

Lake Holiday, Wing Lake, and Lake Rose

Public Survey



Prepared November 2021

Nine Mile Creek Watershed District | 12800 Gerard Drive, Eden Prairie, MN 55346
| 952.358.2276 | ninemilecreek.org

LAKE HOLIDAY, WING LAKE, AND LAKE ROSE SURVEY

OVERVIEW

The Nine Mile Creek Watershed District (NMCWD) sought to gather feedback from residents on Lake Holiday, Wing Lake, and Lake Rose in Minnetonka. NMCWD also sought feedback from stakeholders in the subwatersheds (land area that drains to the lake) of these lakes. A survey was mailed to residents living on the lakes, and it was also made available to them online. A postcard was mailed with a link to the online survey for stakeholders in the subwatersheds of these lakes. This report summarizes the survey responses received.

Survey

The survey is meant to provide community feedback to NMCWD staff, engineers, and the board of managers, along with the City of Minnetonka to assist in the evaluation of management strategies designed to improve the health of Lake Holiday, Wing Lake, and Lake Rose.

The survey was active September 1-October 1, 2021. To encourage residents on Lake Holiday, Wing Lake, and Lake Rose to take the survey, a paper survey was mailed to lakeshore residents during the first week of September 2021. Postcards with the survey link were sent out during the third week of September 2021, as a reminder to take the survey. The postcards were also mailed to stakeholders in the subwatersheds of the lakes at this time.

85 responses were received. The survey instructed that no more than one survey should be completed per adult per household. Of the 85 responses, 31 were paper surveys that were mailed back to NMCWD using the postage-paid envelopes provided, and 54 were online surveys. 13 responses were received from Lake Holiday, 31 responses were received from Wing Lake, and 41 responses were received from Lake Rose.



LAKE HOLIDAY SURVEY RESULTS

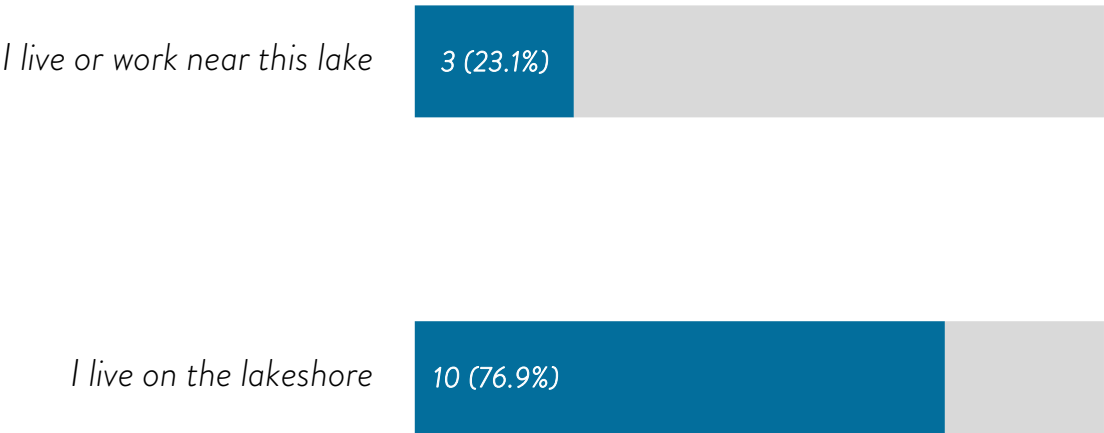
1. How was the survey submitted?

Of the 13 respondents, 6 (53.8%) completed the survey online and 7 (46.2%) completed the survey in a paper format.



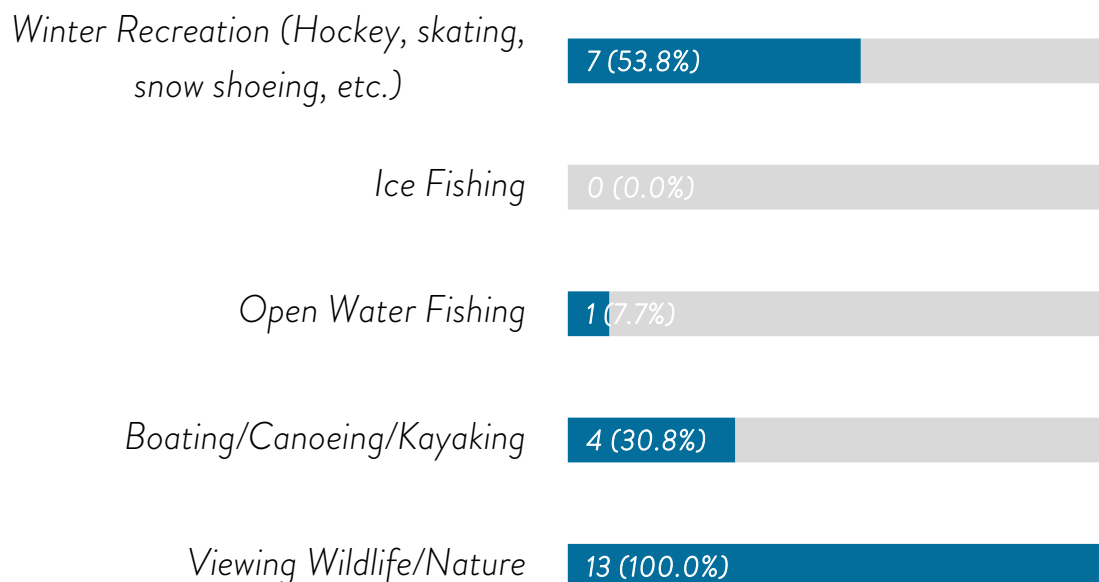
2. Where is your property relative to this lake?

Of the 13 respondents, 3 (23.1%) live or work near Lake Holiday and 10 (76.9%) live on the shore of Lake Holiday.



3. What kinds of activities do you do on or near the lake?

Of the 13 respondents, 7 (4 weekly, and 3 monthly, 53.8%) recreate on Lake Holiday in the winter, 0 (0.0%) ice fish on Lake Holiday, 1 (monthly, 7.7%) open water fish on Lake Holiday, 4 (monthly, 30.8%) boat/canoe/kayak in Lake Holiday, and 13 (11 daily, 1 weekly, and 1 monthly, 100.0%) view wildlife/nature on Lake Holiday.



