

**Big Chetac Chain Association
 Lake District Survey - Own/Own & Rent (OOR)
 Peg Kohler
 Survey Tabulator**

Section #1: Residency

#1 Do you rent/own property.

	#	%
Own and Rent	7	0.04
Own	173	
Rent	1	0.01
No Property	1	0.01

182

Total Own or Rent	181
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#2 Type of property.

	#	%
permanent	45	0.24
seasonal	62	0.33
< seasonal	10	0.05
business	4	0.02
undeveloped land	10	0.05
second home	54	0.29
other	4	0.02
	189	

#3 How long have you used the property?

	2-5 yrs	6-10 yrs	11-15 yrs	16-20 yrs	21-25 yrs	> 25 yrs	Total
1 year	5	32	48	20	21	12	178
		0.18	0.27	0.11	0.12	0.07	0.22

#4 How many days are there people at the property?
 #5 How many people are at the property each time it is being used?

See Section 1 Questions 4 & 5 tab

Section #2 - Lake Stewardship

#1 Is a commercial fertilizer used on your property?

	#	%
Apply myself and hire someone	1	0.01
hire someone	3	0.02
apply it myself	43	0.24
No	132	0.74
	179	

#2 If you use fertilizer, is it "phosphorous free"?

	#	%
Yes	41	0.80
No	4	0.08
I don't know	6	0.12
	51	

#3 Are any of the following water quality/landscaping practices currently in place at the property indicated in Sec 1, Q 2?

	Count	% of Property w/practice
rain gardens	3	0.016574586
shoreline buffers	76	0.419889503
water diversion	11	0.060773481
native tree.flower planting	42	0.232044199
natural shoreline restoration	71	0.392265193
native prairie restoration	10	0.055248619
Other	13	0.071823204
None have been used	51	0.281767956

Rocks on hillside above bank. Rip-rap keeps shore from washing away, Retention of water run-off.

#4 Which of the practices hold interest for you?

	Count	% of Property interested in practice
rain gardens	20	0.110497238
shoreline buffers	60	0.331491713
water diversion	15	0.082872928
native tree.flower planting	65	0.359116022
natural shoreline restoration	75	0.414364641
native prairie restoration	11	0.060773481
Other	1	0.005524862
None are interesting	35	0.193370166

Bog shoreline management.

#5 Which reasons would motivate you to install a practice on your property?

% of property owners motivated by a practice

	Count	% of property owners motivated by a practice
A) increase natural beauty	91	0.502762431
B) improve water quality in Lake	135	0.745856354
C) improve water quality by my property	117	0.64640884
D) better fish habitat	117	0.64640884
E) better bird and wildlife habitat	94	0.519337017
F) setting an example	69	0.38121547
G) less lawn mowing	32	0.17679558
H) tax rebate	113	0.624309392
I) Financial assistance	85	0.46961326
J) Technical evaluation	63	0.348066298
K) Technical assistance	71	0.392265193
L) Other	1	0.005524862
M) No interest, none	30	0.165745856

6# Which two reasons would be most influential to install a practice?

	#	%
A) increase natural beauty	25	0.085616438
B) improve water quality in Lake	101	0.345890411
C) improve water quality by my property	44	0.150684932
D) better fish habitat	39	0.133561644
E) better bird and wildlife habitat	6	0.020547945
F) setting an example	4	0.01369863
G) less lawn mowing	1	0.003424658
H) tax rebate	34	0.116438356
I) Financial assistance	25	0.085616438
J) Technical evaluation	6	0.020547945
K) Technical assistance	7	0.023972603
L) Other	0	0
	292	

Section #3 - Lake Use and Lake Issues

#1 Check all activities you participate in

	Count	% of Lake Users that participate
A) fishing from shore	159	0.873626374
B) fishing from a boat	171	0.93956044
C) pontoon boating	107	0.587912088
D) speed boating	43	0.236263736
E) jet skiing	13	0.071428571
F) water skiing or tubing	79	0.434065934
G) snorkeling or scuba	1	0.005494505
H) canoe or kayak	55	0.302197802
I) wildlife viewing	132	0.725274725
J) other	4	0.021978022
K) swimming	91	0.5
L) rest or relaxation	152	0.835164835
M) ice fishing	88	0.483516484
N) sailing	7	0.038461538
I don't participate in any activities	3	0.016483516

hunting, photography

#2 Which 3 item do you participate the most in?

