

B

APPENDIX B

Stakeholder Survey Response Charts and Comments

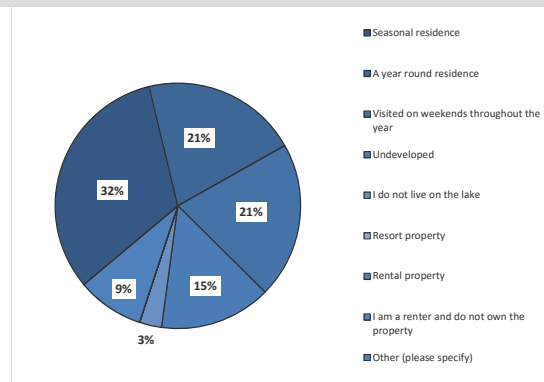
Harris Lake - Anonymous Stakeholder Survey

Surveys Distributed: 79
Surveys Returned: 34
Response Rate: 43%

Harris Lake Property

1. How is your property on or near Harris Lake utilized?

Answer Options	Response Percent	Response Count
Seasonal residence	32.4%	11
A year round residence	20.6%	7
Visited on weekends throughout the year	20.6%	7
Undeveloped	14.7%	5
I do not live on the lake	2.9%	1
Resort property	0.0%	0
Rental property	0.0%	0
I am a renter and do not own the property	0.0%	0
Other (please specify)	8.8%	3
answered question	16	34
skipped question	0	0

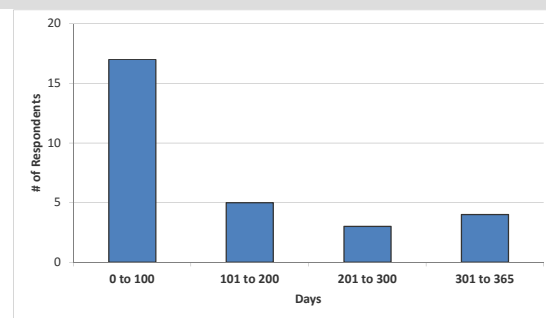


Number	Other (please specify)
1	Year round on and off 2 to 5 or,6 or,7, day visits.
2	Seasonal + weekends/weeks throughout the year
3	Some personal use and some rental

2. How many days each year is your property used by you or others?

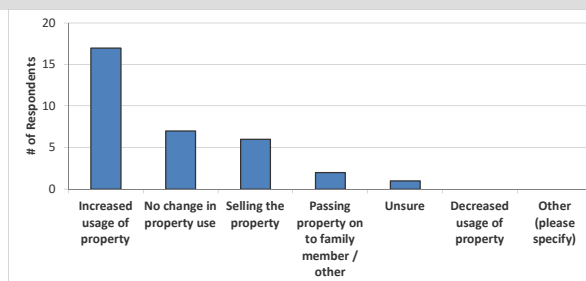
Answer Options	Response Count
answered question	29
skipped question	5

Category (# of days)	Responses	Count	Percentage
0 to 100		17	59%
101 to 200		5	17%
201 to 300		3	10%
301 to 365		4	14%



3. How would you anticipated your property use in the future (~10 years from now)?

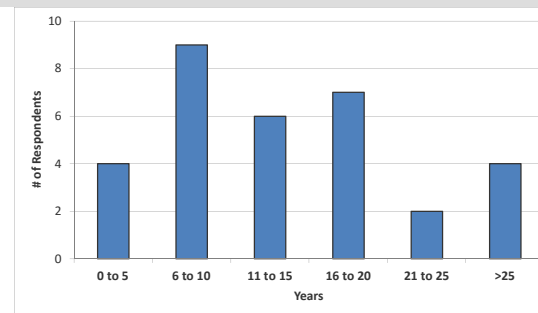
Answer Options	Response Percent	Response Count
Increased usage of property	52%	17
No change in property use	21%	7
Selling the property	18%	6
Passing property on to family member / other	6%	2
Unsure	3%	1
Decreased usage of property	0%	0
Other (please specify)	0%	0
answered question		33
skipped question		1



4. How long have you owned or rented your property on or near Harris Lake?

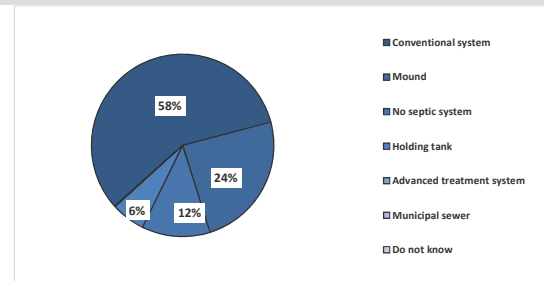
Answer Options	Response Count
answered question	32
skipped question	2

Category (# of years)	Responses	Count	Percentage
0 to 5		4	14%
6 to 10		9	31%
11 to 15		6	21%
16 to 20		7	24%
21 to 25		2	7%
>25		4	14%



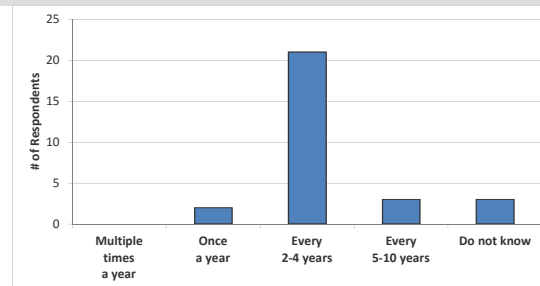
5. What type of septic system does your property utilize?

Answer Options	Response Percent	Response Count
Conventional system	57.6%	19
Mound	24.2%	8
No septic system	12.1%	4
Holding tank	6.1%	2
Advanced treatment system	0.0%	0
Municipal sewer	0.0%	0
Do not know	0.0%	0
answered question		33
skipped question		1



6. How often is the septic system on your property pumped?

Answer Options	Response Percent	Response Count
Multiple times a year	0.0%	0
Once a year	6.9%	2
Every 2-4 years	72.4%	21
Every 5-10 years	10.3%	3
Do not know	10.3%	3
answered question		29
skipped question		5

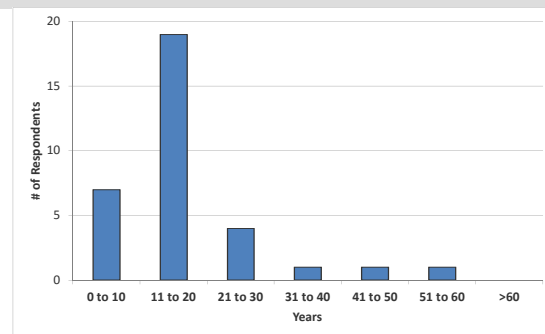


Recreational Activity on Harris Lake

7. How many years ago did you first visit Harris Lake?

Answer Options	Response Count
answered question	
skipped question	

Category (# of years)	Responses	% Response
0 to 10	7	21%
11 to 20	19	58%
21 to 30	4	12%
31 to 40	1	3%
41 to 50	1	3%
51 to 60	1	3%
>60	0	0%



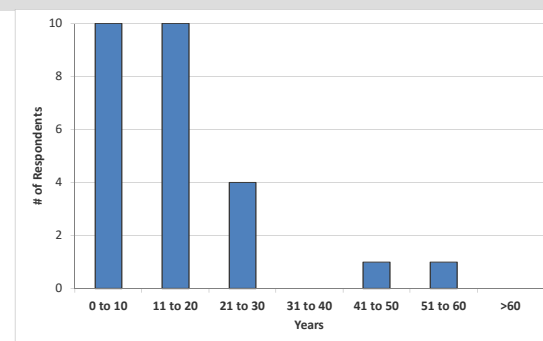
8. Have you personally fished on Harris Lake in the past three years?

Answer Options	Response Percent	Response Count
Yes	78.8%	26
No	21.2%	7
answered question		33
skipped question		1

9. For how many years have you fished Harris Lake?

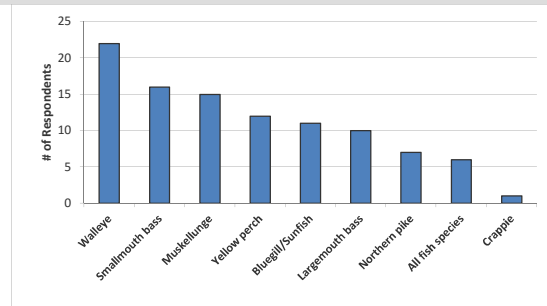
Answer Options	Response Count
answered question	
skipped question	

Category (# of years)	Responses	% Response
0 to 10	10	38%
11 to 20	10	38%
21 to 30	4	15%
31 to 40	0	0%
41 to 50	1	4%
51 to 60	1	4%
>60	0	0%



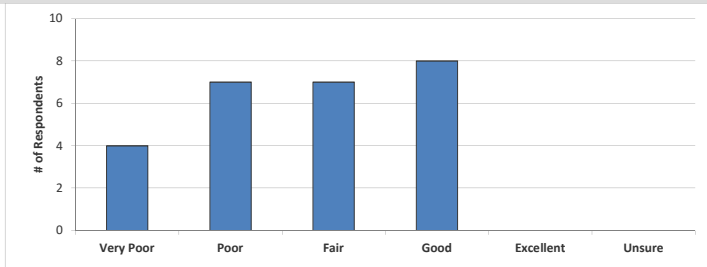
10. What species of fish do you like to catch on Harris Lake?

Answer Options	Response Percent	Response Count
Walleye	84.6%	22
Smallmouth bass	61.5%	16
Muskellunge	57.7%	15
Yellow perch	46.2%	12
Bluegill/Sunfish	42.3%	11
Largemouth bass	38.5%	10
Northern pike	26.9%	7
All fish species	23.1%	6
Crappie	3.8%	1
Other (please specify)	0.0%	0
answered question		26
skipped question		8



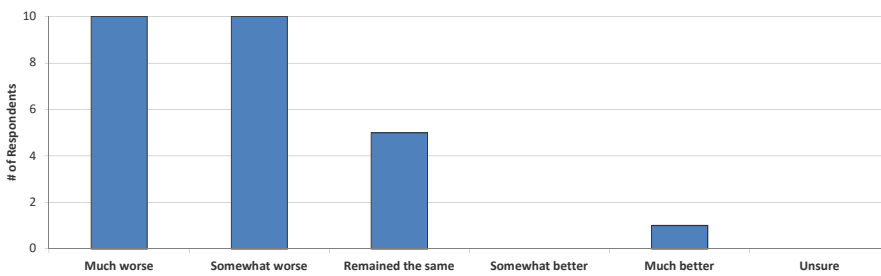
11. How would you describe the current quality of fishing on Harris Lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count
	4	7	7	8	0	0	26
answered question							26
skipped question							8



12. How has the quality of fishing changed on Harris Lake since you have started fishing the lake?

Answer Options	Much worse	Somewhat worse	Remained the same	Somewhat better	Much better	Unsure	Response Count
	10	10	5	0	1	0	26
answered question							26
skipped question							8



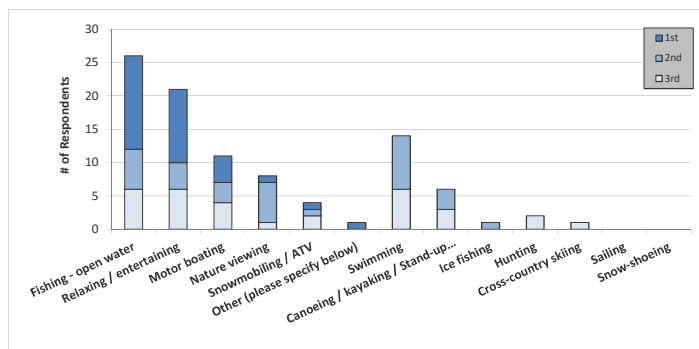
13. What types of watercraft do you currently use on Harris Lake?

Answer Options	Response Percent	Response Count
Canoe / Kayak / Stand-up paddleboard	69.7%	23
Motor boat with greater than 25 hp motor	69.7%	23
Pontoon	48.5%	16
Rowboat	21.2%	7
Motor boat with 25 hp or less motor	15.2%	5
Do not use watercraft	9.1%	3
Paddleboat	6.1%	2
Sailboat	3.0%	1
Jet boat	3.0%	1
Jet ski (personal watercraft)	0.0%	0
answered question		33
skipped question		1

14. For the list below, rank your top three activities that are important reasons for owning or renting your property on or near Harris Lake, with 1 being the most important activity.

Answer Options	1st	2nd	3rd	Rating Average	Response Count
Fishing - open water	14	6	6	1.69	26
Relaxing / entertaining	11	4	6	1.76	21
Motor boating	4	3	4	2	11
Nature viewing	1	6	1	2	8
Snowmobiling / ATV	1	1	2	2.25	4
Other (please specify below)	1	0	0	1	1
Swimming	0	8	6	2.43	14
Canoeing / kayaking / Stand-up paddleboarding	0	3	3	2.5	6
Ice fishing	0	1	0	2	1
Hunting	0	0	2	3	2
Cross-country skiing	0	0	1	3	1
Sailing	0	0	0	0	0
Snow-shoeing	0	0	0	0	0
None of these activities are important to me	0	0	0	0	0
Please specify "Other" response here	0	0	0	0	4
answered question					32
skipped question					2

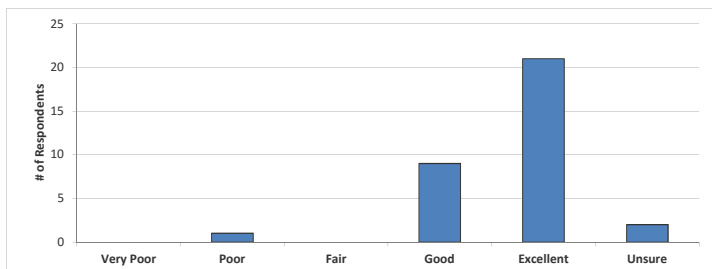
Number	Other (please specify)
1	4th= K. swimming; 5th= l. motor boating and Skiing
2	Pontooning
3	Family gatherings/reunions
4	I already indicated I bought lake lot for investment and now want to sell.



Harris Lake Current and Historic Condition, Health and Management

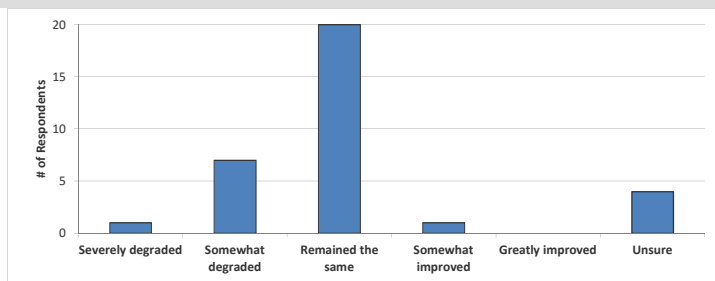
15. How would you describe the current water quality of Harris Lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count
	0	1	0	9	21	2	33
answered question							33
skipped question							1



16. How has the current water quality changed in Harris Lake since you first visited the lake?

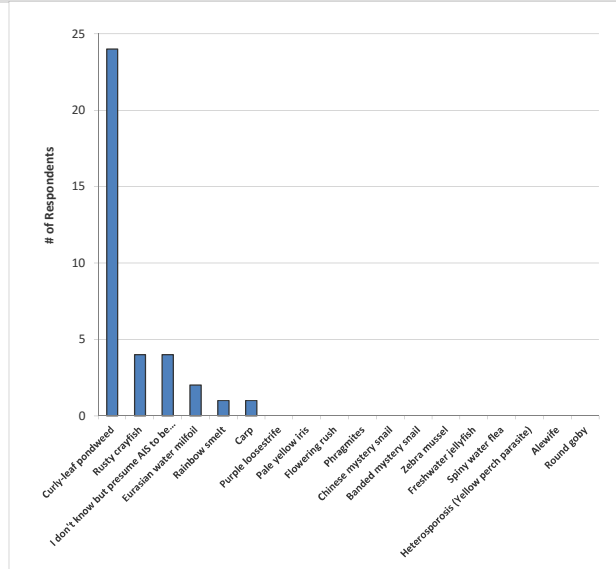
Answer Options	Severely degraded	Somewhat degraded	Remained the same	Somewhat improved	Greatly improved	Unsure	Response Count
	1	7	20	1	0	4	33
answered question							33
skipped question							1



17. Before reading the statement above, had you ever heard of aquatic invasive species?		
Answer Options	Response Percent	Response Count
Yes	100.0%	33
No	0.0%	0
<i>answered question</i>		33
<i>skipped question</i>		1

18. Do you believe aquatic invasive species are present within Harris Lake?		
Answer Options	Response Percent	Response Count
Yes	81.8%	27
No	18.2%	6
<i>answered question</i>		33
<i>skipped question</i>		1

19. Which aquatic invasive species do you believe are in Harris Lake?		
Answer Options	Response Percent	Response Count
Curly-leaf pondweed	88.9%	24
Rusty crayfish	14.8%	4
I don't know but presume AIS to be present	14.8%	4
Eurasian water milfoil	7.4%	2
Rainbow smelt	3.7%	1
Carp	3.7%	1
Purple loosestrife	0.0%	0
Pale yellow iris	0.0%	0
Flowering rush	0.0%	0
Phragmites	0.0%	0
Chinese mystery snail	0.0%	0
Banded mystery snail	0.0%	0
Zebra mussel	0.0%	0
Freshwater jellyfish	0.0%	0
Spiny water flea	0.0%	0
Heterosporosis (Yellow perch parasite)	0.0%	0
Alewife	0.0%	0
Round goby	0.0%	0
Other (please specify)	3.7%	1
<i>answered question</i>		27
<i>skipped question</i>		7



Number	Other (please specify)
1	Curly leaf pondweed is confirmed and lake is being injected with stron chemicals. There may be more AIS because boaters are not inspected at the landing!!

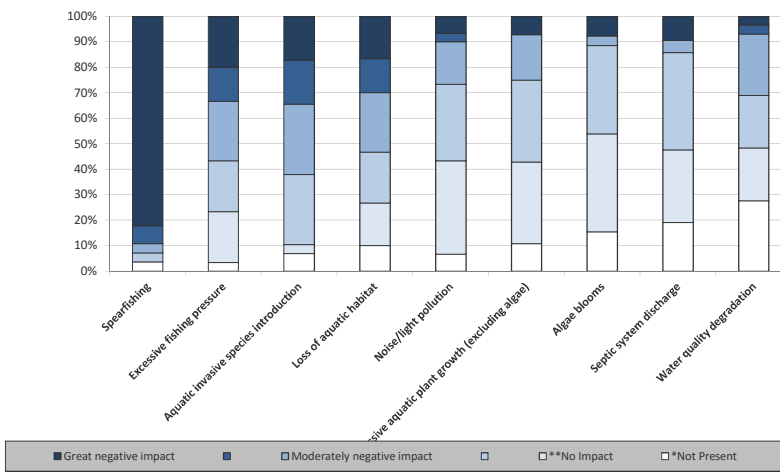
20. To what level do you believe each of the following factors may currently be negatively impacting Harris Lake?

* Not Present means that you believe the issue does not exist on Harris Lake.

** No Impact means that the issue may exist on Harris Lake but it is not negatively impacting the lake.

Answer Options	*Not Present	**No Impact		Moderately negative impact		Great negative impact	Unsure: Need more information	Rating Average	Response Count
Spearfishing	1	0	1	1	2	23	4	3.16	32
Excessive fishing pressure	1	6	6	7	4	6	2	1.75	32
Aquatic invasive species introduction	2	1	8	8	5	5	3	1.84	32
Loss of aquatic habitat	3	5	6	7	4	5	2	1.63	32
Noise/light pollution	2	11	9	5	1	2	2	0.94	32
Excessive aquatic plant growth (excluding algae)	3	9	9	5	0	2	4	0.84	32
Algae blooms	4	10	9	1	0	2	6	0.59	32
Septic system discharge	4	6	8	1	0	2	10	0.58	31
Water quality degradation	8	6	6	7	1	1	3	0.84	32
Shoreline development	1	3	13	12	0	1	2	1.28	32
Other (please specify below)	3	1	0	2	1	1	1	1.22	9
Please specify "Other" response here									6
answered question									32
skipped question									2

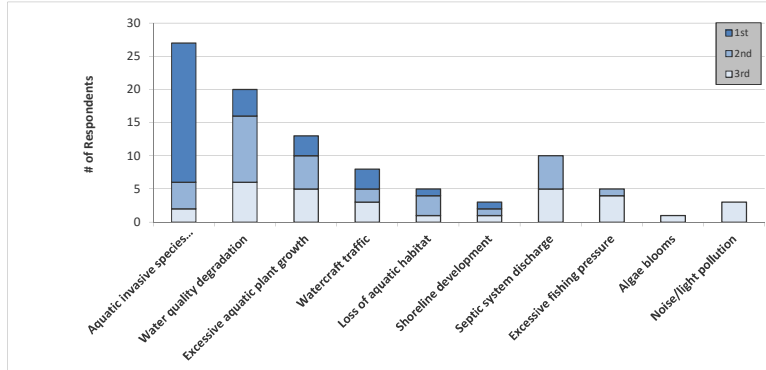
- Number Other (please specify)**
- 1 really don't know
 - 2 Beaver dams causing high water; lose 4-6 feet of shoreline annually
 - 3 #1 Spearfishing 5++++
 - 4 Beaver dams/water levels
 - 5 High Water/Low Water based on Beaver activity. Spraying for the confirmed presence of curly leaf pondweed in destroying the lake and poisoning the fish.
 - 6



21. From the list below, please rank your top three concerns regarding Harris Lake, with 1 being your greatest concern.

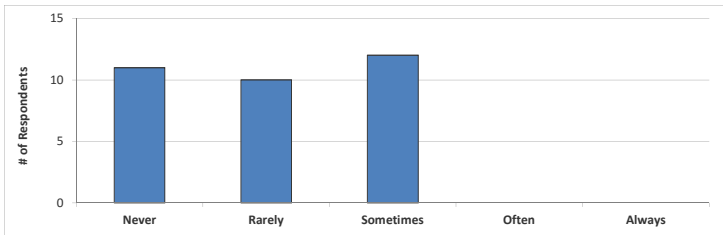
Answer Options	1st	2nd	3rd	Response Count
Spearfishing	21	4	2	27
Aquatic invasive species introduction	4	10	6	20
Excessive fishing pressure	3	5	5	13
Water quality degradation	3	2	3	8
Shoreline development	1	3	1	5
Septic system discharge	1	1	1	3
Loss of aquatic habitat	0	5	5	10
Excessive aquatic plant growth (excluding algae)	0	1	4	5
Algae blooms	0	0	1	1
Noise/light pollution	0	0	3	3
Other (please specify below)	0	2	1	3
Please specify "Other" response here				3
answered question				33
skipped question				1

- Number "Other" responses**
- 1 Beaver dams
 - 2 Chemicals used to treat invasive species
Inspect at the boat landing for entry of AIS.
 - 3 Stop those stupid musky tournaments that have boaters who come from other lakes with AID and don't care about lake quality!!



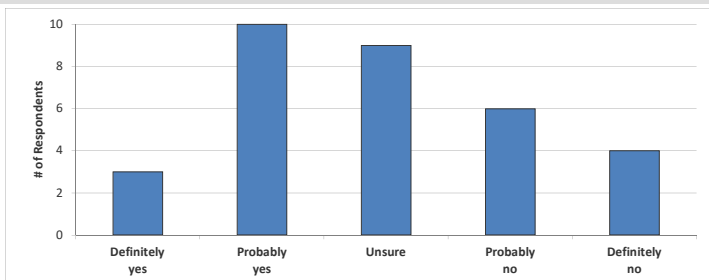
22. During open water season how often does aquatic plant growth, including algae, negatively impact your enjoyment of Harris Lake?

Answer Options	Never	Rarely	Sometimes	Often	Always	Response Count
	11	10	12	0	0	33
answered question						33
skipped question						1



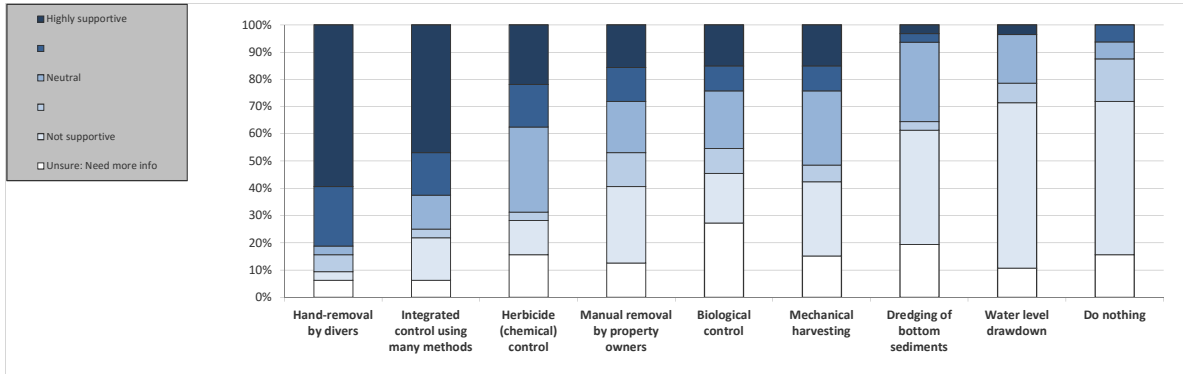
23. Considering your answer to the question above, do you believe aquatic plant control is needed on Harris Lake?

Answer Options	Definitely yes	Probably yes	Unsure	Probably no	Definitely no	Response Count
	3	10	9	6	4	32
answered question						32
skipped question						2



24. Native aquatic plants can be managed using many techniques. What is your level of support for the responsible use of the following techniques on Harris Lake?

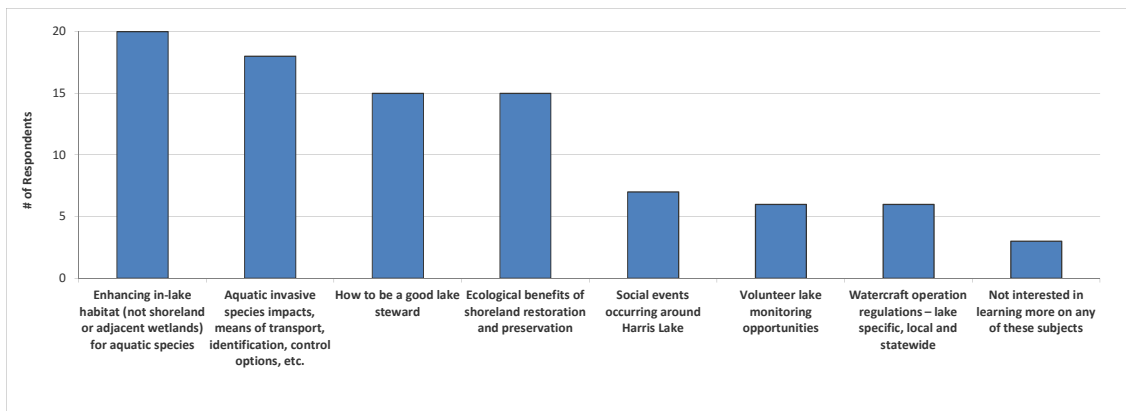
Answer Options	Not supportive	Neutral	Highly supportive	Unsure: Need more info	Rating Average	Response Count
Hand-removal by divers	1	2	7	2	3.19	32
Manual removal by property owners	5	1	4	2	2.56	32
Integrated control using many methods	4	1	10	5	1.53	32
Herbicide (chemical) control	9	4	6	4	1.53	32
Biological control (milfoil weevil, loosestrife beetle, etc)	6	3	7	3	1.24	33
Mechanical harvesting	9	2	9	3	1.27	33
Dredging of bottom sediments	13	1	9	1	0.71	31
Do nothing (do not manage plants)	17	2	5	0	0.89	28
Water level drawdown	18	5	2	2	1.06	32
answered question						33
skipped question						1



25. Stakeholder education is an important component of every lake management planning effort. Which of these subjects would you like to learn more about?

Answer Options	Response Percent	Response Count
Enhancing in-lake habitat (not shoreland or adjacent wetlands) for aquatic species	60.6%	20
Aquatic invasive species impacts, means of transport, identification, control options, etc.	54.5%	18
How to be a good lake steward	45.5%	15
Ecological benefits of shoreland restoration and preservation	45.5%	15
Social events occurring around Harris Lake	21.2%	7
Volunteer lake monitoring opportunities	18.2%	6
Watercraft operation regulations – lake specific, local and statewide	18.2%	6
Not interested in learning more on any of these subjects	9.1%	3
Other (please specify)	6.1%	2
answered question		33
skipped question		1

- Number Other (please specify)**
- 1 Improved fishing
 - 2 Native Americans fish harvesting results.



Harris Lake Association (HLA)

28. Before receiving this mailing, have you ever heard of the HLA?

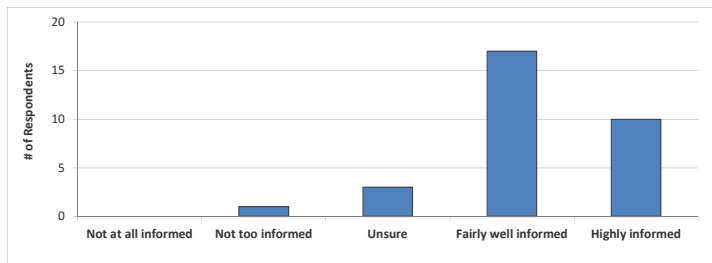
Answer Options	Response Percent	Response Count
Yes	100.0%	33
No	0.0%	0
answered question		33
skipped question		1

29. What is your membership status with the HLA?

Answer Options	Response Percent	Response Count
Current member	93.9%	31
Former member	3.0%	1
Never been a member	3.0%	1
answered question		33
skipped question		1

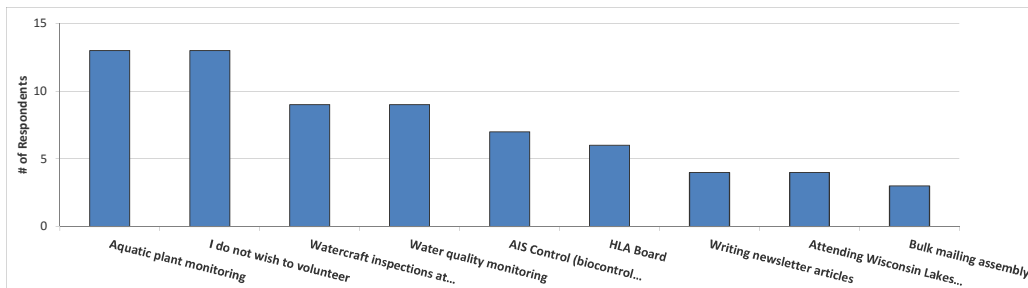
30. How informed is or was the HLA keeping you regarding issues with Harris Lake and its management?

Answer Options	Not at all informed	Not too informed	Unsure	Fairly well informed	Highly informed	Response Count
	0	1	3	17	10	31
answered question						31
skipped question						3



31. The effective management of your lake will require the cooperative efforts of numerous volunteers. Please circle the activities you would be willing to participate in if the HLA requires additional assistance.

Answer Options	Response Percent	Response Count
Aquatic plant monitoring	41.9%	13
I do not wish to volunteer	41.9%	13
Watercraft inspections at boat landings	29.0%	9
Water quality monitoring	29.0%	9
AIS Control (biocontrol beetle rearing, hand-pulling, etc.)	22.6%	7
HLA Board	19.4%	6
Writing newsletter articles	12.9%	4
Attending Wisconsin Lakes Convention	12.9%	4
Bulk mailing assembly	9.7%	3
answered question		31
skipped question		3



32. Please feel free to provide written comments concerning the Harris Lake, its current and/or historic condition and its management.

Answer Options	Response
	14
answered question	14
skipped question	20

Number	Response Text
1	There has been a drastic decline in the walleye population in Harris Lake in the past couple of years. Spearing of the largest reproductive walleyes has totaled over 1000 in the past 2 years. Spearing should be reduced significantly until the walleye population returns to normal levels. In addition, because stocking of Harris Lake has not existed for over 40 years perhaps a fish management study should be conducted of Harris Lake so that we can establish a fish management program for ALL fish species. I should close by saying that my wife and I love having property on Harris Lake. The water quality is excellent, fishing for musky and smallmouth bass is great, the size of lots on the lake and the quality of homes and its owners is outstanding on the entire lake.
2	Harris Lake is an amazing lake. Our family enjoys using the area year round though this is our second home and only up on weekends and occasional weeks during the summer. We very much appreciate what we have and will do our part to preserve/enhance the quality of the lake.
3	Our board is fabulous!!!
4	I'd love to see higher size limits for muskies and decreased daily bag limits for panfish. Would be nice to have some supplemental stocking of muskies as well.
5	Harris Lake used to be a good fishing lake. Spearing has taken out most walleyes and some muskies. As a result even the pan fish are stunted and fishing is poor.
6	With the involvement of HLA members, management of Harris Lake has been and is good. Over the years the walleye fishing has been steadily decreasing.
7	Harris Lake is the 3rd lake I have owned property on. I chose Harris lake for its water quality, walleye fishing and relatively low "activity" level on weekends. Even in the 4 years I have been there I have seen a reduction in quality walleye numbers and I believe this is mostly due to spearing as the fishing pressure on the lake is not close to the previous lakes I was on.
8	Having fished Harris Lake the past 28 years, this is the very first year pan fishing has been quite poor. While curly leaf pond weed must be controlled, it almost appears that there is a temporary absence of cabbage weed as well in some areas, which may be worthwhile if the invasive curly leaf can be contained. Excessive spearfishing of spawning female walleyes far eclipses any other concern on our lake. #23- wrote "For Curly Leaf Pondweed" in margin
9	Two issues have greatly degraded the lake in recent years. 1) curly leaf pondweed and its treatment 2) spearfishing. The curly leaf pondweed issue was faced "head on" by the residents, town, county, and state with great results. The spearfishing issue remains unresolved and continues to degrade the entire community- the Native Americans need to be a part of this process- enough is enough!
10	The boat landing has degrading. Both the approach to the ramp and the ramp itself. The rebar is exposed and I am concerned for safety of vehicles and people. Fishing of all species has degraded especially in the past 3 or 4 years. I snorkel often and see a dramatic loss of vegetation. Especially coontail. Lake level could be drawn down a little.
11	I have been respectful of all property owners when it comes to water skiing etc. However there is a feeling that it is not appreciated. The first reason I own my home is for boating and family fun
12	Perch and bluegill fishing has declined markedly since the first treatments in the lake for curly leaf pondweed. Northerns are now almost gone (why?) Indian spearing is ridiculous and has affected the walleye population. Fishing has gone from very good to average plus. Our renters have started complaining about this state of affairs, and since we use the property maybe 3 weeks of the year and renters the majority it is an economic threat to us. Jet skis and bigger boats with very large horsepower motors are now more prevalent and can disrupt fishing. Water levels can be erratic with beaver population. Still, it is a great lake and a wonderful place to have second homes/cabins. Just concerned that if fishing continues to decline that the value of our properties will also diminish as people choose other lake to vacation on.
13	We need more active membership participation with Lake issues.
14	One by one, Wisconsin lakes are being infested with AIS. There have been no preventative measures set into place and the WDNR has been delinquent in preventative actions. Boat landings should be inspected or means set into place for prevention when there are no inspectors. Stop those stupid and detrimental musky tournaments whereby ignorant and careless boaters bring in AIS from other lakes already infested. That's why I'm selling my lot on Harris Lake. Stupidity and carelessness has allowed infestation of curly leaf pondweed. Eurasian water milfoil is next -- you watch!! I am a fisherperson and will NOT eat fish that comes from a lake sprayed with AIS-controlling chemicals. Stop the ongoing disasters!! Lake management studies do little to keep the lakes clean. I am so upset.