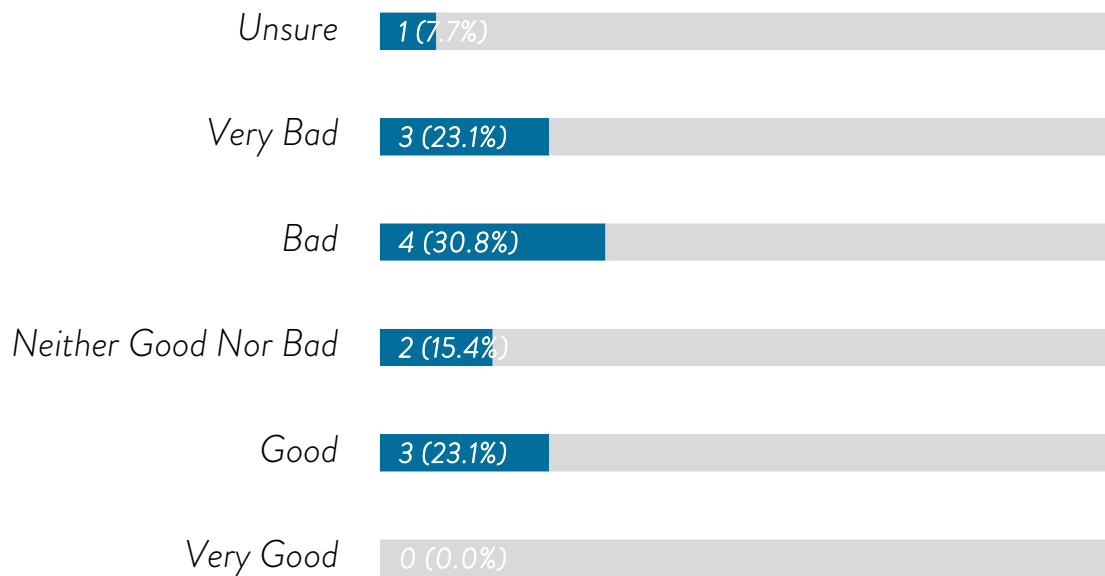
4. What other activities do you do on or near the lake (include frequency)?

This question was open ended and gathered no statistical data. Spelling and grammar mistakes were not corrected, see responses below:

- Social gatherings (weekly), relax on the dock (weekly).
- Walking
- cross country skiing monthly
- I would do more if the lake were cleaner.
- Take photographs
- cross country ski
- Walking monthly
- walk around it. Go out on the lake in winter with our grandson and sled.
- None
- Outside in backyard and daily about 20 feet from lakeshore doing gardening water gardens of veggies and flowers.
- Dog walking several times a week.

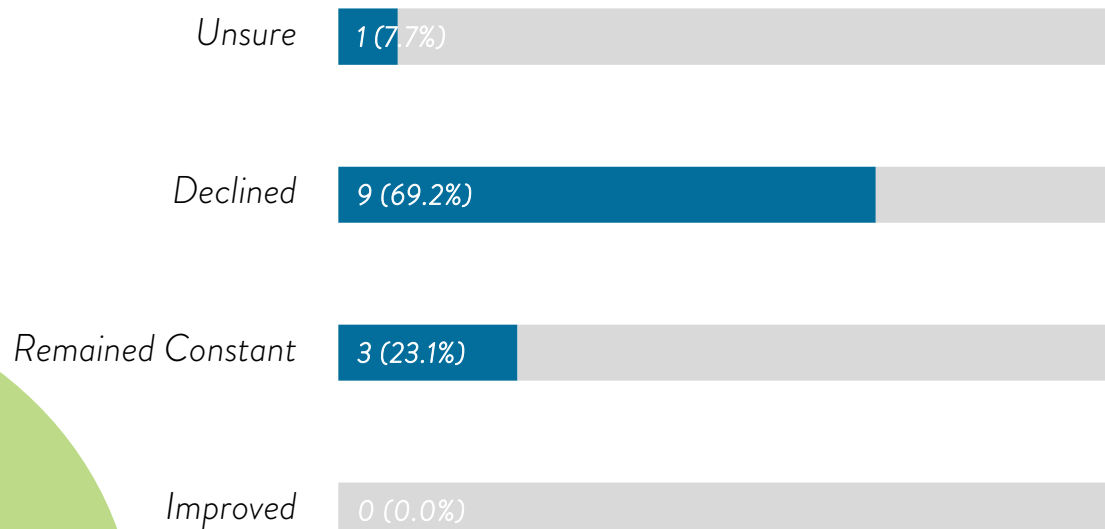
5. How do you perceive the current health of the lake?

Of the 13 respondents, 1 (7.7%) were unsure how they perceived the current health of Lake Holiday, 3 (23.1%) perceived Lake Holiday's health as very bad, 4 (30.8%) perceived Lake Holiday's health as bad, 2 (15.4%) perceived Lake Holiday's health as neither good nor bad, 3 (23.1%) perceived Lake Holiday's health as good, and 0 (0.0%) perceived Lake Holiday's health as very good.



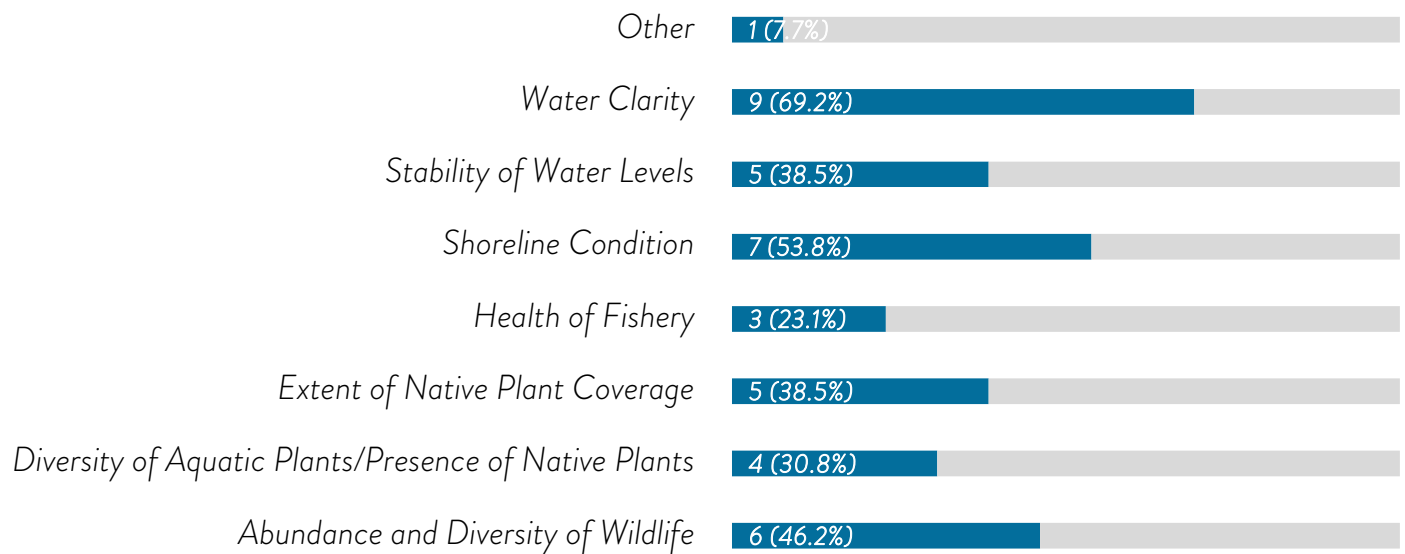
6. How has water clarity (how far you can see down into the water) changed since you have lived (or worked) on or near the lake?

Of the 13 respondents, 1 (7.7%) were unsure how the water clarity in Lake Holiday has changed since living (or working) on or near the lake, 9 (69.2%) thought clarity in Lake Holiday has declined since living (or working) on or near the lake, 3 (23.1%) thought clarity in Lake Holiday has remained constant since living or (working) on or near the lake, and 0 (0.0%) thought clarity in Lake Holiday has improved since living (or working) on or near the lake.