	Most	second most	third most	*Score
A) fishing from shore	30	33	24	35
B) fishing from a boat	87	39	12	54
C) pontoon boating	20	27	25	38
D) speed boating	1	4	0	3
E) jet skiing	1	3	1	3
F) water skiing or tubing	1	8	20	11
G) snorkeling or scuba	1	0	0	0
H) canoe or kayak	2	3	5	4
I) wildlife viewing	9	22	26	20
J) other	1	2	0	1
K) swimming	0	5	11	6
L) rest or relaxation	12	23	36	24
M) ice fishing	3	10	12	10
N) sailing	0	0	2	2

*High score indicates the activity most participated in.

#3 Check all issues of concern to you.

	Count	% of Lake Users affected
A) poor fishing	85	0.47
B) too much public use	39	0.21
C) Overdevelopment	59	0.32
D) poor boat access	39	0.21
E) Low water	62	0.34
F) foul odor	124	0.68
G) excessive waterskiing or power boating	58	0.32
H) introduction of invasive species	104	0.57
I) nuisance wildlife	14	0.08
J) no issues negatively affect me	3	0.02
K) too much weed growth	144	0.79
L) not enough weed growth	6	0.03
M) icky or green water	165	0.91
N) too much lighting	22	0.12
O) high water level	4	0.02
P) floating vegetation	88	0.48

Canadian Geese, Bear, Raccoon, Beaver, Muskrat

#4 Which two issues are of greatest concern to you?

	#	%
A) poor fishing	31	0.09
B) too much public use	3	0.01
C) Overdevelopment	12	0.04
D) poor boat access	5	0.01
E) Low water	8	0.02
F) foul odor	38	0.11
G) excessive waterskiing or power boating	12	0.04
H) introduction of invasive species	20	0.06
I) nuisance wildlife	2	0.01
J) no issues negatively affect me	0	0.00
K) too much weed growth	81	0.24
L) not enough weed growth	2	0.01
M) icky or green water	121	0.36
N) too much lighting	0	0.00
O) high water level	0	0.00
P) floating vegetation	4	0.01
	339	

#5 How frequently do you use a boat or other watercraft?

	#	%
never	2	0.010928962
1-2 times/season	9	0.049180328
1-2 times/month	21	0.114754098
3-4 times/month	79	0.431693989
several times/week	52	0.284153005
daily	20	0.109289617
	183	1

#6 How frequently do you swim or wade in the lake?

	#	%
never	50	0.276243094
1-2 times/season	56	0.309392265
1-2 times/month	34	0.187845304
3-4 times/month	26	0.143646409
several times/week	13	0.071823204
daily	2	0.011049724
	181	1

#7 The water quality in the Lake has gotten ?

	#	%
better	30	0.165745856
worse	67	0.370165746
remained the same	73	0.403314917
I don't know	11	0.060773481
	181	

#8 The water quality in the Lake is ?

	#	%
excellent	2	0.011049724
good	18	0.099447514
fair	67	0.370165746
poor	77	0.425414365
very poor	17	0.093922652
	181	

#9 How often has water quality prevented you from enjoying the following activities?

	Never	Rarely	Sometimes	Often	NA	*Score
Fishing	66	39	52	8	4	332
skiing or tubing	14	13	54	27	60	310
swimming or wading	10	11	53	66	30	455
snorkeling or scuba	7	0	5	10	126	62
motorized boating	66	41	37	9	13	295
non-motorized boating	39	16	21	4	74	150
jet skiing	7	4	10	3	128	57
enjoying the view	57	35	46	17	12	333

*High score indicates activity most often prevented due to water quality

Section #4 - Aquatic Plant Growth

#1 The amount of plant growth in the lake has ?

	#	%
increased	109	0.605555556
decreased	6	0.033333333
stayed the same	51	0.283333333
Unsure	14	0.077777778
	180	1

#2 How much of a problem do you consider aquatic plant growth?

	#	%
large	98	0.535519126
moderate	46	0.25136612
unsure	21	0.114754098
small	14	0.076502732
no problem	4	0.021857923
	183	

#3 How does aquatic plant growth affect your decision to participate in the following activities on the lake?