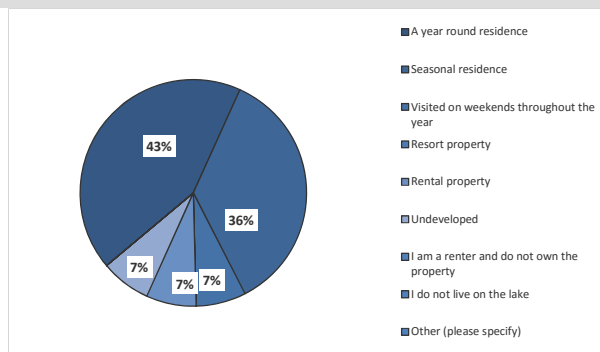
Hiawatha Lake - Anonymous Stakeholder Survey

Surveys Distributed: 33
Surveys Returned: 14
Response Rate: 42%

Hiawatha Lake Property

1. How is your property on or near Hiawatha Lake utilized?

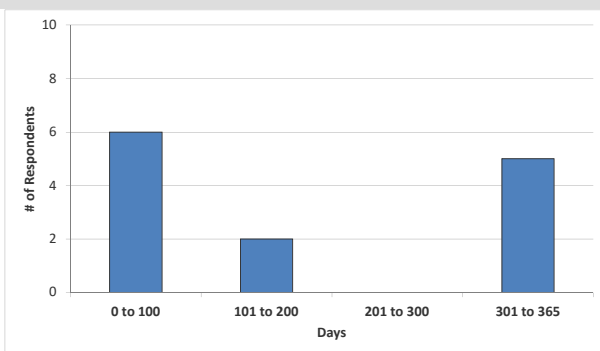
Answer Options	Response Percent	Response Count
A year round residence	42.9%	6
Seasonal residence	35.7%	5
Visited on weekends throughout the year	7.1%	1
Resort property	0.0%	0
Rental property	7.1%	1
Undeveloped	7.1%	1
I am a renter and do not own the property	0.0%	0
I do not live on the lake	0.0%	0
Other (please specify)	0.0%	0
answered question		14
skipped question		0



2. How many days each year is your property used by you or others?

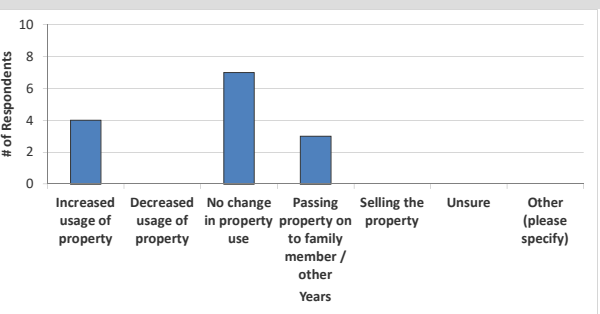
Answer Options	Response Count
answered question	
13	
skipped question	
1	

Category (# of days)	Responses
0 to 100	6 (46%)
101 to 200	2 (15%)
201 to 300	0 (0%)
301 to 365	5 (38%)



3. How would you anticipated your property use in the future (~10 years from now)?

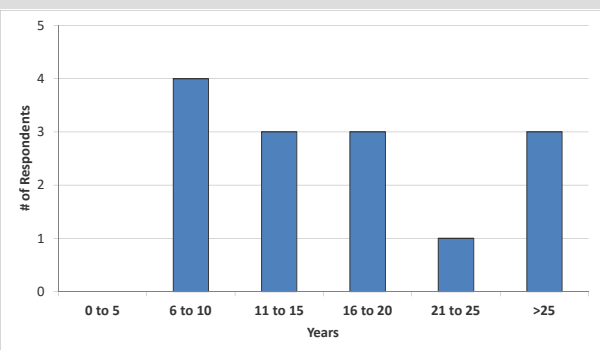
Answer Options	Response Percent	Response Count
Increased usage of property	29%	4
Decreased usage of property	0%	0
No change in property use	50%	7
Passing property on to family member / other	21%	3
Selling the property	0%	0
Unsure	0%	0
Other (please specify)	0%	0
answered question		14
skipped question		0



4. How long have you owned or rented your property on or near Hiawathat Lake?

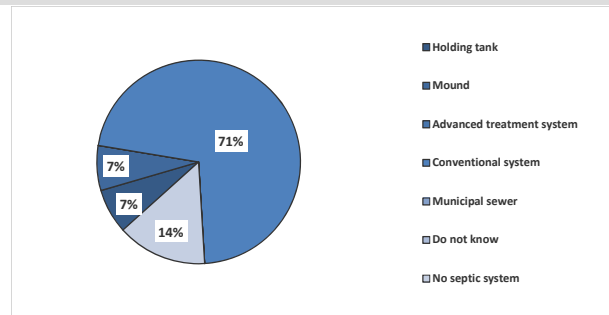
Answer Options	Response Count
answered question	
14	
skipped question	
0	

Category (# of years)	Responses
0 to 5	0 (0%)
6 to 10	4 (31%)
11 to 15	3 (23%)
16 to 20	3 (23%)
21 to 25	1 (8%)
>25	3 (23%)



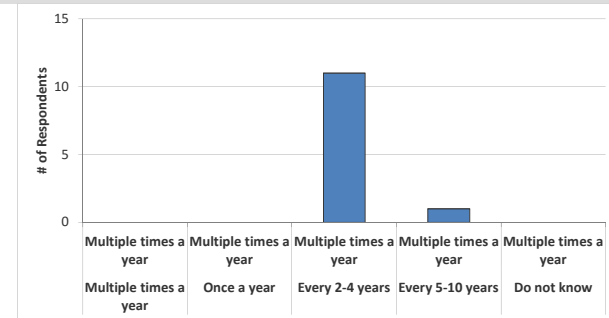
5. What type of septic system does your property utilize?

Answer Options	Response Percent	Response Count
Holding tank	7.1%	1
Mound	7.1%	1
Advanced treatment system	0.0%	0
Conventional system	71.4%	10
Municipal sewer	0.0%	0
Do not know	0.0%	0
No septic system	14.3%	2
answered question		14
skipped question		0



6. How often is the septic system on your property pumped?

Answer Options	Response Percent	Response Count
Multiple times a year	0.0%	0
Once a year	0.0%	0
Every 2-4 years	91.7%	11
Every 5-10 years	8.3%	1
Do not know	0.0%	0
answered question		12
skipped question		2

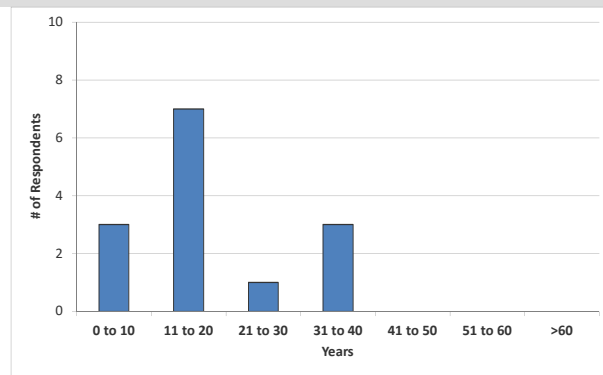


Recreational Activity on Hiawatha Lake

7. How many years ago did you first visit Hiawatha Lake?

Answer Options	Response Count
	14
<i>answered question</i>	14
<i>skipped question</i>	0

Category (# of years)	Responses	% Response
0 to 10	3	21%
11 to 20	7	50%
21 to 30	1	7%
31 to 40	3	21%
41 to 50	0	0%
51 to 60	0	0%
>60	0	0%



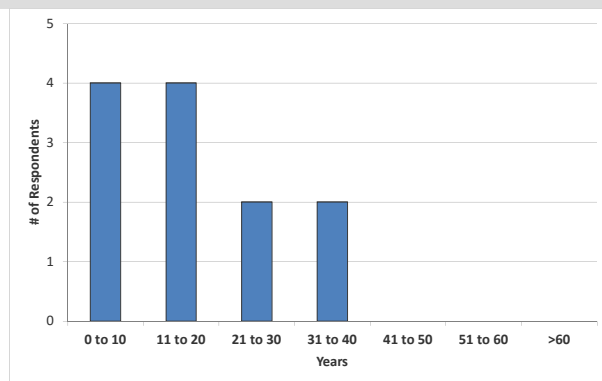
8. Have you personally fished on Hiawatha Lake in the past three years?

Answer Options	Response Percent	Response Count
Yes	85.7%	12
No	14.3%	2
<i>answered question</i>		14
<i>skipped question</i>		0

9. For how many years have you fished Hiawatha Lake?

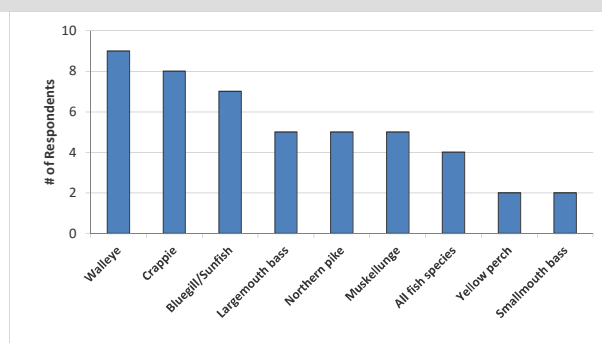
Answer Options	Response Count
	12
<i>answered question</i>	12
<i>skipped question</i>	2

Category (# of years)	Responses	% Response
0 to 10	4	33%
11 to 20	4	33%
21 to 30	2	17%
31 to 40	2	17%
41 to 50	0	0%
51 to 60	0	0%
>60	0	0%



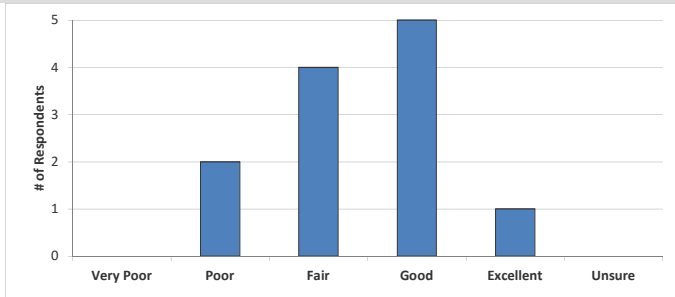
10. What species of fish do you like to catch on Hiawatha Lake?

Answer Options	Response Percent	Response Count
Walleye	75.0%	9
Crappie	66.7%	8
Bluegill/Sunfish	58.3%	7
Largemouth bass	41.7%	5
Northern pike	41.7%	5
Muskellunge	41.7%	5
All fish species	33.3%	4
Yellow perch	16.7%	2
Smallmouth bass	16.7%	2
Other (please specify)	0.0%	0
<i>answered question</i>		12
<i>skipped question</i>		2



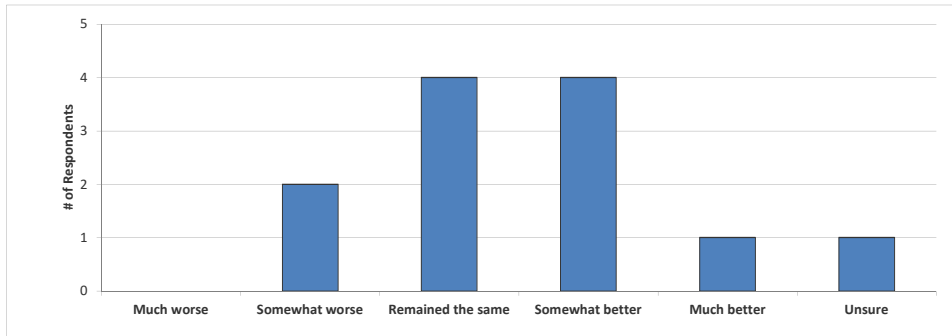
11. How would you describe the current quality of fishing on Hiawatha Lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count
	0	2	4	5	1	0	12
	<i>answered question</i>						12
	<i>skipped question</i>						2



12. How has the quality of fishing changed on Hiawatha Lake since you have started fishing the lake?

Answer Options	Much worse	Somewhat worse	Remained the same	Somewhat better	Much better	Unsure	Response Count
	0	2	4	4	1	1	12
	<i>answered question</i>						12
	<i>skipped question</i>						2

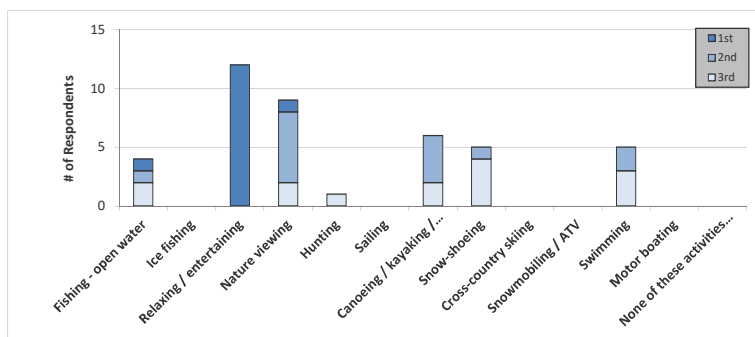


13. What types of watercraft do you currently use on Hiawatha Lake?

Answer Options	Response Percent	Response Count
Paddleboat	42.9%	6
Sailboat	0.0%	0
Canoe	71.4%	10
Rowboat	50.0%	7
Kayak	57.1%	8
Motorboat	21.4%	3
Pontoon	14.3%	2
Stand-up paddleboard (SUP)	7.1%	1
Do not use watercraft	0.0%	0
answered question		14
skipped question		0

14. For the list below, rank your top three activities that are important reasons for owning or renting your property on or near Hiawatha Lake, with 1 being the most important activity.

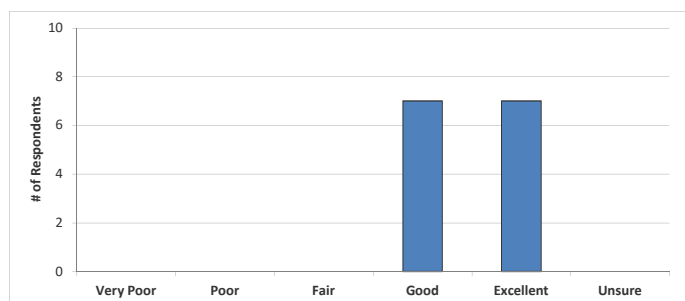
Answer Options	1st	2nd	3rd	Rating Average	Response Count
Fishing - open water	1	1	2	2.25	4
Ice fishing	0	0	0	0	0
Relaxing / entertaining	12	0	0	1	12
Nature viewing	1	6	2	2.11	9
Hunting	0	0	1	3	1
Sailing	0	0	0	0	0
Canoeing / kayaking / Stand-up paddleboarding	0	4	2	2.33	6
Snow-shoeing	0	1	4	2.8	5
Cross-country skiing	0	0	0	0	0
Snowmobiling / ATV	0	0	0	0	0
Swimming	0	2	3	2.6	5
Motor boating	0	0	0	0	0
None of these activities are important to me	0	0	0	0	0
Other (please specify below)	0	0	0	0	0
answered question					14
skipped question					0



Hiawatha Lake Current and Historic Condition, Health and Management

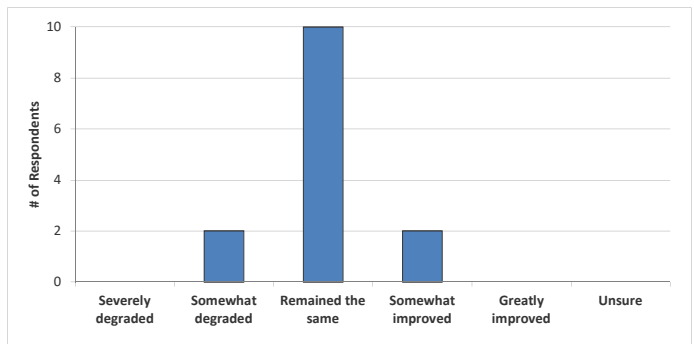
15. How would you describe the current water quality of Hiawatha Lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count
	0	0	0	7	7	0	14
answered question							14
skipped question							0



16. How has the current water quality changed in Hiawatha Lake since you first visited the lake?

Answer Options	Severely degraded	Somewhat degraded	Remained the same	Somewhat improved	Greatly improved	Unsure	Response Count
	0	2	10	2	0	0	14
<i>answered question</i>							14
<i>skipped question</i>							0



17. Before reading the statement above, had you ever heard of aquatic invasive species?

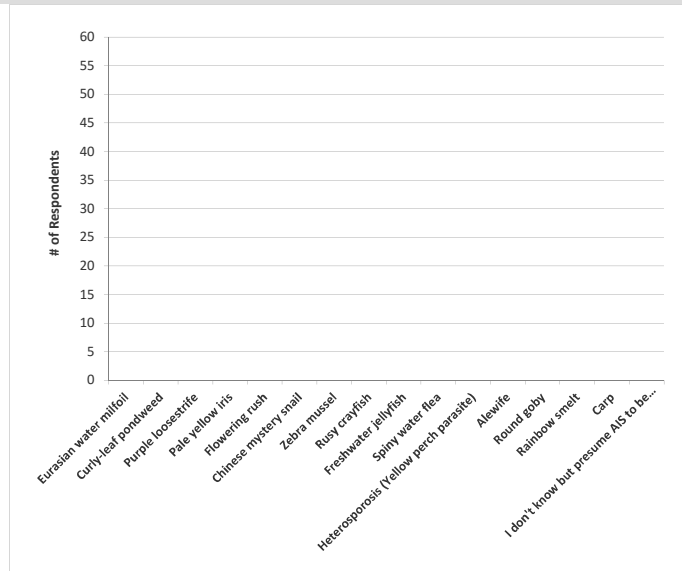
Answer Options	Response Percent	Response Count
Yes	92.9%	13
No	7.1%	1
<i>answered question</i>		14
<i>skipped question</i>		0

18. Do you believe aquatic invasive species are present within Hiawatha Lake?

Answer Options	Response Percent	Response Count
Yes	0.0%	0
No	100.0%	13
<i>answered question</i>		13
<i>skipped question</i>		1

19. Which aquatic invasive species do you believe are in Hiawatha Lake?

Answer Options	Response Percent	Response Count
Eurasian water milfoil	0.0%	0
Curly-leaf pondweed	0.0%	0
Purple loosestrife	0.0%	0
Pale yellow iris	0.0%	0
Flowering rush	0.0%	0
Chinese mystery snail	0.0%	0
Zebra mussel	0.0%	0
Rusy crayfish	0.0%	0
Freshwater jellyfish	0.0%	0
Spiny water flea	0.0%	0
Heterosporosis (Yellow perch parasite)	0.0%	0
Alewife	0.0%	0
Round goby	0.0%	0
Rainbow smelt	0.0%	0
Carp	0.0%	0
I don't know but presume AIS to be present	0.0%	0
Other (please specify)	0.0%	0
answered question		0
skipped question		14

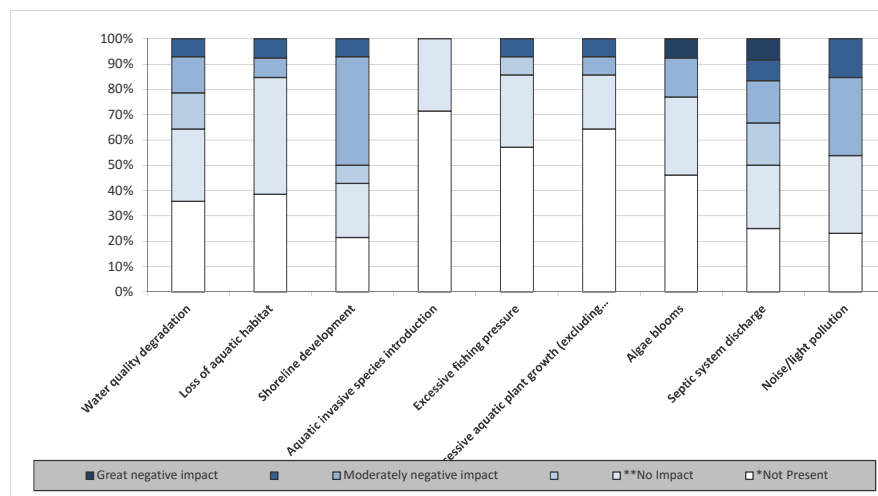


20. To what level do you believe each of the following factors may currently be negatively impacting Hiawatha Lake?

* Not Present means that you believe the issue does not exist on Hiawatha Lake.

** No Impact means that the issue may exist on Hiawatha Lake but it is not negatively impacting the lake.

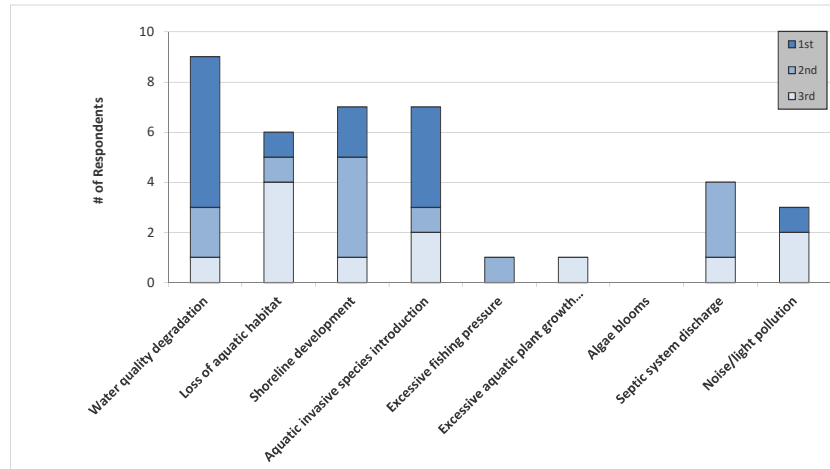
Answer Options	*Not Present	**No Impact	Moderately negative impact	Great negative impact	Answered question	Rating Average	Response Count
Water quality degradation	5	4	2	1	0	0.64	14
Loss of aquatic habitat	5	6	0	1	0	0.38	13
Shoreline development	3	3	1	6	0	1.14	14
Aquatic invasive species introduction	10	4	0	0	0	0	14
Excessive fishing pressure	8	4	1	0	0	0.29	14
Excessive aquatic plant growth (excluding algae)	9	3	0	1	0	0.36	14
Algae blooms	6	4	0	2	1	0.57	14
Septic system discharge	3	3	2	1	2	0.93	14
Noise/light pollution	3	4	0	4	2	0	14
Other (please specify)							
answered question							14
skipped question							0



21. From the list below, please rank your top three concerns regarding Hiawatha Lake, with 1 being your greatest concern.

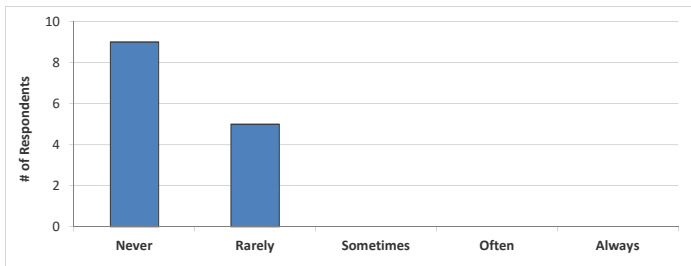
Answer Options	1st	2nd	3rd	Response Count
Water quality degradation	6	2	1	9
Loss of aquatic habitat	1	1	4	6
Shoreline development	2	4	1	7
Aquatic invasive species introduction	4	1	2	7
Excessive fishing pressure	0	1	0	1
Excessive aquatic plant growth (excluding algae)	0	0	1	1
Algae blooms	0	0	0	0
Septic system discharge	0	3	1	4
Noise/light pollution	1	0	2	3
Other (please specify)				
answered question				14
skipped question				0

Number	"Other" responses
1	we have a lot of muck,



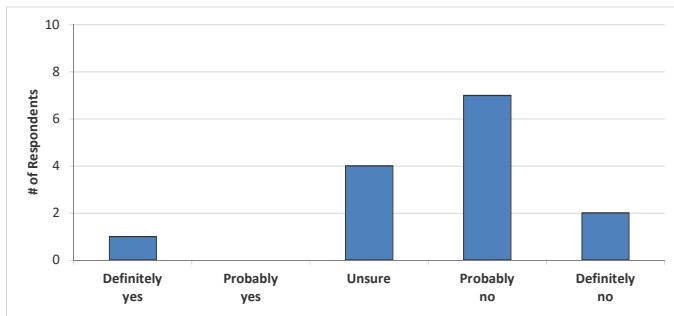
22. During open water season how often does aquatic plant growth, including algae, negatively impact your enjoyment of Hiawatha Lake?

Answer Options	Never	Rarely	Sometimes	Often	Always	Response Count
	9	5	0	0	0	14
<i>answered question</i>						14
<i>skipped question</i>						0



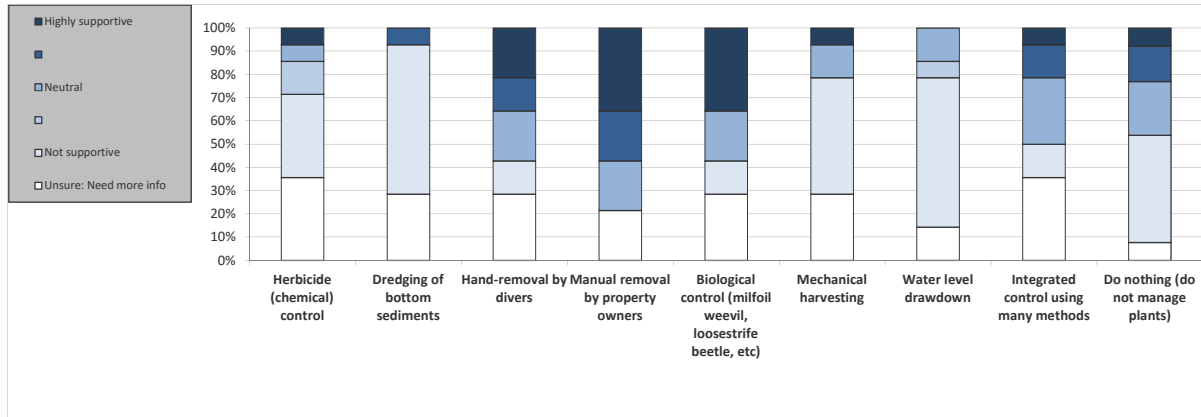
23. Considering your answer to the question above, do you believe aquatic plant control is needed on Hiawatha Lake?

Answer Options	Definitely yes	Probably yes	Unsure	Probably no	Definitely no	Response Count
	1	0	4	7	2	14
<i>answered question</i>						14
<i>skipped question</i>						0



24. Native aquatic plants can be managed using many techniques. What is your level of support for the responsible use of the following techniques on Hiawatha Lake?

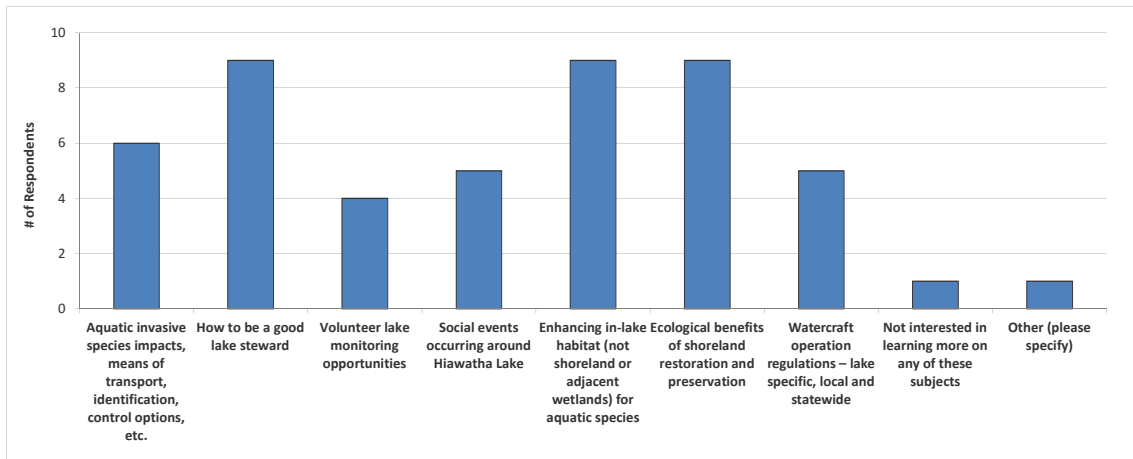
Answer Options	Not supportive	Neutral	Highly supportive	Unsure: Need more info	Rating Average	Response Count
Herbicide (chemical) control	5	2	1	0	0.93	14
Dredging of bottom sediments	9	0	0	1	0.86	14
Hand-removal by divers	2	0	3	2	1.43	14
Manual removal by property owners	0	0	3	3	2.07	14
Biological control (milfoil weevil, loosestrife beetle, etc)	2	0	3	0	1.57	14
Mechanical harvesting	7	0	2	0	0.79	14
Water level drawdown	9	1	2	0	0.79	14
Integrated control using many methods	2	0	4	2	0.86	14
Do nothing (do not manage plants)	6	0	3	2	1.23	13
answered question						14
skipped question						0



25. Stakeholder education is an important component of every lake management planning effort. Which of these subjects would you like to learn more about?

Answer Options	Response Percent	Response Count
Aquatic invasive species impacts, means of transport, identification, control options	42.9%	6
How to be a good lake steward	64.3%	9
Volunteer lake monitoring opportunities	28.6%	4
Social events occurring around Hiawatha Lake	35.7%	5
Enhancing in-lake habitat (not shoreland or adjacent wetlands) for aquatic species	64.3%	9
Ecological benefits of shoreland restoration and preservation	64.3%	9
Watercraft operation regulations – lake specific, local and statewide	35.7%	5
Not interested in learning more on any of these subjects	7.1%	1
Other (please specify)	7.1%	1
answered question		14
skipped question		0

Number **Other (please specify)**
1 Fish stocking as it relates to the overall fish population



Hiawatha Lake Association (HLA)

28. Before receiving this mailing, have you ever heard of the HLA?

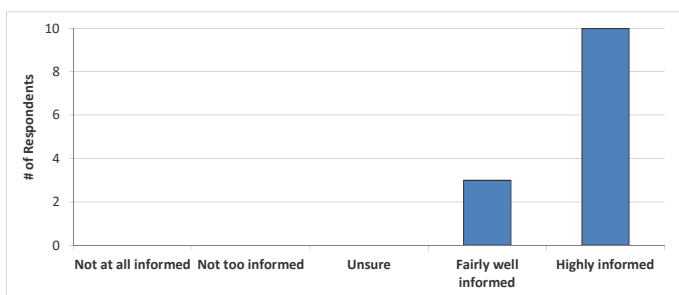
Answer Options	Response Percent	Response Count
Yes	100.0%	14
No	0.0%	0
answered question		14
skipped question		0

29. What is your membership status with the HLA?

Answer Options	Response Percent	Response Count
Current member	92.9%	13
Former member	7.1%	1
Never been a member	0.0%	0
answered question		14
skipped question		0

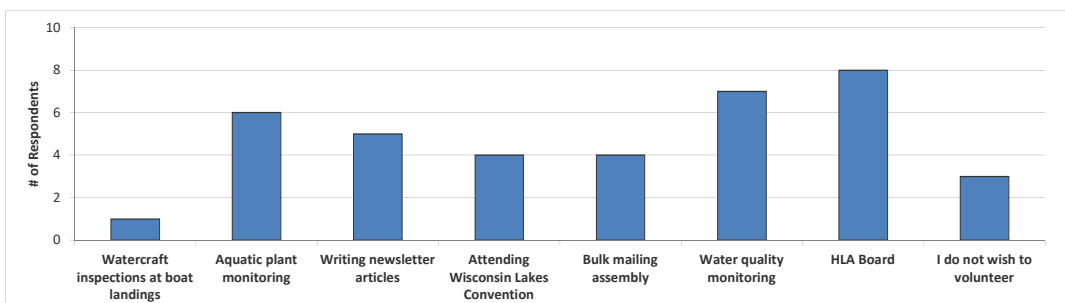
30. How informed is or was the HLA keeping you regarding issues with Hiawatha Lake and its management?

Answer Options	Not at all informed	Not too informed	Unsure	Fairly well informed	Highly informed	Response Count
	0	0	0	3	10	13
answered question						13
skipped question						1



31. The effective management of your lake will require the cooperative efforts of numerous volunteers. Please circle the activities you would be willing to participate in if the HLA requires additional assistance.

Answer Options	Response Percent	Response Count
Watercraft inspections at boat landings	7.7%	1
Aquatic plant monitoring	46.2%	6
Writing newsletter articles	38.5%	5
Attending Wisconsin Lakes Convention	30.8%	4
Bulk mailing assembly	30.8%	4
Water quality monitoring	53.8%	7
HLA Board	61.5%	8
I do not wish to volunteer	23.1%	3
answered question		13
skipped question		1



32. Please feel free to provide written comments concerning the Hiawatha Lake, its current and/or historic condition and its management.

Answer Options	Response Count
	7
<i>answered question</i>	7
<i>skipped question</i>	7

Number	Response Text
1	I would like to see more emphasis on fish management of Hiawatha Lake in the future management plans. When fish stocking of walleyes was done in 1997, 1999 and 2001 fishing improved greatly for walleyes. We did not stock any fish between 2001 and 2011 in which the number of fish caught dropped significantly. I would like to see a 2 year stocking program similar to the stocking done in 2011 and 2014 in the next management plan.
2	Believe there should be more stocking of fish species. Would love to start fishing more, but lack of fish, noticed by many, has forced us to fish other resources
3	We enjoy this property because of the relative peace and quiet the quality of the lake itself. And hope the association can keep it this way.
4	Thanks for your efforts
5	It is vital to the health and future of our lake that we all cooperate to the fullest extent possible to preserve and protect OUR lake.
6	We think this is a pristine little lake & surrounding shoreline and want to see it remain that way for our children, grandchildren and great grandchildren!
7	Hiawatha Lake is a precious resource and within our family considered a "treasure" to be respected, honored, and loved. We are committed to ensuring that this beautiful lake remains in it's pristine condition for generations to come. We feel that shoreline management, education regarding the negative impact of the manicured lawn and/or use of chemicals and fertilizers is a primary concern on the lake. Any type of education that supports the health and well being of Hiawatha Lake is an awesome thing!

Birch Lake - Anonymous Stakeholder Survey

Surveys Distributed: 129
Surveys Returned: 50
Response Rate: 39%

Birch Lake Property

1. Do you rent or own your property on or near Birch Lake? Please select one choice.

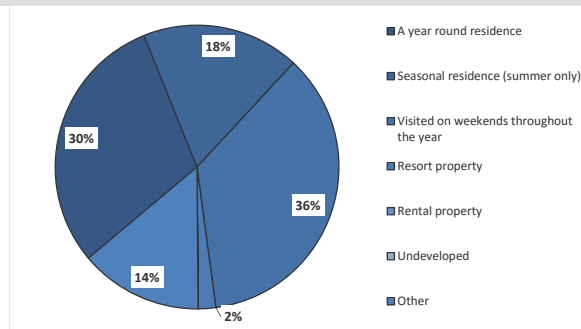
Answer Options	Response	Response
	Percent	Count
Own	100.0%	50
Rent	0.0%	0
answered question		50
skipped question		0

2. Is your property from Question 1 on the lake or off the lake? Please select one choice.

Answer Options	Response	Response
	Percent	Count
On the lake	96.0%	48
Off the lake	4.0%	2
answered question		50
skipped question		0

3. How is your property on or near Birch Lake utilized?

Answer Options	Response	Response
	Percent	Count
A year round residence	30.0%	15
Seasonal residence (summer only)	18.0%	9
Visited on weekends throughout the year	36.0%	18
Resort property	2.0%	1
Rental property	0.0%	0
Undeveloped	0.0%	0
Other (please specify)	14.0%	7
answered question		50
skipped question		0



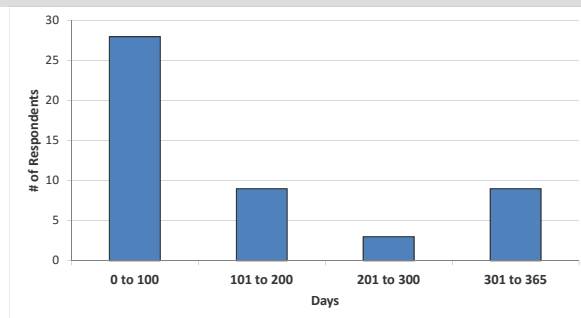
Number Other (please specify)

- Seasonal residence mostly spring-fall occasional winter
- 1 weekend Spring-fall weekends and many weekdays as well
- 2 Summer, plus 3-4 weeks throughout the rest of the year
- 3 2nd home seasonally summer, fall & winter
- 4 Visit a week or more per month all year
- 5 Used extensively throughout the year
- 6 visits during summer and other seasons
- 7 visit weeks and weekends throughout the entire year

4. How many days each year is your property used by you or others?

Answer Options	Response
	Count
answered question	
skipped question	

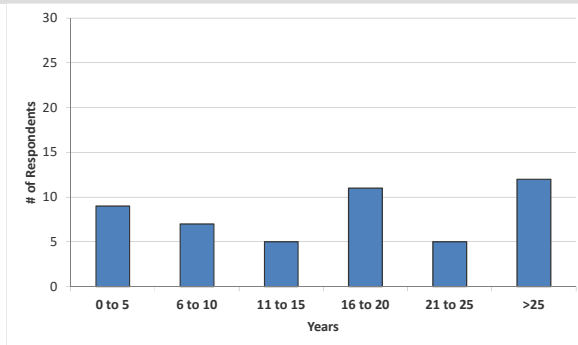
Category (# of days)	Responses
0 to 100	28 57%
101 to 200	9 18%
201 to 300	3 6%
301 to 365	9 18%



5. How long have you owned or rented your property on or near Birch Lake?

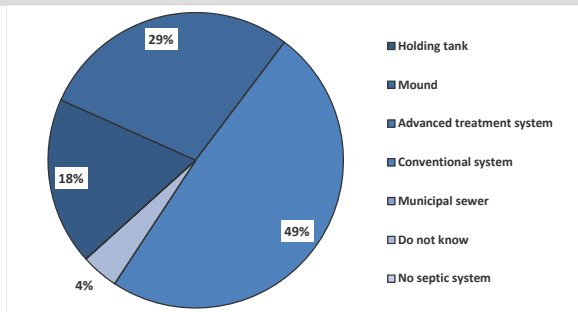
Answer Options	Response Count
	49
<i>answered question</i>	49
<i>skipped question</i>	1

Category (# of years)	Responses	% Response
0 to 5	9	18%
6 to 10	7	14%
11 to 15	5	10%
16 to 20	11	22%
21 to 25	5	10%
>25	12	24%



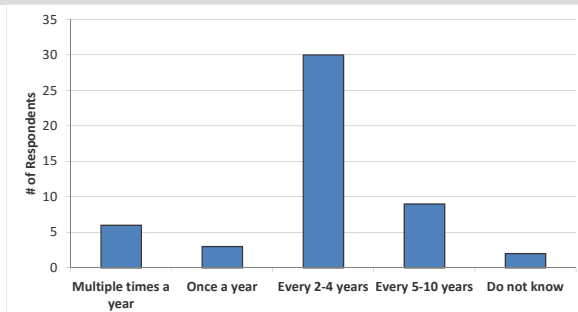
6. What type of septic system does your property utilize?