7. What do you think are the three most important criteria for judging the overall health of this lake?

Of the 13 respondents, 9 (69.2%) ranked water clarity amongst their top three criteria for lake health, 5 (38.5%) ranked stability of water levels amongst their top three criteria for lake health, 7 (53.8%) ranked shoreline condition amongst their top three criteria for lake health, 3 (23.1%) ranked health of fishery amongst their top three criteria for lake health, 5 (38.5%) ranked extent of plant coverage amongst their top three criteria for lake health, 4 (30.8%) ranked diversity of aquatic plants and presence of native plant species amongst their top three criteria for lake health, 6 (46.2%) ranked abundance and diversity of wildlife amongst their top three criteria for lake health, and 1 person (7.7%) ranked other amongst their top three criteria for lake health—"Diversity of wildlife esp. birds using the lake, including migrating ducks no significant surface weeds/lilypads some wooded areas around lake/shoreline Public access from park Consistent water level - usually"



8. What do you value and/or appreciate about this lake?

This question was open ended and gathered no statistical data. Spelling and grammar mistakes were not corrected, see responses below:

- Wildlife -view
- Small, private (minimal public access). Abundance of wildlife, minimal invasive weed species.
- Wild life view
- lack of direct access from park - too much vegetation - no clear path. Visablility blocked and no shoreline walking access. Very shallow - would like it dredged. Water clarity is low but wildlife like it enough to not really care.
- It's a very pretty setting, but needs to be cleaned up.
- Watching wildlife.
- No power boats - quiet no snowmobiles - quiet sanctuary lake for wildlife
- Wildlife and condition
- We have a screen porch overlooking the lake which we love and use every single day/ We also can see the lake in the winter from out living room. We love seeing the ducks, geese, herons (egrets?) and swans. We see bald eagles fly over the lake. We have deer in our backyard and often see them walking along the shoreline.
- Geese, Swans, Egrets and Ducks that are on the lake, also just viewing open water.
- None
- Living on this lake, seeing water out our window. Watching waterfowl - ducks. Geese, swans, egrets, blue herons, green herons, muskrats, eagles, hawks, deer, and rabbits. Gardening - we spend a lot of time in our backyard. Oasis of quiet - (unclear) like.
- I have a nice view of the lake (across [road name removed]) I like the pressence of wildlife - mainly ducks, geese, turtles It's not a stagnant body of water

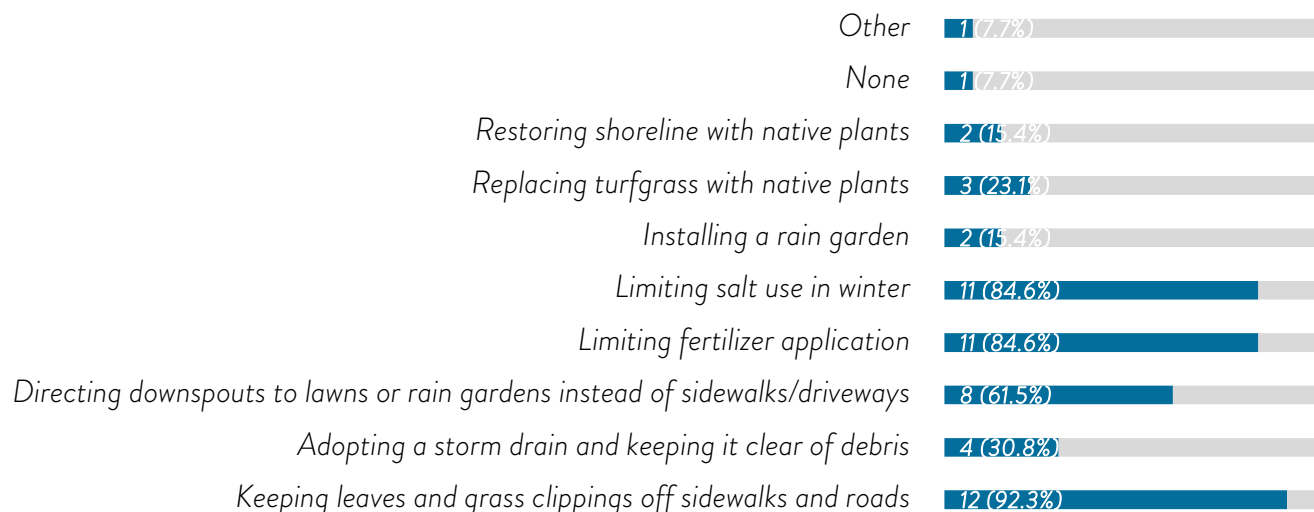
9. What are some issues or concerns that you have regarding this lake?

This question was open ended and gathered no statistical data. Spelling and grammar mistakes were not corrected, see responses below:

- #1 issue is lake level on Holiday Lake was down!
- Fluctuating water levels (typically way too shallow), poor water clarity, minimal fish species.
- x
- The city has ignored all 3 of these lakes for years.
- Lakeshore -most neighbors mow to lake and have no buffer for filtration from lawn to lake (i.e.. no native plants starting in yard to lake to filter out fertilizers, salt in winter from roads/driveways). Clarity of water - recently I have seen oil like substance on the top of the water. I am very worried about the condition of Lake Holiday (on which we live) and Wing and Rose. I worry about how this is affecting the wildlife - ducks (all kinds), the geese (even though can be a nuisance), swans, bald eagles, hawks, owls, turtles... we have all of this in/on/near our lake and I cannot help but think how this is affecting them all.
- 1. Storm drains run directly into lake - no settling ponds 2. lake depth is compromised by years of silt washed in by storm drains 3. level control pumping station has not maintained steady level p seems the lake is varying a lot in level 4. natural vegetation on some lake shore removed and replaced with cement and dock 5. cutting of trees on woodland resulting in traffic noise traffic lights (cars), and removal of vision screen.
- Deterioration of the water quality, increase in sedimentation, loss of quality water plants (lily pads and cattails), loss of fish.
- After 26 years, this is the first year that we have had the thick green/brown “muck” on the water 20-30 yards out that has stayed the whole summer. Usually it is gone after a few weeks.
*We would hate to see Lake Holiday get the lily pads that almost cover Wing Lake.
- Water quality, clarity, protection of the waterfowl on the lake.
- Too many geese
- Water clarity/ Algae bloom. Water level drastically lower this year. Use of fertilizer causes run off into the lake through sewer system. Seen the lake quality decrease over the last forty years (since 1985). Shoreline erosion.
- None, really