	Great	Some	Little to no	NA	*Score
Fishing	33	83	60	7	325
skiing or tubing	28	46	27	72	203
swimming or wading	77	38	18	45	325
snorkeling or scuba	12	5	8	138	54
motorized boating	17	75	69	15	270
non-motorized boating	12	39	38	81	152
jet skiing	4	11	10	138	44
enjoying the view	16	57	86	16	248

*High score indicates activity most affected by plant growth

#4 When do you consider plant growth to be the worst?

	#	%
April-June	50	0.264550265
July-September	117	0.619047619
October-December	1	0.005291005
I don't know	9	0.047619048
Bad all season	7	0.037037037
Never bad	5	0.026455026
	189	

#5 Have you made any attempts to remove or control aquatic plants in the lake by your property?

	#	%	% of Lakeshore owners who have attempted to remove aquatic plants from the lake
I did it myself and hired someone	0	0	0
I did it myself	77	0.416216216	0.423076923
I hired someone	2	0.010810811	0.010989011
No	106	0.572972973	0.582417582
I don't have lake property	0	0	0
	185		

0.427027027

#6 Which of the following methods have been used to remove vegetation?

	Count	% of total respondents who did plant removal
Physical removal	77	180.3164557
Personal application of a chemical w/permit	1	2.341772152
Personal application of a chemical w/out permit	4	9.367088608
Professional application w/permit	0	0
Physical removal aided by a boat, ATV, etc	7	16.39240506
Other	6	14.05063291

Hand weed cutter.

#7 Algae growth in the lake has ?

	#	%
increased	88	0.502857143
stayed the same	69	0.394285714
decreased	10	0.057142857
I don't know	8	0.045714286
	175	1

Section 5 - Aquatic Invasive Species

#1 Did you know that CLP was present in the Lake?

	#	%
Yes	103	0.56284153
No	59	0.322404372
I had heard	21	0.114754098
	183	

#2 How much do you know about CLP and the problems it causes?

	#	%
a lot	14	0.0657277
some	54	0.253521127
very little	100	0.469483568
just what I read here	45	0.211267606
	213	

#3 Would you recognize CLP in the lake if you saw it?

	#	%
Definitely yes	42	0.232044199
Probably yes	47	0.259668508
Unsure	41	0.226519337
probably not	33	0.182320442
definitely not	18	0.099447514
	181	

#4 How much of a problem is CLP?

	#	%
large	81	0.45
moderate	28	0.155555556
unsure	63	0.35
small	4	0.022222222
no problem	4	0.022222222
	180	

#5 How much do you know about EWM and the problems it causes?

	#	%
a lot	13	0.075581395
some	50	0.290697674
very little	61	0.354651163
just what I read here	48	0.279069767
	172	

#6 Would you recognize EWM in the lake if you saw it?

	#	%
Definitely yes	12	0.067039106
Probably yes	29	0.162011173
Unsure	66	0.368715084
probably not	52	0.290502793
definitely not	20	0.111731844
	179	

#7 Check all the aquatic invasive species you have heard of before.

Count	% of total respondents who have heard of these AIS before
zebra mussels	165 0.906593407
Chinese mystery snail	9 0.049450549
New Zealand mudsnail	1 0.005494505
rusty crayfish	55 0.302197802
banded mystery snail	2 0.010989011
freshwater jellyfish	18 0.098901099
spiny waterflea	27 0.148351648
hydrilla	36 0.197802198
purple loosestrife	79 0.434065934

#8 Would you be willing to take part in AIS identification training?

#	%
Definitely yes	25 0.139664804
Probably yes	54 0.301675978
Unsure	48 0.268156425
probably not	38 0.212290503
definitely not	12 0.067039106
	177

Would read information if sent.

Section 6 - Aquatic Plant Management

#1 Do you feel some form of plant management is necessary for the Lake?

	#	%
Definitely yes	106	0.592178771
Probably yes	39	0.217877095
Unsure	22	0.122905028
probably not	8	0.044692737
definitely not	3	0.016759777
	178	

#2 Who do you feel is responsible for managing plant growth in the Lake?

	Count	% of total respondents
Local Township	70	0.384615385
County Government	79	0.434065934
WI-DNR	137	0.752747253
Lake Association	85	0.467032967
Land owner	63	0.346153846
Mother Nature	15	0.082417582
I don't know	24	0.131868132
Other	4	0.021978022

Faulty septic owners, Assessment of all property owners, Need more information.