Answer Options	Response Percent	Response Count
Holding tank	18.4%	9
Mound	28.6%	14
Advanced treatment system	0.0%	0
Conventional system	49.0%	24
Municipal sewer	0.0%	0
Do not know	4.1%	2
No septic system	0.0%	0
<i>answered question</i>		49
<i>skipped question</i>		1



7. How often is the septic system on your property pumped?

Answer Options	Response Percent	Response Count
Multiple times a year	12.0%	6
Once a year	6.0%	3
Every 2-4 years	60.0%	30
Every 5-10 years	18.0%	9
Do not know	4.0%	2
<i>answered question</i>		50
<i>skipped question</i>		0

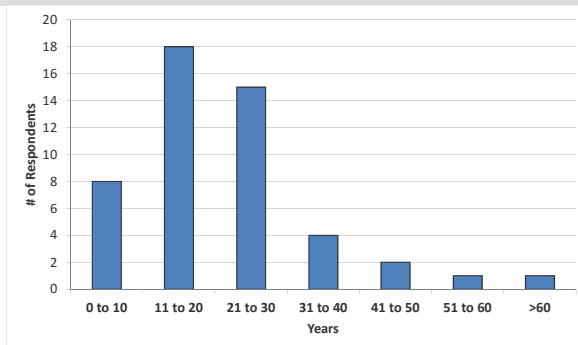


Recreational Activity on Birch Lake

8. How many years ago did you first visit Birch Lake?

Answer Options	Response Count
	49
<i>answered question</i>	49
<i>skipped question</i>	1

Category (# of days)	Responses	% Response
0 to 10	8	16%
11 to 20	18	37%
21 to 30	15	31%
31 to 40	4	8%
41 to 50	2	4%
51 to 60	1	2%
>60	1	2%

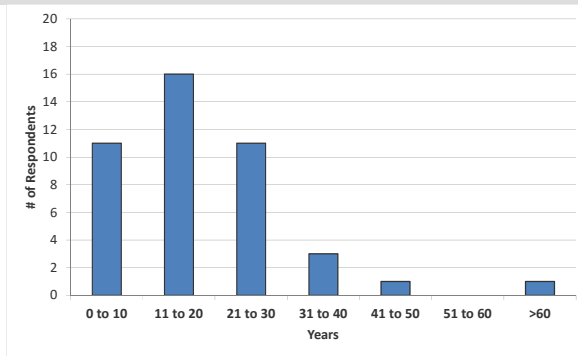


9. Have you personally fished on Birch Lake in the past three years?

Answer Options	Response Percent	Response Count
Yes	87.8%	43
No	12.2%	6
answered question		49
skipped question		1

10. For how many years have you fished Birch Lake?

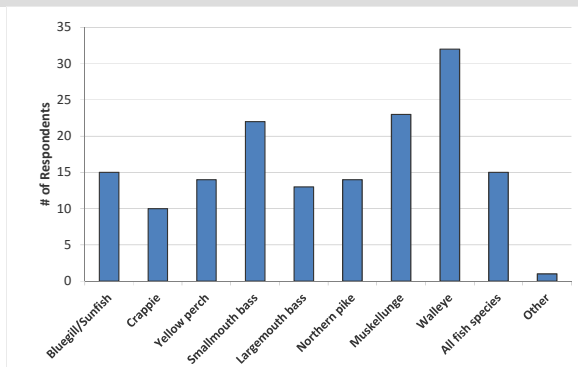
Answer Options	Response Count
answered question	43
skipped question	7



Category (# of years)	Responses	% Response
0 to 10	11	26%
11 to 20	16	37%
21 to 30	11	26%
31 to 40	3	7%
41 to 50	1	2%
51 to 60	0	0%
>60	1	2%

11. What species of fish do you like to catch on Birch Lake?

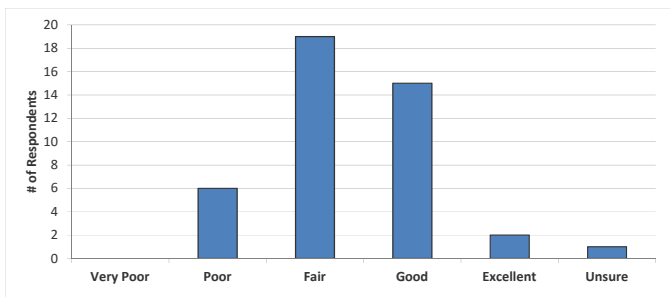
Answer Options	Response Percent	Response Count
Bluegill/Sunfish	34.9%	15
Crappie	23.3%	10
Yellow perch	32.6%	14
Smallmouth bass	51.2%	22
Largemouth bass	30.2%	13
Northern pike	32.6%	14
Muskellunge	53.5%	23
Walleye	74.4%	32
All fish species	34.9%	15
Other (please specify)	2.3%	1
answered question		43
skipped question		7



Number	Other (please specify)
1	Rock Bass

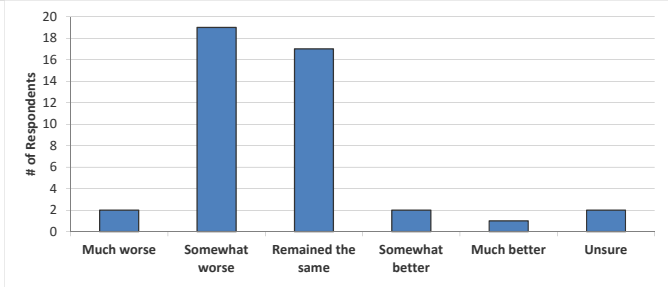
12. How would you describe the current quality of fishing on Birch Lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count
	0	6	19	15	2	1	43
answered question							43
skipped question							7



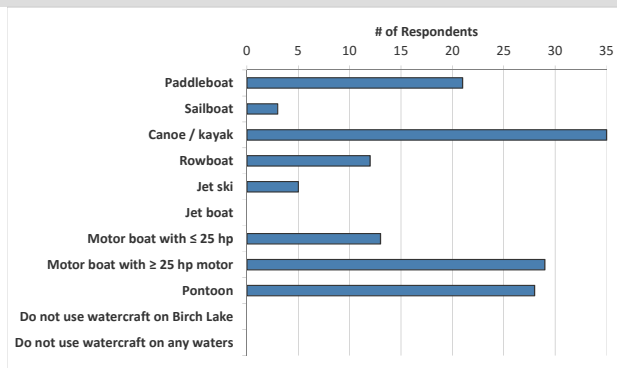
13. How has the quality of fishing changed on Birch Lake since you have started fishing the lake?

Answer Options	Much worse	Somewhat worse	Remained the same	Somewhat better	Much better	Unsure	Response Count
	2	19	17	2	1	2	43
<i>answered question</i>							43
<i>skipped question</i>							7



14. What types of watercraft do you currently use on Birch Lake?

Answer Options	Response Percent	Response Count
Paddleboat	43.8%	21
Sailboat	6.3%	3
Canoe / kayak	72.9%	35
Rowboat	25.0%	12
Jet ski (personal water craft)	10.4%	5
Jet boat	0.0%	0
Motor boat with 25 hp or less motor	27.1%	13
Motor boat with greater than 25 hp motor	60.4%	29
Pontoon	58.3%	28
Do not use watercraft on Birch Lake	0.0%	0
Do not use watercraft on any waters	0.0%	0
<i>answered question</i>		48
<i>skipped question</i>		2



15. Do you use your watercraft on waters other than Birch Lake?

Answer Options	Response Percent	Response Count
Yes	46.9%	23
No	53.1%	26
<i>answered question</i>		49
<i>skipped question</i>		1

16. What is your typical cleaning routine after using your watercraft on waters other than Birch Lake?

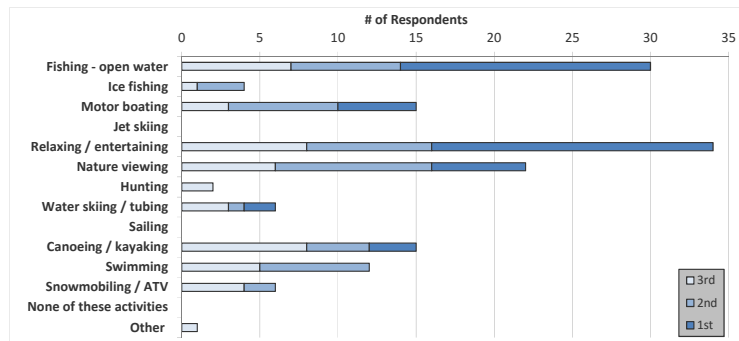
Answer Options	Response Percent	Response Count
Remove aquatic hitch-hikers (ex. - plant material, clams, mussels)	95.7%	22
Drain bilge	82.6%	19
Rinse boat	39.1%	9
Power wash boat	4.3%	1
Apply bleach	4.3%	1
Do not clean boat	0.0%	0
Other (please specify)	13.0%	3
<i>answered question</i>		23
<i>skipped question</i>		27

- Number** **Other (please specify)**
- 1 Usually drain livewell and baitwell
 - 2 Wipe down with towel
 - 3 Allow boat to dry for long periods prior to use on other waters

17. For the list below, rank your top three activities that are important reasons for owning or renting your property on or near Birch Lake, with 1 being the most important activity.

Answer Options	1st	2nd	3rd	Rating Average	Response Count
Fishing - open water	16	7	7	1.70	30
Ice fishing	0	3	1	2.25	4
Motor boating	5	7	3	1.87	15
Jet skiing	0	0	0	0.00	0
Relaxing / entertaining	18	8	8	1.71	34
Nature viewing	6	10	6	2.00	22
Hunting	0	0	2	3.00	2
Water skiing / tubing	2	1	3	2.17	6
Sailing	0	0	0	0.00	0
Canoeing / kayaking	3	4	8	2.33	15
Swimming	0	7	5	2.42	12
Snowmobiling / ATV	0	2	4	2.67	6
None of these activities are important to me	0	0	0	0.00	0
Other (please specify below)	0	0	1	3.00	1
answered question					50
skipped question					0

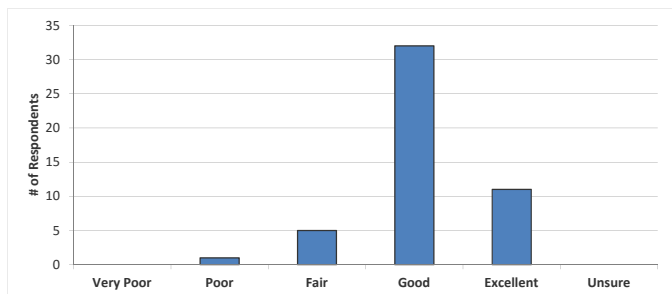
Number "Other" responses
1 Having friends up to visit.



Birch Lake Current and Historic Condition, Health and Management

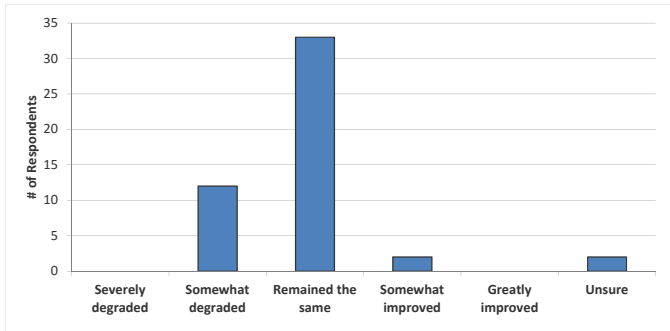
18. How would you describe the current water quality of Birch Lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count
	0	1	5	32	11	0	49
answered question							49
skipped question							1



19. How has the water quality changed in Birch Lake since you first visited the lake?

Answer Options	Severely degraded	Somewhat degraded	Remained the same	Somewhat improved	Greatly improved	Unsure	Response Count
	0	12	33	2	0	2	49
	<i>answered question</i>						49
	<i>skipped question</i>						1



20. Before reading the statement above, had you ever heard of aquatic invasive species?

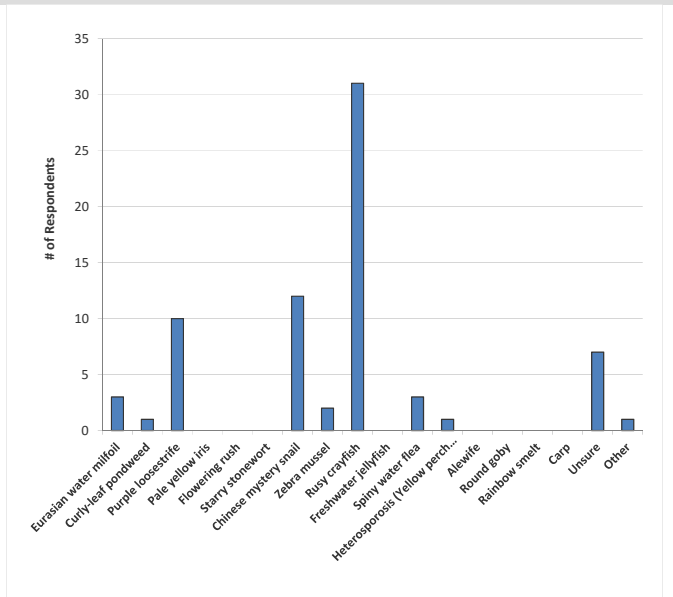
Answer Options	Response Percent	Response Count
Yes	98.0%	49
No	2.0%	1
	<i>answered question</i>	
	50	
	<i>skipped question</i>	
	0	

21. Do you believe aquatic invasive species are present within Birch Lake?

Answer Options	Response Percent	Response Count
Yes	56.3%	27
I think so but am not certain	25.0%	12
No	18.8%	9
	<i>answered question</i>	
	48	
	<i>skipped question</i>	
	2	

22. Which aquatic invasive species do you believe are in Birch Lake?

Answer Options	Response Percent	Response Count
Eurasian water milfoil	7.7%	3
Curly-leaf pondweed	2.6%	1
Purple loosestrife	25.6%	10
Pale yellow iris	0.0%	0
Flowering rush	0.0%	0
Starry stonewort	0.0%	0
Chinese mystery snail	30.8%	12
Zebra mussel	5.1%	2
Rus crayfish	79.5%	31
Freshwater jellyfish	0.0%	0
Spiny water flea	7.7%	3
Heterosporosis (Yellow perch parasite)	2.6%	1
Alewife	0.0%	0
Round goby	0.0%	0
Rainbow smelt	0.0%	0
Carp	0.0%	0
Unsure, but I believe AIS are present	17.9%	7
Other (please specify)	2.6%	1
	<i>answered question</i>	
	39	
	<i>skipped question</i>	
	11	



Number "Other" responses
1 I assume the worms in perch are the parasite.

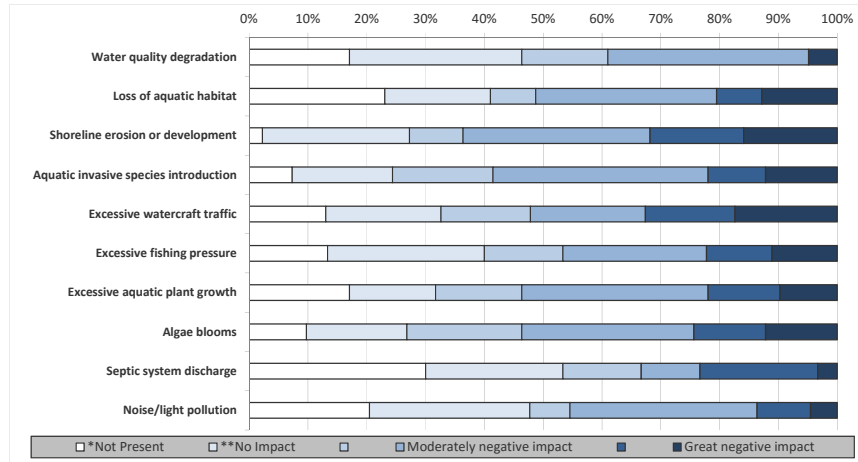
23. To what level do you believe each of the following factors may currently be negatively impacting Birch Lake?

*** Not present means that you believe the issue does not exist on Birch Lake.**

**** No impact means that the issue may exist on Birch Lake but it is not negatively impacting the lake.**

Answer Options	*Not Present	**No Impact		Moderately negative impact		Great negative impact	Unsure: Need more information	Rating Average	Response Count
Water quality degradation	7	12	6	14	0	2	7	1.58	48
Loss of aquatic habitat	9	7	3	12	3	5	7	1.87	46
Shoreline erosion or development	1	11	4	14	7	7	4	2.58	48
Aquatic invasive species introduction	3	7	7	15	4	5	7	2.23	48
Watercraft traffic	6	9	7	9	7	8	3	2.41	49
Excessive fishing pressure	6	12	6	11	5	5	3	2.13	48
Excessive aquatic plant growth	7	6	6	13	5	4	8	1.98	49
Algae blooms	4	7	8	12	5	5	7	2.17	48
Septic system discharge	9	7	4	3	6	1	18	1.10	48
Noise/light pollution	9	12	3	14	4	2	5	1.76	49
Other (please specify)									4
answered question									49
skipped question									1

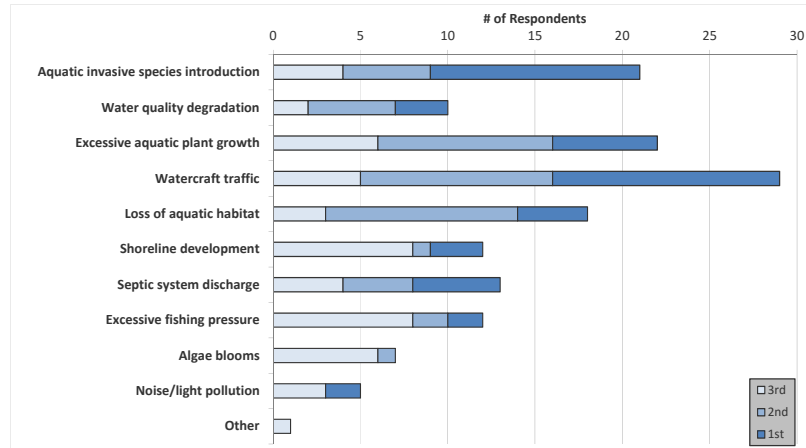
Number	Other (please specify)
1	Barking dogs and at times noisy neighbors at inappropriate times spoils the peace and experience desired by this property owner Just elaborating on the noise issue
2	Water level was kept excessively high this summer creating increased erosion, poor water quality, expanded weed bed growth.
3	High water level
4	Wake boats are ruining birch lakes shoreline. We need a 400' setback on wake/bladder type boats or totally eliminate them.



24. From the list below, please rank your top three concerns regarding Birch Lake, with 1 being your greatest concern.

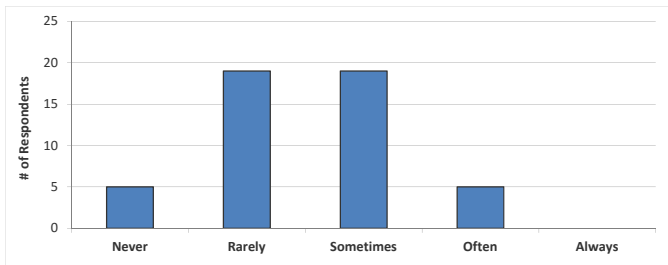
Answer Options	1st	2nd	3rd	Response Count
Water quality degradation	12	5	4	21
Loss of aquatic habitat	3	5	2	10
Shoreline erosion or development	6	10	6	22
Aquatic invasive species introduction	13	11	5	29
Watercraft traffic	4	11	3	18
Excessive fishing pressure	3	1	8	12
Excessive aquatic plant growth	5	4	4	13
Algae blooms	2	2	8	12
Septic system discharge	0	1	6	7
Noise/light pollution	2	0	3	5
Other (please specify)	0	0	1	1
answered question				50
skipped question				0

Number	Other (please specify)
1	High water level General lack of concern for
2	degradation of shoreline & wetlands The shoreline is also being
3	ruined by the high water raising the culvert has caused when West Birch Lake rd was redone.



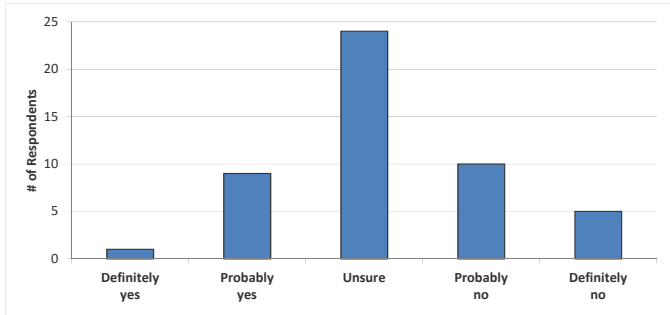
25. During open water season how often does aquatic plant growth, including algae, negatively impact your enjoyment of Birch Lake?

Answer Options	Never	Rarely	Sometimes	Often	Always	Response Count
	5	19	19	5	0	48
answered question						48
skipped question						2



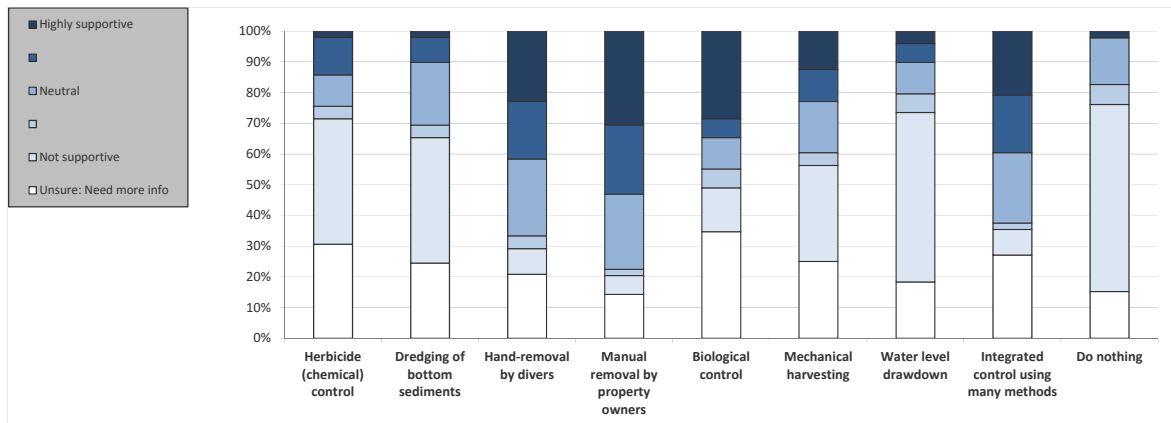
26. Considering your answer to the question above, do you believe aquatic plant control is needed on Birch Lake?

Answer Options	Definitely yes	Probably yes	Unsure	Probably no	Definitely no	Response Count
	1	9	24	10	5	49
answered question						49
skipped question						1



27. Aquatic plants can be managed using many techniques. Please tell us if you oppose or support the responsible use of the following techniques on Birch Lake.

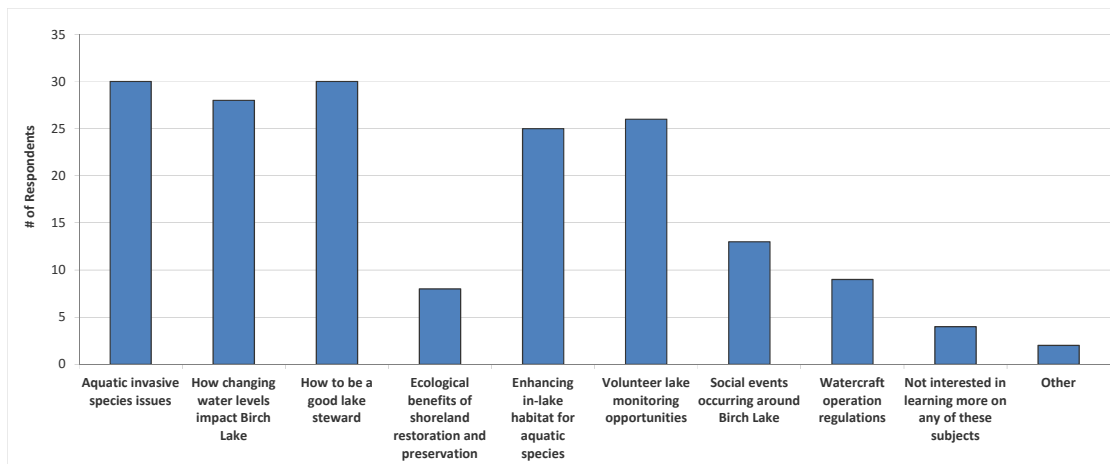
Answer Options	Not supportive	Neutral	Highly supportive	Unsure: Need more info	Rating Average	Response Count
Herbicide (chemical) control	20	2	5	6	1.39	49
Dredging of bottom sediments	20	2	10	4	1.53	49
Hand-removal by divers	4	2	12	9	2.81	48
Manual removal by property owners	3	1	12	11	3.27	49
Biological control	7	3	5	3	2.24	49
Mechanical harvesting	15	2	8	5	1.94	48
Water level drawdown	27	3	5	3	1.43	49
Integrated control using many methods	4	1	11	9	2.60	48
Do nothing (do not manage plants)	28	3	7	0	1.30	46
answered question						50
skipped question						0



28. Stakeholder education is an important component of every lake management planning effort. Which of these subjects would you like to learn more about?

Answer Options	Response Percent	Response Count
Aquatic invasive species issues	61.2%	30
How to be a good lake steward	57.1%	28
How changing water levels impact Birch Lake	61.2%	30
Social events occurring around Birch Lake	16.3%	8
Enhancing in-lake habitat for aquatic species	51.0%	25
Ecological benefits of shoreland restoration and preservation	53.1%	26
Watercraft operation regulations	26.5%	13
Volunteer lake monitoring opportunities	18.4%	9
Not interested in learning more on any of these subjects	8.2%	4
Other (please specify)	4.1%	2
answered question		49
skipped question		1

Number	Other (please specify)
1	Effective shoreland erosion practices, protection of nature, understanding of the laws regarding distance from shore to be maintained when going full speed.
2	Sheet Ice: pushing of shoreline to create banks, what can be done?



Birch Lake Association (BLA)

29. Before receiving this mailing, had you ever heard of the BLA?

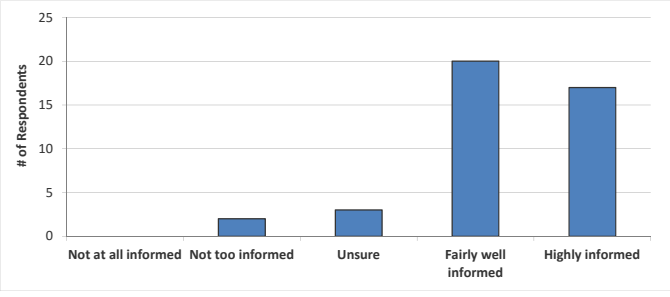
Answer Options	Response Percent	Response Count
Yes	91.8%	45
No	8.2%	4
answered question		49
skipped question		1

30. What is your membership status with the BLA?

Answer Options	Response Percent	Response Count
Current member	91.1%	41
Former member	2.2%	1
Never been a member	6.7%	3
answered question		45
skipped question		5

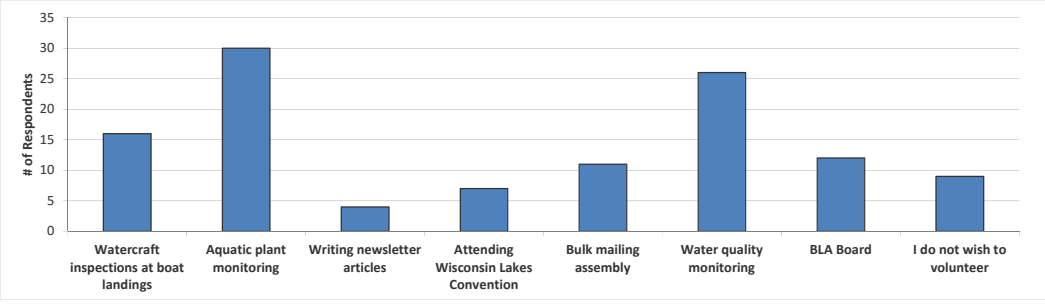
31. How informed has (or had) the BLA kept you regarding issues with Birch Lake and its management?

Answer Options	Not at all informed	Not too informed	Unsure	Fairly well informed	Highly informed	Response Count
	0	2	3	20	17	42
<i>answered question</i>						42
<i>skipped question</i>						8



32. The effective management of your lake will require the cooperative efforts of numerous volunteers. Please circle the activities you would be willing to participate in if the BLA requires additional assistance.

Answer Options	Response Percent	Response Count
Watercraft inspections at boat landings	33.3%	16
Aquatic plant monitoring	62.5%	30
Writing newsletter articles	8.3%	4
Attending Wisconsin Lakes Convention	14.6%	7
Bulk mailing assembly	22.9%	11
Water quality monitoring	54.2%	26
BLA Board	25.0%	12
I do not wish to volunteer	18.8%	9
<i>answered question</i>		48
<i>skipped question</i>		2



33. Please feel free to provide written comments concerning the Birch Lake, its current and/or historic condition and its management.

Answer Options	Response Count
	15
<i>answered question</i>	15
<i>skipped question</i>	35

Number	Response Text
1	Birch Lake seems to be holding its own.
2	I feel we do a good job of watching changes in our lake. Glenn Widenberg does a great job keeping us up to date on lake issues. Love the area and lake and will do our part in water condition issues. Support this project very much, took classes and have inspected at boat landing.
3	Birch Lk is a nice body of water Unfortunately fishing pressure increased pwc and power boats/ski boats traffic and noise pollution barking dogs/noisy neighbors (at times) has reduced the desirability of the lake from my perspective I love before school gets out and after Labor Day as noise/lake traffic is greatly reduced Overall the lake has become too busy in my opinion I drive 300 miles one way to get away from noise/fishing pressure /busy lake traffic If I wanted that I would stay in SE Wi and fish pewaukee Lk I know some of that is inevitable but seems to have gotten worse over the years on birch Lk
4	Thank you for putting together this survey and helping property owners keep our lake healthy. I look forward to hearing the results.
5	As stated previous, concerned about water level management on Birch Lake. Past couple of years, in particular this year, the high water level that was maintained significantly contributed to poor water quality- decreased clarity, erosion, explosion of weed growth!
6	Our shoreline (part of a small bay) is negatively impacted by motorized vehicles, especially personal watercraft, who do not remain the required feet out from shore when traveling at high speeds. The large waves damage the shore.
7	We have been on Birch Lake for 20 years. It has an active and enjoyable lake association. The association members have participated in fish cubes, water quality and clarity monitoring, socializing, and educating themselves on maintaining water quality. It is good to have a lake quality basis for future generations.
8	Need better access to Tamarack from Birch Lake
9	Birch is a beautiful lake. We want to keep it that way. We are on the board and steering committee and volunteer at the boat landing & pull weeds.
10	Question #28 asked about how aquatic plants can be managed - don't know enough about the many methods/options listed. All options would need to be explored (i.e. cost, implementation, etc.) if plant management was needed on our lake.
11	The biggest obstacle to preservation of Birch Lake and its habitat is stakeholder apathy. If people don't get involved the Lakes management Plan will not succeed. Amen!!
12	Thanks for all the support understand and protecting our lake!
13	Birch is a fantastic lake, thanks for taking action to keep it that way.
14	Thank you very much for this survey, we will be very interested in reading results and any actions to be taken over time.
15	The West Birch culvert needs to be put back where it was before the road was redone. It is a joke that it is 18" higher than it was before. Now we can't get to a reasonable low level and even canoes can hardly get into Tamarak like we could before.

Rainbow Lake - Anonymous Stakeholder Survey

Surveys Distributed: 33
Surveys Returned: 14
Response Rate: 42%

Rainbow Lake Property

1. Do you rent or own your property on or near Rainbow Lake? Please select one choice.

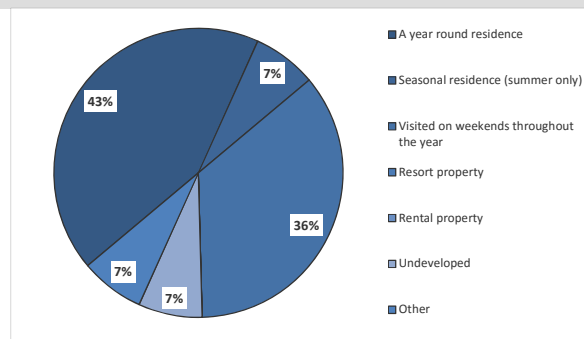
Answer Options	Response Percent	Response Count
Own	100.0%	14
Rent	0.0%	0
answered question		14
skipped question		0

2. Is your property from Question 1 on the lake or off the lake? Please select one choice.

Answer Options	Response Percent	Response Count
On the lake	100.0%	14
Off the lake	0.0%	0
answered question		14
skipped question		0

3. How is your property on or near Rainbow Lake utilized?

Answer Options	Response Percent	Response Count
A year round residence	42.9%	6
Seasonal residence (summer only)	7.1%	1
Visited on weekends throughout the year	35.7%	5
Resort property	0.0%	0
Rental property	0.0%	0
Undeveloped	7.1%	1
Other (please specify)	7.1%	1
answered question		14
skipped question		0

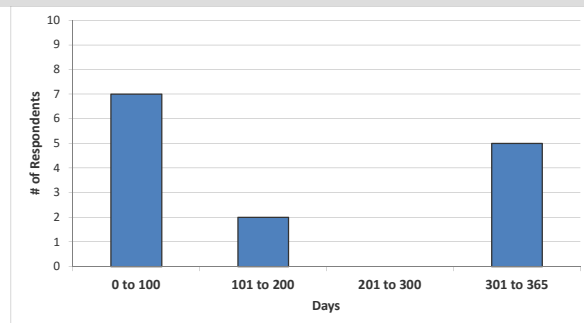


Number	Other (please specify)
1	retirement home we get up there several xs per mon

4. How many days each year is your property used by you or others?

Answer Options	Response Count
	14
answered question	14
skipped question	0

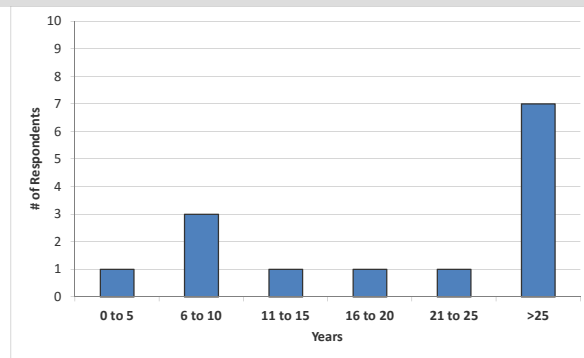
Category (# of days)	Responses	Percentage
0 to 100	7	50%
101 to 200	2	14%
201 to 300	0	0%
301 to 365	5	36%



5. How long have you owned or rented your property on or near Rainbow Lake?

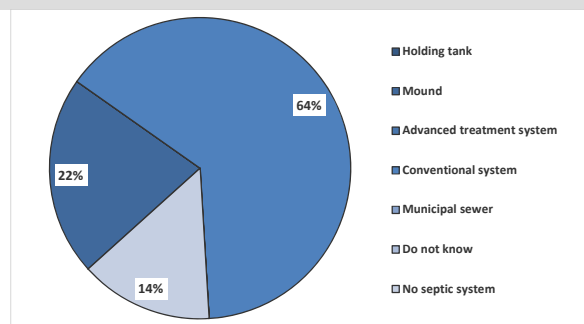
Answer Options	Response Count
	14
<i>answered question</i>	14
<i>skipped question</i>	0

Category (# of years)	Responses	% Response
0 to 5	1	7%
6 to 10	3	21%
11 to 15	1	7%
16 to 20	1	7%
21 to 25	1	7%
>25	7	50%



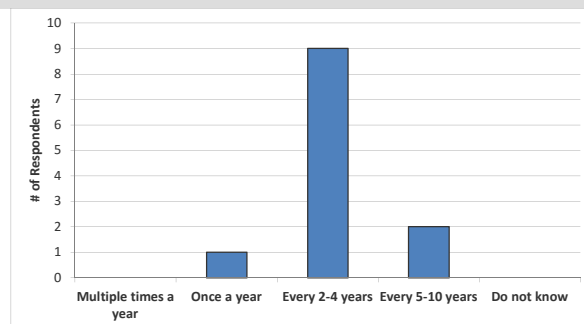
6. What type of septic system does your property utilize?