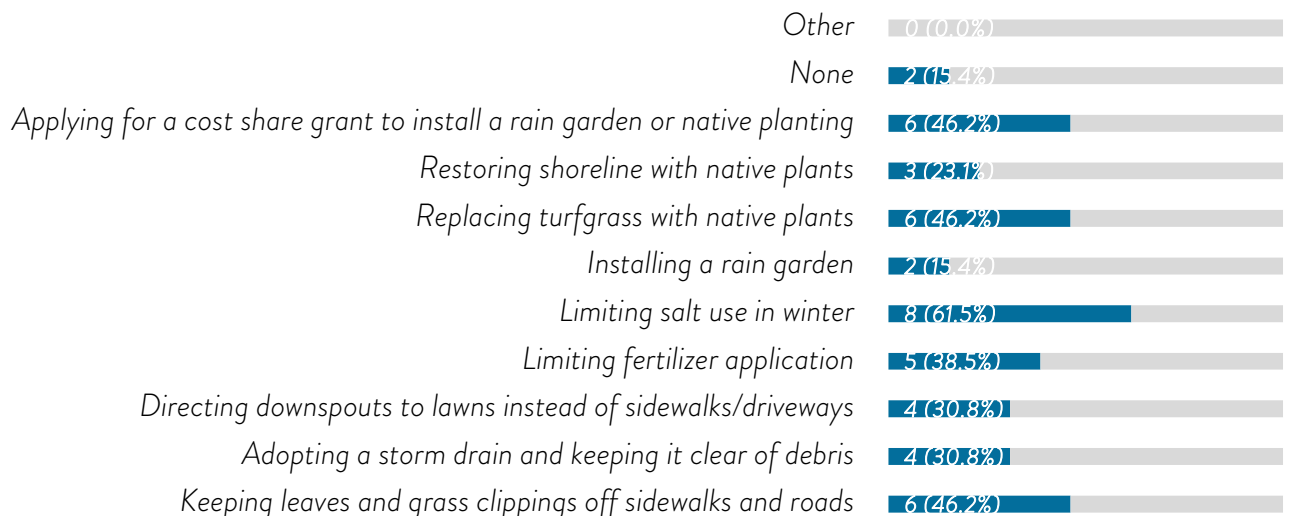
10. What activities do you currently take to improve the water quality of this lake?

Of the 13 respondents, 1 (7.7%) did not do any activities listed to improve the water quality of Lake Holiday, 2 (15.4%) restored shoreline with native plants to improve the water quality of Lake Holiday, 3 (23.1%) replaced turf grass with native plants to improve the water quality of Lake Holiday, 2 (15.4%) installed a rain garden to improve the water quality of Lake Holiday, 11 (84.6%) limited salt use in winter to improve the water quality of Lake Holiday, 11 (84.6%) limited fertilizer application to improve the water quality of Lake Holiday, 8 (61.5%) directed downspouts to lawns to improve the water quality of Lake Holiday, 4 (30.8%) adopted a drain to improve the water quality of Lake Holiday, and 12 (92.3%) keep leaves and grass off sidewalks and roads to improve the water quality of Lake Holiday. 1 (7.7%) respondent submitted other, saying they would like help restoring shoreline.



11. What new actions are you willing to adopt to improve the water quality of this lake?

Of the 13 respondents, 2 (15.4%) will not do any of the listed activities to improve the health of Lake Holiday. 6 (46.2%) will apply for a cost share grant to improve the water quality of Lake Holiday, 3 (23.1%) will restore shoreline with native plants to improve the water quality of Lake Holiday, 6 (46.2%) will replace turf grass with native plants to improve the water quality of Lake Holiday, 2 (15.4%) will install a rain garden to improve the water quality of Lake Holiday, 8 (61.5%) will limit salt use in winter to improve the water quality of Lake Holiday, 5 (38.5%) will limit fertilizer application to improve water quality in Lake Holiday, 4 (30.8%) will direct downspouts to lawns to improve the water quality of Lake Holiday, 4 (30.8%) will adopt a drain to improve the water quality of Lake Holiday, and 6 (46.2%) will keep leaves and grass clippings off sidewalks and roads to improve the water quality of Lake Holiday. 0 (0.0%) respondents submitted other.



12. Do you fertilize your lawn?

Of the 13 respondents, 5 (38.5%) do not fertilize their lawn or hire someone to fertilize their lawn, 2 (15.4%) hire a contractor to fertilize their lawn, and 6 (46.2%) fertilize their lawn themselves.

No, I do not fertilize my lawn or hire someone to fertilize my lawn

5 (38.5%)



Yes, I hire a contractor to fertilize my lawn

2 (15.4%)



Yes, I fertilize my lawn or someone in my household fertilizes the lawn

6 (46.2%)



13. When do you fertilize your lawn?

Of the 13 respondents, 5 (38.5%) do not fertilize their lawn, 1 (7.7%) are unsure when they fertilize their lawn, 2 (15.4%) fertilize their lawn in October, 2 (15.4%) fertilize their lawn in September, 1 (7.7%) fertilize their lawn in August, 1 (7.7%) fertilize their lawn in July, 1 (7.7%) fertilize their lawn in June, 7 (53.8%) fertilize their lawn in May. Of the 8 respondents that fertilized their lawn and knew when they fertilized their lawn, 3 fertilized their lawn once a year, 3 fertilized their lawns twice a year, and 2 fertilized their lawn three times a year.

May

7 (53.8%)



June

1 (7.7%)



July

1 (7.7%)



August

1 (7.7%)



September

2 (15.4%)



October

2 (15.4%)



Unsure

1 (7.7%)



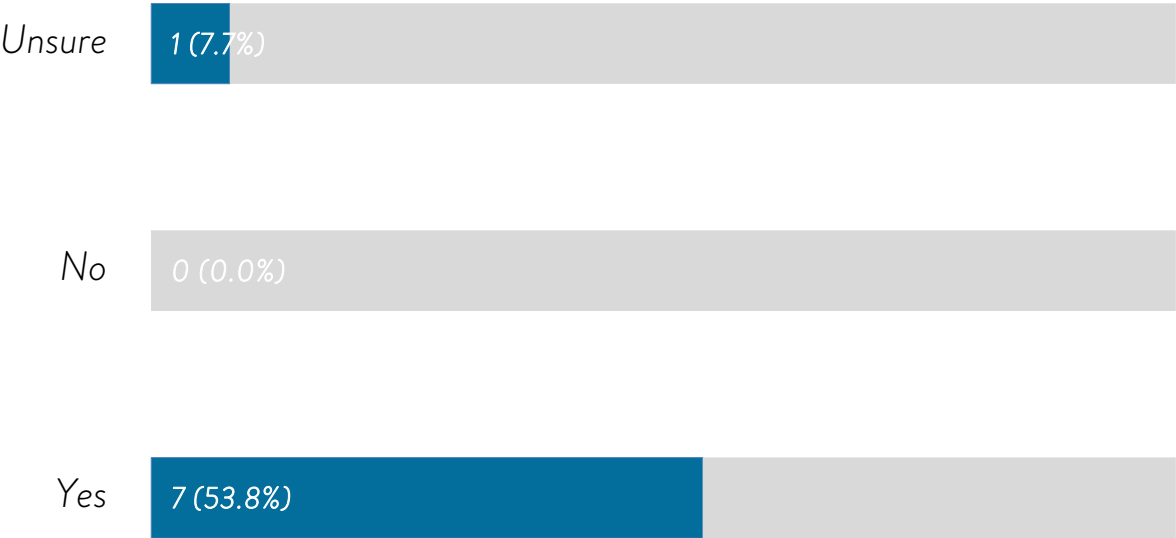
Other

0 (0.0%)