#3 Aquatic Plant Management Results

	1 (one)	2 (two)	*Score
no management	8	4	20
all plant growth reduced seasonally lake wide	34	14	82
CLP growth is reduced seasonally lake wide	42	27	111
all plant growth reduced seasonally in designated areas	14	23	51
CLP growth is reduced seasonally in designated areas	13	38	64
Unsure or Need additional information	52	11	115
I would not accept any of these alternatives	2	4	8

*High score indicates the most accepted plant management result

#4 Common Aquatic Plant Management Methods

	1 (one)	2 (two)	*Score
no management	8	5	21
continued or increased hand-pulling and raking	5	12	22
small-scale chemical treatment for nuisance control	7	16	30
large-scale early season chemical treatment to reduce plants	41	21	103
large-scale mechanical weed removal by weed harvesters	35	32	102
biological control	5	13	23
Unsure or Need additional information	66	7	139
I would not accept any of these alternatives	2	4	8

*High score indicates the most accepted common plant management method

#5 Uncommon Aquatic Plant Management Methods

	1 (one)	2 (two)	*Score
Lowering the Lake level (drawdown)	28	17	73
whole-lake chemical treatment	25	19	69
large-scale dredging w/ drawdown	14	15	43
large-scale dredging w/out drawdown	8	12	28
manipulation of biological levels	5	8	18
Unsure or Need additional information	76	12	164
I would not accept any of these alternatives	15	4	34

*High score indicates the most accepted uncommon plant management method

#6 Other aquatic plant management suggestions

*see "All Sec 6 Q 6" Tab



Section 7 - Community Support

#1 How much volunteer time are you willing to contribute?

	#	%	% of total respondents willing to contribute time
no time	51	0.303571429	0.28021978
a few hours/year	66	0.392857143	0.362637363
a few days/year	44	0.261904762	0.241758242
longer periods of time	7	0.041666667	0.038461538
	168		

#2 Would you be willing to provide any donated materials, services or equipment?

	#	%	% of total respondents willing to contribute services
Yes	44	0.248587571	0.241758242
No	25	0.141242938	0.137362637
Maybe	54	0.305084746	0.296703297
I'll wait and see	54	0.305084746	0.296703297
	177		

#3 What ways would you be willing to provide financial support?

	Count	% of total respondents willing to provide finance
cash donations	85	0.467032967
increased annual Lake Association dues	69	0.379120879
fundraising as a consumer	74	0.406593407
fundraising as a participant	33	0.181318681
no financial support	29	0.159340659
other	9	0.049450549

Lake owner assessment of taxes, Taxpayer money already goes to DNR, I would donate my ability to call auctions.

#4 Would you support the formation of a Lake District?

	Count	% of total respondents
Definitely yes	21	0.115384615
Probably yes	32	0.175824176
Unsure	42	0.230769231
probably not	43	0.236263736
definitely not	41	0.225274725

#5 Are you a member of the Big Chetac Chain Lake Association?

	#	%	% of total respondents willing to contribute services
I didn't know of the Association	8	0.046511628	0.043956044
No	69	0.401162791	0.379120879
Yes	87	0.505813953	0.478021978
Unsure	8	0.046511628	0.043956044
	172		

#6 How satisfied are you with the Lake Association?

	#	% of members	%	% of total respondents
completely satisfied	46	0.528735632	0.37398374	0.252747253
somewhat satisfied	28	0.32183908	0.227642276	0.153846154
unsure	39	0.448275862	0.317073171	0.214285714
somewhat unsatisfied	5	0.057471264	0.040650407	0.027472527
completely unsatisfied	5	0.057471264	0.040650407	0.027472527
	123			

#7 What would increase your attendance at Lake Association meetings?

	Count	% of total respondents
weekend morning meetings	33	0.181318681
weekday morning meetings	7	0.038461538
more speakers/presentations	11	0.06043956
lower Lake Association dues	0	0
more pressing issues	6	0.032967033
weekend evening meetings	17	0.093406593
weekday evening meetings	16	0.087912088
refreshments or meals	1	0.005494505
I'm not interested in meetings	38	0.208791209
Other	32	0.175824176

COMMENTS.

More advance notification, Vote to remove current board, Show results of what the money us used for. More enlightened officers, could improve on writing skills. Ok with times now. more public exposure, call-in and participate by phone, on-line meetings, have meetings one month before and after open water season.

