

1. In what year did you purchase your lake property?

Average: 1982 Blank: 7 30's - 2 50's - 4 70's - 8 90's - 8
 40's - 1 60's - 4 80's - 17 00's - 12

2. Why did you buy property on a lake?

<u>Order of importance based on %</u>		<u>Order of Importance based on weighted score</u>	
A. Spending time with family	17.4%	A. Spending time with family	72
O. Primary residence	13.5%	O. Primary residence	65
D. Appreciating peace and tranquility	13.5%	D. Appreciating peace and tranquility	45
P. Secondary residence	8.4%	P. Secondary residence	36
J. Swimming/SCUBA/snorkeling	6.2%	B. Entertaining friends	20
B. Entertaining friends	5.6%	M. Water skiing/tubing	18
C. Investment	5.6%	C. Investment	16
E. Enjoying the view	5.6%	E. Enjoying the view	15
G. Water quality	5.1%	J. Swimming/SCUBA/snorkeling	14
M. Water skiing/tubing	5.1%	I. Fishing/ice fishing	13
I. Fishing/ice fishing	4.5%	G. Water quality	12
L. Motorized boating	3.4%	Q. Other:	12
Q. Other:	2.8%	L. Motorized boating	10
H. Observing wildlife	1.7%	K. Non-motorized boating	4
K. Non-motorized boating	1.1%	H. Observing wildlife	3
F. Water clarity	0.5%	F. Water clarity	1
N. Jet skiing	0.0%	N. Jet skiing	0

3 Blank

Q:

- *commuting distance to twin cities
- *all water activities (swimming, fishing, boating)
- *farm purchased to use land and live on
- *(additional choices the person made) water clarity, water quality, water skiing, motorized boating, investment
- *location on lake
- *we've always been on a lake and wanted to move back to WI

3. Why did you choose property on Bass Lake?

Order of importance based on %

F.	Met your needs from Question 2	29.8%
A.	Distance from primary residence	16.5%
C.	Cost of property	14.6%
B.	Family tradition	11.9%
D.	Low number of people using the lake	9.9%
E.	Because of the neighborhood	8.6%
G.	Other:	8.6%

Order of Importance based on weighted score

F.	Met your needs from Question 2	101
A.	Distance from primary residence	70
B.	Family tradition	44
C.	Cost of property	34
G.	Other:	29
D.	Low number of people using the lake	28
E.	Because of the neighborhood	25

2 Blank

G:

*we like Bass Lake

*wanted to live on a lake

*friends

*closer to family

*distance from family and friends

*keep it in the family

*close to work, friends and school

*not far from cities where we work 3 days/week

*proximity to Twin Cities

*location to work

*distance from work

*water quality and distance to workplace

* water quality

*already has....(I couldn't read the rest of the writing)

4. Which of the following best describes when you use your lake property?

13 Weekends

1 Vacations/Holidays

7 Summertime resident

6 Spring/Summer/Fall

34 Year round resident

2 Other:

Other:

*year round non primary resident

*never

*home (building) is not on lake (Orf Farm)

*weekends year round

*year round part time

5. What structures exist on your property?

49 Winterized house

14 Summer cottage

6 Boathouse

47 Garage/storage shed

48 Dock/pier

3 Other:

Other:

*gazebo

*pole barn

*beach house

*buildings not on/near lake (Orf farm - referring to garage/storage shed)

6. How many of the following watercraft are kept at your property?

40 Canoe/Kayak

Min watercraft: none

15 Rowboat

Max watercraft: 6

12 Sailboat

7 Jet ski

14 Motor boats under 25 HP

52 Motor boats 25 HP and over

12 Other:

2 None

2 Blank

Other:

*Lake patrol boat

*pontoon, paddle boat

*raft

*paddle boat

*pontoon

*rowing shell, paddle wheeler

*pontoon

*wind surfer

*pontoon

*2 water bikes

*pontoon

*none

7. How many feet of lake frontage do you own?

Average: 253'

Max: 1250' Min: 30'