Answer Options	Response Percent	Response Count
Holding tank	0.0%	0
Mound	21.4%	3
Advanced treatment system	0.0%	0
Conventional system	64.3%	9
Municipal sewer	0.0%	0
Do not know	0.0%	0
No septic system	14.3%	2
<i>answered question</i>		14
<i>skipped question</i>		0



7. How often is the septic system on your property pumped?

Answer Options	Response Percent	Response Count
Multiple times a year	0.0%	0
Once a year	8.3%	1
Every 2-4 years	75.0%	9
Every 5-10 years	16.7%	2
Do not know	0.0%	0
<i>answered question</i>		12
<i>skipped question</i>		2

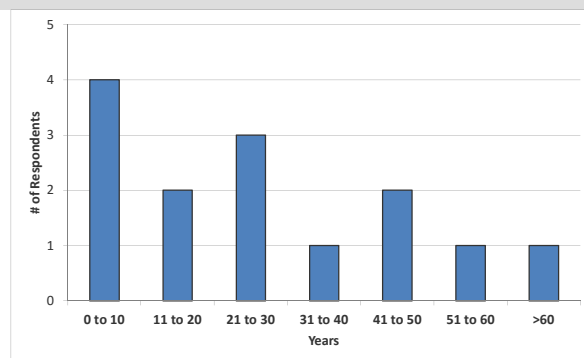


Recreational Activity on Rainbow Lake

8. How many years ago did you first visit Rainbow Lake?

Answer Options	Response Count
	14
<i>answered question</i>	14
<i>skipped question</i>	0

Category (# of days)	Responses	% Response
0 to 10	4	29%
11 to 20	2	14%
21 to 30	3	21%
31 to 40	1	7%
41 to 50	2	14%
51 to 60	1	7%
>60	1	7%



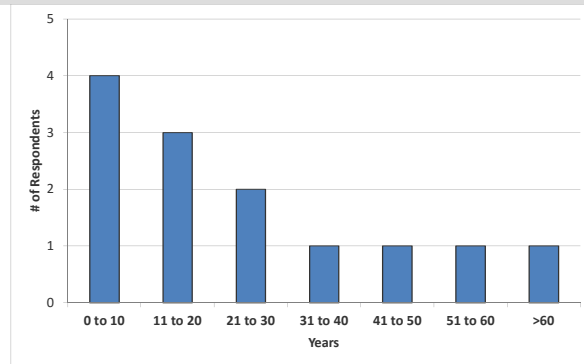
9. Have you personally fished on Rainbow Lake in the past three years?

Answer Options	Response Percent	Response Count
Yes	92.9%	13
No	7.1%	1
answered question		14
skipped question		0

10. For how many years have you fished Rainbow Lake?

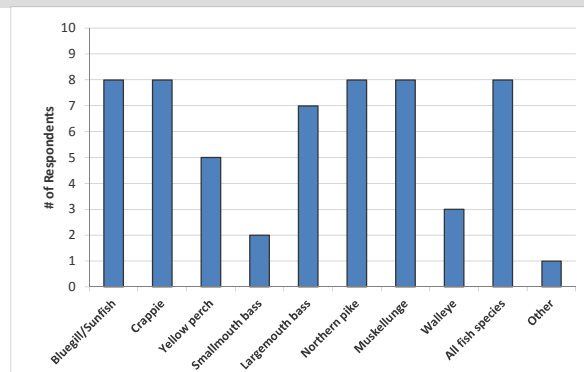
Answer Options	Response Count
	13
answered question	13
skipped question	1

Category (# of years)	Responses	% Response
0 to 10	4	31%
11 to 20	3	23%
21 to 30	2	15%
31 to 40	1	8%
41 to 50	1	8%
51 to 60	1	8%
>60	1	8%



11. What species of fish do you like to catch on Rainbow Lake?

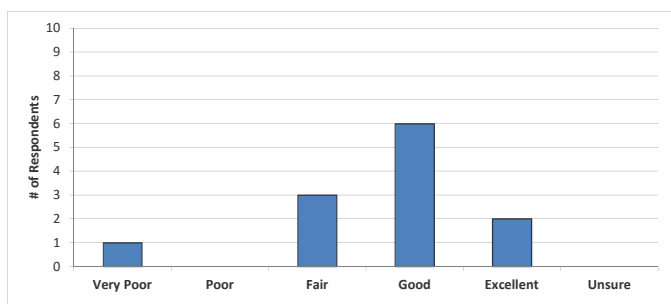
Answer Options	Response Percent	Response Count
Bluegill/Sunfish	66.7%	8
Crappie	66.7%	8
Yellow perch	41.7%	5
Smallmouth bass	16.7%	2
Largemouth bass	58.3%	7
Northern pike	66.7%	8
Muskellunge	66.7%	8
Walleye	25.0%	3
All fish species	66.7%	8
Other (please specify)	8.3%	1
answered question		12
skipped question		2



Number Other (please specify)
1 very few walleye

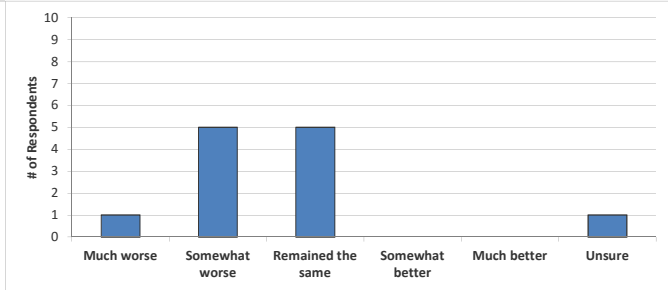
12. How would you describe the current quality of fishing on Rainbow Lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count
	1	0	3	6	2	0	12
answered question							12
skipped question							2



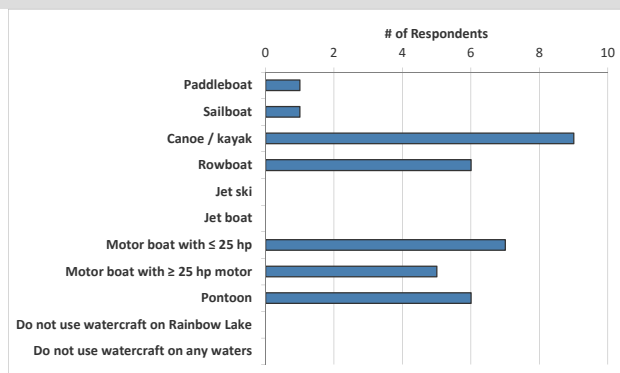
13. How has the quality of fishing changed on Rainbow Lake since you have started fishing the lake?

Answer Options	Much worse	Somewhat worse	Remained the same	Somewhat better	Much better	Unsure	Response Count
	1	5	5	0	0	1	12
answered question							12
skipped question							2



14. What types of watercraft do you currently use on Rainbow Lake?

Answer Options	Response Percent	Response Count
Paddleboat	7.7%	1
Sailboat	7.7%	1
Canoe / kayak	69.2%	9
Rowboat	46.2%	6
Jet ski (personal water craft)	0.0%	0
Jet boat	0.0%	0
Motor boat with 25 hp or less motor	53.8%	7
Motor boat with greater than 25 hp motor	38.5%	5
Pontoon	46.2%	6
Do not use watercraft on Rainbow Lake	0.0%	0
Do not use watercraft on any waters	0.0%	0
answered question		13
skipped question		1



15. Do you use your watercraft on waters other than Rainbow Lake?

Answer Options	Response Percent	Response Count
Yes	38.5%	5
No	61.5%	8
answered question		13
skipped question		1

16. What is your typical cleaning routine after using your watercraft on waters other than Rainbow Lake?

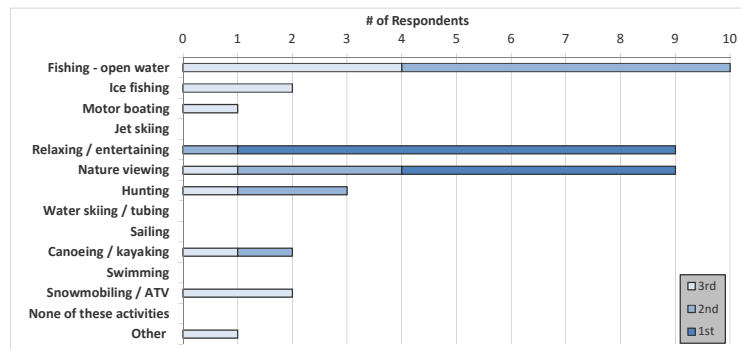
Answer Options	Response Percent	Response Count
Remove aquatic hitch-hikers (ex. - plant material, clams, mussels)	80.0%	4
Drain bilge	80.0%	4
Rinse boat	80.0%	4
Power wash boat	20.0%	1
Apply bleach	20.0%	1
Do not clean boat	20.0%	1
Other (please specify)	20.0%	1
answered question		5
skipped question		9

Number	Other (please specify)
1	I have a separate boat that I use on other lakes

17. For the list below, rank your top three activities that are important reasons for owning or renting your property on or near Rainbow Lake, with 1 being the most important activity.

Answer Options	1st	2nd	3rd	Rating Average	Response Count
Fishing - open water	0	6	4	2.40	10
Ice fishing	0	0	2	3.00	2
Motor boating	0	0	1	0.00	1
Jet skiing	0	0	0	0.00	0
Relaxing / entertaining	8	1	0	1.11	9
Nature viewing	5	3	1	1.63	9
Hunting	0	2	1	2.50	3
Water skiing / tubing	0	0	0	0.00	0
Sailing	0	0	0	0.00	0
Canoeing / kayaking	0	1	1	2.50	2
Swimming	0	0	0	0.00	0
Snowmobiling / ATV	0	0	2	3.00	2
None of these activities are important to me	0	0	0	0.00	0
Other (please specify below)	0	0	1	3.00	1
answered question					13
skipped question					1

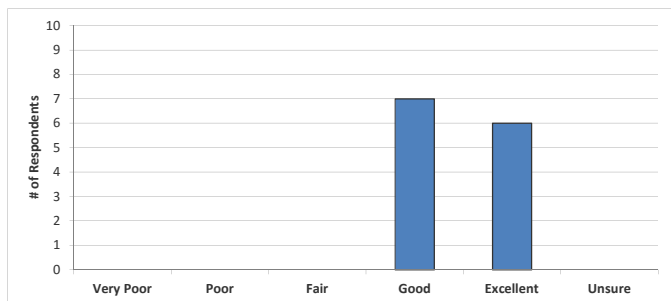
Number	"Other" responses
1	Just where we live



Rainbow Lake Current and Historic Condition, Health and Management

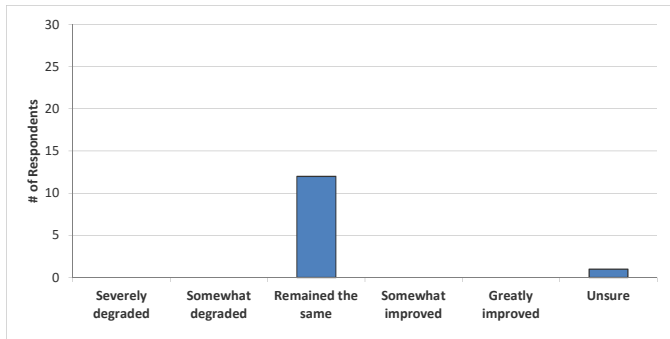
18. How would you describe the current water quality of Rainbow Lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count
	0	0	0	7	6	0	13
answered question							13
skipped question							1



19. How has the water quality changed in Rainbow Lake since you first visited the lake?

Answer Options	Severely degraded	Somewhat degraded	Remained the same	Somewhat improved	Greatly improved	Unsure	Response Count
	0	0	12	0	0	1	
answered question							13
skipped question							1



20. Before reading the statement above, had you ever heard of aquatic invasive species?

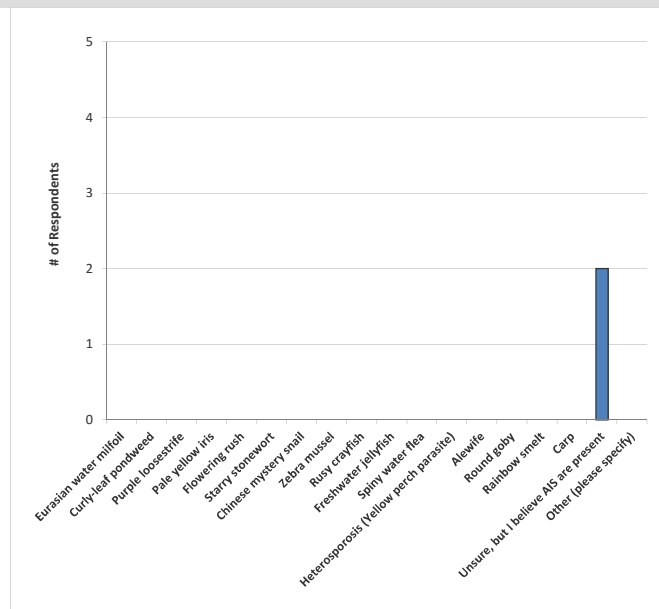
Answer Options	Response Percent	Response Count
Yes	100.0%	13
I think so but am not certain	0.0%	0
No	0.0%	0
answered question		13
skipped question		1

21. Do you believe aquatic invasive species are present within Rainbow Lake?

Answer Options	Response Percent	Response Count
Yes	7.7%	1
I think so but am not certain	7.7%	1
No	84.6%	11
answered question		13
skipped question		1

22. Which aquatic invasive species do you believe are in Rainbow Lake?

Answer Options	Response Percent	Response Count
Eurasian water milfoil	0.0%	0
Curly-leaf pondweed	0.0%	0
Purple loosestrife	0.0%	0
Pale yellow iris	0.0%	0
Flowering rush	0.0%	0
Starry stonewort	0.0%	0
Chinese mystery snail	0.0%	0
Zebra mussel	0.0%	0
Rusy crayfish	0.0%	0
Freshwater jellyfish	0.0%	0
Spiny water flea	0.0%	0
Heterosporosis (Yellow perch parasite)	0.0%	0
Alewife	0.0%	0
Round goby	0.0%	0
Rainbow smelt	0.0%	0
Carp	0.0%	0
Unsure, but I believe AIS are present	100.0%	2
Other (please specify)	0.0%	0
answered question		2
skipped question		12



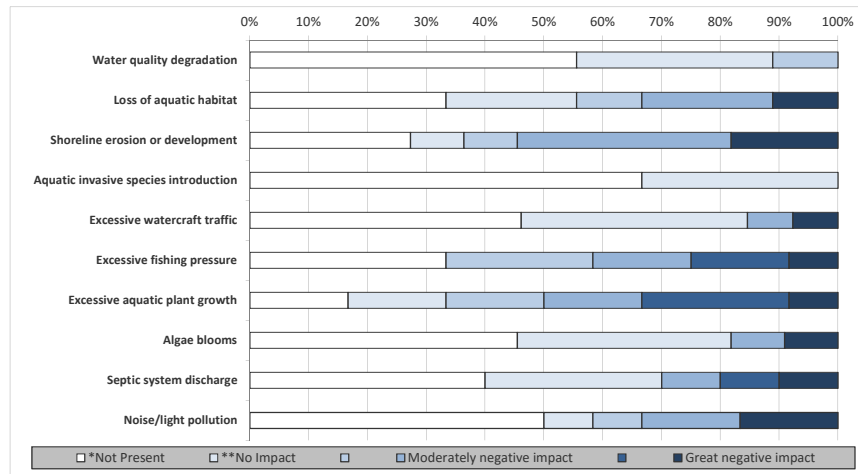
23. To what level do you believe each of the following factors may currently be negatively impacting Rainbow Lake?

*** Not present means that you believe the issue does not exist on Rainbow Lake.**

**** No impact means that the issue may exist on Rainbow Lake but it is not negatively impacting the lake.**

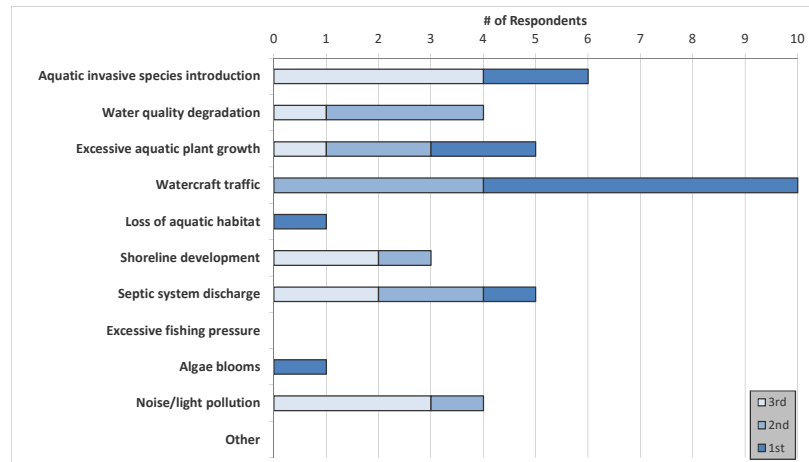
Answer Options	*Not Present	**No Impact	Moderately negative impact	Great negative impact	Unsure: Need more information	Rating Average	Response Count		
Water quality degradation	5	3	1	0	0	0.42	12		
Loss of aquatic habitat	3	2	1	2	0	1.25	12		
Shoreline erosion or development	3	1	1	4	0	1.67	13		
Aquatic invasive species introduction	6	3	0	0	0	0.25	12		
Excessive watercraft traffic or unsafe watercra	6	5	0	1	0	0.67	13		
Excessive fishing pressure	4	0	3	2	2	1	13		
Excessive aquatic plant growth (excluding alga	2	2	2	2	3	1	0	2.42	12
Algae blooms	5	4	0	1	0	1	1	1.00	12
Septic system discharge	4	3	0	1	1	1	3	0.83	13
Noise/light pollution	6	1	1	2	0	2	0	1.27	12
Other (please specify)									1
answered question							13		
skipped question							1		

Number **Other (please specify)**
1 Over the past 50+ years the quality of fishing has decreased and the vegetation has increased



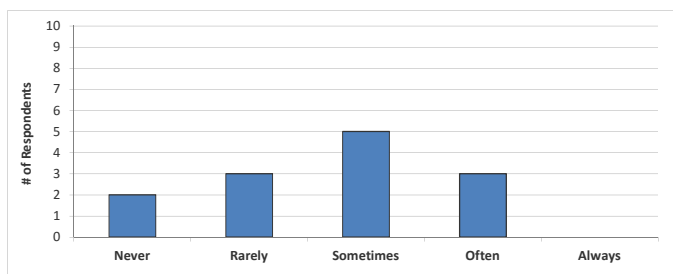
24. From the list below, please rank your top three concerns regarding Rainbow Lake, with 1 being your greatest concern.

Answer Options	1st	2nd	3rd	Response Count
Water quality degradation	2	0	4	6
Loss of aquatic habitat	0	3	1	4
Shoreline erosion or development	2	2	1	5
Aquatic invasive species introduction	6	4	0	10
Watercraft traffic	1	0	0	1
Excessive fishing pressure	0	1	2	3
Excessive aquatic plant growth	1	2	2	5
Algae blooms	0	0	0	0
Septic system discharge	1	0	0	1
Noise/light pollution	0	1	3	4
Other (please specify)	0	0	0	0
answered question				13
skipped question				1



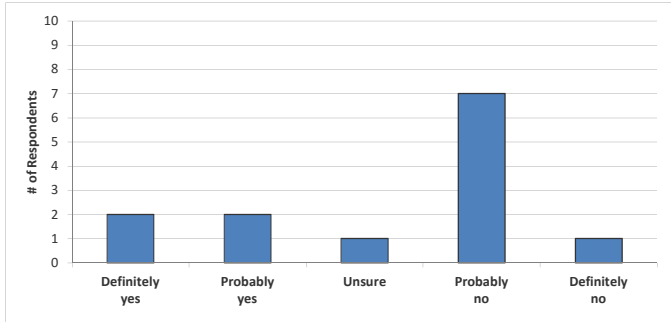
25. During open water season how often does aquatic plant growth, including algae, negatively impact your enjoyment of Rainbow Lake?

Answer Options	Never	Rarely	Sometimes	Often	Always	Response Count
	2	3	5	3	0	13
answered question						13
skipped question						1



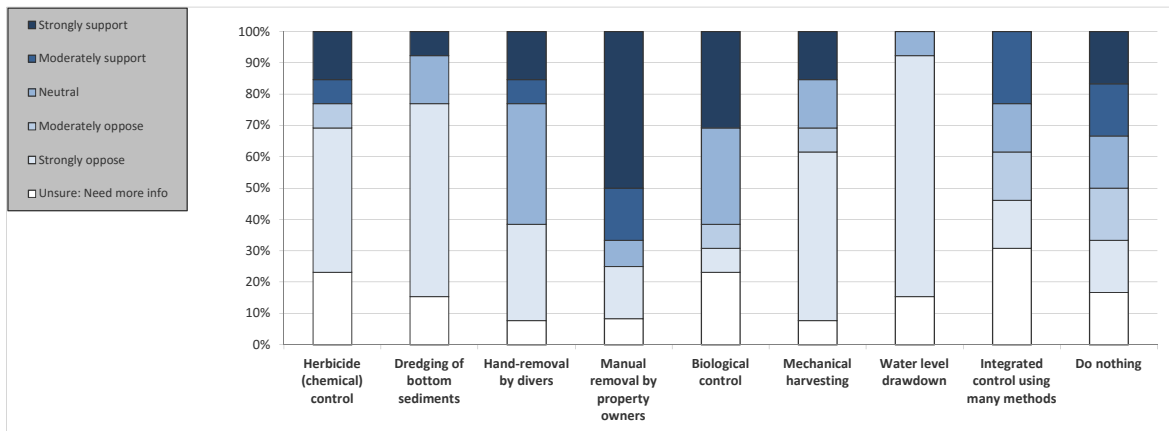
26. Considering your answer to the question above, do you believe aquatic plant control is needed on Rainbow Lake?

Answer Options	Definitely yes	Probably yes	Unsure	Probably no	Definitely no	Response Count	
	2	2	1	7	1	13	
						answered question	13
						skipped question	1



27. Aquatic plants can be managed using many techniques. Please tell us if you oppose or support the responsible use of the following techniques on Rainbow Lake.

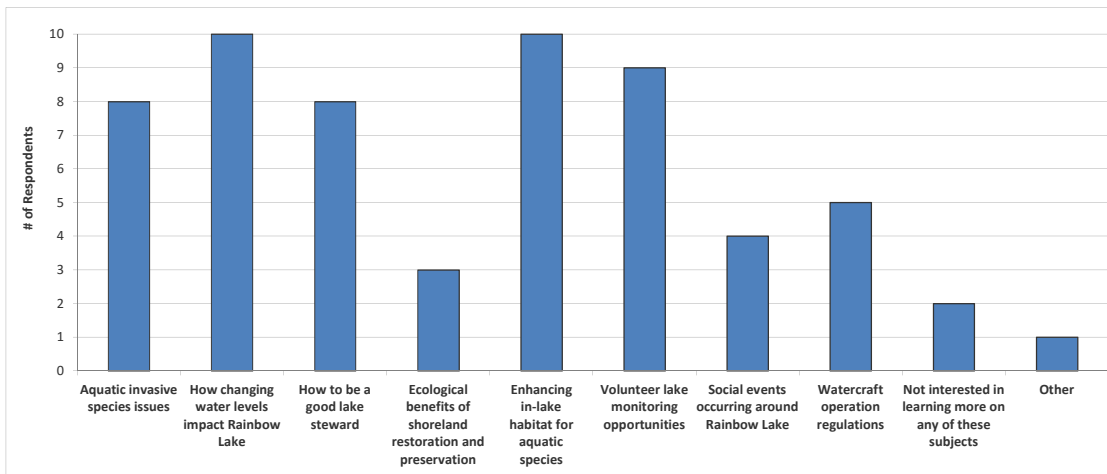
Answer Options	Strongly oppose	Moderately oppose	Neutral	Moderately support	Strongly support	Unsure: Need more info	Rating Average	Response Count
Herbicide (chemical) control	6	1	0	1	2	3	1.83	13
Dredging of bottom sediments	8	0	2	0	1	2	1.58	13
Hand-removal by divers	4	0	5	1	2	1	2.75	13
Manual removal by property owners	2	0	1	2	6	1	3.91	12
Biological control	1	1	4	0	4	3	2.92	13
Mechanical harvesting	7	1	2	0	2	1	2.08	13
Water level drawdown	10	0	1	0	0	2	1.08	13
Integrated control using many methods	2	2	2	3	0	4	2.00	13
Do nothing (do not manage plants)	2	2	2	2	2	2	2.73	12
						answered question	13	
						skipped question	1	



28. Stakeholder education is an important component of every lake management planning effort. Which of these subjects would you like to learn more about?

Answer Options	Response Percent	Response Count
Aquatic invasive species issues	61.5%	8
How to be a good lake steward	76.9%	10
How changing water levels impact Rainbow Lake	61.5%	8
Social events occurring around Rainbow Lake	23.1%	3
Enhancing in-lake habitat for aquatic species	76.9%	10
Ecological benefits of shoreland restoration and preservation	69.2%	9
Watercraft operation regulations	30.8%	4
Volunteer lake monitoring opportunities	38.5%	5
Not interested in learning more on any of these subjects	15.4%	2
Other (please specify)	7.7%	1
answered question		13
skipped question		1

Number	Other (please specify)
1	stocking walleye



Rainbow Lake Association (RLA)

29. Before receiving this mailing, had you ever heard of the RLA?

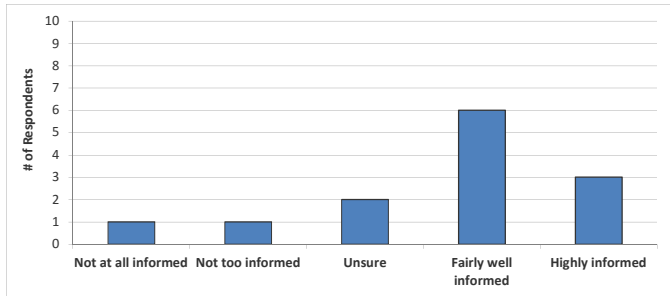
Answer Options	Response Percent	Response Count
Yes	100.0%	13
No	0.0%	0
answered question		13
skipped question		1

30. What is your membership status with the RLA?

Answer Options	Response Percent	Response Count
Current member	84.6%	11
Former member	15.4%	2
Never been a member	0.0%	0
answered question		13
skipped question		1

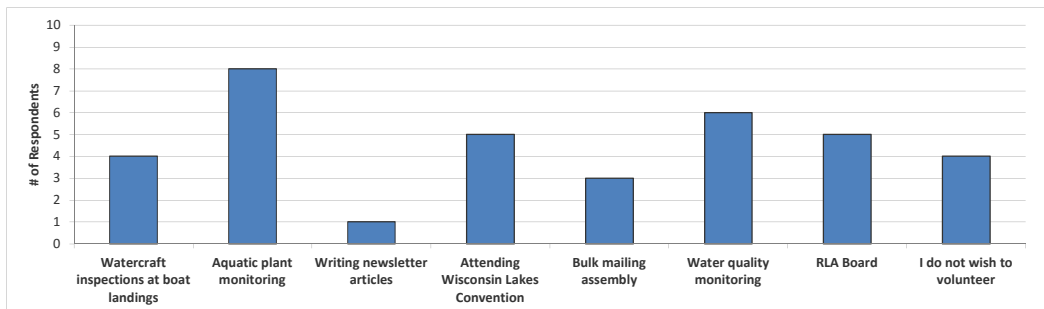
31. How informed has (or had) the RLA kept you regarding issues with Rainbow Lake and its management?

Answer Options	Not at all informed	Not too informed	Unsure	Fairly well informed	Highly informed	Response Count
	1	1	2	6	3	13
<i>answered question</i>						13
<i>skipped question</i>						1



32. The effective management of your lake will require the cooperative efforts of numerous volunteers. Please circle the activities you would be willing to participate in if the RLA requires additional assistance.

Answer Options	Response Percent	Response Count
Watercraft inspections at boat landings	30.8%	4
Aquatic plant monitoring	61.5%	8
Writing newsletter articles	7.7%	1
Attending Wisconsin Lakes Convention	38.5%	5
Bulk mailing assembly	23.1%	3
Water quality monitoring	46.2%	6
RLA Board	38.5%	5
I do not wish to volunteer	30.8%	4
<i>answered question</i>		13
<i>skipped question</i>		1



33. Please feel free to provide written comments concerning the Rainbow Lake, its current and/or historic condition and its management.

Answer Options	Response Count
	4
<i>answered question</i>	4
<i>skipped question</i>	9

Number	Response Text
1	Thanks Ken, Your work is appreciated
2	I would like to keep the lake in good condition without any AIS. I would also like to improve the fishing. I believe we can all enjoy the lake.
3	Like I stated, I'm one of the longest residents of Rainbow Lake, and over the years I've experienced more plant growth and less fish being caught. I would like to see some fish stocking program introduced.
4	Rainbow Lake's best feature is its ability to be a sanctuary for wildlife and waterfowl. A large influence is the large tracts of uninhabited and undeveloped shoreline and the relatively light motor boat traffic. I hope these characteristics can be preserved. I believe the aquatic weed environment is not a pressing issue and favorably contributes to the high level of wildlife, waterfowl & fish populations, as well as, the peaceful enjoyment of nature on the lake
5	DNR needs to be disbanded and reformed. Personnel [unsure] needs to be replaced - No.1 thing DNR personnel worry about is their own personal welfare. How to create [unsure] a problem and pretend to know how to fix the problem the DNR invented - lake problems will never be solved because the DNR would be out of work. State wide 8 hours training before boat/craft could be registered in this state - no exception for out of state water craft. Education before Wisc registration test knowledge before and renewal - every two or three years. The boat owner would be responsible for all violations. Guides in our area and fishing tournaments [unsure] creates problems, current area lake problems: A) uneducated population on water statewide, B) few people maintain whatever septic system they have C) seasonal residents do not care about lake problems, as they move on, D) Current laws, rules & regulation are not enforced in Vilas or Oneida counties. County politics need to change state does not enforce laws we already have. Shake up the whole system within our state. Banish feel good projects - residents know what problems are - Political power needs to again control and enforce in Wisconsin we have had fifty years of erosion of rural problems because of an increase of population, more land and lake development, the dollar controls how policy is developed & controlled, and who will be at best advantage. Follow the \$ (money) and the problem will be found. Define the problem. Define the solution. Work the plan of action to solve the problem(s).

Tamarack Lake - Anonymous Stakeholder Survey

Surveys Distributed: 5
Surveys Returned: 4
Response Rate: 80%

Tamarack Lake Property

1. Do you rent or own your property on or near Tamarack Lake? Please select one choice.

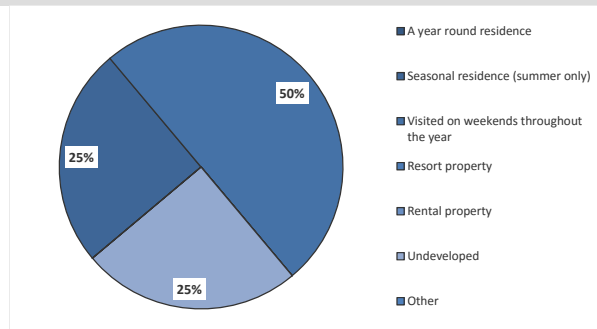
Answer Options	Response Percent	Response Count
Own	100.0%	4
Rent	0.0%	0
answered question		4
skipped question		0

2. Is your property from Question 1 on the lake or off the lake? Please select one choice.

Answer Options	Response Percent	Response Count
On the lake	100.0%	4
Off the lake	0.0%	0
answered question		4
skipped question		0

3. How is your property on or near Tamarack Lake utilized?

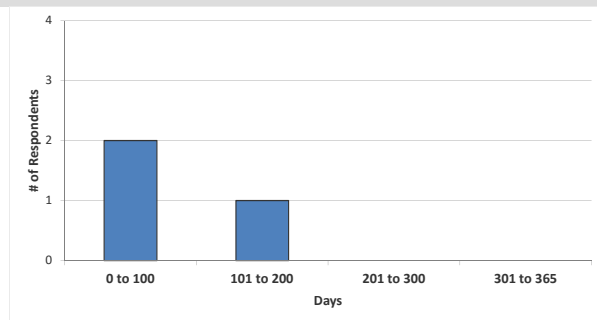
Answer Options	Response Percent	Response Count
A year round residence	0.0%	0
Seasonal residence (summer only)	25.0%	1
Visited on weekends throughout the year	50.0%	2
Resort property	0.0%	0
Rental property	0.0%	0
Undeveloped	25.0%	1
Other (please specify)	0.0%	0
answered question		4
skipped question		0



4. How many days each year is your property used by you or others?

Answer Options	Response Count
answered question	
skipped question	

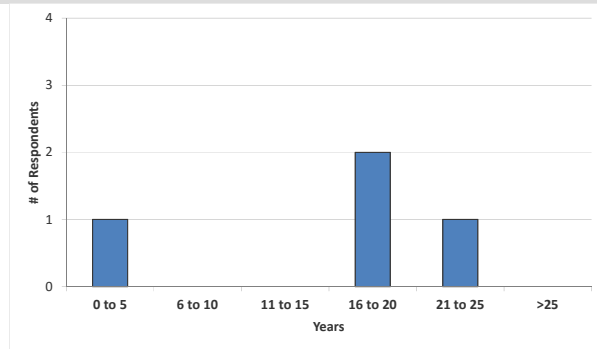
Category (# of days)	Responses	Percentage
0 to 100	2	67%
101 to 200	1	33%
201 to 300	0	0%
301 to 365	0	0%



5. How long have you owned or rented your property on or near Tamarack Lake?

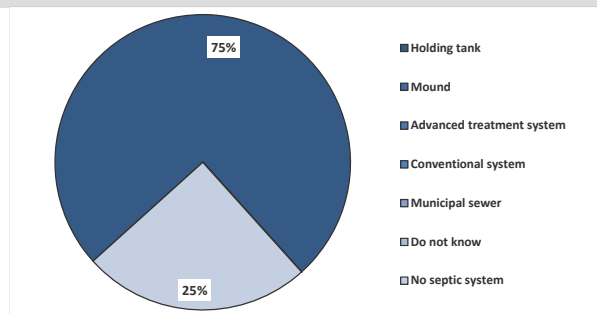
Answer Options	Response Count
	4
<i>answered question</i>	4
<i>skipped question</i>	0

Category (# of years)	Responses	% Response
0 to 5	1	25%
6 to 10	0	0%
11 to 15	0	0%
16 to 20	2	50%
21 to 25	1	25%
>25	0	0%



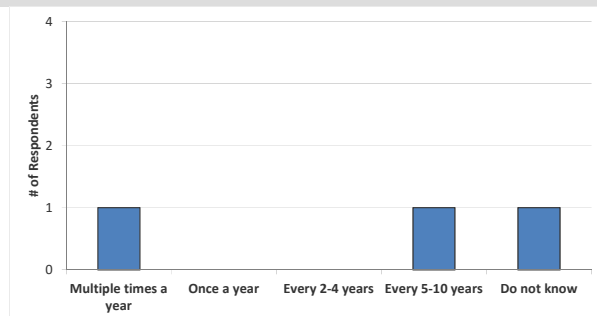
6. What type of septic system does your property utilize?

