67710	6	S	P	2						1		
81	45.55507	-89.67685	6	S	P	1			1	1				
82	45.55525	-89.67685	5	S	P				1	1		1		
83	45.55543	-89.67684	5	M	P	1			1					
84	45.55561	-89.67684	6	M	P				2					
85	45.55507	-89.67659	5	S	P			2	1			1		
86	45.55525	-89.67659	5	S	P	1		2	1			1		
87	45.55543	-89.67659	5	M	P				1			1		
88	45.55561	-89.67659	5	S	P	2			1					
89	45.55267	-89.67951	6	M	P			2						
90	45.55285	-89.67950	6	M	P	1		2						
91	45.55267	-89.67925	5	S	P			2						
92	45.55285	-89.67925	6	S	P	1		1						
93	45.55157	-89.68034	5	S	P			2						
94	45.55175	-89.68034	6	S	P				1	1				
95	45.55193	-89.68034	6	S	P	1			1	1				
96	45.55157	-89.68009	5	S	P	1				1				
97	45.55175	-89.68009	5	S	P			2						
98	45.55193	-89.68008	6	S	P	1		1						
99	45.55175	-89.67983	3	S	P									
100	45.55193	-89.67983	5	S	P			1						

Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Depth (ft)	Sediment type (M=muck, S=Sand, R=Rock)	Rope (R); Pole (P); Visual (V)	<i>Myriophyllum spicatum</i>	<i>Potamogeton crispus</i>	<i>Eloada</i>	<i>Ceratophyllum demersum</i>	<i>Potamogeton zosteriformis</i>	<i>Potamogeton foliosus</i>	<i>Potamogeton paeelongus</i>	<i>Potamogeton amplifolius</i>	<i>Potamogeton richardsonii</i>	<i>Nymphaea odorata</i>	<i>Nitella</i> sp.	<i>Myriophyllum sibiricum</i>	<i>Megalodonta beckii</i>
1	45.55882	-89.68219	on shore					2	1									
2	45.55900	-89.68219	2	S	P			1	1						1			
3	45.55918	-89.68218	2	S	P													
4	45.55936	-89.68218	2	S	P			1	1	2								
5	45.55882	-89.68193	2	S	P			2	1	1					1			
6	45.55900	-89.68193	2	S	P			1			1		1					
7	45.55918	-89.68193	2	S	P	1		2	1									
8	45.55936	-89.68193	2	S	P			2										
9	45.55882	-89.68167	3	S	P			2	1									
10	45.55900	-89.68167	2	S	P			2	1									
11	45.55918	-89.68167	2	S	P			3	1									
12	45.55936	-89.68167	2	S	P			3	1									
13	45.55882	-89.68142	2	S	P			1	1									
14	45.55900	-89.68142	2	S	P			1	1	1	1							
15	45.55918	-89.68142	2	S	P			2	1	1					1			
16	45.55936	-89.68142	2	S	P			2										
17	45.55882	-89.68116	4	S	P			3										
18	45.55900	-89.68116	3	S	P			1		2		1						
19	45.55918	-89.68116	3	S	P			2	1		1							
20	45.55936	-89.68116	3	S	P			3	1		1							
21	45.55899	-89.68063	3	S	P			2							1			
22	45.55917	-89.68063	4	S	P			2	1									
23	45.55935	-89.68062	2	S	P			2										
24	45.55953	-89.68062	3	S	P			1		1								
25	45.55899	-89.68037	3	S	P			3	1									
26	45.55917	-89.68037	3	S	P			2										
27	45.55935	-89.68037	3	S	P			3			1							
28	45.55953	-89.68037	3	S	P			3		1		1						
29	45.55899	-89.68011	3	S	P			2	1		1				1			
30	45.55917	-89.68011	3	S	P			2	1									
31	45.55935	-89.68011	4	S	P			2										
32	45.55953	-89.68011	3	S	P			3										
33	45.55899	-89.67986	3	S	P	1		3			1							
34	45.55917	-89.67986	3	S	P			2										
35	45.55935	-89.67986	3	S	P	1		1										
36	45.55953	-89.67985	3	S	P			3	1	1								
37	45.55899	-89.67960	2	S	P	1		2	1	1					1			
38	45.55917	-89.67960	2	S	P	1		1										
39	45.55935	-89.67960	3	S	P			3		1								
40	45.55953	-89.67960	3	S	P	1		1		1								
41	45.55899	-89.67935	2	S	P				1	2	1		1					
42	45.55917	-89.67934	2	S	P				1	1	1							
43	45.55935	-89.67934	2	S	P				1		1							
44	45.55953	-89.67934	2	S	P	1		2		1								
45	45.55899	-89.67909	2	S	P					1					2			
46	45.55917	-89.67909	2	S	P				2									
47	45.55935	-89.67909	2	S	P				1	1	2		1					
48	45.55953	-89.67909	2	S	P				2		1		1					
49	45.55891	-89.67721	2	S	P				1	1		2						
50	45.55909	-89.67720	2	S	P				2		1							
51	45.55927	-89.67720	2	S	P	1		2		1								
52	45.55945	-89.67720	2	S	P	1		3							1	1		
53	45.55891	-89.67695	3	S	P	1		1	1									
54	45.55909	-89.67695	3	S	P			3		1		1						
55	45.55927	-89.67695	3	S	P				1	1			1					
56	45.55945	-89.67695	2	S	P				3		1							
57	45.55891	-89.67669	4	S	P	2		2				1						
58	45.55909	-89.67669	3	S	P				3			1						
59	45.55927	-89.67669	3	S	P				3	1		1						
60	45.55945	-89.67669	3	S	P				3				1					
61	45.55891	-89.67644	4	S	P	1		2	1									
62	45.55909	-89.67644	3	S	P	2		1	1			1						
63	45.55927	-89.67643	3	S	P				1	1						1		
64	45.55945	-89.67643	2	M	P	1		3			1							
65	45.55891	-89.67618	3	M	P				3	1			1					
66	45.55909	-89.67618	2	S	P				1			1						