9 Blank

8. Which of the following best describes your shoreline?

51 Natural vegetation

12 Lawn

6 Planted trees or shrubs

2 Masonry retain wall

1 Wood retaining wall

12 Rocks added for stabilization

6 Other:

1 Blank

Other:

*biologs *roadway

*sand *(can't read comment)

*sand *not rip rap! (Indicated they had rocks added for stabilization)

*sand

9. Do you maintain a lawn on your property?

55 Yes

7 No: skip to question 11

1 Blank

10. If you have a lawn, do you ever apply fertilizer containing phosphorus?

2 Yes

50 No

 Unsure

4 Blank

7 skipped to question 11

Notes:

*very small lawn, pitches away from the lake into a ravine, 200' infiltration before entering lake. (They choose yes)

11. During the time you have owned property on Bass Lake to what extent have you noticed the following occur on this lake?

	Never	Occasionally	Often	Blank	
Reduced water clarity	5	33	18	7	51
Excessive weeds	2	35	22	4	57
Sedimentation	22	22	4	15	26
Large fluctuations in water levels	5	29	24	5	53
Erosion	24	24	3	12	27
Fish kills	20	31	1	9	32
Unusual water smell or coloration	38	13	0	12	13
Failing septic systems	27	15	1	20	16

Notes:

* during the high water years (referring to: "sedimentation", "large fluctuations in water levels" and "erosion")

*when water was high (referring to: "sedimentation", "large fluctuations in water levels", "erosion" and "failing septic")

*don't care

*carp virus (referring to "fish kills")

12. How would you define the water clarity of Bass Lake?

 Cloudy

 3 Fairly cloudy

 7 Unsure

43 Fairly clear

 9 Clear

 1 Blank

Notes:

*depends which month

13. How would you define the water quality of Bass Lake?

 Poor

 5 Fair

 6 Unsure

42 Good

 9 Excellent

 1 Blank

Notes:

*Except where there is weeds (They choose "good")

14. Since you have owned your property on Bass Lake, would you say the water quality has:

 6 Greatly worsened

27 Slightly worsened

25 Remained the same

 2 Slightly improved

 Greatly improved

 2 Blank

 1 Don't Know

15. Do you believe that establishing or maintaining native vegetation, such as a buffer zone, along your shoreline...

a. Improves the water quality of Bass Lake?

5 Definitely no
3 Probably no
10 Unsure
15 Probably yes
29 Definitely
1 Blank

b. Enhances the beauty of your property?

<u>13</u> Definitely no	20.6%
<u>9</u> Probably no	14.3%
<u>11</u> Unsure	17.5%
<u>14</u> Probably yes	22.2%
<u>15</u> Definitely yes	23.8%
<u>1</u> Blank	

c. Increases the economic value of your property?

<u>14</u> Definitely no	22.2%
<u>10</u> Probably no	15.8%
<u>18</u> Unsure	28.6%
<u>9</u> Probably yes	14.3%
<u>11</u> Definitely yes	17.5%
<u>1</u> Blank	

Notes:

*farmer's runoff ruins the lake I believe

16. Which, if any, are contributing to water quality problems in Bass Lake?

	Major problem	Moderate	Not a problem	Don't know	Blank	
Fertilizers & pesticides from residential development	16	20	3	15	9	36
Soil erosion from:						
1. Residential areas	4	17	16	18	8	21
2. Construction areas	5	11	19	18	10	16
3. Agricultural areas	10	12	13	19	9	22
4. Natural shorelines	3	4	28	16	12	7
5. Developed shorelines	7	22	6	19	9	29
Stormwater running off:						
1. Streets, highways, parking lots	4	23	12	14	10	27
2. House roofs, driveways, and residential lands	3	19	17	16	8	22
3. Agricultural land	10	21	10	15	7	31
Accidental spills of gas/oil from boats in the lake	5	19	12	19	8	24
Loss of natural shoreline to lawns and development	8	25	10	11	9	33
Yard or grass clippings or leaves disposed of in lake	8	9	15	23	8	17
Improper disposal of household chemicals	5	7	10	31	10	12
Introduction of non-native plants and animals	13	19	4	19	8	32
Animal waste (pets, geese, etc.)	6	20	10	21	6	26
Septic systems	3	20	5	28	7	23

Other: please list

2

2

Other:

*Cudd boat house falling into the lake, shingles, boards, etc.