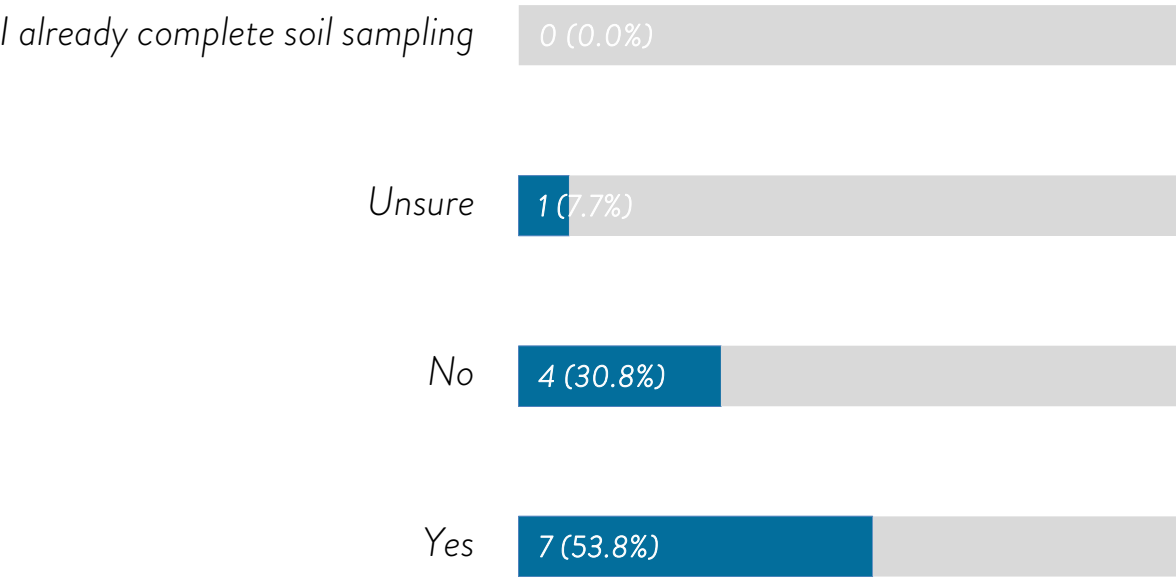
14. Do you use phosphorus-free fertilizer (noted by the zero in the middle number describing the fertilizer blend)?

Of the 13 respondents, 1 (7.7%) was unsure if they used phosphorous-free fertilizer, 0 (0.0%) do not use phosphorous-free fertilizer, and 7 (53.8%) do use phosphorous-free fertilizer.



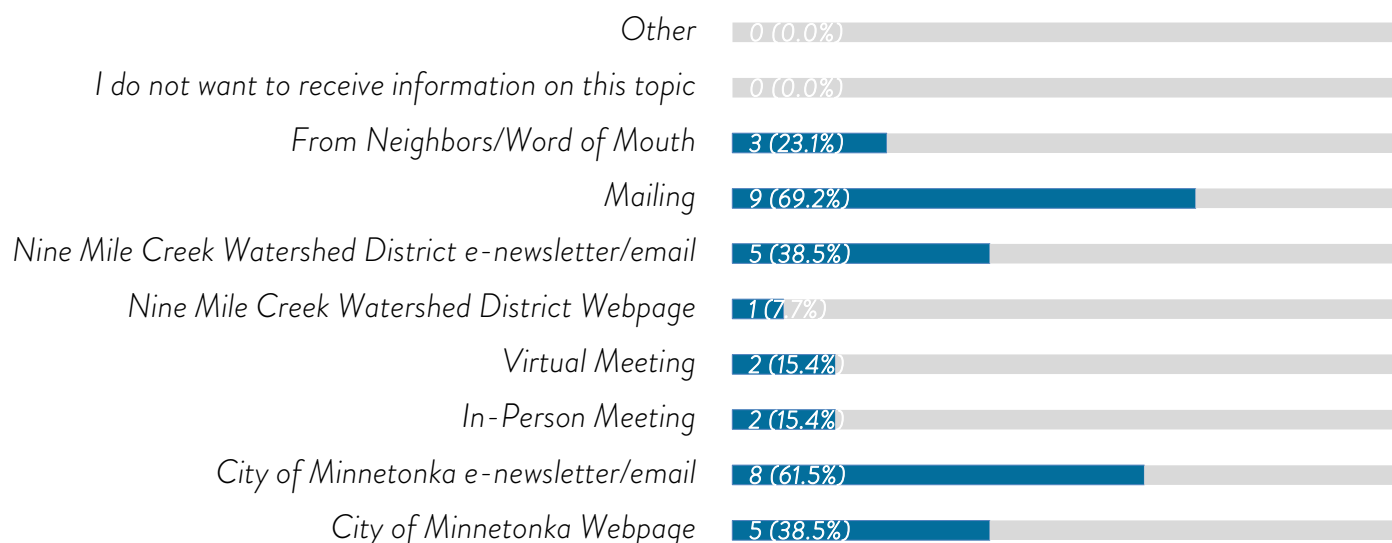
15. Would you like to participate in a free soil sampling program to learn best strategies for maintaining the health of your lawn?

Of the 13 respondents, 0 (0.0%) already complete soil sampling on their lawn, 1 (7.7%) were unsure if they would be willing to participate in free soil sampling, 4 (30.8%) were not willing to participate in free soil sampling, and 7 (53.8%) were willing to participate in free soil sampling.



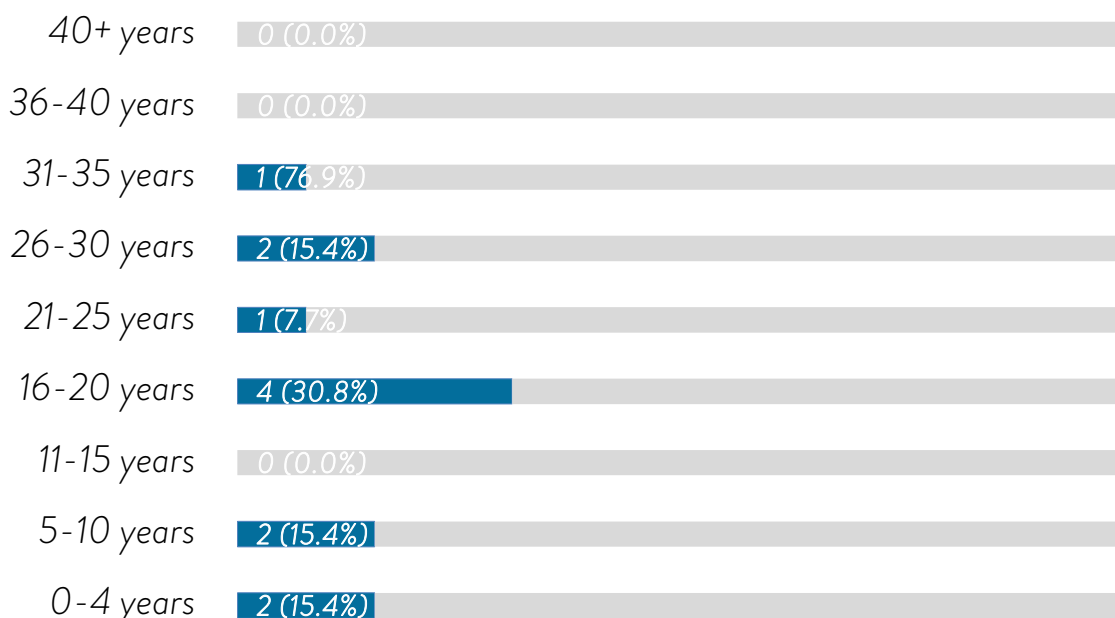
16. How would you prefer to receive information about the Lake Holiday, Wing Lake, and Lake Rose water quality study and future projects?