Answer Options	Response Percent	Response Count
Holding tank	75.0%	3
Mound	0.0%	0
Advanced treatment system	0.0%	0
Conventional system	0.0%	0
Municipal sewer	0.0%	0
Do not know	0.0%	0
No septic system	25.0%	1
<i>answered question</i>		4
<i>skipped question</i>		0



7. How often is the septic system on your property pumped?

Answer Options	Response Percent	Response Count
Multiple times a year	33.3%	1
Once a year	0.0%	0
Every 2-4 years	0.0%	0
Every 5-10 years	33.3%	1
Do not know	33.3%	1
<i>answered question</i>		3
<i>skipped question</i>		1

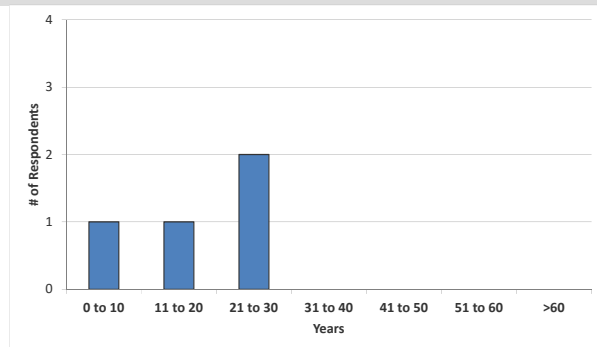


Recreational Activity on Tamarack Lake

8. How many years ago did you first visit Tamarack Lake?

Answer Options	Response Count
	4
<i>answered question</i>	4
<i>skipped question</i>	0

Category (# of days)	Responses	% Response
0 to 10	1	25%
11 to 20	1	25%
21 to 30	2	50%
31 to 40	0	0%
41 to 50	0	0%
51 to 60	0	0%
>60	0	0%

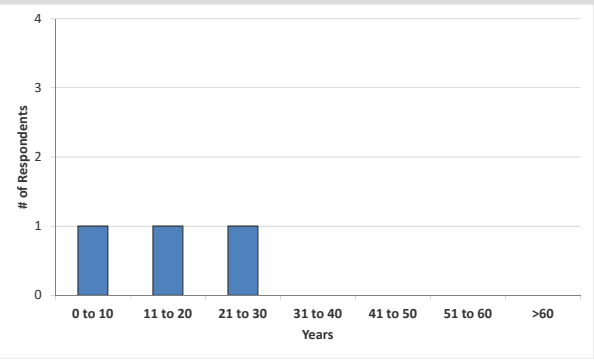


9. Have you personally fished on Tamarack Lake in the past three years?

Answer Options	Response Percent	Response Count
Yes	75.0%	3
No	25.0%	1
answered question		4
skipped question		0

10. For how many years have you fished Tamarack Lake?

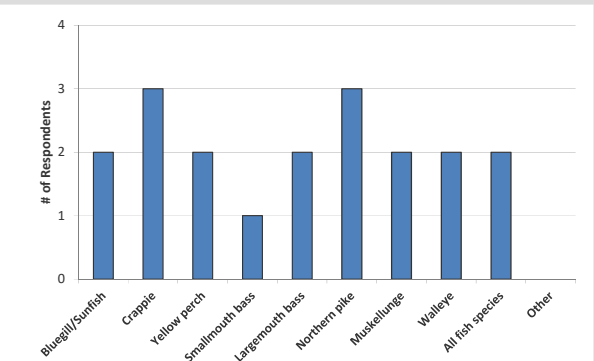
Answer Options	Response Count
answered question	
skipped question	



Category (# of years)	Responses	% Response
0 to 10	1	33%
11 to 20	1	33%
21 to 30	1	33%
31 to 40	0	0%
41 to 50	0	0%
51 to 60	0	0%
>60	0	0%

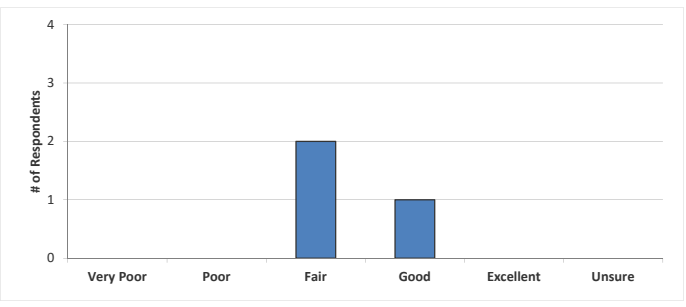
11. What species of fish do you like to catch on Tamarack Lake?

Answer Options	Response Percent	Response Count
Bluegill/Sunfish	66.7%	2
Crappie	100.0%	3
Yellow perch	66.7%	2
Smallmouth bass	33.3%	1
Largemouth bass	66.7%	2
Northern pike	100.0%	3
Muskellunge	66.7%	2
Walleye	66.7%	2
All fish species	66.7%	2
Other (please specify)	0.0%	0
answered question		3
skipped question		1



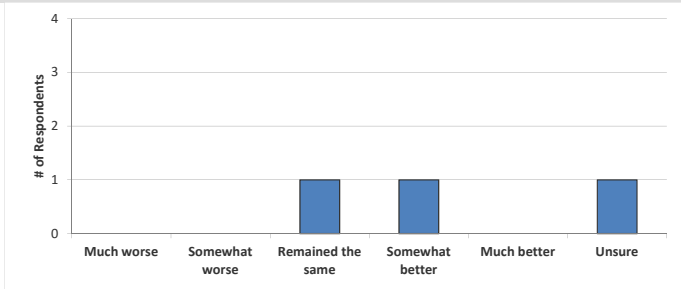
12. How would you describe the current quality of fishing on Tamarack Lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count
	0	0	2	1	0	0	3
answered question							3
skipped question							1



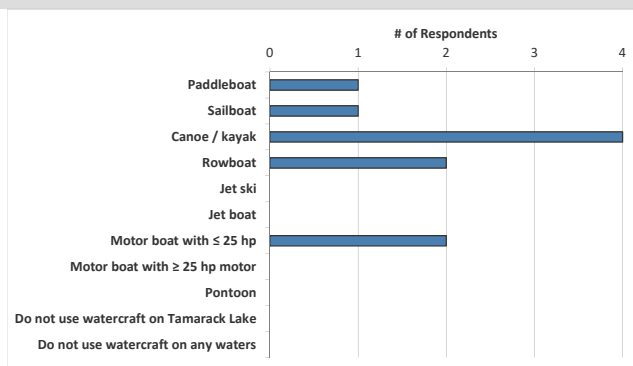
13. How has the quality of fishing changed on Tamarack Lake since you have started fishing the lake?

Answer Options	Much worse	Somewhat worse	Remained the same	Somewhat better	Much better	Unsure	Response Count
	0	0	1	1	0	1	3
answered question							3
skipped question							1



14. What types of watercraft do you currently use on Tamarack Lake?

Answer Options	Response Percent	Response Count
Paddleboat	25.0%	1
Sailboat	25.0%	1
Canoe / kayak	100.0%	4
Rowboat	50.0%	2
Jet ski (personal water craft)	0.0%	0
Jet boat	0.0%	0
Motor boat with 25 hp or less motor	50.0%	2
Motor boat with greater than 25 hp motor	0.0%	0
Pontoon	0.0%	0
Do not use watercraft on Tamarack Lake	0.0%	0
Do not use watercraft on any waters	0.0%	0
answered question		4
skipped question		0



15. Do you use your watercraft on waters other than Tamarack Lake?

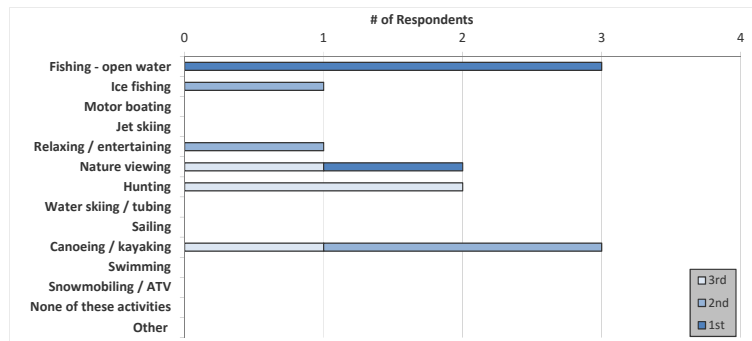
Answer Options	Response Percent	Response Count
Yes	100.0%	4
No	0.0%	0
answered question		4
skipped question		0

16. What is your typical cleaning routine after using your watercraft on waters other than Tamarack Lake?

Answer Options	Response Percent	Response Count
Remove aquatic hitch-hikers (ex. - plant material, clams, mussels)	75.0%	3
Drain bilge	50.0%	2
Rinse boat	25.0%	1
Power wash boat	0.0%	0
Apply bleach	0.0%	0
Do not clean boat	25.0%	1
Other (please specify)	0.0%	0
answered question		4
skipped question		0

17. For the list below, rank your top three activities that are important reasons for owning or renting your property on or near Tamarack Lake, with 1 being the most important activity.

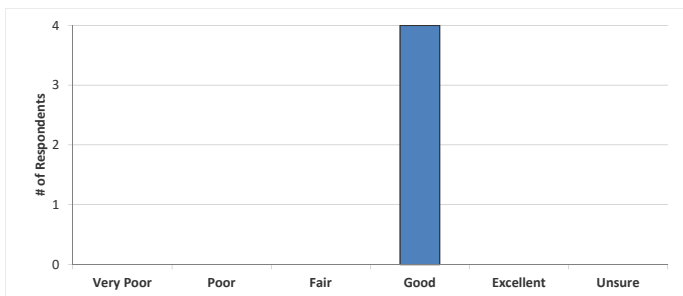
Answer Options	1st	2nd	3rd	Rating Average	Response Count
Fishing - open water	3	0	0	1.00	3
Ice fishing	0	1	0	2.00	1
Motor boating	0	0	0	0.00	0
Jet skiing	0	0	0	0.00	0
Relaxing / entertaining	0	1	0	2.00	1
Nature viewing	1	0	1	2.00	2
Hunting	0	0	2	3.00	2
Water skiing / tubing	0	0	0	0.00	0
Sailing	0	0	0	0.00	0
Canoeing / kayaking	0	2	1	2.33	3
Swimming	0	0	0	0.00	0
Snowmobiling / ATV	0	0	0	0.00	0
None of these activities are important to me	0	0	0	0.00	0
Other (please specify below)	0	0	0	0.00	0
answered question					4
skipped question					0



Tamarack Lake Current and Historic Condition, Health and Management

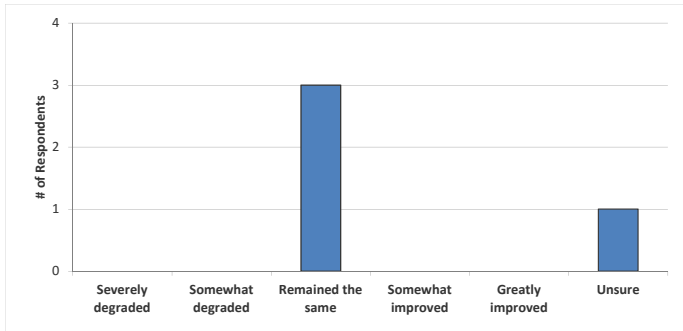
18. How would you describe the current water quality of Tamarack Lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count
	0	0	0	4	0	0	4
answered question							4
skipped question							0



19. How has the water quality changed in Tamarack Lake since you first visited the lake?

Answer Options	Severely degraded	Somewhat degraded	Remained the same	Somewhat improved	Greatly improved	Unsure	Response Count
	0	0	3	0	0	1	4
<i>answered question</i>							4
<i>skipped question</i>							0



20. Before reading the statement above, had you ever heard of aquatic invasive species?

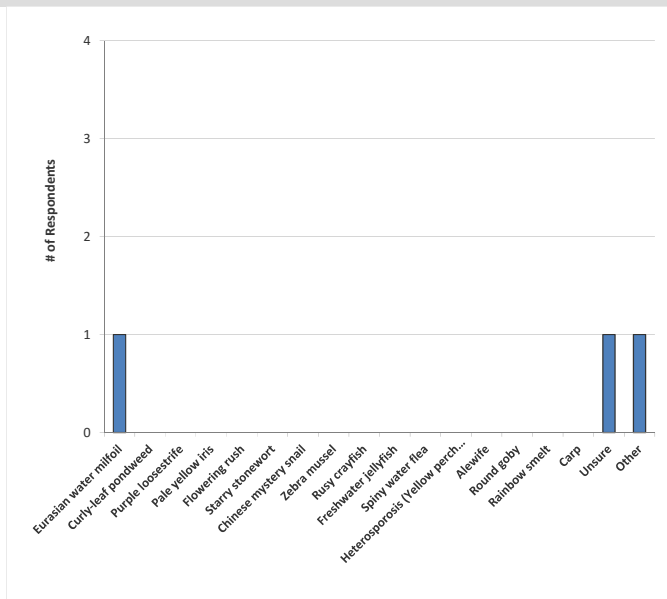
Answer Options	Response Percent	Response Count
Yes	100.0%	4
No	0.0%	0
<i>answered question</i>		4
<i>skipped question</i>		0

21. Do you believe aquatic invasive species are present within Tamarack Lake?

Answer Options	Response Percent	Response Count
Yes	0.0%	0
I think so but am not certain	50.0%	2
No	50.0%	2
<i>answered question</i>		4
<i>skipped question</i>		0

22. Which aquatic invasive species do you believe are in Tamarack Lake?

Answer Options	Response Percent	Response Count
Eurasian water milfoil	50.0%	1
Curly-leaf pondweed	0.0%	0
Purple loosestrife	0.0%	0
Pale yellow iris	0.0%	0
Flowering rush	0.0%	0
Starry stonewort	0.0%	0
Chinese mystery snail	0.0%	0
Zebra mussel	0.0%	0
Rusy crayfish	0.0%	0
Freshwater jellyfish	0.0%	0
Spiny water flea	0.0%	0
Heterosporosis (Yellow perch parasite)	0.0%	0
Alewife	0.0%	0
Round goby	0.0%	0
Rainbow smelt	0.0%	0
Carp	0.0%	0
Unsure, but I believe AIS are present	50.0%	1
Other (please specify)	50.0%	1
<i>answered question</i>		2
<i>skipped question</i>		2



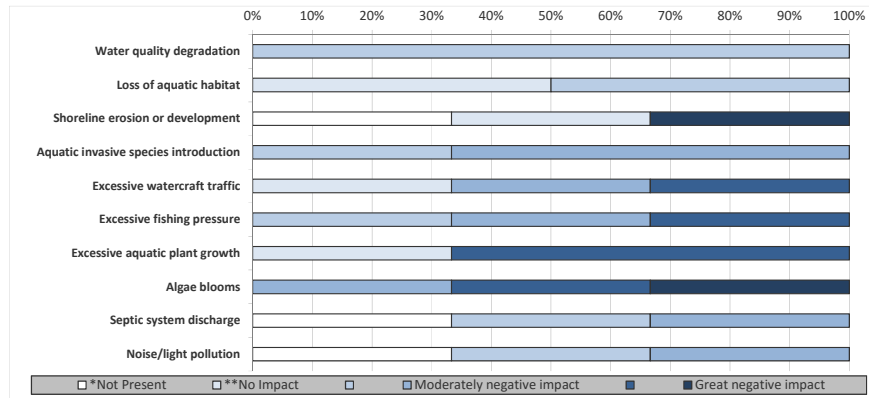
Number "Other" responses
1 Bryozoan showed up in one place last summer on Tamarack Lake

23. To what level do you believe each of the following factors may currently be negatively impacting Tamarack Lake?

* Not present means that you believe the issue does not exist on Tamarack Lake.

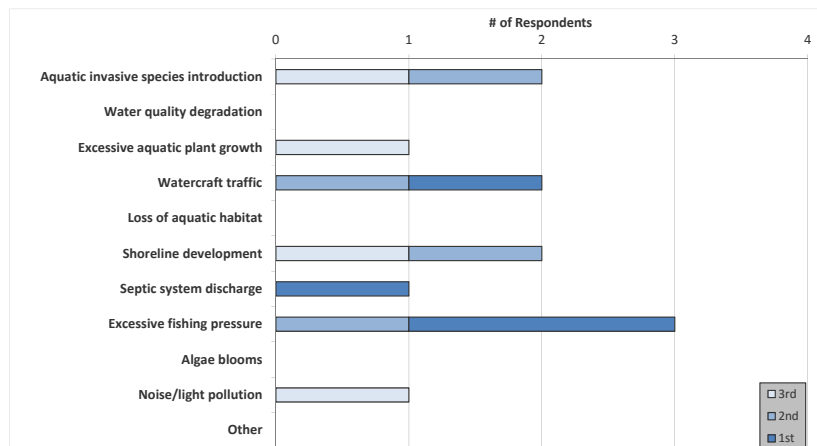
** No impact means that the issue may exist on Tamarack Lake but it is not negatively impacting the lake.

Answer Options	*Not Present	**No Impact	Moderately negative impact	Great negative impact	Unsure: Need more information	Rating Average	Response Count
Water quality degradation	0	0	2	0	1	1.33	3
Loss of aquatic habitat	0	1	1	0	1	1.00	3
Shoreline erosion or development	1	1	0	0	1	2.00	3
Aquatic invasive species introduction	0	0	1	2	0	2.67	3
Watercraft traffic	0	1	0	1	1	2.67	3
Excessive fishing pressure	0	0	1	1	1	3.00	3
Excessive aquatic plant growth	0	1	0	2	0	3.00	3
Algae blooms	0	0	1	1	1	4.00	3
Septic system discharge	1	0	1	1	0	1.67	3
Noise/light pollution	1	0	1	1	0	1.67	3
Other (please specify)							0
answered question							3
skipped question							1



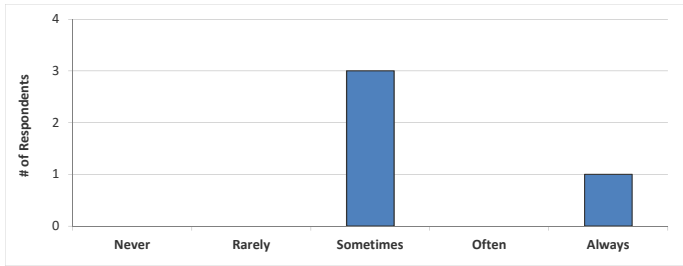
24. From the list below, please rank your top three concerns regarding Tamarack Lake, with 1 being your greatest concern.

Answer Options	1st	2nd	3rd	Response Count
Water quality degradation	0	1	1	2
Loss of aquatic habitat	0	0	0	0
Shoreline erosion or development	0	0	1	1
Aquatic invasive species introduction	1	1	0	2
Watercraft traffic	0	0	0	0
Excessive fishing pressure	0	1	1	2
Excessive aquatic plant growth	1	0	0	1
Algae blooms	2	1	0	3
Septic system discharge	0	0	0	0
Noise/light pollution	0	0	1	1
Other (please specify)	0	0	0	0
answered question				4
skipped question				0



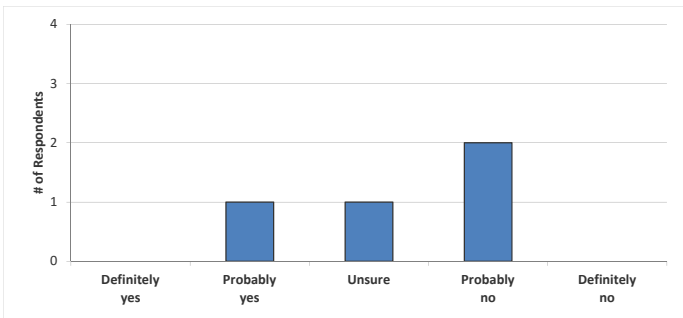
25. During open water season how often does aquatic plant growth, including algae, negatively impact your enjoyment of Tamarack Lake?

Answer Options	Never	Rarely	Sometimes	Often	Always	Response Count
	0	0	3	0	1	4
<i>answered question</i>						4
<i>skipped question</i>						0



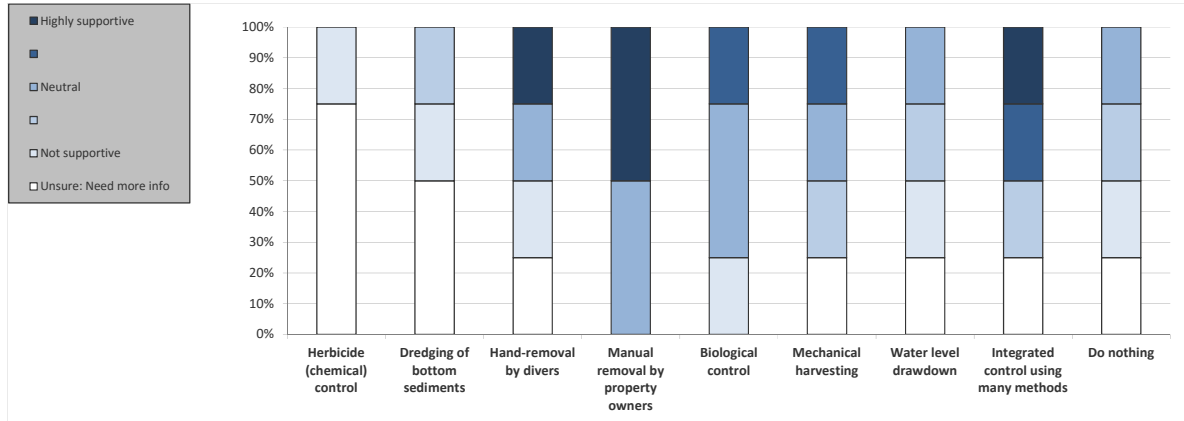
26. Considering your answer to the question above, do you believe aquatic plant control is needed on Tamarack Lake?

Answer Options	Definitely yes	Probably yes	Unsure	Probably no	Definitely no	Response Count
	0	1	1	2	0	4
<i>answered question</i>						4
<i>skipped question</i>						0



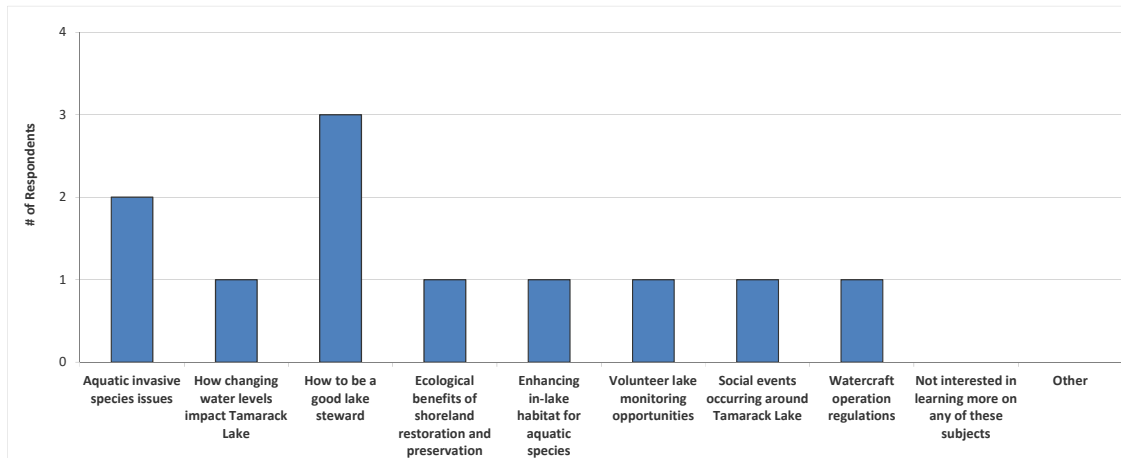
27. Aquatic plants can be managed using many techniques. Please tell us if you oppose or support the responsible use of the following techniques on Tamarack Lake.

Answer Options	Not supportive	Neutral	Highly supportive	Unsure: Need more info	Rating Average	Response Count
Herbicide (chemical) control	1	0	0	3	0.25	4
Dredging of bottom sediments	1	1	0	2	0.75	4
Hand-removal by divers	1	0	1	1	2.25	4
Manual removal by property owners	0	0	2	0	4.00	4
Biological control	1	0	2	1	2.75	4
Mechanical harvesting	0	1	1	1	2.25	4
Water level drawdown	1	1	1	0	1.50	4
Integrated control using many methods	0	1	0	1	2.75	4
Do nothing (do not manage plants)	1	1	1	0	1.50	4
answered question						4
skipped question						0



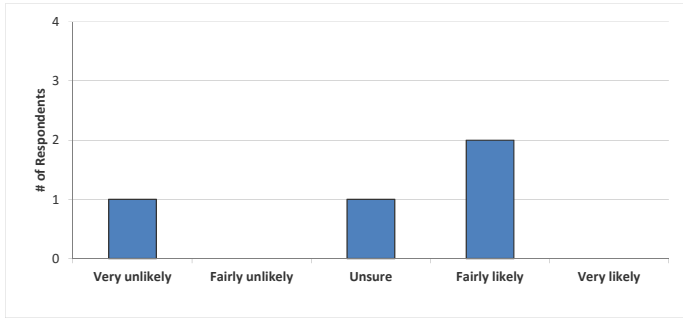
28. Stakeholder education is an important component of every lake management planning effort. Which of these subjects would you like to learn more about?

Answer Options	Response Percent	Response Count
Aquatic invasive species issues	66.7%	2
How to be a good lake steward	33.3%	1
How changing water levels impact Tamarack Lake	100.0%	3
Social events occurring around Tamarack Lake	33.3%	1
Enhancing in-lake habitat for aquatic species	33.3%	1
Ecological benefits of shoreland restoration and preservation	33.3%	1
Watercraft operation regulations	33.3%	1
Volunteer lake monitoring opportunities	33.3%	1
Not interested in learning more on any of these subjects	0.0%	0
Other (please specify)	0.0%	0
answered question		3
skipped question		1



34. If Tamarack Lake were to establish a lake association, what would be your interest level in joining the association?

Answer Options	Very unlikely	Fairly unlikely	Unsure	Fairly likely	Very likely	Response Count
	1	0	1	2	0	4
answered question						4
skipped question						0



33. Please feel free to provide written comments concerning the Tamarack Lake, its current and/or historic condition and its management.

Answer Options	Response Count
	2
answered question	2
skipped question	2

Number	Response Text
1	We did not have any white water lilies when we first moved to our lake. Only had the yellow ones and now the last few years the shore line has way more white lilies comparing to the yellow ones. The white ones look a lot nicer.
2	There are only 5 families on the lake, I suggest still belonging to Birch Lake Association since Tamarack and Birch are connected to each other by a creek. This summer we noticed a massive blob in the creek leading to Rainbow Lake just south of Hwy W. It was inside a patch of lily pads. I believe it's called Bryozoans. It is a jelly like blob. These bryozoans can be attached to the legs of docks. Seen this also in Birch Lake. They are not a water pollution and in fact help filter water. These are called moss animals. Very slim, firm, clear, and gelatinous to the touch. It looks like a colony of animals each with a whorl of swirling tentacles.

Turtle Lakes Chain - Anonymous Stakeholder Survey

Surveys Distributed: 288
Surveys Returned: 101
Response Rate: 35%

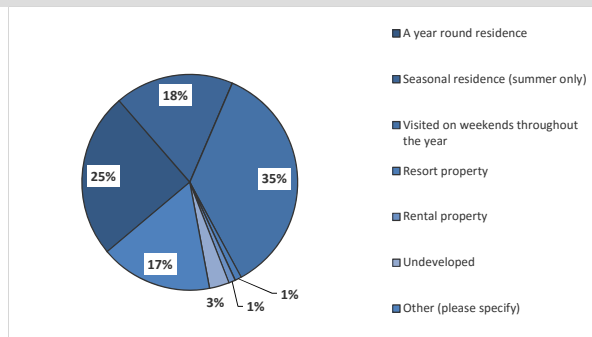
Turtle Lakes Chain Property

1. Which of the Turtle Chain Lakes do you reside on?

Answer Options	Response Percent	Response Count
North Turtle Lake	44.6%	45
South Turtle Lake	36.6%	37
Rock Lake	18.8%	19
answered question		101
skipped question		0

2. How is your property on your lake utilized?

Answer Options	Response Percent	Response Count
A year round residence	24.8%	25
Seasonal residence (summer only)	17.8%	18
Visited on weekends throughout the year	35.6%	36
Resort property	1.0%	1
Rental property	1.0%	1
Undeveloped	3.0%	3
Other (please specify)	16.8%	17
answered question		101
skipped question		0



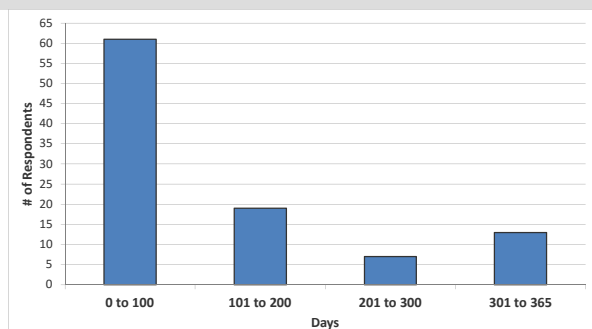
Number Other (please specify)

- 1 Summer plus weekends throughout year
- 2 Throughout the year
- 3 A year round residence, half the time, i. e. 50%
- 4 seasonal (winter & summer) as well as various weekends throughout the year
- 5 Visited frequently throughout the year
- 6 spring/summer/fall
- 7 used both weekends and weekdays throughout the year
- 8 we camp seasonally
- 9 Seasonal Residence (spring, summer, fall)
- 10 use year round but not residence
- 11 Visited every other week all year
- 12 3 months on average throughout the year
- 13 Seasonal(summer) and Thanksgiving, X-Mas, maybe Easter136
- 14 visited frequently throughout the year (much more than weekends)
- 15 Seasonal Summer and several weeks around Christmas
- 16 7-10 day random visits
- 17 visited year around, not just weekends

3. How many days each year is your property used by you or others?

Answer Options	Response Count
	100
answered question	100
skipped question	1

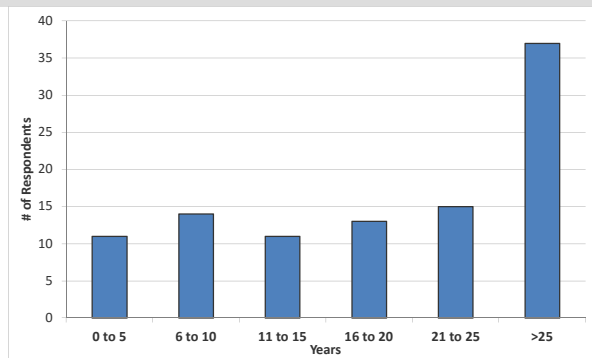
Category (# of days)	Responses
0 to 100	61 61.0%
101 to 200	19 19.0%
201 to 300	7 7.0%
301 to 365	13 13.0%



4. How long have you owned your property on your lake?

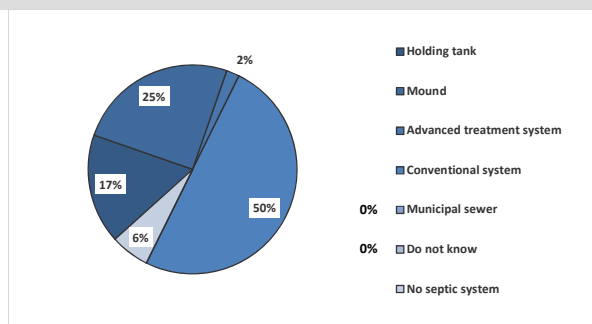
Answer Options	Response Count
	101
<i>answered question</i>	101
<i>skipped question</i>	0

Category (# of years)	Responses	% Response
0 to 5	11	10.9%
6 to 10	14	13.9%
11 to 15	11	10.9%
16 to 20	13	12.9%
21 to 25	15	14.9%
>25	37	36.6%



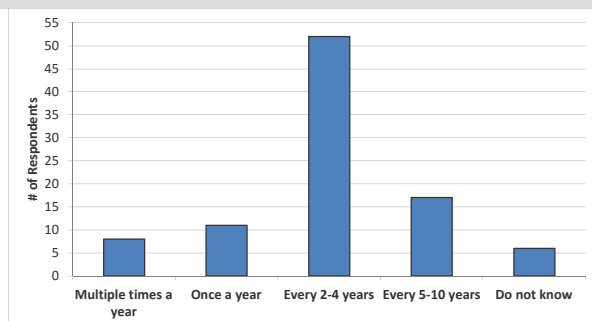
5. What type of septic system does your property utilize?

Answer Options	Response Percent	Response Count
Holding tank	17.0%	17
Mound	25.0%	25
Advanced treatment system	2.0%	2
Conventional system	50.0%	50
Municipal sewer	0.0%	0
Do not know	0.0%	0
No septic system	6.0%	6
<i>answered question</i>		100
<i>skipped question</i>		1



6. How often is the septic system on your property pumped?

Answer Options	Response Percent	Response Count
Multiple times a year	8.5%	8
Once a year	11.7%	11
Every 2-4 years	55.3%	52
Every 5-10 years	18.1%	17
Do not know	6.4%	6
<i>answered question</i>		94
<i>skipped question</i>		7

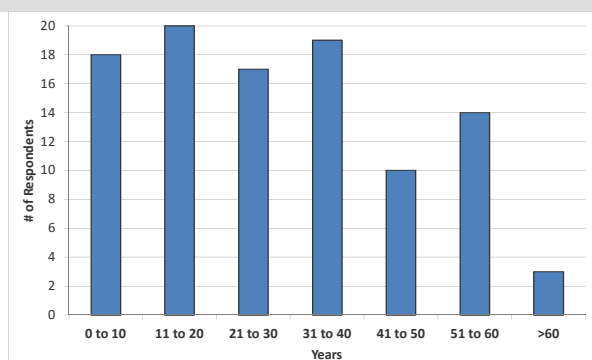


Recreational Activity on the Turtle Lakes Chain

7. How many years ago did you first visit your lake?

Answer Options	Response Count
	101
<i>answered question</i>	101
<i>skipped question</i>	0

Category (# of days)	Responses	% Response
0 to 10	18	17.8%
11 to 20	20	19.8%
21 to 30	17	16.8%
31 to 40	19	18.8%
41 to 50	10	9.9%
51 to 60	14	13.9%
>60	3	3.0%



8. Which, if any, of the chain lakes do you fish on?

Answer Options	Response Percent	Response Count
North Turtle Lake	72.3%	73
South Turtle Lake	72.3%	73
Rock Lake	62.4%	63
I do not fish on the Turtle Lakes Chain	16.8%	17
answered question		101
skipped question		0

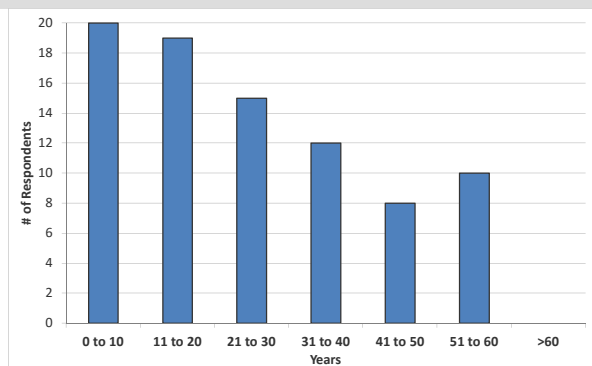
9. Which lake do you fish most often?

Answer Options	Response Percent	Response Count
North Turtle Lake	40.5%	34
South Turtle Lake	41.7%	35
Rock Lake	17.9%	15
answered question		84
skipped question		17

10. For how many years have you fished the lake you indicated in Question 9?

Answer Options	Response Count
	84
answered question	84
skipped question	17

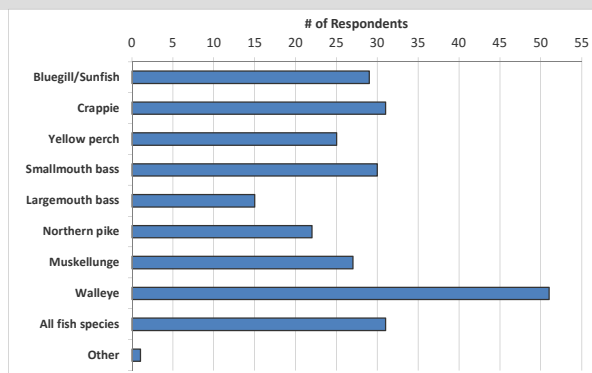
Category (# of years)	Responses	% Response
0 to 10	20	23.8%
11 to 20	19	22.6%
21 to 30	15	17.9%
31 to 40	12	14.3%
41 to 50	8	9.5%
51 to 60	10	11.9%
>60	0	0.0%



11. What species of fish do you like to catch on the lake you indicated in Question 9?

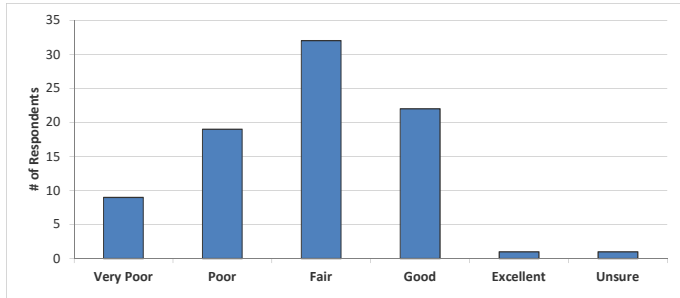
Answer Options	Response Percent	Response Count
Bluegill/Sunfish	34.5%	29
Crappie	36.9%	31
Yellow perch	29.8%	25
Smallmouth bass	35.7%	30
Largemouth bass	17.9%	15
Northern pike	26.2%	22
Muskellunge	32.1%	27
Walleye	60.7%	51
All fish species	36.9%	31
Other (please specify)	1.2%	1
answered question		84
skipped question		17

Number	Other (please specify)
1	Do not catch many.



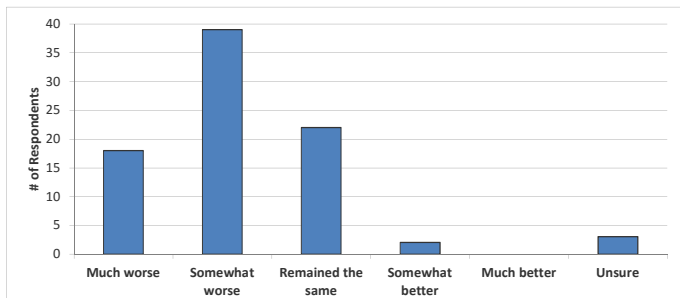
12. How would you describe the current quality of fishing on your lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count
	9	19	32	22	1	1	84
	<i>answered question</i>						84
	<i>skipped question</i>						17



13. How has the quality of fishing changed on your lake since you have started fishing the lake?

Answer Options	Much worse	Somewhat worse	Remained the same	Somewhat better	Much better	Unsure	Response Count
	18	39	22	2	0	3	84
	<i>answered question</i>						84
	<i>skipped question</i>						17



14. What types of watercraft do you currently use on your lake?

Answer Options	Response Percent	Response Count
Paddleboat	33.7%	34
Sailboat	5.0%	5
Canoe / kayak	67.3%	68
Rowboat	23.8%	24
Jet ski (personal water craft)	18.8%	19
Jet boat	0.0%	0
Motor boat with 25 hp or less motor	23.8%	24
Motor boat with greater than 25 hp motor	55.5%	56
Pontoon	54.5%	55
Do not use watercraft on my lake	0.0%	0
Do not use watercraft on any waters	1.0%	1
	<i>answered question</i>	101
	<i>skipped question</i>	0

15. Do you use your watercraft on waters other than the Turtle Lakes Chain (i.e. remove your boat from the chain and relaunch elsewhere)?