#8 Any additional comments

*see "All Sec 7 Q 8" tab

Contact Information

*see "All Contact" tab

Instructions: Write the comment into the next space provided

Section 6 Question 6 Comments

Example: I think we should use an alum treatment in the lake

1. If the lake was lowered in September, I could pull the weeds myself.
2. Force all property owners to fix septic systems.
3. We want a clear and usable lake at any cost.
4. Harvest curly-leaf around docks and channel to Birch Lake and aerate sediment from on-shore compressors so phosphorus is not released.
5. Quit lowering the water levels in the Spring.
6. Is there any way to darken the clarity of the water (like Nelson Lake) naturally to reduce light/weed growth?
7. I do not know what the professional verdict or recommendations are. It would be important to know before supporting any action plans.
8. Does climate cause some of the lakes' problems: water level, use. In what order of effect?
9. Find a way to force all septic systems to be checked and repaired if needed.
10. Restrict to near zero lawn fertilizer.
11. Comprehensive testing of older septic systems.
12. Any follow-up on septic systems that failed?
13. We should have all waste water empty into the septic and not the ground; running into the lakes. We have excellent fishing. I feel we need to leave the weeds alone.
Other lakes treated the weeds and fishing was destroyed.
14. AIS volunteers manning all boat launches. Mechanical harvester and hand pulling/raking around docks.

Instructions: Write the comment into the next space provided

Section 7 Question 8 Comments

Example: I think we should use an alum treatment in the lake

1. Regular mandatory septic inspection especially resorts, campgrounds and condo associations.
2. Water quality varies based upon time of year and yearly climates. Some answers can vary.
3. All of this effort because BCCLA, thinks water is "icky". There are agencies that already regulate every item discussed on form. The BCCLA does not need more power.
4. We know we need to join and help out. We plan to do this
5. Fix the water. No more studying. Fix the problem. ACT!!
6. This is a DNR problem caused by their lake management practices. Let the DNR correct the problem.
7. Reduce the number of Bass Tournaments.
8. DNR should resume Walleye stocking.
9. Ever since they started lowering lake in the Fall our home has had weed growth. It was fine before that.
10. I'm 100% for a clear lake.
11. Continue mandatory septic monitoring. Resorts and dilapidated septic systems are the cause of excessive weed growth.
12. Removing too many of the wrong plants to get at the bad plants can ruin the fishing.
13. How about making sure all septic systems are up to code. Mandatory inspection of all property owners first.
14. Weed growth has gotten bad especially these last few years.
15. Those refusing testing of septic system need to be dealt with.
16. We are seeing some progress and that is good. The increase in property values will pay for this in the long run.
17. I have paid thousands in taxes. I do not want more taxation. Non-property owners would be the benefactors.
18. First reduce phosphorus loading by strict enforcement of septic systems, buffer zones, fertilizer, agriculture, building building site run-off. Try this first for 5 years then see if weed control is needed.
19. The lake has greater needs such as speed and motor size control. Please more control over number of Bass Tournaments.
20. The boat ramp in Birchwood is in need of repair. The ramp needs more concrete or needs to be in better position of pier.
21. I Question if Birch Lake should be a part of this association. Everything is focused on Big Chetac and the memberships.
22. If we can make the quality of the lake better, that would be great.
23. I've used the lake for over 40 years. The "bloom" has always (in my opinion) helped fishing and kept the "pleasure" craft reasonable.
24. I think the lake association is doing a fine job to improve lake quality.
25. The lake has always been green. The Hansen family has owned the resort for about 50 years and they took people to Summit Lake to swim.
26. Get rid of the "green" lake.
27. The state, DNR, county, must take the lead; which may increase the number of people who may want to own property in Wisconsin.
28. Please leave weeds alone.
29. The DNR did a lake study 6-7 years ago and found the water quality good and mentioned the weeds were a good nursery for the fish population. The weeds this year were impacted by the weather. What's the big deal.
30. We are grateful for all the BCCLA has done to clean up the lake. Sewer management and enforcing those with systems polluting the lake need to comply. This is vitally important along with plant management.
31. A constant lowering of lake level has added to weed problems, hurt spawning and other wildlife.
32. More setback on lake for development.
33. Could the weeds be harvested like they do in "Rice Lake"?
34. Ground water protection is just as important, or even more than surface water.

**** Grace Cooley sent a note and said she would donate \$500 to a one-time successful method to protect property values.