Of the 13 respondents, 5 (38.5%) preferred to receive information from the city of Minnetonka webpage, 8 (61.5%) preferred to receive information from the city of Minnetonka e-newsletter/email, 2 (15.4%) preferred to receive information from an in-person meeting, 2 (15.4%) preferred to receive information from a virtual meeting, 1 (7.7%) preferred to receive information the Nine Mile Creek Watershed District webpage, 5 (38.5%) preferred to receive information from the Nine Mile Creek Watershed District e-newsletter, 9 (69.2%) preferred to receive information from a mailing, 3 (23.1%) preferred to receive information from neighbors/word of mouth, 0 (0%) did not want to receive information on the water quality study or future projects, and 0 (0.0%) preferred to receive information from an unlisted option.



17. How long have you lived at your current residence?

Of the 13 respondents, 2 (15.4%) have lived in their current residence for 0-4 years, 2 (15.4%) have lived in their current residence for 5-10 years, 0 (0.0%) have lived in their current residence for 11-15 years, 4 (30.8%) have lived in their current residence for 16-20 years, 1 (7.7%) have lived in their current residence for 21-25 years, 2 (15.4%) have lived in their current residence for 26-30 years, 1 (7.7%) have lived in their current residence for 31-35 years, 0 (0.0%) have lived in their current residence for 36-40 years, and 0 (0.0%) have lived in their current residence for 40+ years.



18. Would you like to add any additional comments, information, or stories about this lake? You may also share a photo on the next question. Please describe the photo here, if sharing one.

This question was open ended and gathered no statistical data. Spelling and grammar mistakes were not corrected, see responses below:

- *The Canadian Goose population needs to be relocated every year. They ruin the lakes, our shorelines and our yards (where our young children play everyday) with the abundance of fecal droppings. This was done for the first time this year and we finally have been able to comfortably enjoy our lake front property. Please help us keep these large populations off our lakes.*
- *These lakes could be amazing. They are far from it now.*
- *I have several photos from summer 2021 showing the condition of Lake Holiday through the fall and summer. Due to drought, Lake Holiday got very low (lowest I have ever seen it in 15 years) and also algae growing (along with the oil like substance on top).*
- *Photo of the increased sedimentation from the storm drain at the southwest portion of the lake. Exiting from 5235 Kimberly into the lake.*
- *No*

19. Would you like to share a photo of the lake? (separate question for online survey to provide place to upload photos)

Respondents had the opportunity to send in pictures through the online survey and the paper survey. The pictures submitted in the Lake Holiday are below.



WING LAKE SURVEY RESULTS

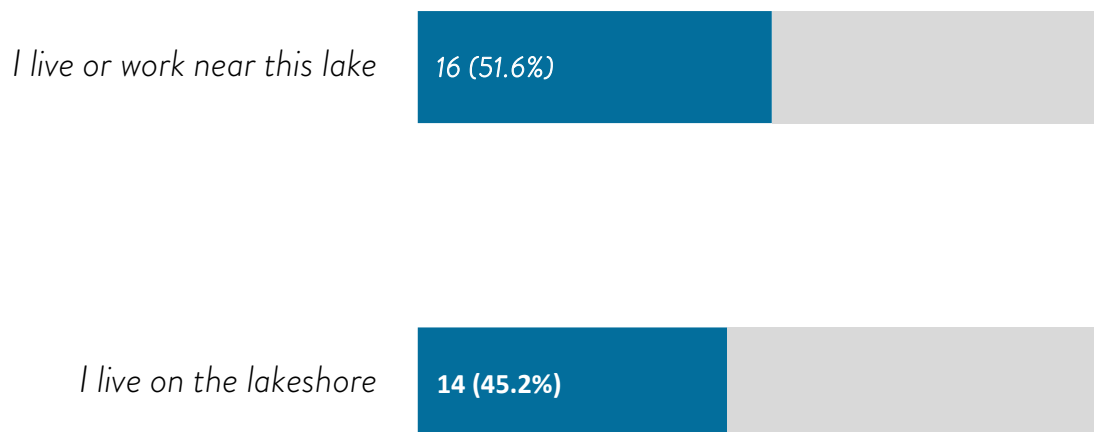
1. How was the survey submitted?

Of the 31 respondents, 23 (74.2%) completed the survey online and 8 (25.8%) completed the survey in a paper format.



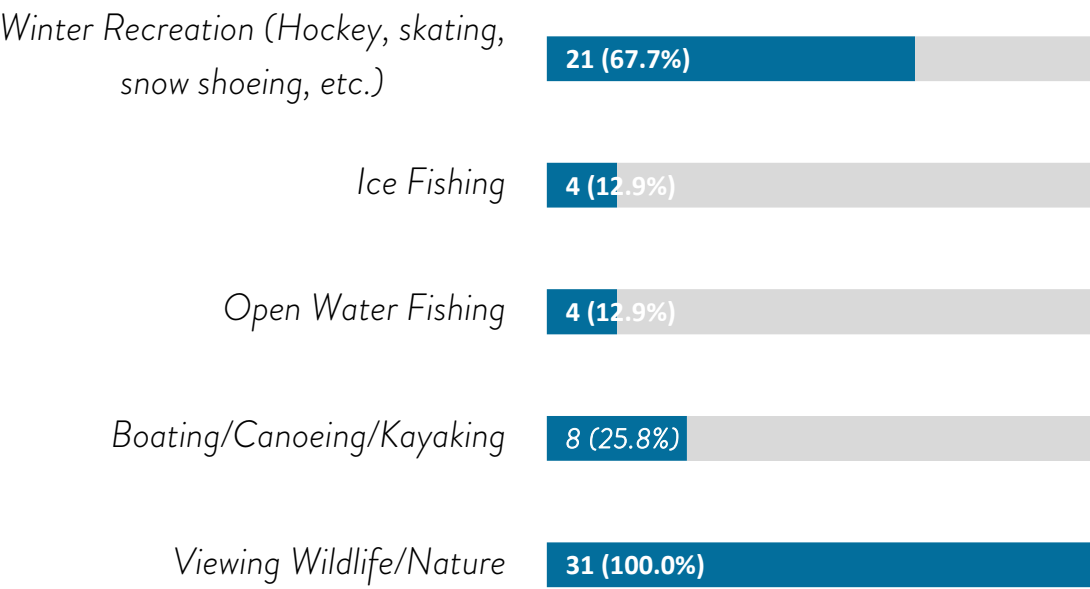
2. Where is your property relative to this lake?

Of the 31 respondents, 16 (51.6%) live or work near Wing Lake and 14 (45.2%) live on the shore of Wing Lake. One respondent did not answer this question.



3. What kinds of activities do you do on or near the lake?

Of the 31 respondents, 21 (2 daily, 10 weekly, and 9 monthly, 67.7%) recreate on Wing Lake in the winter, 4 (monthly 12.9%) ice fish on Wing Lake, 4 (monthly, 12.9%) open water fish on Wing Lake, 8 (monthly, 25.8%) boat/canoe/kayak in Wing Lake, and 31 (22 daily, 5 weekly, and 4 monthly, 100.0%) view wildlife/nature on Wing Lake.