Answer Options	Response Percent	Response Count
Yes	28.0%	28
No	72.0%	72
	<i>answered question</i>	100
	<i>skipped question</i>	1

16. What is your typical cleaning routine after using your watercraft on waters other than the Turtle Lakes Chain?

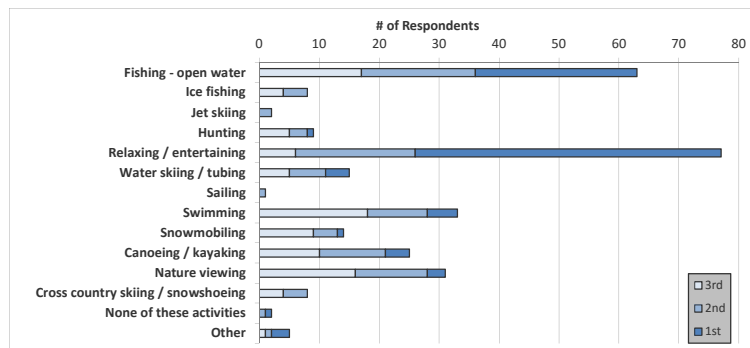
Answer Options	Response Percent	Response Count
Remove aquatic hitch-hikers (ex. - plant material, clams, mussels)	85.7%	24
Drain bilge	82.1%	23
Rinse boat	39.3%	11
Power wash boat	7.1%	2
Apply bleach	10.7%	3
Do not clean boat	7.1%	2
Other (please specify)		3
answered question		28
skipped question		73

Number	Other (please specify)
1	kayaks stay pretty clean!
2	this is for jetski
3	Boat stays out of water until dry.

17. For the list below, rank your top three activities that are important reasons for owning your property on your lake, with 1 being the most important activity.

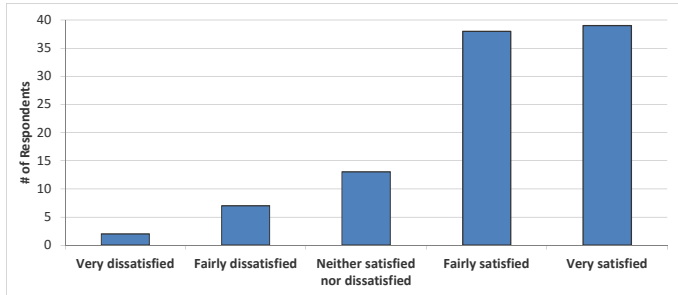
Answer Options	1st	2nd	3rd	Rating Average	Response Count
Fishing - open water	27	19	17	1.84	63
Ice fishing	0	4	4	2.50	8
Jet skiing	0	2	0	2.00	2
Hunting	1	3	5	2.44	9
Relaxing / entertaining	51	20	6	1.42	77
Water skiing / tubing	4	6	5	2.07	15
Sailing	0	1	0	2.00	1
Swimming	5	10	18	2.39	33
Snowmobiling	1	4	9	2.57	14
Canoeing / kayaking	4	11	10	2.24	25
Nature viewing	3	12	16	2.42	31
Cross country skiing / snowshoeing	0	4	4	2.50	8
None of these activities are important to me	1	1	0	1.50	2
Other (please specify below)	3	1	1	1.60	5
answered question					100
skipped question					1

Number	"Other" responses
1	pontoon boating
2	biking
3	BIKING
4	atv
5	Mushroom hunting



18. Overall, how satisfied are you with your recreational experiences on your lake?

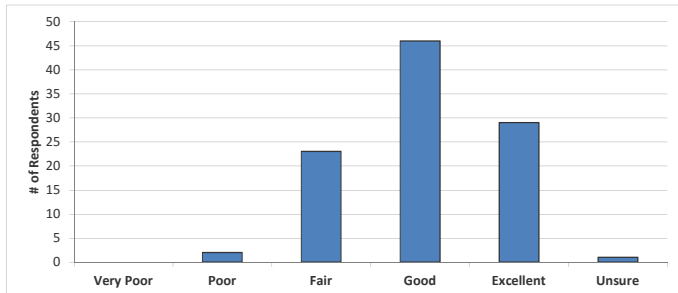
Answer Options	Very dissatisfied	Fairly dissatisfied	Neither satisfied nor dissatisfied	Fairly satisfied	Very satisfied	Response Count
	2	7	13	38	39	99
	<i>answered question</i>					99
	<i>skipped question</i>					2



Turtle Lakes Chain Current and Historic Condition, Health and Management

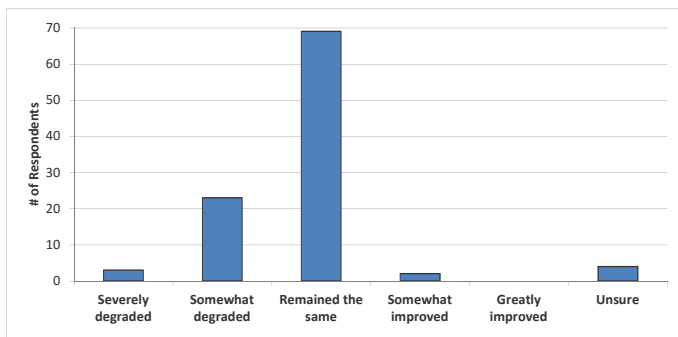
19. How would you describe the current water quality of your lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count
	0	2	23	46	29	1	101
	<i>answered question</i>						101
	<i>skipped question</i>						0



20. How has the water quality changed in your lake since you first visited the lake?

Answer Options	Severely degraded	Somewhat degraded	Remained the same	Somewhat improved	Greatly improved	Unsure	Response Count
	3	23	69	2	0	4	101
	<i>answered question</i>						101
	<i>skipped question</i>						0



21. Is there a natural vegetative buffer (i.e. shrubs, trees, wetland plants, etc.) between your lawn and the lake?

Answer Options	Response Percent	Response Count
Yes	82.8%	82
I think so but am not certain	2.0%	2
No	8.1%	8
I do not have a lawn adjacent to the lake	7.1%	7
answered question		99
skipped question		2

23. Before reading the statement above, had you ever heard of aquatic invasive species?

Answer Options	Response Percent	Response Count
Yes	98.0%	98
No	2.0%	2
answered question		100
skipped question		1

22. Do you fertilize your lakeside lawn?

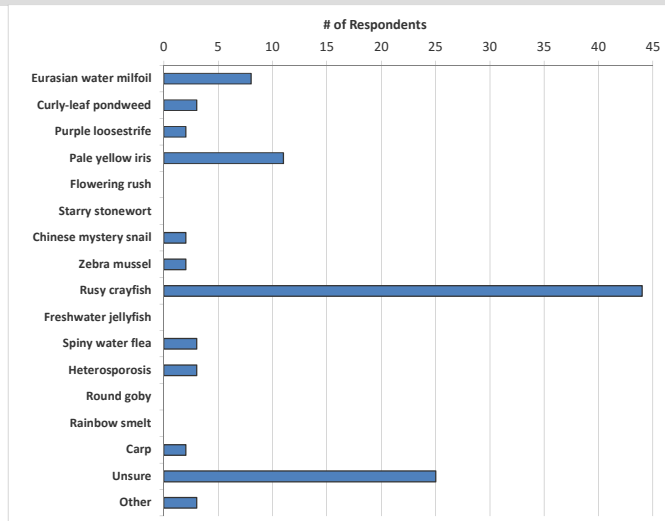
Answer Options	Response Percent	Response Count
Yes	8.5%	8
I think so but am not certain	0.0%	0
No	91.5%	86
answered question		94
skipped question		7

24. Do you believe aquatic invasive species are present within your lake?

Answer Options	Response Percent	Response Count
Yes	41.4%	41
I think so but am not certain	36.4%	36
No	22.2%	22
answered question		99
skipped question		2

25. Which aquatic invasive species do you believe are in your lake?

Answer Options	Response Percent	Response Count
Eurasian water milfoil	10.7%	8
Curly-leaf pondweed	4.0%	3
Purple loosestrife	2.7%	2
Pale yellow iris	14.7%	11
Flowering rush	0.0%	0
Starry stonewort	0.0%	0
Chinese mystery snail	2.7%	2
Zebra mussel	2.7%	2
Rusy crayfish	58.7%	44
Freshwater jellyfish	0.0%	0
Spiny water flea	4.0%	3
Heterosporosis (Yellow perch parasite)	4.0%	3
Round goby	0.0%	0
Rainbow smelt	0.0%	0
Carp	2.7%	2
Unsure but presume AIS to be present	33.3%	25
Other (please specify)	4.0%	3
answered question		75
skipped question		26

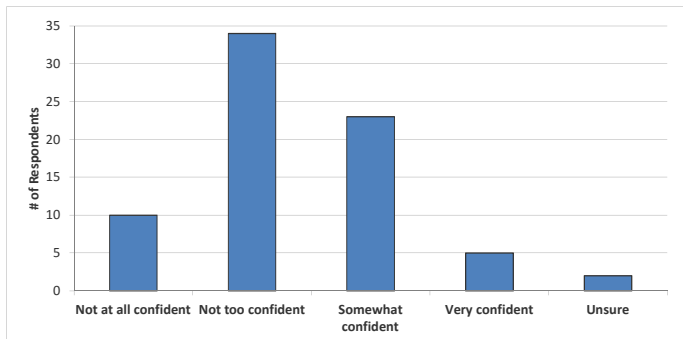


Number "Other" responses

- 1 Not sure
- 2 weeds but not certain which types
- 3 RUSTY CRAYFISH

26. How confident are you that you could identify an aquatic invasive species in your lake?

Answer Options	Not at all confident	Not too confident	Somewhat confident	Very confident	Unsure	Response Count
	10	34	23	5	2	74
answered question						74
skipped question						27



27. Have you ever taken the time to look for aquatic invasive species in your lake during open water season?

Answer Options	Response Percent	Response Count
Yes, but only a few times each year	39.0%	30
Yes, at least once a month	6.5%	5
Yes, at least once a week	3.9%	3
No	50.7%	39
answered question		77
skipped question		24

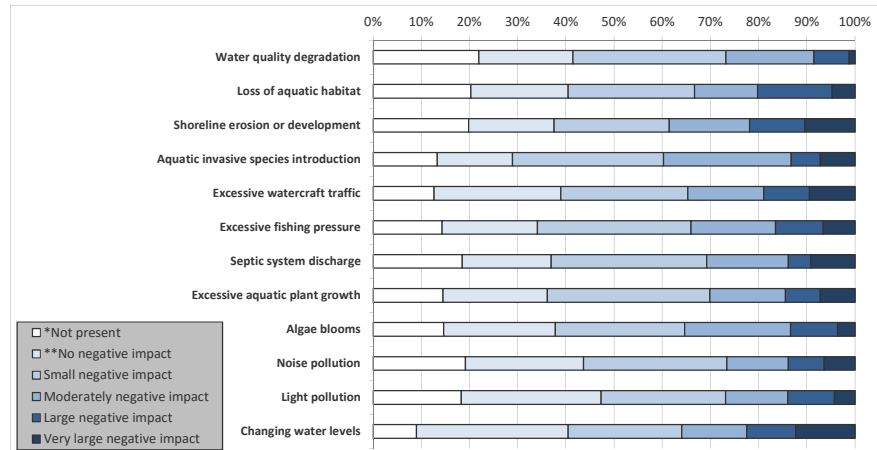
28. To what level do you believe each of the following factors may currently be negatively impacting your lake?

*** Not present means that you believe the issue does not exist on your lake.**

**** No impact means that the issue may exist on your lake but it is not negatively impacting the lake.**

Answer Options	*Not present	**No negative impact	Small negative impact	Moderately negative impact	Large negative impact	Very large negative impact	Unsure: Need more information	Rating Average	Response Count
Water quality degradation	18	16	26	15	6	1	15	0.80	97
Loss of aquatic habitat	17	17	22	11	13	4	13	1.02	97
Shoreline erosion or development	19	17	23	16	11	10	2	1.31	98
Aquatic invasive species introduction	11	13	26	22	5	6	13	1.14	96
Excessive watercraft traffic	12	25	25	15	9	9	2	1.22	97
Excessive fishing pressure	13	18	29	16	9	6	6	1.15	97
Septic system discharge	12	12	21	11	3	6	29	0.81	94
Excessive aquatic plant growth	12	18	28	13	6	6	14	0.99	97
Algae blooms	12	19	22	18	8	3	13	0.99	95
Noise pollution	18	23	28	12	7	6	2	1.01	96
Light pollution	17	27	24	12	9	4	4	0.94	97
Changing water levels	8	28	21	12	9	11	6	1.22	95
Other (please specify)	2	2	1	1	4	8	5	2.04	23
Other (please specify)									15
answered question									99
skipped question									2

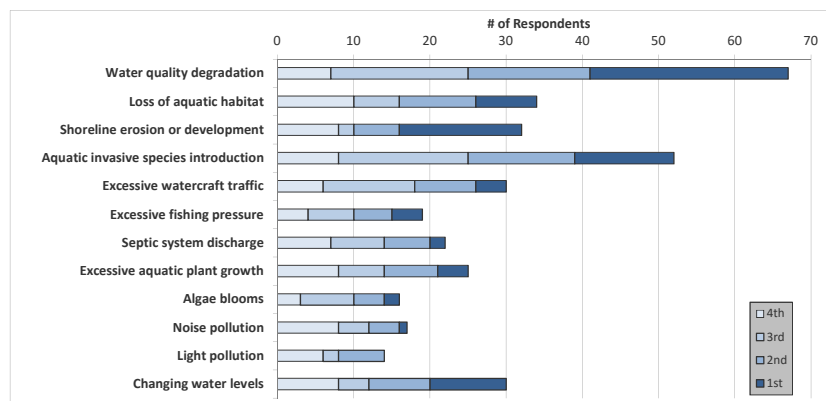
- Number** **Other (please specify)**
- 1 Water level kept too high by dam violating DNR agreement
 - 2 Maintenance of shoreline buffer
 - 3 low water level
 - 4 Spearing done by the Indian Tribe during the early spring spawning season
 - 5 only rusty crayfish NOW
 - 6 While rusty crawfish are invasive, fishing quality improves with an increase in population
 - 7 jet skis , very rude fishermen and other watercraft, to many people fertilizing their lawns, and to much trash being seen.
 - 8 water levels are too high causing shoreline erosion.
 - 9 yard fertilizer/bug sprays
 - 10 Too much spearing depletes breeders
 - 11 Channel depth
 - 12 rude boaters interfering with loon, duck, wild life on the chain.
 - 13 Watercraft speeds killing wildlife (turtles).
 - 14 Indian Spearing of Walleyes
 - 15 Ignorant use of PWCs near shores and weedbeds



29. From the list below, please rank your top four concerns regarding your lake, with 1 being your greatest concern.

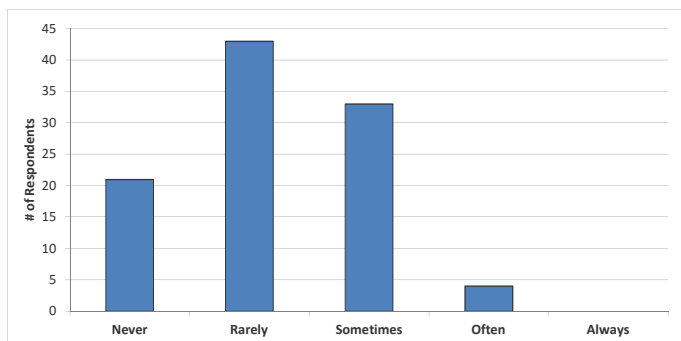
Answer Options	1st	2nd	3rd	4th	Response Count
Water quality degradation	26	16	18	7	67
Loss of aquatic habitat	8	10	6	10	34
Shoreline erosion or development	16	6	2	8	32
Aquatic invasive species introduction	13	14	17	8	52
Excessive watercraft traffic	4	8	12	6	30
Excessive fishing pressure	4	5	6	4	19
Septic system discharge	2	6	7	7	22
Excessive aquatic plant growth	4	7	6	8	25
Algae blooms	2	4	7	3	16
Noise pollution	1	4	4	8	17
Light pollution	0	6	2	6	14
Changing water levels	10	8	4	8	30
Other (please specify)	5	1	1	1	8
answered question					95
skipped question					6

- Number "Other" responses**
- 1 spearing
 - 2 Maintenance of shoreline buffer
 - 3 Spearing of spawning walleye in early spring
 - 4 Too many B.S. regulations ie "LIGHT POLLUTION"
 - 5 Irritating neighbors
 - 6 attempting to remove rusty crawfish
 - 7 the water level needs to lower, high water causing erosion.
 - 8 All of the above
 - 8 Spearing depletes fish reducing size and amount of fish
 - 8 Degraded Walleye Fishing is #1
 - 8 Too many walleyes so they are stunted



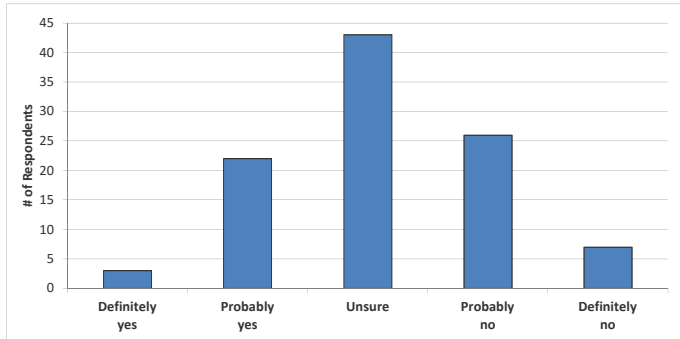
30. During open water season how often does aquatic plant growth, including algae, negatively impact your enjoyment of your lake?

Answer Options	Never	Rarely	Sometimes	Often	Always	Response Count
	21	43	33	4	0	101
answered question						101
skipped question						0



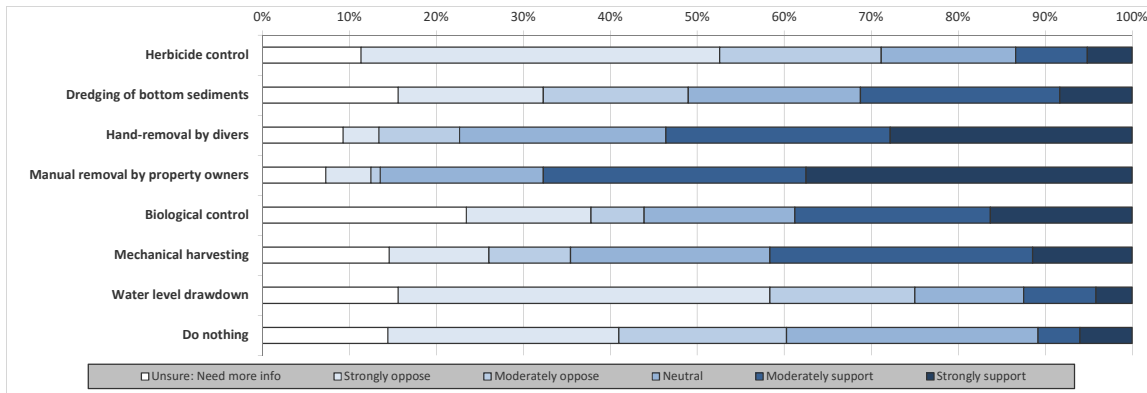
31. Considering your answer to the question above, do you believe aquatic plant control is needed on your lake?

Answer Options	Definitely yes	Probably yes	Unsure	Probably no	Definitely no	Response Count	
	3	22	43	26	7	101	
						answered question	101
						skipped question	0



32. Aquatic plants can be managed using many techniques. Please tell us if you oppose or support the *responsible* use of the following techniques on your lake.

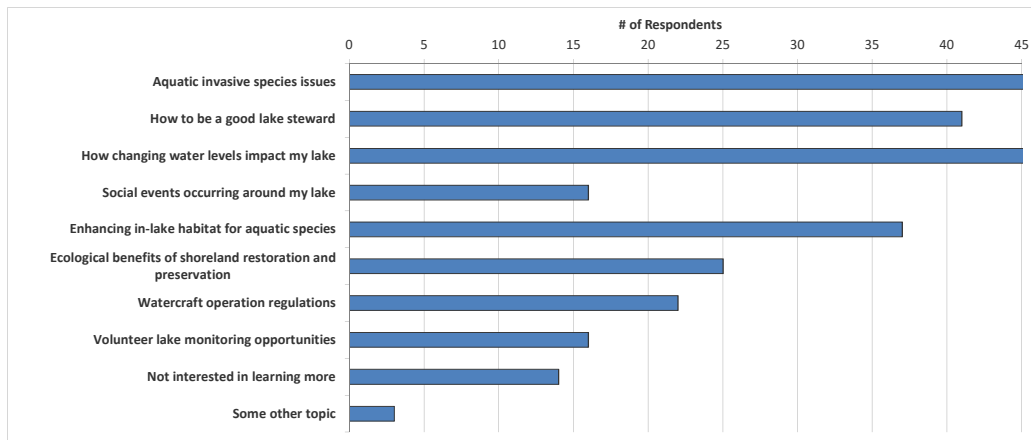
Answer Options	Strongly oppose	Moderately oppose	Neutral	Moderately support	Strongly support	Unsure: Need more info	Rating Average	Response Count	
Herbicide (chemical) control	40	18	15	8	5	11	1.84	97	
Dredging of bottom sediments	16	16	19	22	8	15	2.43	96	
Hand-removal by divers	4	9	23	25	27	9	3.36	97	
Manual removal by property owners	5	1	18	29	36	7	3.72	96	
Biological control (milfoil weevil, loosestrife beetle, etc)	14	6	17	22	16	23	2.50	98	
Mechanical harvesting	11	9	22	29	11	14	2.77	96	
Water level drawdown	41	16	12	8	4	15	1.68	96	
Do nothing (do not manage plants)	22	16	24	4	5	12	2.01	83	
								answered question	99
								skipped question	2



33. Stakeholder education is an important component of every lake management planning effort. Which of these subjects would you like to learn more about?

Answer Options	Response Percent	Response Count
Aquatic invasive species issues	50.5%	48
How to be a good lake steward	43.2%	41
How changing water levels impact my lake	57.9%	55
Social events occurring around my lake	16.8%	16
Enhancing in-lake habitat (not shoreland or adjacent wetlands) for aquatic species	39.0%	37
Ecological benefits of shoreland restoration and preservation	26.3%	25
Watercraft operation regulations – lake specific, local and statewide	23.2%	22
Volunteer lake monitoring opportunities	16.8%	16
Not interested in learning more on any of these subjects	14.7%	14
Some other topic (please specify)	3.2%	3
answered question		95
skipped question		6

Number	Other (please specify)
1	I would like other people to leave the shoreline as natural as possible
2	How to stop algae bloom
3	Depositing fish cribs



Turtle Lakes Chain Association (TLCA)

34. Before receiving this mailing, had you ever heard of the TLCA?

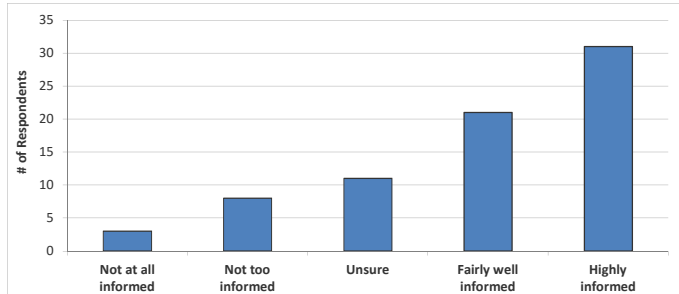
Answer Options	Response Percent	Response Count
Yes	96.0%	96
No	4.0%	4
answered question		100
skipped question		1

35. What is your membership status with the TLCA?

Answer Options	Response Percent	Response Count
Current member	55.9%	52
Former member	21.5%	20
Never been a member	22.6%	21
answered question		93
skipped question		8

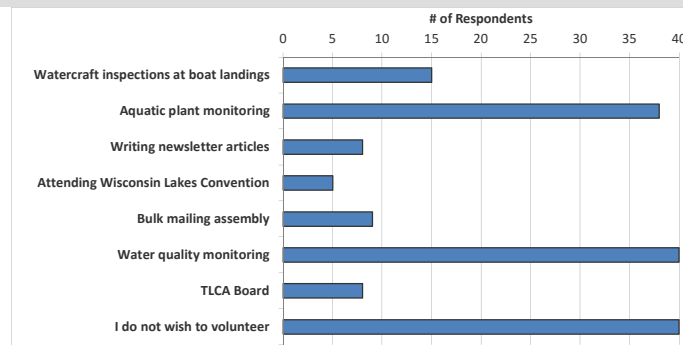
36. How informed has (or had) the TLCA kept you regarding issues with your lake and its management?

Answer Options	Not at all informed	Not too informed	Unsure	Fairly well informed	Highly informed	Response Count
	3	8	11	21	31	74
<i>answered question</i>						74
<i>skipped question</i>						27



37. The effective management of your lake will require the cooperative efforts of numerous volunteers. Please circle the activities you would be willing to participate in if the TLCA requires additional assistance.

Answer Options	Response Percent	Response Count
Watercraft inspections at boat landings	15.6%	15
Aquatic plant monitoring	39.6%	38
Writing newsletter articles	8.3%	8
Attending Wisconsin Lakes Convention	5.2%	5
Bulk mailing assembly	9.4%	9
Water quality monitoring	41.7%	40
TLCA Board	8.3%	8
I do not wish to volunteer	41.7%	40
<i>answered question</i>		96
<i>skipped question</i>		5



38. Please feel free to provide written comments concerning your lake, its current and/or historic condition and its management.

Answer Options	Response Count
	42
<i>answered question</i>	42
<i>skipped question</i>	59

Number	Response Text
1	Currently not able to use our property as much as we had previously due to health issues
2	Because of my age and physical difficulties I have not been able to volunteer for many of the TLCA water management activities. I do attend the yearly meeting and I feel the board has done an excellent job in informing us about the lake.
3	I believe education is the key to sustaining our lakes. Keep dollars going towards mailings, local newspapers, TLCA/Lake Link/and other types of outdoors websites, and state wide campaigns to encourage proper ecological practices. Reward those who follow good practices that benefit our lakes.(I know this is a very general statement but there could be tax incentives as one example). However, I feel very strongly that property owners are the ones who ultimately should decide how they want to use their property. I also wanted to add a footnote to question #19 and any other questions regarding water quality. I believe our water quality is very poor when you consider the mercury warnings for fish consumption on most Wisconsin lakes. I did not take this into account, when answering the questions in this survey.
4	Shoreline erosion has been a primary problem around the lake. Water level has been kept high and allowed to rise above agreed to levels when the dam on Turtle River was installed. Repeated calls to the DNR result in no action against the Town who manages the dam. Need to consider motor restrictions on the lake. There's no need for 115hp boats on the lake. Consider no wake zones all along the shoreline to try and prevent further erosion.
5	Please get rid of the "Canada Geese"! We have served in all the areas above for volunteering
6	Maintenance of shoreline buffers and littoral zone coarse woody habitat is critical in the long term health of our lakes...many property owners do not buy in to these concepts.
7	I wish the water level were a couple of inches higher.
8	We love our lake chain and appreciate all that the TLCA is doing to help keep the lakes healthy
9	I do not know the status of my TLCA membership. Do not know who to contact. Library has no info, nor does the Winchester town hall. Have not received a newsletter for two years. Poorly advertised. Also the Rusty Crayfish did a marvelous job of controlling aquatic vegetation, until someone felt them to be too destructive. Now we are examining treatment of aquatic vegetation. DUH! Time to pull our heads out of our behinds!

Number	Response Text
10	I am concerned about the increase of jet ski operation on the lakes. The volunteer times of operation are not being observed
11	Was told this was a world class musky lake and had amazing walleye fishing. I don't musky fish but ever year we catch less walleye and nothing of great size. I hear the same from many of my friends around the lake. I'd like to see our fishing return to the great stories of catching them off our docks nightly As for noise pollution I have no problem with fire works displays during the week of the fourth but every weekend from the middle of June to august is excessive and being up there all last week 2 nights during the week there were displays from a couple of residences during the week which carried over late into the evening when many of the local people are trying to get some sleep to go to work the next morning. This I believe is totally unexceptable. The weeds on the south end of South Turtle are another issue. Over the last 30 years I have watch the large reed patches we had get smaller and smaller and reced towards the shoreline. They used to project into the lake a good distance and supplied good fish habitat. You can say the ice is totally responsible but My thought is the verying water levels and the increased boat traffic through them going to Lake cabins that At one time would never have been allowed to be built there in the first place. Also because of those residences located there and the many more now on the lake that have to have their well fertilized lawns the submergent vegetation has exploded from the run off. Most of what I see are the same native plants that have always been there but now are being way over fed from all the extra heavily fertilized run off. The same people that were crying for weed cutting when I was a member of the lake association are the same ones that are doing the most fertilizing because they want things to be just like the home they came from in the south. Weed cutting does nothing in the south except destroy what fish habitat we have left and make a small number of water skiers and a couple of property owners happy. the same result would be found if done on the turtle chain. The water skiers seem to do just fine on the rest of the lake. Only issue with that is the increased boat traffic but all boaters have to be aware of each other. I have noticed the fishing for walleyes has dramatically fallen off since the DNR changed the management of the lake from class A walleye to Class A musky. The spearing has taken a large toal of spawning fish as well but of course this is my opinion and for the time being has to be tolerated with a grain of salt. Panfish populations have taken a heavy hit as well but mostly from the heavy fishing pressure. I have to include myself in that. I for one would like to see a smaller bag on the panfish. Maybe drop the limit to 15 per day but go further with a 10 inch size limit on crappies. I could except to go as low as 10 per day but 5 such as are on some other lakes is foolish and most people would fish else where and hurt any of the resort and rental properties on the lakes.
12	I have not noticed much difference in the quality of the lake or its aquatic flora and fauna except for the crayfish, the control of which I believe is very important based on what I've seen in other lakes.
13	Navigational hazards need better marking on all three lakes. Lake users need to be better educated regarding boating close to piers, etc. We have a problem on priest point with boats coming way too close to our shoreline and pier, placing swimmers and dogs at risk, damaging the shoreline and pounding our boats at the dock. Thank you!
14	Our lake appears to have better quality than other lakes we have seen in our travels.
15	In the process of phase 3 of lake management studies
16	I have been on this chain in some capacity for over 50 years. while the fishing quality has gradually declined over the years, I noticed significant improvement during 16 years when rusty crawfish were abundant. When we have crawfish trapping programs, the fishing drops off significantly and water quality seems to deteriorate. PLEASE don't push that program.
17	I feel "and not to get political " The turtle lake chain has gradually degraded due to jet skis , rude musky and bass fisherman , loud stereos . Over 55 years i have noticed plant and algae growth growing exponentially due to everyone fertilizing lawns. Phosphate free does not help this situation at all. Nitrogen is nitrogen case closed. In the last few years i can absolutely with no doubt tell you since the u-line lady has moved in and destroyed the whole manitowish waters area things have become worse and getting worse at a faster rate. 17 Make sure you realize one has to set aside politics and money with her destroying the winchester area. Between garbage being thrown out on north turtle drive , gas from boats being stolen , rude out of town people on vacation, the land up rooted you name it. This is something winchester has to keep OUT !! Among the things on the survey this is one of the biggest negative impacts i have seen in 55 years. Rumor has it she is going to buy the wilderness and i KNOW that will be a major negative impact. I would rather have my taxes doubled than let her do anything in the town of winchester. The historic condition is important and should stay that way !! We do not need to end up like another Minocqua. Manitowish waters is already headed that way !!
18	water levels are too high causing too much shoreline damage.
19	Our property is on Rock Lake in a bay. It was always to our knowledge that the bay had a no wake by boats and other motorcraft that people needed to follow. Within the last year or so we have notice speedboats, jet skiers, and pontoon boats not abiding by this rule. I'm not sure because there are new property owners and also kids with the jet ski's unaware of the no wake. This is eroding our shoreline.
20	Thanks for all the Lake Association does.
21	I am pleased that we have an active lake association. It is difficult for us to be active, so I appreciate all that our association does for the lake community.
22	Re: No 28, No 29, and No 32 All points covered have the potential to effect the 3 lakes and water quality. Not possessing a scientific background, I must yield to someone who does. We all have read or seen stories concerning these issues which have (due to negligence/carelessness or total disregard of others interests) created a situation that potentially produce big problems. (witness the seaways effect on Lake Michigan's health and Chicago and the carp, these can be irreversible). Living in Milwaukee, I have to cede to others the right to address these problems. A broad approach based on research and observation can be a successful possibility and by virtue of what is indicated in this survey. A lot has been put on the table. At this point, my contribution is moral support and belief in TCLA's charter and stewardship goals.
23	We have lost nearly 2 feet of shoreline at various points along our property over the past 22 years. Shoreline material appears to be layering out making area adjacent to edge of water more shallow and thus less productive for fish and fishing(especially with lower summer water levels). We have seen a significant decrease in walleye, smallmouth bass and northern pike but have seen an increase in panfish and now largemouth bass.
24	Septic inspection system is inadequate. County should REQUIRE septic pumping every 2 years.
25	remarkably good condition, but we can't wait to start acting, especially since the dnr no longer has scientists, and the state has interfered with local zoning.
26	I wish to thank all members and members of the Board of the TLCA for their work.
27	I am in my 80s and consider my cabin built in 1922 with spectacular view and my favorite place in ALL USA. Granted it was better back in the 50s but time marches on
28	I am most concerned about the amount of aquatic plant life in our lake , noting the significant increase over the years, resulting in the effect of our swimming and skiing areas.
29	Here over 50 years, not much real change
30	One thing not addressed is burning barrels

Number	Response Text
31	<p>Fishing quality has degraded over the past several years. There have been occasions of going several days of fishing without a fish bite or catch. This was not the case several years ago where bag limits could be reached.</p> <p>Water level variation has created unpredictability when navigating the channel with boats with deeper drafts. Dredging the middle of the channel by a foot to allow for easier access to rock lake would make the lake far more enjoyable for all.</p>
32	I tested the lake for the DNR for 16 years and could not get anyone from the tlca to help !
33	We love the Turtle Lakes. It is a nice environment for kids and families. I'd like to encourage more family activities and fewer drinking activities.
34	I have been an active member of TLCA since it's beginnings and I am currently involved.
35	love sand bar
36	Thanks for the opportunity to participate.
37	The biggest problem on the Turtle Chain right now is a small handful of people are trying to change the chain to what they feel is "right". There should be less do as I say, and more do as I do.
38	The water levels need to be RAISED NOT lowered, the lake is too low now. Most residents want the level left alone or raised but there is an effort by a few, who don't care about the lake residents, who continually push to lower the lake levels against the vast majority of the lake residents.
39	no wake distances from shorelines need to be better posted and followed.
40	The fishing on the chain has drastically degraded in the last 16 years. Muskie and Walleye specifically. I think the Lake Association should be supplement the DNR's stocking program. I would be willing to help with this and would fully support it.
41	<p>There is NO QUESTION that spearing and the high release rate of musky fishermen, along with discourteous boaters and jet-skiers has hurt the walleye fishery. It may never come back to what it was even 10-12 yrs. ago, and before that. The walleye fishery is what brought fishing families and vacationers to the lake chain. Not any more. Now it's rude, fast musky fishermen, jet skiers and people running boats that have absolutely no clue what they are doing. These lake users are what the DNR and restaurant owners apparently want. Along with snowmobilers, of course. The rest of us no longer exist in their eyes. I don't know if the lake association can do anything about the walleye disappearance, or if they even want to.</p>
42	Mike is doing a great job as pres of the association

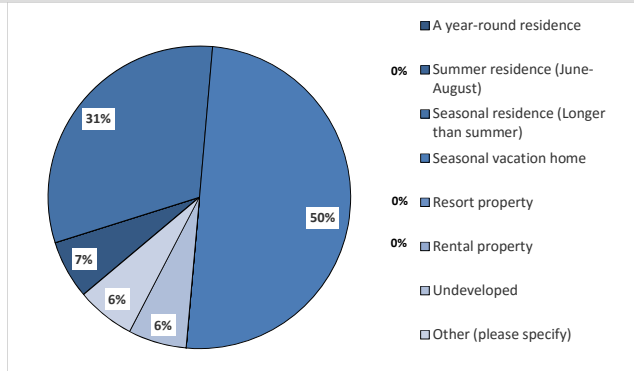
Circle Lily Lake - Anonymous Stakeholder Survey

Surveys Distributed: 30
Surveys Returned: 16
Response Rate: 53%

Circle Lily Lake Property

1. How is your property on Circle Lily Lake utilized?

Answer Options	Response Percent	Response Count
A year-round residence	6.3%	1
Summer residence (June-August)	0.0%	0
Seasonal residence (Longer than summer)	31.3%	5
Seasonal vacation home	50.0%	8
Resort property	0.0%	0
Rental property	0.0%	0
Undeveloped	6.3%	1
Other (please specify)	6.3%	1
answered question		16
skipped question		0

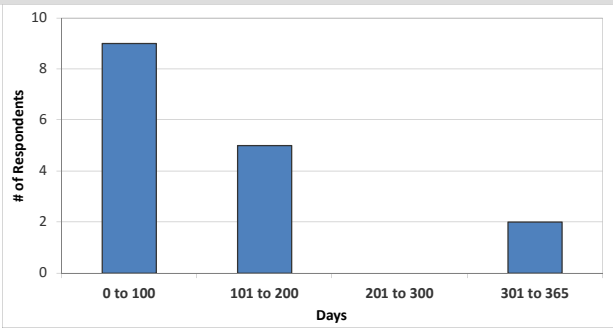


Number	Other (please specify)
1	year-round vacation home

2. How many days each year is your property used by you or others?

Answer Options	Response Count
answered question	
16	
skipped question	
0	

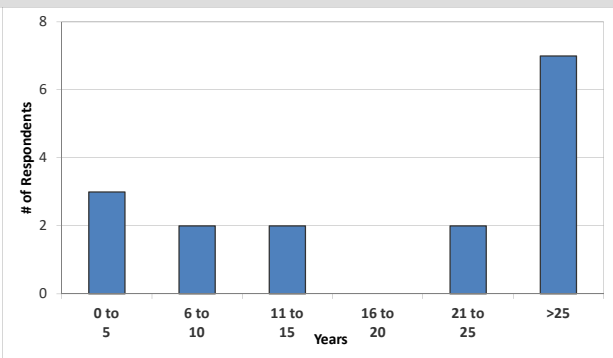
Category (# of days)	Responses	%
0 to 100	9	56%
101 to 200	5	31%
201 to 300	0	0%
301 to 365	2	13%



3. How long have you owned your property on Circle Lily Lake?

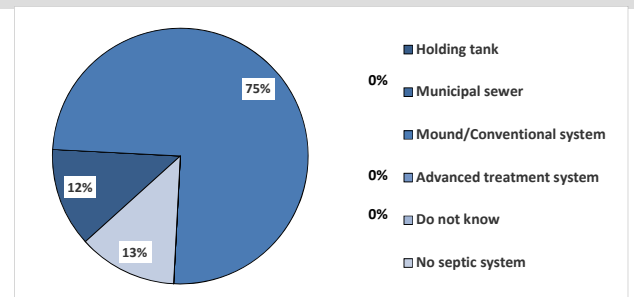
Answer Options	Response Count
answered question	
16	
skipped question	
0	

Category (# of years)	Responses	% Response
0 to 5	3	19%
6 to 10	2	13%
11 to 15	2	13%
16 to 20	0	0%
21 to 25	2	13%
>25	7	44%



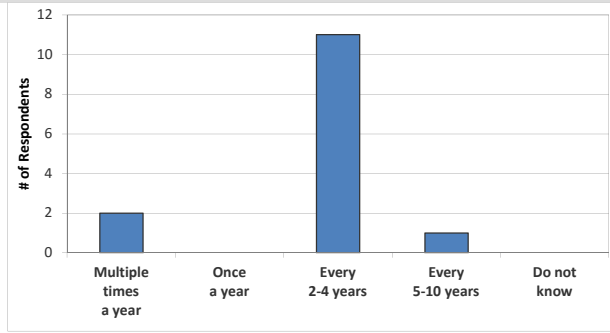
4. What type of septic system does your property utilize?