*too much boating by non-residents

*lower water volume, less dilution of nitrates, chlorophyl

Notes:

* What problems? What good is a survey that assumes problems exist?

* Does this really happen? (referring to: "yard/grass clippings/leaves disposed of in lake" and "Improper disposal of

17. Do you think the water that runs off your property negatively impacts Bass Lake?

25 Definitely no

27 Probably no

5 Unsure

3 Probably yes

3 Definitely yes

18. How would you rate the fishing in Bass Lake?

8 Poor 17.7%

11 Fair 24.4%

8 Unsure 17.7%

16 Good 35.5%

2 Excellent 0.4%

16 N/A: I don't fish → *Skip to question 21*

2 Blank

19. How has the quality of fishing changed since you started?

11 Greatly declined

12 Somewhat declined

15 Stayed the same

4 Somewhat improved

0 Greatly improved

16 Skipped to question 21

5 Blank

Notes

* lost walleyes

*bigger fish

*forget the fishing contest

*never saw fish with black spots before

20. If you indicated that fishing quality has declined, what do you think has contributed to the decline?

Order of importance based on %

C. Over fishing	23.1%
G. Heavy recreation	23.1%
A. Loss of habitat	15.4%
L. Other	11.5%
F. Development	9.6%
B. Shoreline damage	3.8%
I. Herbicides	3.8%
J. Agriculture	3.8%
D. Fertilizer use	1.9%
E. Soil erosion	1.9%
K. Weeds	1.9%
H. Septic systems	0.0%

Order of Importance based on weighted score

C. Over fishing	44
G. Heavy recreation	23
A. Loss of habitat	19
L. Other	15
F. Development	6
B. Shoreline damage	5
J. Agriculture	4
I. Herbicides	2
D. Fertilizer use	2
E. Soil erosion	1
K. Weeds	1
H. Septic systems	0

16 Skipped to question 21

24 Blank

L:

*DNR practices

*DNR stock fry not finterling

*lack of stocking by DNR

*lack of stocking as is done in other lakes in a 30-40 mile range

*addition of Northern, Smallmouth Bass, Sauger; Limit 14" size on Bass

*not sure

Notes:

*(Can't read writing)

21. How would you describe the overall shoreline of Bass Lake?

- 1 Overdeveloped
- 45 Moderately developed
- 2 Unsure
- 14 Lightly developed
- 1 Natural

22. What is the level of aquatic plant growth in Bass Lake?

Dense growth	1	6	Average: 3.16
	2	13	
	3	21	
Unsure	4	13	
	5	8	
	6	2	
Very light growth	7	0	

Notes:

*north end/bays very dense

23. How would you rate the peace and tranquility on Bass Lake?

Many disturbances	1	3	Average: 4.45
	2	6	
	3	9	
Unsure	4	5	

	5	17
	6	18
No disturbance	7	3
Blank		1

Notes:

*very good with the exception of late night bow fishing, very disturbing

*only with late night partyers

* on weekends (they choose 2)

24. What is the level of boat traffic on Bass Lake?

Overused	1	6
	2	9
	3	19
Unsure	4	13
	5	8
	6	5
Underused	7	1
Blank		1

Average: 3.38

Notes:

*1 on weekends, 5 on weekdays. (I used the worst value in the rankings)

*weekends only (refers to their rating of 2)

*2 weekends, 6 weekdays (I used the worst value in the rankings)

25. How have your experiences been with other boaters?

Major conflict with boats	1	0
	2	2
	3	6
	4	3
Unsure	5	12
	6	13
No conflict with boats	7	25
blank		1

Average: 5.59

26. What is the level of public access to the lake?

Overwhelming access	1	10
	2	13
	3	18

Average: 2.93

Notes:

Unsure	4	12	*I think we should keep down public access
	5	7	* on weekends (they choose 2)
	6	1	*needs control!!!
Not enough access	7	0	
blank		2	