Number	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Depth (ft)	Sediment type (M=muck, S=Sand, R=Rock)	Rope (R); Pole (P); Visual (V)	<i>Myriophyllum spicatum</i>	<i>Potamogeton crispus</i>	<i>Eloea</i>	<i>Ceratophyllum demersum</i>	<i>Potamogeton zosteriformis</i>	<i>Potamogeton foliosus</i>	<i>Potamogeton paeelongus</i>	<i>Potamogeton amplifolius</i>	<i>Potamogeton richardsonii</i>	<i>Nymphaea odorata</i>	<i>Nitella</i> sp.	<i>Myriophyllum sibiricum</i>	<i>Megalodonta beckii</i>
67	45.55927	-89.67618	2	S	P				2	1			1	1				
68	45.55945	-89.67618	2	S	P				1	2	1							
69	45.55508	-89.67761	2	S	P				3	1								
70	45.55526	-89.67761	2	S	P				1	1	1			1	1			
71	45.55544	-89.67761	3	S	P				2	1			1					
72	45.55562	-89.67761	2	S	P				3									
73	45.55508	-89.67736	2	S	P				2		1							
74	45.55526	-89.67736	3	S	P				1	1	1	1						
75	45.55544	-89.67736	4	R	P				2	1	1	1						
76	45.55562	-89.67736	3	S	P				2	1	1							
77	45.55508	-89.67710	3	S	P				2	1	1	1						1
78	45.55526	-89.67710	3	S	P				1	1	2							
79	45.55544	-89.67710	2	S	P				1	1	2							
80	45.55562	-89.67710	3	S	P				1	1	2							
81	45.55507	-89.67685	2	S	P				1	1	1							1
82	45.55525	-89.67685	2	S	P				1	1	1	1						
83	45.55543	-89.67684	2	M	P				1	2	1							
84	45.55561	-89.67684	2	M	P	1			3	1	1							
85	45.55507	-89.67659	1	S	P	1			1	1	2							
86	45.55525	-89.67659	2	S	P				1	2	1			1				
87	45.55543	-89.67659	2	M	P				1	1				2				
88	45.55561	-89.67659	1	S	P				1	2	1							
89	45.55267	-89.67951	3	M	P				2									
90	45.55285	-89.67950	3	M	P	1			2	1								
91	45.55267	-89.67925	2	S	P				1	1	1	1				1		
92	45.55285	-89.67925	3	S	P				1	1	1							
93	45.55157	-89.68034	2	S	P				2	1								
94	45.55175	-89.68034	3	S	P				1	1		1	1				1	
95	45.55193	-89.68034	3	S	P				1									
96	45.55157	-89.68009	1	S	P				3	1								
97	45.55175	-89.68009	2	S	P				1	1		1						
98	45.55193	-89.68008	3	S	P				1	1								
99	45.55175	-89.67983	on	shore														
100	45.55193	-89.67983	2	S	P				1									



Legend

2007 Treatment Area

Point-intercept Sub-sample Location used in 2007