Answer Options	Response Percent	Response Count
Holding tank	12.5%	2
Municipal sewer	0.0%	0
Mound/Conventional system	75.0%	12
Advanced treatment system	0.0%	0
Do not know	0.0%	0
No septic system	12.5%	2
answered question		16
skipped question		0



5. How often is the septic system on your property pumped?

Answer Options	Response Percent	Response Count
Multiple times a year	14.3%	2
Once a year	0.0%	0
Every 2-4 years	78.6%	11
Every 5-10 years	7.1%	1
Do not know	0.0%	0
answered question		14
skipped question		2

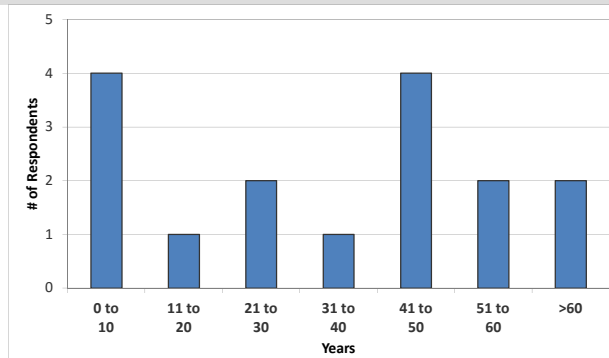


Recreational Activity on Circle Lily Lake

6. How many years ago did you first visit Circle Lily Lake?

Answer Options	Response Count
16	
answered question	16
skipped question	0

Category (# of days)	Responses	% Response
0 to 10	4	25%
11 to 20	1	6%
21 to 30	2	13%
31 to 40	1	6%
41 to 50	4	25%
51 to 60	2	13%
>60	2	13%

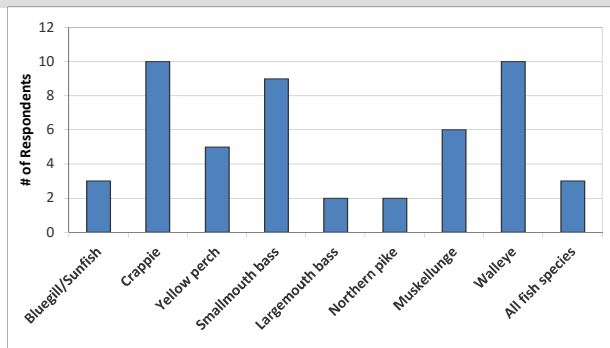


7. Have you personally fished on Circle Lily Lake in the past three years?

Answer Options	Response Percent	Response Count
Yes	86.7%	13
No	13.3%	2
answered question		15
skipped question		1

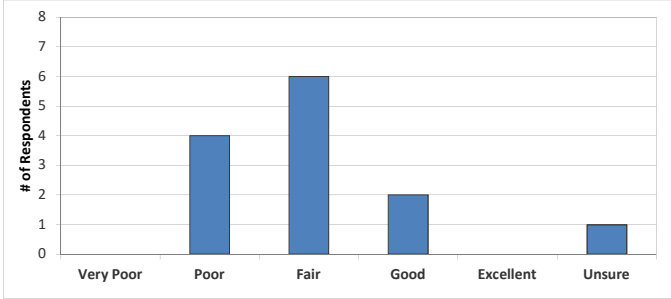
8. What species of fish do you like to catch on Circle Lily Lake?

Answer Options	Response Percent	Response Count
Bluegill/Sunfish	23.1%	3
Crappie	76.9%	10
Yellow perch	38.5%	5
Smallmouth bass	69.2%	9
Largemouth bass	15.4%	2
Northern pike	15.4%	2
Muskellunge	46.2%	6
Walleye	76.9%	10
All fish species	23.1%	3
Other (please specify)	0.0%	0
answered question		13
skipped question		3



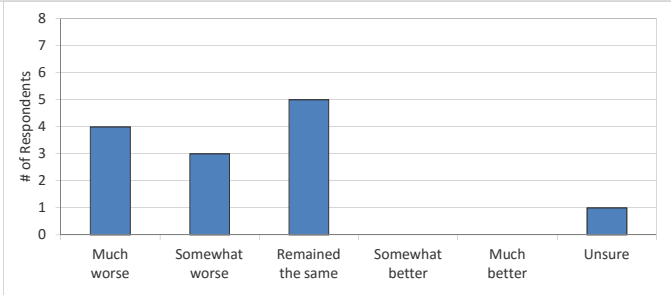
9. How would you describe the current quality of fishing on Circle Lily Lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count	
	0	4	6	2	0	1	13	
							answered question	13
							skipped question	3



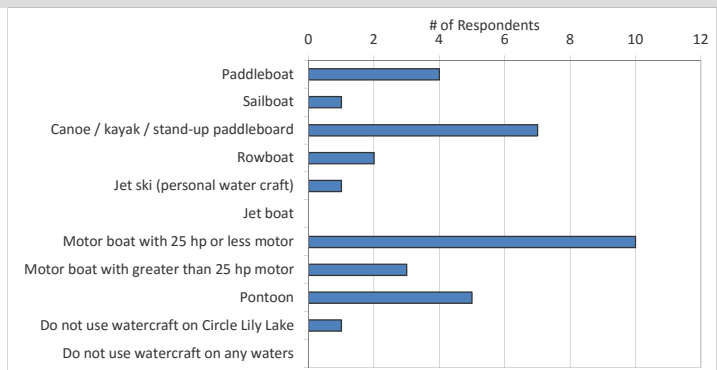
10. How has the quality of fishing changed on Circle Lily Lake since you have started fishing the lake?

Answer Options	Much worse	Somewhat worse	Remained the same	Somewhat better	Much better	Unsure	Response Count	
	4	3	5	0	0	1	13	
							answered question	13
							skipped question	3



11. What types of watercraft do you currently use on Circle Lily Lake?

Answer Options	Response Percent	Response Count	
Paddleboat	26.7%	4	
Sailboat	6.7%	1	
Canoe / kayak / stand-up paddleboard	46.7%	7	
Rowboat	13.3%	2	
Jet ski (personal water craft)	6.7%	1	
Jet boat	0.0%	0	
Motor boat with 25 hp or less motor	66.7%	10	
Motor boat with greater than 25 hp motor	20.0%	3	
Pontoon	33.3%	5	
Do not use watercraft on Circle Lily Lake	6.7%	1	
Do not use watercraft on any waters	0.0%	0	
		answered question	15
		skipped question	1



12. Do you use your watercraft on waters other than Circle Lily Lake?

Answer Options	Response Percent	Response Count	
Yes	46.7%	7	
No	53.3%	8	
		answered question	15
		skipped question	1

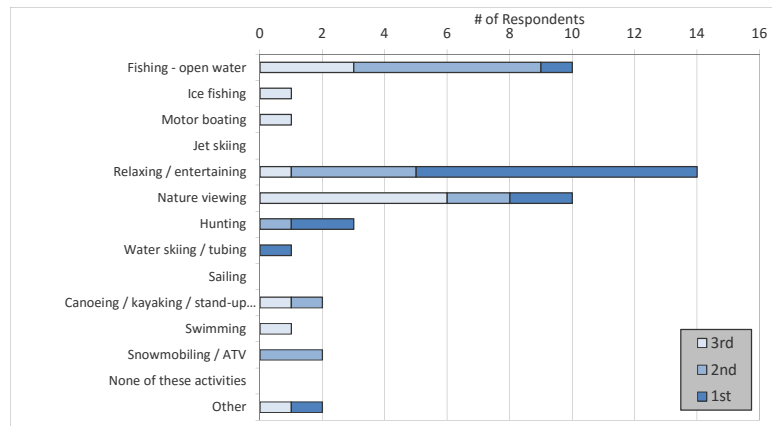
13. What is your typical cleaning routine after using your watercraft on waters other than Circle Lily Lake?

Answer Options	Response Percent	Response Count
Remove aquatic hitch-hikers (ex. - plant material, clams, mussels)	71.4%	5
Drain bilge	42.9%	3
Rinse boat	28.6%	2
Power wash boat	14.3%	1
Apply bleach	0.0%	0
Air dry boat for 5 or more days	57.1%	4
Do not clean boat	0.0%	0
Other (please specify)	0.0%	0
answered question		7
skipped question		9

14. For the list below, rank up to three activities that are important reasons for owning your property on Circle Lily Lake, with 1 being the most important.

Answer Options	1st	2nd	3rd	Rating Average	Response Count
Fishing - open water	1	6	3	2.2	10
Ice fishing	0	0	1	3	1
Motor boating	0	0	1	3	1
Jet skiing	0	0	0	0	0
Relaxing / entertaining	9	4	1	1.43	14
Nature viewing	2	2	6	2.4	10
Hunting	2	1	0	1.33	3
Water skiing / tubing	1	0	0	1	1
Sailing	0	0	0	0	0
Canoeing / kayaking / stand-up paddleboard	0	1	1	2.5	2
Swimming	0	0	1	3	1
Snowmobiling / ATV	0	2	0	2	2
None of these activities are important to me	0	0	0	0	0
Other (please specify below)	1	0	1	2	2
answered question					16
skipped question					0

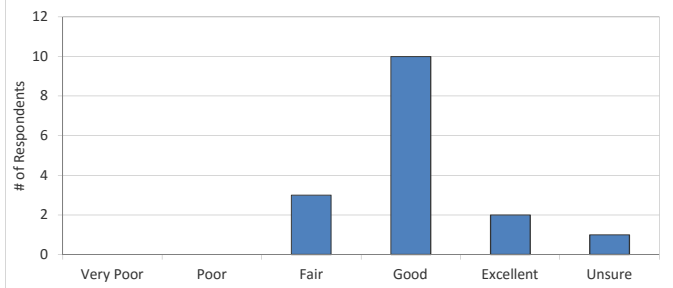
Number	"Other" responses
1	biking
2	Family tradition



Circle Lily Lake Current and Historic Condition, Health and Management

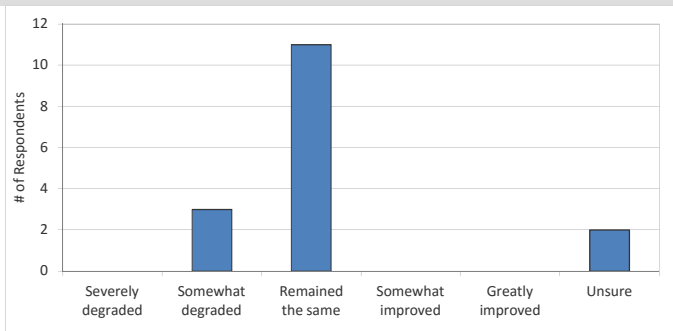
15. How would you describe the overall current water quality of Circle Lily Lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count
	0	0	3	10	2	1	16
	answered question						16
	skipped question						0



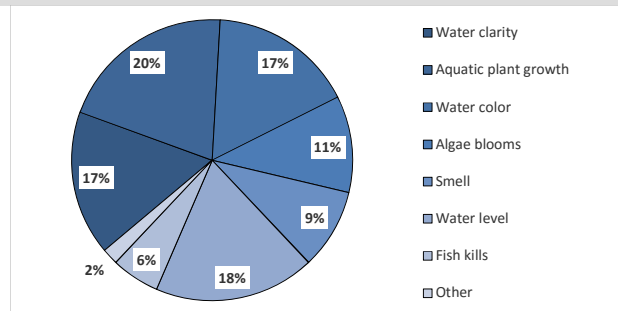
16. How has the overall water quality changed in Circle Lily Lake since you first visited the lake?

Answer Options	Severely degraded	Somewhat degraded	Remained the same	Somewhat improved	Greatly improved	Unsure	Response Count
	0	3	11	0	0	2	16
	answered question						16
	skipped question						0



17. Considering how you answered the questions above, what do you think of when you describe water quality?

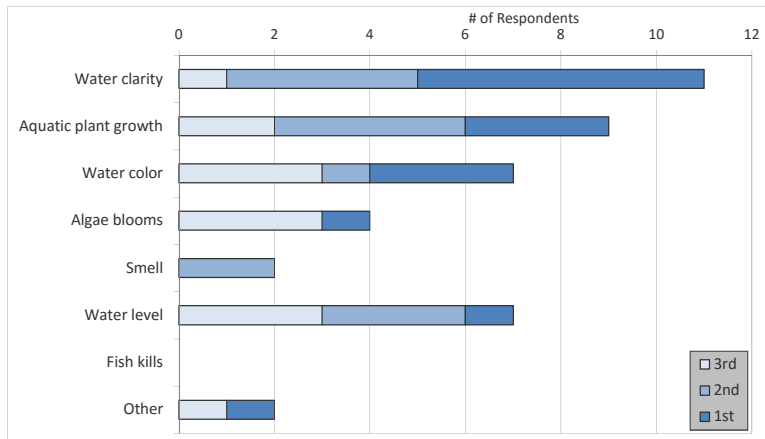
Answer Options	Response Percent	Response Count
Water clarity (clearness of water)	56.3%	9
Aquatic plant growth (not including algae blooms)	68.8%	11
Water color	56.3%	9
Algae blooms	37.5%	6
Smell	31.3%	5
Water level	62.5%	10
Fish kills	18.8%	3
Other (please specify)	6.3%	1
	answered question	
	16	
	skipped question	
	0	



Number	Other (please specify)
1	presence of frogs

18. Based your answer above, please rank the top three ways you describe water quality on Circle Lily Lake, with 1 being the most important.

Answer Options	1st	2nd	3rd	Rating Average	Response Count
Water clarity (clearness of water)	6	4	1	1.55	11
Aquatic plant growth (not including algae blooms)	3	4	2	1.89	9
Water color	3	1	3	2	7
Algae blooms	1	0	3	2.5	4
Smell	0	2	0	2	2
Water level	1	3	3	2.29	7
Fish kills	0	0	0	0	0
Other (please specify below)	1	0	1	2	2
answered question					15
skipped question					1



19. Before reading the statement above, had you ever heard of aquatic invasive species?

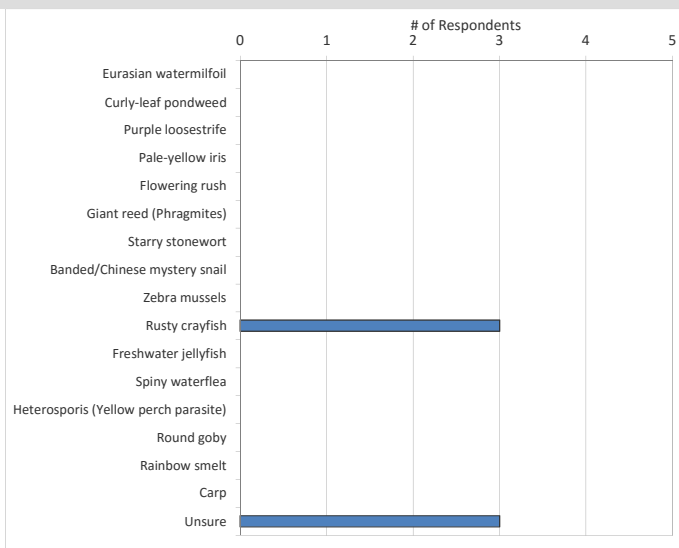
Answer Options	Response Percent	Response Count
Yes	100.0%	15
No	0.0%	0
answered question		15
skipped question		1

20. Do you believe aquatic invasive species are present within Circle Lily Lake?

Answer Options	Response Percent	Response Count
Yes	6.7%	1
I think so but am not certain	33.3%	5
No	60.0%	9
answered question		15
skipped question		1

21. Which aquatic invasive species do you believe are in Circle Lily Lake?

Answer Options	Response Percent	Response Count
Eurasian watermilfoil	0.0%	0
Curly-leaf pondweed	0.0%	0
Purple loosestrife	0.0%	0
Pale-yellow iris	0.0%	0
Flowering rush	0.0%	0
Giant reed (Phragmites)	0.0%	0
Starry stonewort	0.0%	0
Banded/Chinese mystery snail	0.0%	0
Zebra mussels	0.0%	0
Rusty crayfish	50.0%	3
Freshwater jellyfish	0.0%	0
Spiny waterflea	0.0%	0
Heterosporis (Yellow perch parasite)	0.0%	0
Round goby	0.0%	0
Rainbow smelt	0.0%	0
Carp	0.0%	0
Unsure but presume AIS to be present	50.0%	3
Other (please specify)	0.0%	0
answered question		6
skipped question		10

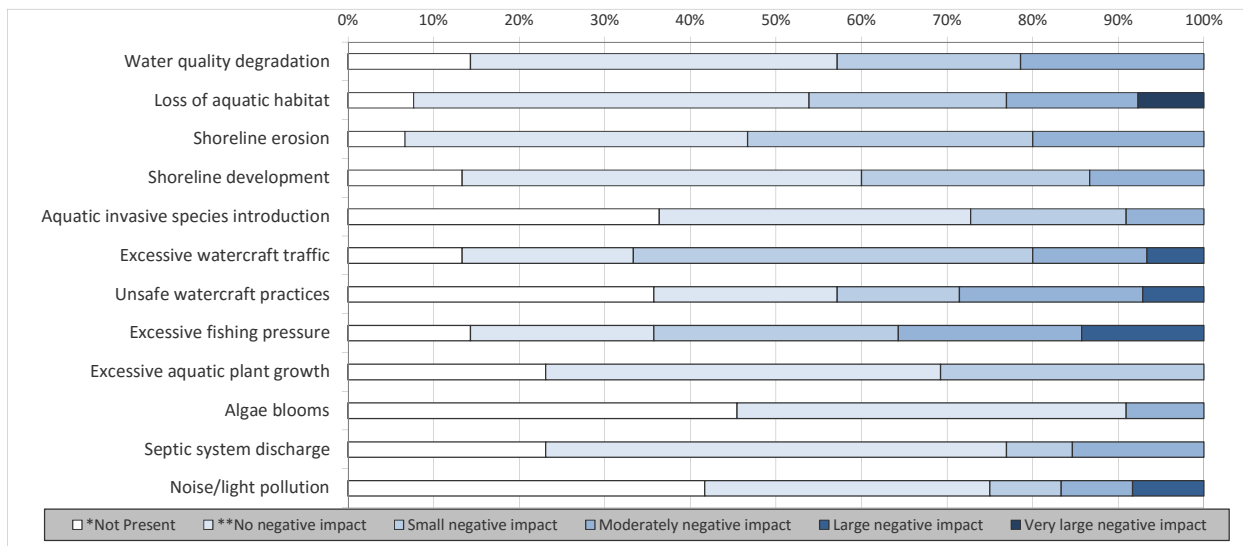


22. To what level do you believe each of the following factors may currently be negatively impacting Circle Lily Lake?

* Not Present means that you believe the issue does not exist on Circle Lily Lake.

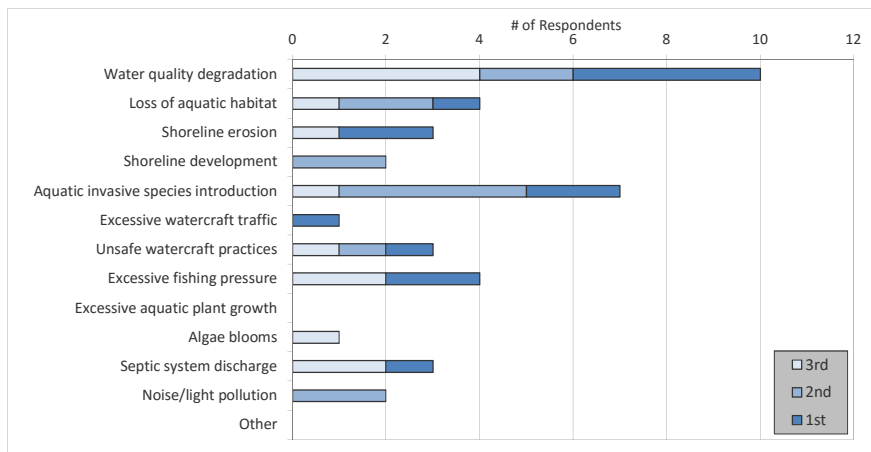
** No Impact means that the issue may exist on Circle Lily Lake but it is not negatively impacting the lake.

Answer Options	*Not Present	**No negative impact	Small negative impact	Moderately negative impact	Large negative impact	Very large negative impact	Unsure: Need more information	Rating Average	Response Count
Water quality degradation	2	6	3	3	0	0	2	0.56	16
Loss of aquatic habitat	1	6	3	2	0	1	3	0.69	16
Shoreline erosion	1	6	5	3	0	0	1	0.69	16
Shoreline development	2	7	4	2	0	0	1	0.50	16
Aquatic invasive species introduction	4	4	2	1	0	0	5	0.25	16
Excessive watercraft traffic	2	3	7	2	1	0	1	0.88	16
Unsafe watercraft practices	5	3	2	3	1	0	2	0.69	16
Excessive fishing pressure	2	3	4	3	2	0	2	1.00	16
Excessive aquatic plant growth (excluding algae)	3	6	4	0	0	0	3	0.25	16
Algae blooms	5	5	0	1	0	0	4	0.13	15
Septic system discharge	3	7	1	2	0	0	3	0.31	16
Noise/light pollution	5	4	1	1	1	0	3	0.40	15
Other (please specify)									0
answered question									16
skipped question									0



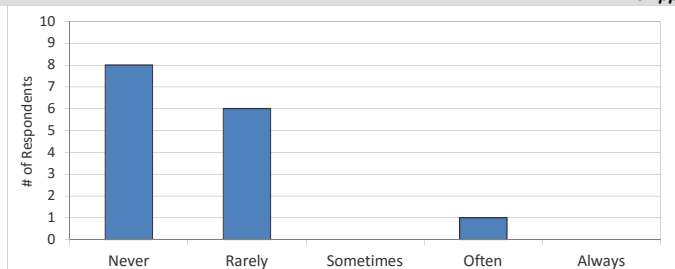
23. From the list below, please rank your top three concerns regarding Circle Lily Lake, with 1 being your greatest concern.

Answer Options	1st	2nd	3rd	Response Count
Water quality degradation	4	2	4	10
Loss of aquatic habitat	1	2	1	4
Shoreline erosion	2	0	1	3
Shoreline development	0	2	0	2
Aquatic invasive species introduction	2	4	1	7
Excessive watercraft traffic	1	0	0	1
Unsafe watercraft practices	1	1	1	3
Excessive fishing pressure	2	0	2	4
Excessive aquatic plant growth (excluding algae)	0	0	0	0
Algae blooms	0	0	1	1
Septic system discharge	1	0	2	3
Noise/light pollution	0	2	0	2
Other (please specify)	0	0	0	0
answered question				14
skipped question				2



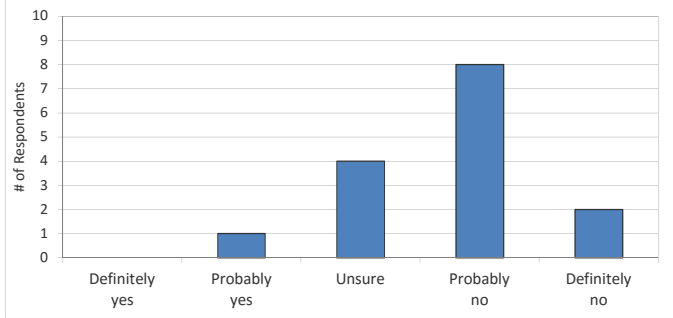
24. During open water season how often does aquatic plant growth, including algae, negatively impact your enjoyment of Circle Lily Lake?

Answer Options	Never	Rarely	Sometimes	Often	Always	Response Count
	8	6	0	1	0	15
answered question						15
skipped question						1



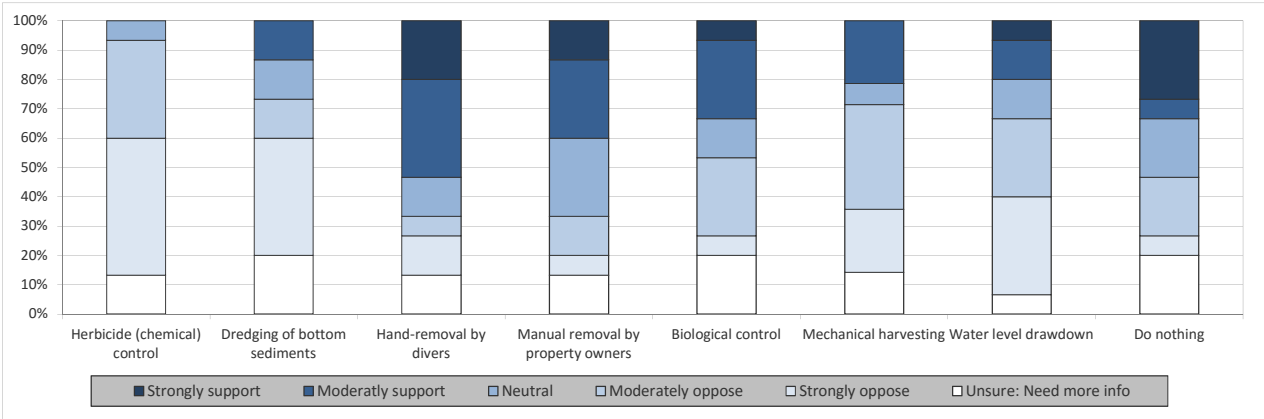
25. Considering your answer to the question above, do you believe aquatic plant control is needed on Circle Lily Lake?

Answer Options	Definitely yes	Probably yes	Unsure	Probably no	Definitely no	Response Count	
	0	1	4	8	2	15	
						answered question	15
						skipped question	1



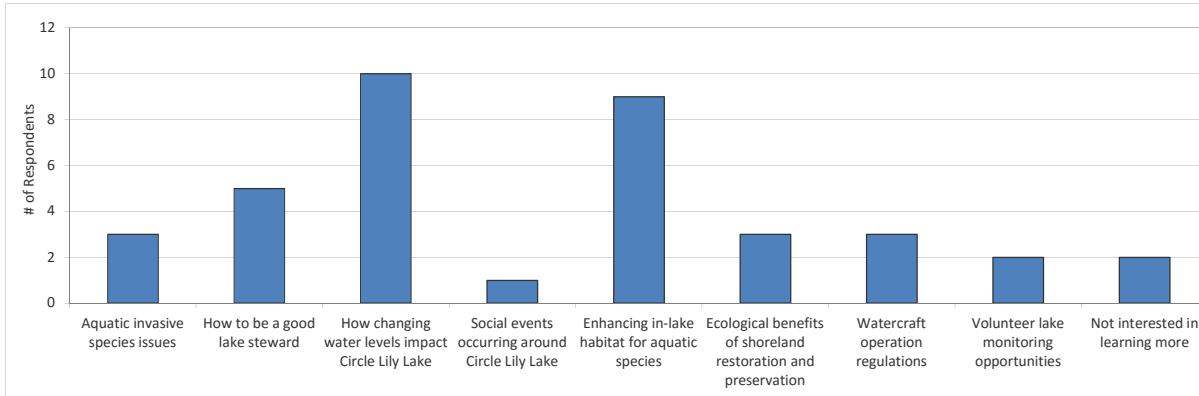
26. Aquatic plants can be managed using many techniques. What is your level of support for the responsible use of the following techniques on Circle Lily Lake?

Answer Options	Strongly oppose	Moderately oppose	Neutral	Moderately support	Strongly support	Unsure: Need more info	Rating Average	Response Count	
Herbicide (chemical) control	7	5	1	0	0	2	1.33	15	
Dredging of bottom sediments	6	2	2	2	0	3	1.6	15	
Hand-removal by divers	2	1	2	5	3	2	3	15	
Manual removal by property owners	1	2	4	4	2	2	2.87	15	
Biological control (milfoil weevil, loosestrife beetle, etc)	1	4	2	4	1	3	2.4	15	
Mechanical harvesting	3	5	1	3	0	2	2	14	
Water level drawdown	5	4	2	2	1	1	2.13	15	
Do nothing (do not manage plants)	1	3	3	1	4	3	2.67	15	
								answered question	15
								skipped question	1



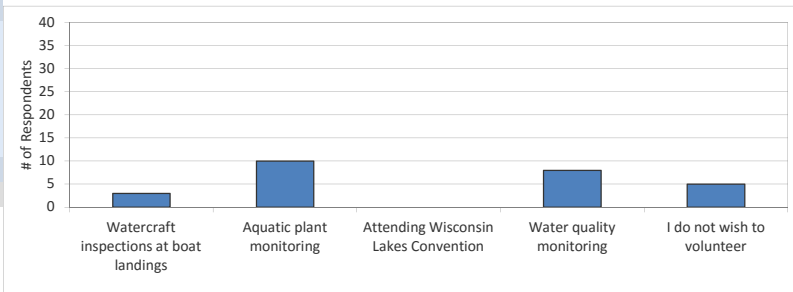
27. Stakeholder education is an important component of every lake management planning effort. Which of these subjects would you like to learn more about?

Answer Options	Response Percent	Response Count
Aquatic invasive species impacts, means of transport, identification, control options, etc.	20.0%	3
How to be a good lake steward	33.3%	5
How changing water levels impact Circle Lily Lake	66.7%	10
Social events occurring around Circle Lily Lake	6.7%	1
Enhancing in-lake habitat (not shoreland or adjacent wetlands) for aquatic species	60.0%	9
Ecological benefits of shoreland restoration and preservation	20.0%	3
Watercraft operation regulations – lake specific, local and statewide	20.0%	3
Volunteer lake monitoring opportunities (Clean Boats Clean Waters, Citizens Lake Monitoring Network, Loon Watch, etc.)	13.3%	2
Not interested in learning more on any of these subjects	13.3%	2
Some other topic (please specify)	0.0%	0
answered question		15
skipped question		1



28. The effective management of your lake will require the cooperative efforts of numerous volunteers. Please select all the activities you would be willing to participate in.

Answer Options	Response Percent	Response Count
Watercraft inspections at boat landings	18.8%	3
Aquatic plant monitoring	62.5%	10
Attending Wisconsin Lakes Convention	0.0%	0
Water quality monitoring	50.0%	8
I do not wish to volunteer	31.3%	5
answered question		16
skipped question		0



29. Please feel free to provide written comments concerning Circle Lily Lake, its current and/or historic condition and its management.

Answer Options	Response Count
	6
answered question	6
skipped question	10

Number	Response Text
1	Lake has been very stable for 50 plus years, although bottom rooted vegetation has increased - likely from run off or poor sewerage practices. PWC operation within 200 feet of the shoreline is an ongoing problem, and has disrupted loon nesting, besides being a noise problem and dangerous.
2	lake has normal seasonal water level fluctuations.
3	Jet skis do not follow regulations, often closer than 200ft from shore. Creating some erosion, but also concerned it may impact loon nesting. We have had a pair of loons on the lake every year I've been here, but I have never seen baby loons. What is causing nesting failure every year?
4	love to see fish cribs, and fish sticks incorporated into the program. lack of fish cover is the main problem.
5	We presently are having problems with the lake getting so high due to a lot of rain, but more importantly that the beavers are damming near the culvert, preventing the water from flowing out of the lake. The water is flowing in faster than it is flowing out resulting in our properties being flooded. An additional culvert in the southwest part of the lake should be added to alleviate the problem.
6	It seems the water level in 2018 varied from high to low more than anytime in my experience.