27. What issues regarding owning waterfront property on Bass Lake concern you the most?

<u>Order of importance based on %</u>	
C. Protecting the natural lake environment	14.7%
A. Paying property taxes	13.6%
F. Excessive aquatic plant growth	12.4%
I. Lake level	10.2%
D. Water clarity at the end of my dock	9.0%
J. Aquatic invasive species	9.0%
H. Boat traffic	7.3%
G. Slow-no wake, 8pm-8am	5.6%
B. Maintaining the investment value of my property	5.1%
E. Water clarity in the middle of the lake	4.0%
K. Loss of natural scenery	4.0%
L. Fishing opportunities	2.8%
M. Other:	2.3%

<u>Order of Importance based on weighted score</u>	
C. Protecting the natural lake environment	68
A. Paying property taxes	60
F. Excessive aquatic plant growth	40
I. Lake level	39
D. Water clarity at the end of my dock	31
H. Boat traffic	25
J. Aquatic invasive species	23
B. Maintaining the investment value of my property	19
G. Slow-no wake, 8pm-8am	16
E. Water clarity in the middle of the lake	12
K. Loss of natural scenery	9
L. Fishing opportunities	9
M. Other:	8

1 Blank

M:

- *nutrients
- *get rid of hired lake patrol
- *BLRD no longer needed
- *over fishing
- *all of the above

Notes

- *G not needed (Slow-no wake, 8pm-8am)
- *G keep this going! Do not change because of skiing pressures. More lakes should have this program.
- * C, J & K lead to B (They had chosen C, J & K as their top 3 priorities)
- *we have a boat house falling apart in the lake - I have siding, paint chips and other things floating around. What are you going to do about that??
- *boat traffic on weekends
- *water level is dropping too much

28. What water quality practices do you already have/do on your property?

39 35' Buffer zone or greater

20 Downspouts directed away from the lake

46 Natural shoreline

37 Don't fertilize

10 Rain gardens

6 Rain barrels

10 Rain infiltration areas

34 Leave aquatic vegetation

6 Other:

4 Blank

3 Blank

Other:

- * No P fertilizer and cleaning supplies
- *uses low P products
- *P free fertilizer
- *very little fertilizer
- *plantings
- *no gutters period
- *all of the above

Notes:

*except swimming area near shore. (They had marked "Leave aquatic vegetation")

29. What would motivate you to install a water quality practice, such as a shoreline buffer or rain garden, on your property?

Order of importance based on %

A. Improving lake water quality	29.1%
C. Providing better habitat for fish and wildlife	14.9%
B. Improving water quality around my dock	9.5%
E. Displaying a commitment to the environment	8.9%
F. Available financial and technical assistance	8.9%
D. Increasing the natural beauty of my property	6.8%
K. Other:	6.8%
G. Setting an example for other lake residents	6.1%
J. Increasing my property value	5.4%
H. Savings on landscaping/maintenance costs	2.7%
I. Increasing my privacy	1.4%

Order of Importance based on weighted score

A. Improving lake water quality	113
C. Providing better habitat for fish and wildlife	39
B. Improving water quality around my dock	31
K. Other:	30
F. Available financial and technical assistance	24
E. Displaying a commitment to the environment	23
D. Increasing the natural beauty of my property	20
G. Setting an example for other lake residents	12
J. Increasing my property value	11
H. Savings on landscaping/maintenance costs	6
I. Increasing my privacy	3

6 Blank

K:

*Already doing all possible

*already have it

*we have done everything we are aware of

*existing is 98% natural

*did shore restoration with DNR grant

* Just ask us!

*time to make it happen

*nothing

*won't do it

*close the public access

*nothing: already have shoreline buffer

Notes:

*We have no extra money at all!

*N/A

General Notes:

* noticed Tri-county Sanitation truck dumping in several locations on Bass Lake Road several times. One property is owned by Orf, the other on the opposite side of the road. Noticed small lake quality change in the last two years. Wonder if it seeps into Bass Lake?!