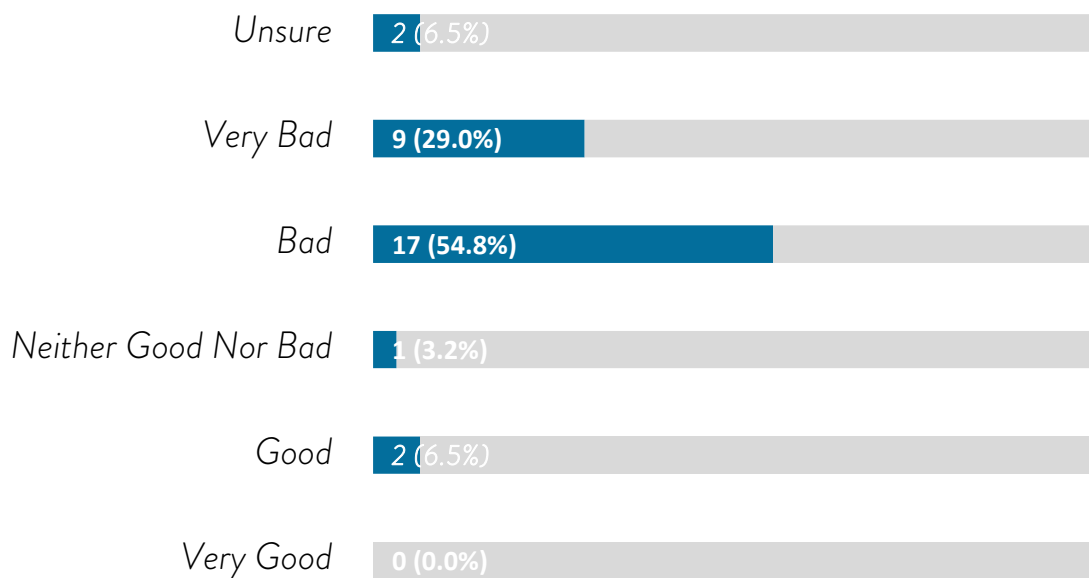
4. What other activities do you do on or near the lake (include frequency)?

This question was open ended and gathered no statistical data. Spelling and grammar mistakes were not corrected, see responses below:

- *Wing Lake is not usable as a lake really. If it was I'd be doing kayaking daily like I planned When I moved Here.*
- *Cleaning up trash*
- *"Yoga weekly Meditation daily Photography daily"*
- *Watch wildlife and walk by lake*
- *Since we live on the lakeshore, we spend time outside working on the landscaping in our backyard.*
- *Walk around the lake weekly at least*
- *We would love to canoe all summer but weeds and lily pads make it impossible to paddle after memorial day*
- *Work on landscape edge of lake*
- *walks around the lake all year around*
- *bird watching*
- *Not much. The lake is typically full of weeds, algae, and lily pads. About the only time the lake looks nice is in the winter when we will ice skate and occasionally snow shoe.*
- *Jog past on Highland Road. I might stop and look/view more if there was a practical place to do so. Lots of turtles, birds, and Lilly pads!*
- *walking (daily), biking (weekly), driving (daily)*
- *Like around wing Lake daily*
- *Walk on road next to lake*
- *I would love to canoe, boat, fish, on Wing Lake. When I moved here in 2014, I saw a sign at the corner of Excelsior and Highland Rd(I live on Highland) and it said "Lake Restoration in progress." Unfortunately nothing has been done since then. While Wing Lake may not be ideal for concessions etc, it would be great for kids to learn basic boating skills. Thank you*
- *Walking*

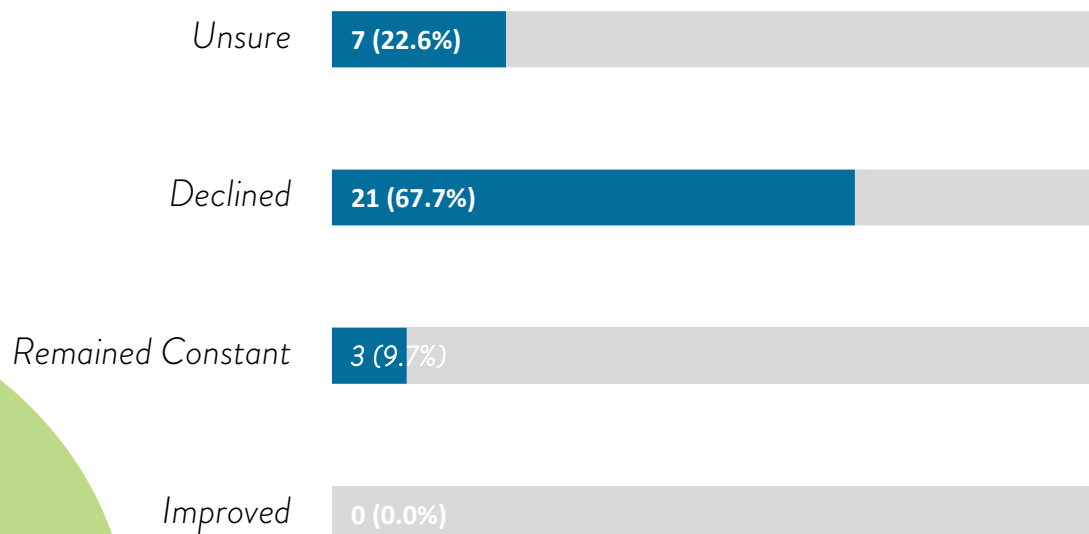
5. How do you perceive the current health of the lake?

Of the 31 respondents, 2 (6.5%) were unsure how they perceived the current health of Wing Lake, 9 (29.0%) perceived Wing Lake's health as very bad, 17 (54.8%) perceived Wing Lake's health as bad, 1 (3.2%) perceived Wing Lake's health as neither good nor bad, 2 (6.5%) perceived Wing Lake's health as good, and 0 (0.0%) perceived Wing Lake's health as very good.