Pardee Lake - Anonymous Stakeholder Survey

Surveys Distributed: 49
Surveys Returned: 20
Response Rate: 41%

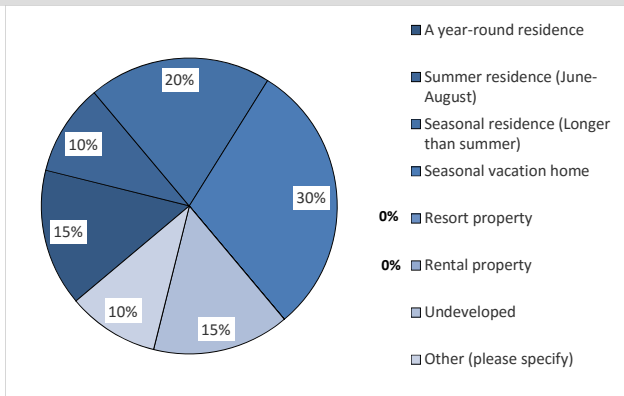
Pardee Lake Property

1. Is your property on the lake or off the lake?

Answer Options	Response Percent	Response Count
On the lake	95.0%	19
Off the lake	5.0%	1
answered question		20
skipped question		0

2. How is your property on or near Pardee Lake utilized?

Answer Options	Response Percent	Response Count
A year-round residence	15.0%	3
Summer residence (June-August)	10.0%	2
Seasonal residence (Longer than summer)	20.0%	4
Seasonal vacation home	30.0%	6
Resort property	0.0%	0
Rental property	0.0%	0
Undeveloped	15.0%	3
Other (please specify)	10.0%	2
answered question		20
skipped question		0

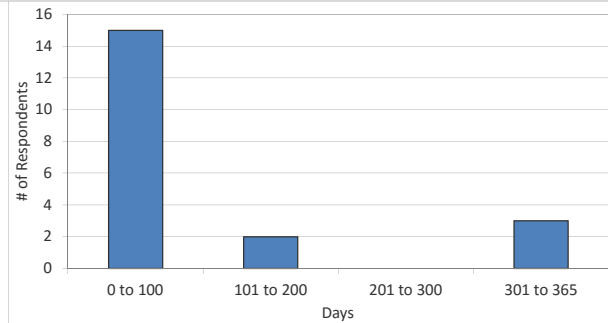


Number	Other (please specify)
1	Off-On Year-Round
2	Fishing, picnicking, recreation

3. How many days each year is your property used by you or others?

Answer Options	Response Count
answered question	
20	
skipped question	
0	

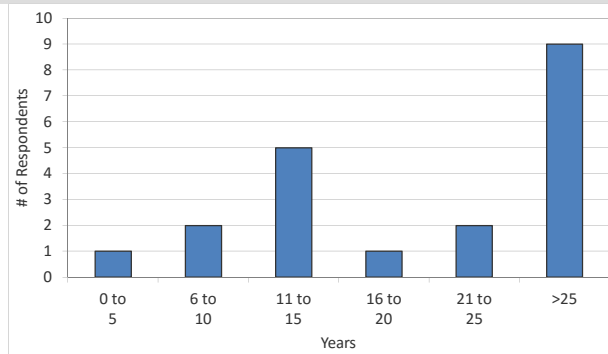
Category (# of days)	Responses	%
0 to 100	15	75%
101 to 200	2	10%
201 to 300	0	0%
301 to 365	3	15%



4. How long have you owned your property on or near Pardee Lake?

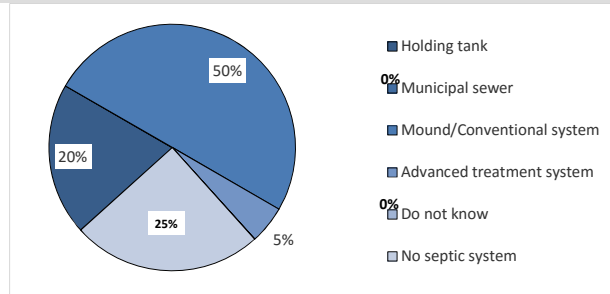
Answer Options	Response Count
answered question	
20	
skipped question	
0	

Category (# of years)	Responses	%
0 to 5	1	5%
6 to 10	2	10%
11 to 15	5	25%
16 to 20	1	5%
21 to 25	2	10%
>25	9	45%



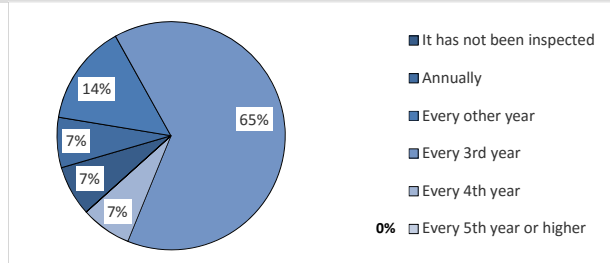
5. What type of septic system does your property utilize?

Answer Options	Response Percent	Response Count
Holding tank	20.0%	4
Municipal sewer	0.0%	0
Mound/Conventional system	50.0%	10
Advanced treatment system	5.0%	1
Do not know	0.0%	0
No septic system	25.0%	5
answered question		20
skipped question		0



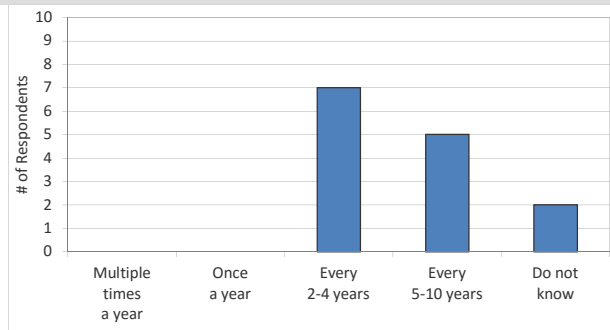
6. How often, if at all, is your septic system evaluated by a licensed inspector?

Answer Options	Response Percent	Response Count
It has not been inspected	7.1%	1
Annually	7.1%	1
Every other year	14.3%	2
Every 3rd year	64.3%	9
Every 4th year	7.1%	1
Every 5th year or higher	0.0%	0
answered question		20
skipped question		0



7. How often is the septic system on your property pumped?

Answer Options	Response Percent	Response Count
Multiple times a year	0.0%	0
Once a year	0.0%	0
Every 2-4 years	50.0%	7
Every 5-10 years	35.7%	5
Do not know	14.3%	2
answered question		14
skipped question		6

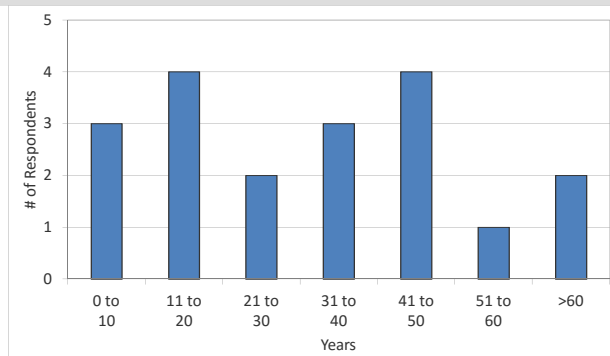


Recreational Activity on Pardee Lake

8. How many years ago did you first visit Pardee Lake?

Answer Options	Response Count
	19
answered question	19
skipped question	1

Category (# of days)	Responses	% Response
0 to 10	3	16%
11 to 20	4	21%
21 to 30	2	11%
31 to 40	3	16%
41 to 50	4	21%
51 to 60	1	5%
>60	2	11%

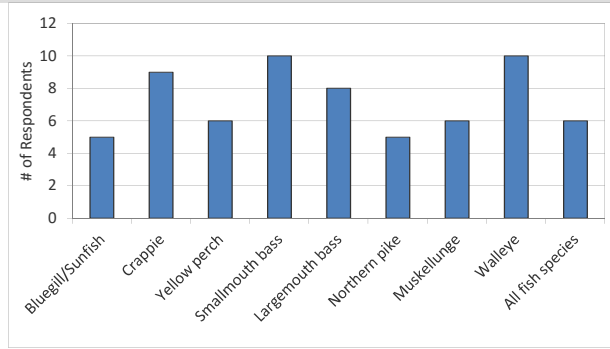


9. Have you personally fished on Pardee Lake in the past three years?

Answer Options	Response Percent	Response Count
Yes	84.2%	16
No	15.8%	3
answered question		19
skipped question		1

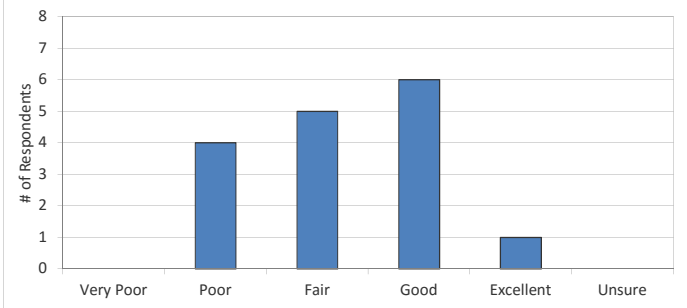
10. What species of fish do you like to catch on Pardee Lake?

Answer Options	Response Percent	Response Count
Bluegill/Sunfish	31.3%	5
Crappie	56.3%	9
Yellow perch	37.5%	6
Smallmouth bass	62.5%	10
Largemouth bass	50.0%	8
Northern pike	31.3%	5
Muskellunge	37.5%	6
Walleye	62.5%	10
All fish species	37.5%	6
Other (please specify)	0.0%	0
answered question		16
skipped question		4



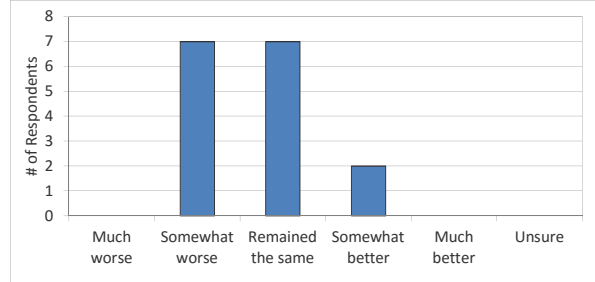
11. How would you describe the current quality of fishing on Pardee Lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count
	0	4	5	6	1	0	16
answered question							16
skipped question							4



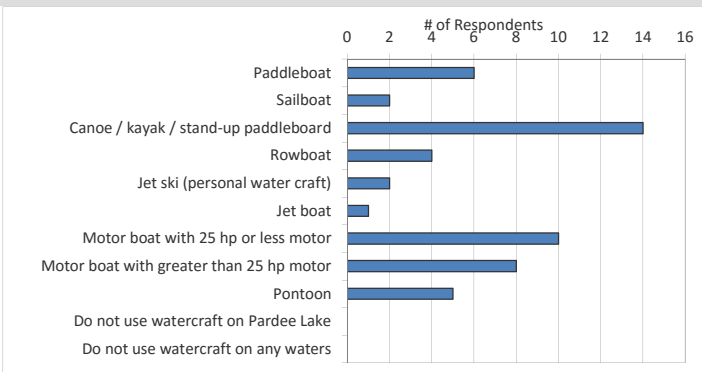
12. How has the quality of fishing changed on Pardee Lake since you have started fishing the lake?

Answer Options	Much worse	Somewhat worse	Remained the same	Somewhat better	Much better	Unsure	Response Count
	0	7	7	2	0	0	16
answered question							16
skipped question							4



13. What types of watercraft do you currently use on Pardee Lake?

Answer Options	Response Percent	Response Count
Paddleboat	31.6%	6
Sailboat	10.5%	2
Canoe / kayak / stand-up paddleboard	73.7%	14
Rowboat	21.1%	4
Jet ski (personal water craft)	10.5%	2
Jet boat	5.3%	1
Motor boat with 25 hp or less motor	52.6%	10
Motor boat with greater than 25 hp motor	42.1%	8
Pontoon	26.3%	5
Do not use watercraft on Pardee Lake	0.0%	0
Do not use watercraft on any waters	0.0%	0
answered question		19
skipped question		1



14. Do you use your watercraft on waters other than Pardee Lake?

Answer Options	Response Percent	Response Count
Yes	42.1%	8
No	57.9%	11
answered question		19
skipped question		1

15. What is your typical cleaning routine after using your watercraft on waters other than Pardee Lake?

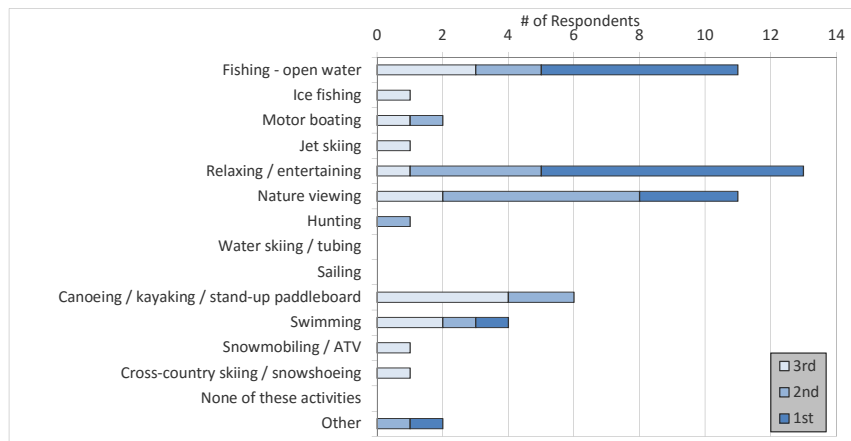
Answer Options	Response Percent	Response Count
Remove aquatic hitch-hikers (ex. - plant material, clams, mussels)	100.0%	8
Drain bilge	75.0%	6
Rinse boat	12.5%	1
Power wash boat	0.0%	0
Apply bleach	0.0%	0
Air dry boat for 5 or more days	50.0%	4
Do not clean boat	0.0%	0
Other (please specify)	12.5%	1
answered question		8
skipped question		12

Number	Other (please specify)
1	drain livewells

16. For the list below, rank up to three activities that are important reasons for owning your property on Pardee Lake, with 1 being the most important.

Answer Options	1st	2nd	3rd	Rating Average	Response Count
Fishing - open water	6	2	3	1.73	11
Ice fishing	0	0	1	3	1
Motor boating	0	1	1	2.5	2
Jet skiing	0	0	1	3	1
Relaxing / entertaining	8	4	1	1.46	13
Nature viewing	3	6	2	1.91	11
Hunting	0	1	0	2	1
Water skiing / tubing	0	0	0	0	0
Sailing	0	0	0	0	0
Canoeing / kayaking / stand-up paddleboard	0	2	4	2.67	6
Swimming	1	1	2	2.25	4
Snowmobiling / ATV	0	0	1	3	1
Cross-country skiing / snowshoeing	0	0	1	3	1
None of these activities are important to me	0	0	0	0	0
Other (please specify below)	1	1	0	1.5	2
answered question					19
skipped question					1

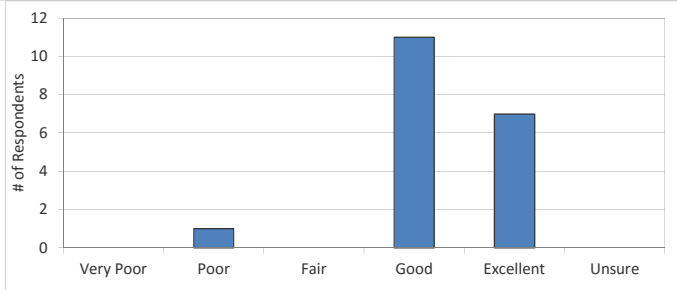
Number	"Other" responses
1	walking the lake road
2	A beautiful place to be: The Lake, the Sunsets, the Loons, the Eagles...



Pardee Lake Current and Historic Condition, Health and Management

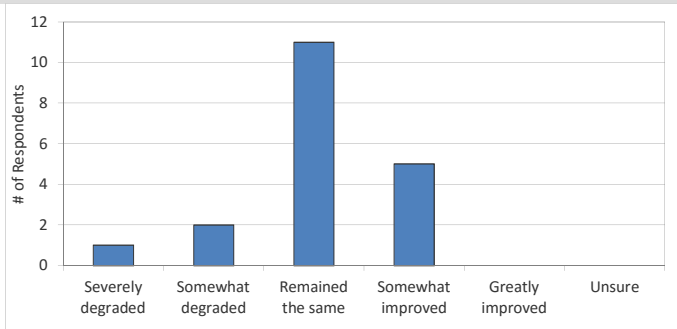
17. How would you describe the overall current water quality of Pardee Lake?

Answer Options	Very Poor	Poor	Fair	Good	Excellent	Unsure	Response Count	
	0	1	0	11	7	0	19	
							<i>answered question</i>	19
							<i>skipped question</i>	1



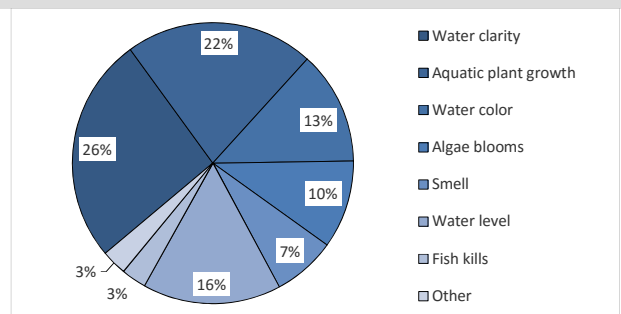
18. How has the overall water quality changed in Pardee Lake since you first visited the lake?

Answer Options	Severely degraded	Somewhat degraded	Remained the same	Somewhat improved	Greatly improved	Unsure	Response Count	
	1	2	11	5	0	0	19	
							<i>answered question</i>	19
							<i>skipped question</i>	1



19. Considering how you answered the questions above, what do you think of when you describe water quality?

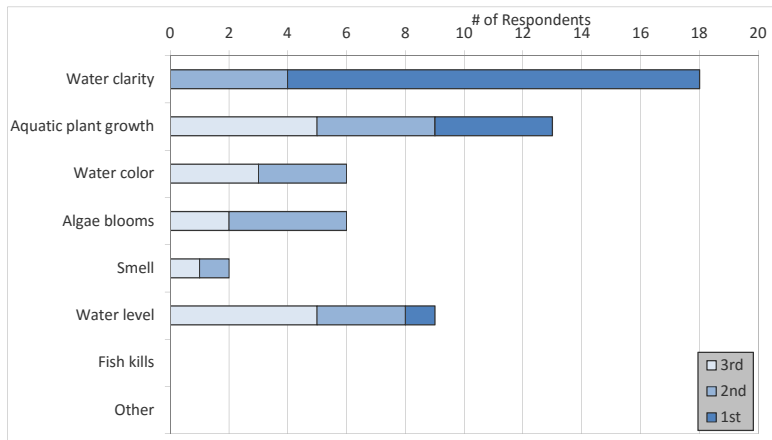
Answer Options	Response Percent	Response Count	
Water clarity (clearness of water)	94.7%	18	
Aquatic plant growth (not including algae blooms)	79.0%	15	
Water color	47.4%	9	
Algae blooms	36.8%	7	
Smell	26.3%	5	
Water level	57.9%	11	
Fish kills	10.5%	2	
Other (please specify)	10.5%	2	
		<i>answered question</i>	19
		<i>skipped question</i>	1



Number	Other (please specify)
1	variety of wildlife
2	Smell good

20. Based your answer above, please rank the top three ways you describe water quality on Pardee Lake, with 1 being the most important.

Answer Options	1st	2nd	3rd	Rating Average	Response Count
Water clarity (clearness of water)	14	4	0	1.22	18
Aquatic plant growth (not including algae blooms)	4	4	5	2.08	13
Water color	0	3	3	2.5	6
Algae blooms	0	4	2	2.33	6
Smell	0	1	1	2.5	2
Water level	1	3	5	2.44	9
Fish kills	0	0	0	0	0
Other (please specify below)	0	0	0	0	0
answered question					19
skipped question					1



21. Before reading the statement above, had you ever heard of aquatic invasive species?

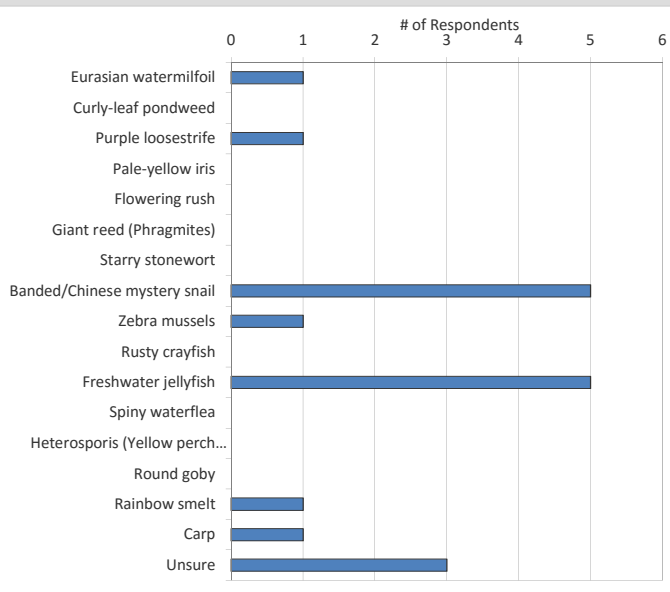
Answer Options	Response Percent	Response Count
Yes	100.0%	19
No	0.0%	0
answered question		19
skipped question		1

22. Do you believe aquatic invasive species are present within Pardee Lake?

Answer Options	Response Percent	Response Count
Yes	42.1%	8
I think so but am not certain	15.8%	3
No	42.1%	8
answered question		19
skipped question		1

23. Which aquatic invasive species do you believe are in Pardee Lake?

Answer Options	Response Percent	Response Count
Eurasian watermilfoil	9.1%	1
Curly-leaf pondweed	0.0%	0
Purple loosestrife	9.1%	1
Pale-yellow iris	0.0%	0
Flowering rush	0.0%	0
Giant reed (Phragmites)	0.0%	0
Starry stonewort	0.0%	0
Banded/Chinese mystery snail	45.5%	5
Zebra mussels	9.1%	1
Rusty crayfish	0.0%	0
Freshwater jellyfish	45.5%	5
Spiny waterflea	0.0%	0
Heterosporis (Yellow perch parasite)	0.0%	0
Round goby	0.0%	0
Rainbow smelt	9.1%	1
Carp	9.1%	1
Unsure but presume AIS to be present	27.3%	3
Other (please specify)	9.1%	1
answered question		11
skipped question		9



Number "Other" responses

1 I once caught a 6" fish that looked like a rainbow smelt. Some of the crappies have black spots, but I don't know what causes this.

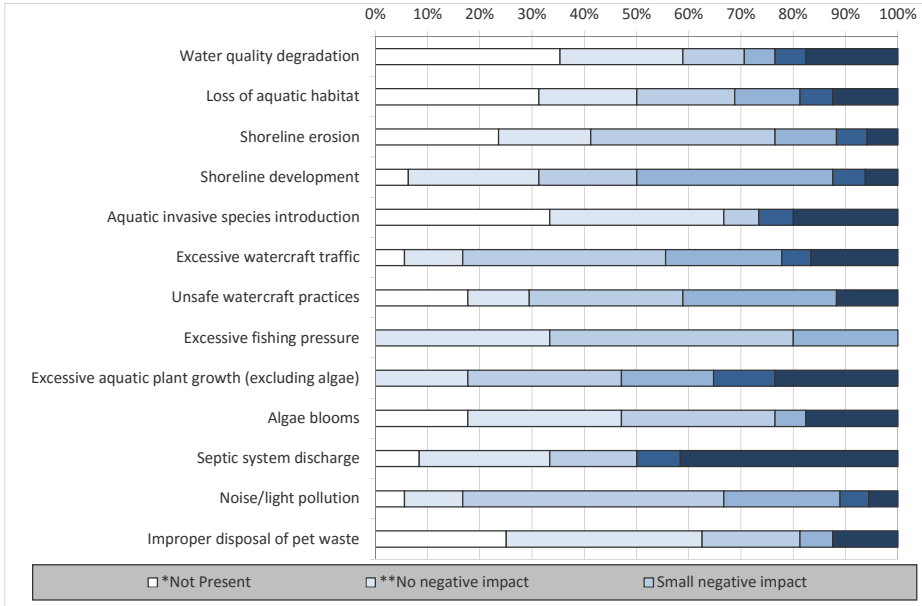
24. To what level do you believe each of the following factors may currently be negatively impacting Pardee Lake?

*** Not Present means that you believe the issue does not exist on Pardee Lake.**

**** No Impact means that the issue may exist on Pardee Lake but it is not negatively impacting the lake.**

Answer Options	*Not Present	**No negative impact	Small negative impact	Moderately negative impact	Large negative impact	Very large negative impact	Unsure: Need more information	Rating Average	Response Count
Water quality degradation	6	4	2	1	1	3	1	1.06	18
Loss of aquatic habitat	5	3	3	2	1	2	2	1.00	18
Shoreline erosion	4	3	6	2	1	1	1	0.94	18
Shoreline development	1	4	3	6	1	1	1	1.29	17
Aquatic invasive species introduction	5	5	1	0	1	3	2	0.94	17
Excessive watercraft traffic	1	2	7	4	1	3	1	1.58	19
Unsafe watercraft practices	3	2	5	5	0	2	1	1.28	18
Excessive fishing pressure	0	5	7	3	0	0	3	0.72	18
Excessive aquatic plant growth (excluding algae)	0	3	5	3	2	4	1	1.83	18
Algae blooms	3	5	5	1	0	3	1	1.06	18
Septic system discharge	1	3	2	0	1	5	6	1.39	18
Noise/light pollution	1	2	9	4	1	1	1	1.26	19
Improper disposal of pet waste	4	6	3	1	0	2	2	0.72	18
Other (please specify)									3
answered question									19
skipped question									1

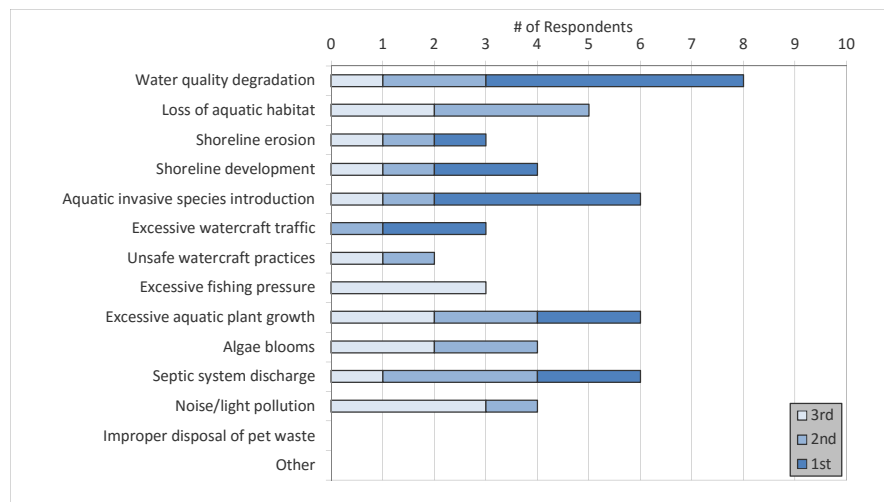
Number	Other (please specify)
1	the last response relates to deer feeding
2	garbage and refuse dumping
3	watercraft answers related to jet ski's



25. From the list below, please rank your top three concerns regarding Pardee Lake, with 1 being your greatest concern.

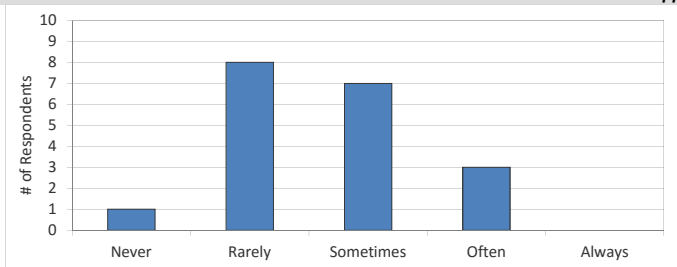
Answer Options	1st	2nd	3rd	Response Count
Water quality degradation	5	2	1	8
Loss of aquatic habitat	0	3	2	5
Shoreline erosion	1	1	1	3
Shoreline development	2	1	1	4
Aquatic invasive species introduction	4	1	1	6
Excessive watercraft traffic	2	1	0	3
Unsafe watercraft practices	0	1	1	2
Excessive fishing pressure	0	0	3	3
Excessive aquatic plant growth (excluding algae)	2	2	2	6
Algae blooms	0	2	2	4
Septic system discharge	2	3	1	6
Noise/light pollution	0	1	3	4
Improper disposal of pet waste	0	0	0	0
Other (please specify)	0	0	0	0
answered question				18
skipped question				2

Number	"Other" responses
	None of the below. It's the
1	beavers blocking the inlet and outlet
2	large motor boats running in shallow weed choked areas



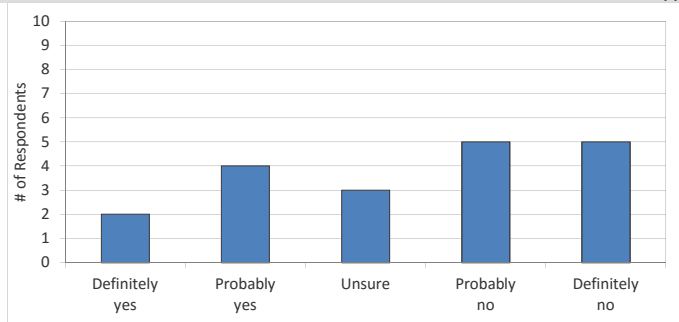
26. During open water season how often does aquatic plant growth, including algae, negatively impact your enjoyment of Pardee Lake?

Answer Options	Never	Rarely	Sometimes	Often	Always	Response Count
	1	8	7	3	0	19
answered question						19
skipped question						1



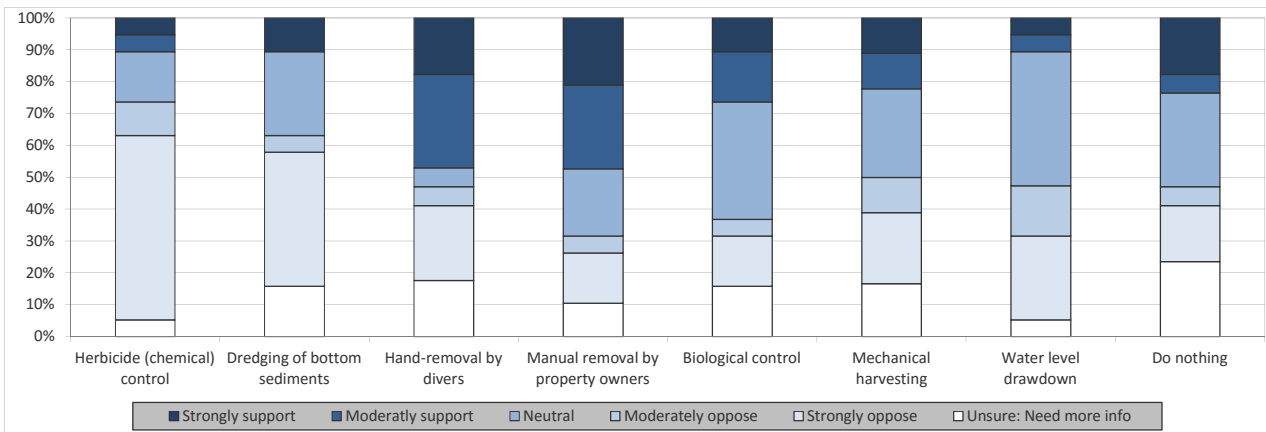
27. Considering your answer to the question above, do you believe aquatic plant control is needed on Pardee Lake?

Answer Options	Definitely yes	Probably yes	Unsure	Probably no	Definitely no	Response Count
	2	4	3	5	5	19
answered question						19
skipped question						1



28. Aquatic plants can be managed using many techniques. What is your level of support for the responsible use of the following techniques on Pardee Lake?

Answer Options	Strongly oppose	Moderately oppose	Neutral	Moderately support	Strongly support	Unsure: Need more info	Rating Average	Response Count
Herbicide (chemical) control	11	2	3	1	1	1	1.74	19
Dredging of bottom sediments	8	1	5	0	2	3	1.84	19
Hand-removal by divers	4	1	1	5	3	3	2.59	17
Manual removal by property owners	3	1	4	5	4	2	3	19
Biological control (milfoil weevil, loosestrife beetle, etc)	3	1	7	3	2	3	2.53	19
Mechanical harvesting	4	2	5	2	2	3	2.28	18
Water level drawdown	5	3	8	1	1	1	2.32	19
Do nothing (do not manage plants)	3	1	5	1	3	4	2.29	17
answered question								19
skipped question								1



Pardee Lake Improvement Association (PLIA)

29. Before receiving this mailing, have you ever heard of the PLIA?

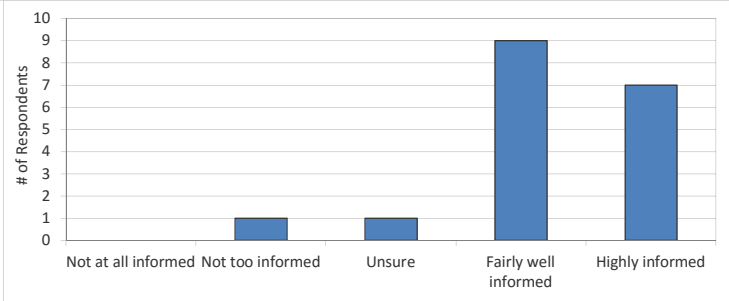
Answer Options	Response Percent	Response Count
Yes	94.7%	18
No	5.3%	1
answered question		19
skipped question		1

30. What is your membership status with the PLIA?

Answer Options	Response Percent	Response Count
Current member	88.2%	15
Former member	11.8%	2
Never been a member	0.0%	0
answered question		17
skipped question		3

31. How informed has (or had) the PLIA kept you regarding issues with Pardee Lake and its management?

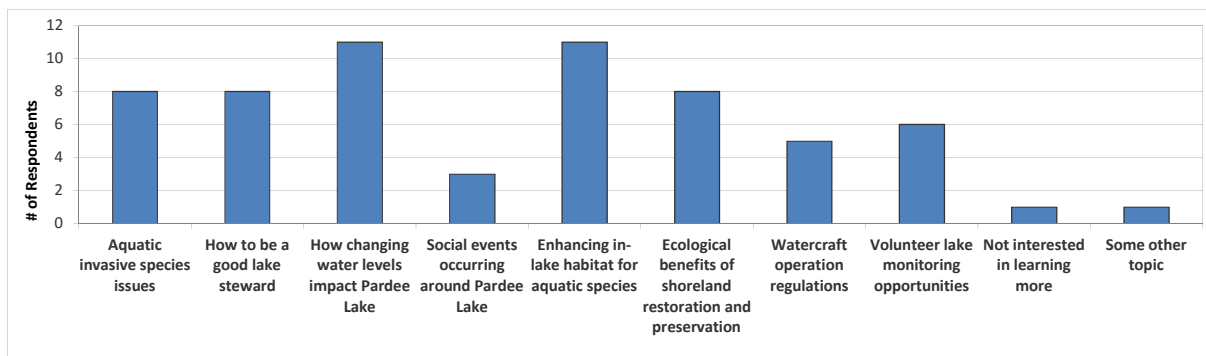
Answer Options	Not at all informed	Not too informed	Unsure	Fairly well informed	Highly informed	Response Count
	0	1	1	9	7	18
answered question						18
skipped question						2



32. Stakeholder education is an important component of every lake management planning effort. Which of these subjects would you like to learn more about?

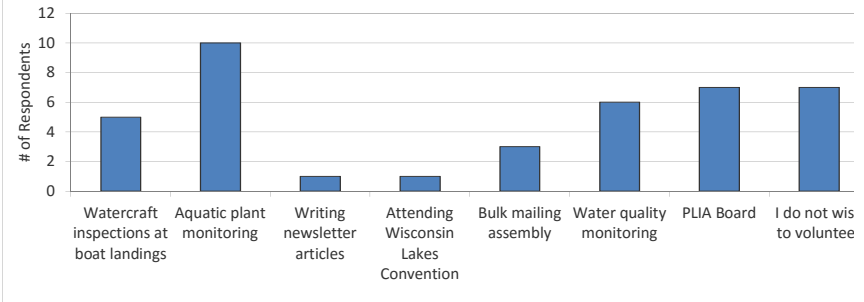
Answer Options	Response Percent	Response Count
Aquatic invasive species impacts, means of transport, identification, control options, etc.	44.4%	8
How to be a good lake steward	44.4%	8
How changing water levels impact Pardee Lake	61.1%	11
Social events occurring around Pardee Lake	16.7%	3
Enhancing in-lake habitat (not shoreland or adjacent wetlands) for aquatic species	61.1%	11
Ecological benefits of shoreland restoration and preservation	44.4%	8
Watercraft operation regulations - lake specific, local, and statewide	27.8%	5
Volunteer lake monitoring opportunities (clean Boats Clean Waters, Citizens Lake Monitoring Network, Loon Watch, LakeGroup programs, etc.)	33.3%	6
Not interested in learning more on any of these subjects	5.6%	1
Some other topic	5.6%	1
answered question		18
skipped question		2

Number	Other (please specify)
1	proper septic system maintenance



33. The effective management of your lake will require the cooperative efforts of numerous volunteers. Please circle the activities you would be willing to participate in if the PLIA requires additional assistance.

Answer Options	Response Percent	Response Count
Watercraft inspections at boat landings	27.8%	5
Aquatic plant monitoring	55.6%	10
Writing newsletter articles	5.6%	1
Attending Wisconsin Lakes Convention	5.6%	1
Bulk mailing assembly	16.7%	3
Water quality monitoring	33.3%	6
PLIA Board	38.9%	7
I do not wish to volunteer	38.9%	7
answered question		18
skipped question		2



34. Please feel free to provide written comments concerning Pardee Lake, its current and/or historic condition and its management.

Answer Options	Response Count
	10
answered question	10
skipped question	10

Number	Response Text
1	On question 28: According to Terra, we do not have this problem to deal with
2	Currently communications are greatly improved relative to the past several years. More turnover on Pardee Lake Board would be desirable.
3	Pardee Lake is a small lake. I am concerned about the use of powerful boat motors and skidoos and the waves they make eroding shoreline. by Pardee lake entering into a management plan with the town of Winchester and NLDC does it allow for public funding to control invasive species ?
4	If public funding is accepted does it require Pardee lake to have a public access at all times ? Are all property owners in agreement to provide public access to receive public funding ??
5	Based on the size of the lake population the board membership is productive group!
6	As the years have passed at Pardee I have been impressed with the changing attitudes of the residents, great to see how many care about the health of Pardee Lake.
7	At age 88 I do not feel qualified to volunteer
8	I strongly believe we should continue the walleye stocking program.
9	Great lake, too busy with larger motor craft in summer, fishing is much worse than reputation of the lake. Wish it were better. old and improper septic systems are the largest threat to Pardee Lake. This has added to excessive plant growth. I have seen the ecosystem of the lake change over the last 60 years
10	in cycles, repeating. Sometimes better for a few years and then worse. Changes in bloom, plant growth, fish dominant species. I believe this to be a natural cycle. Keep the lake as natural as possible and let nature take its course.