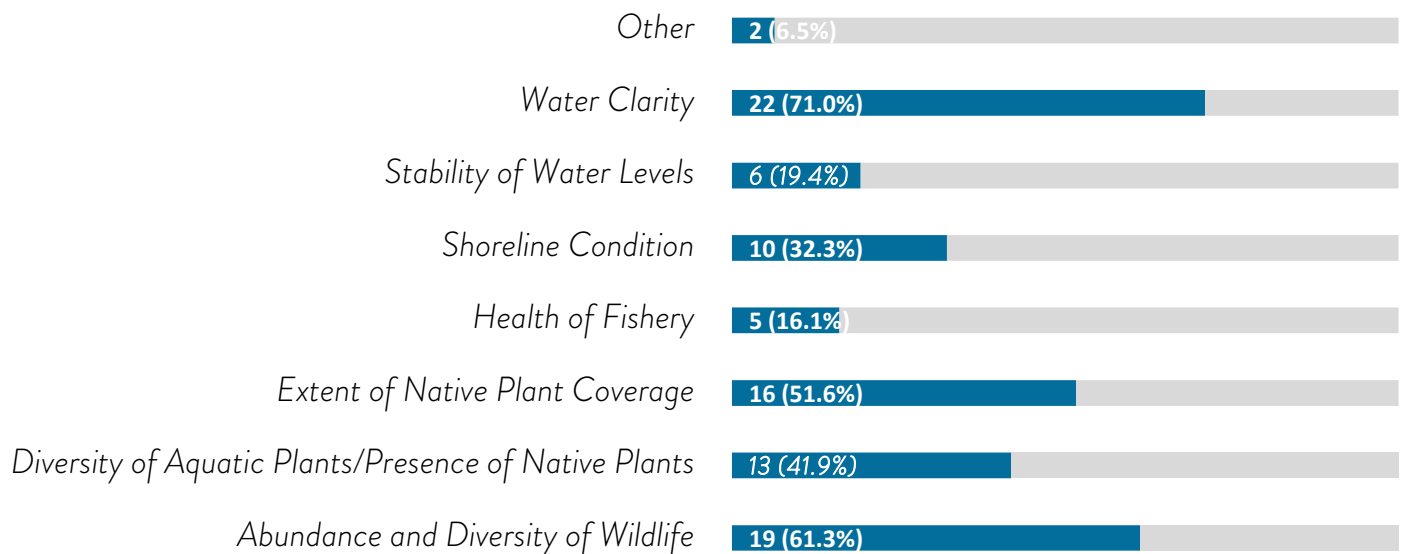
6. How has water clarity (how far you can see down into the water) changed since you have lived (or worked) on or near the lake?

Of the 31 respondents, 7 (22.6%) were unsure how the water clarity in Wing Lake has changed since living (or working) on or near the lake, 21 (67.7%) thought clarity in Wing Lake has declined since living (or working) on or near the lake, 3 (9.7%) thought clarity in Wing Lake has remained constant since living or (working) on or near the lake, and 0 (0.0%) thought clarity in Wing Lake has improved since living (or working) on or near the lake.



7. What do you think are the three most important criteria for judging the overall health of this lake?

Of the 31 respondents, 22 (71.0%) ranked water clarity amongst their top three criteria for lake health, 6 (19.4%) ranked stability of water levels amongst their top three criteria for lake health, 10 (32.3%) ranked shoreline condition amongst their top three criteria for lake health, 5 (16.1%) ranked health of fishery amongst their top three criteria for lake health, 16 (51.6%) ranked extent of plant coverage amongst their top three criteria for lake health, 13 (41.9%) ranked diversity of aquatic plants and presence of native plant species amongst their top three criteria for lake health, 19 (61.3%) ranked abundance and diversity of wildlife amongst their top three criteria for lake health, and 2 (6.5%) ranked other amongst their top three criteria for lake health—"Degree of open water - we have too much plant coverage", "not certain the 3rd best".



8. What do you value and/or appreciate about this lake?

This question was open ended and gathered no statistical data. Spelling and grammar mistakes were not corrected, see responses below:

- *The beauty of water reflecting each day & season. The abundance of wildlife that depends on this lake from the deer to the eagles to the ducks, geese, seagulls and biannual visiting trumpeter swans. Each season brings another group of wildlife that depend on this water.*
- *I appreciate how it brings wildlife and nature so close to us. As a teacher, I value and appreciate natural opportunities to learn built into everyday life!*
- *I appreciate The wildlife.*
- *Beauty and observing wildlife birds in particular*
- *We used to value its appearance and the pleasure of having proximity to a small lake. In recent years, the lake has become so overgrown that the water is barely visible in the months from mid-May through September. Appearance has become more that of a swamp and is no longer the nice little lake it once was.*
- *Birds/Waterfowl*
- *Habitat for Eagle, Herons, turtles, etc.*
- *I like the size, shape, and potential*
- *The view*
- *The beauty of the water and the wildlife is a daily pleasure.*
- *Seeing the animals*
- *It's a beautiful little lake and attracts wildlife. It's fun to walk by it and see muskrats, egrets, geese, ducks, turtles, insects.*
- *Just being there*
- *It's presence*
- *Many different species*
- *It attracts a lot of wildlife, it's beauty, it is constantly changing*
- *The lake is a mecca for wildlife. We enjoy seeing the wood ducks, mallards, egrets, herons, etc. Deer, foxes, birds of prey, etc. Even minks. Painted box turtles and snappers.*

8. Continued

- abundance and diversity of wildlife scenic viewing
- The wildlife is fantastic. But the lake is most beautiful in the spring-time BEFORE the lily pads take over the whole lake.
- Enjoy wildlife on/near lake
- It's potential to be more of a neighborhood hub/event/activity by providing a safe and healthy spot to enjoy wildlife and kayaking/fishing
- The view, walking in summer skating skiing winter
- It is great for pond hockey in the winter.
- Wetland Wildlife habitat that doesn't seem to become a green algae covered mess like some of the nearby ponds.
- unsure I just live nearby
- The nature and views it provides
- Wildlife it attracts
- View (would be better without all the lily pads), critters around the lake
- Turtles!
- Water lilies, turtles, greenery around the lake
- I would like to see fewer lily pads

9. What are some issues or concerns that you have regarding this lake?

This question was open ended and gathered no statistical data. Spelling and grammar mistakes were not corrected, see responses below:

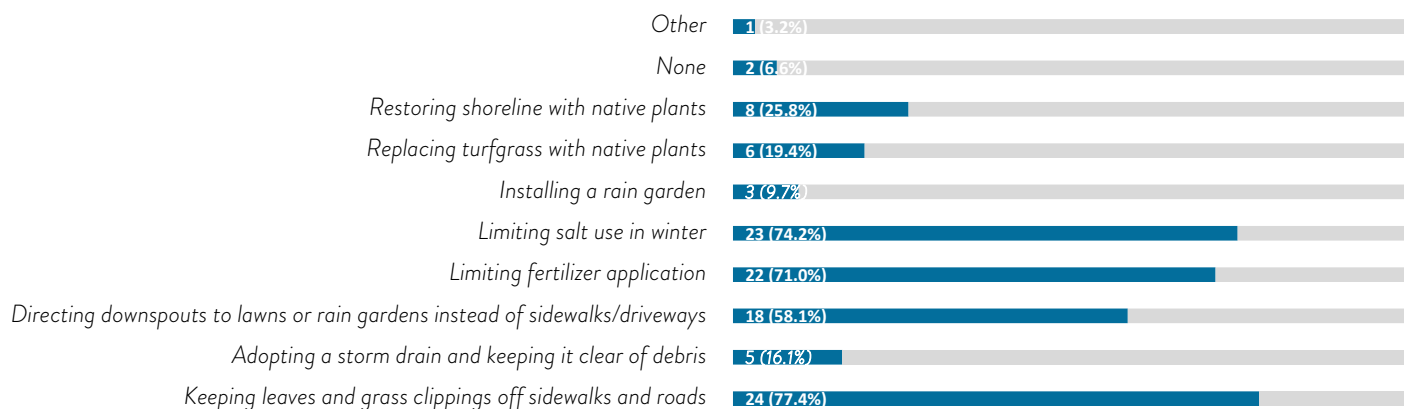
- *I have lived on this lake for 13 years and have watched it continue to be overrun with lily pads. When we moved in you could canoe most of the spring & summer. Now there is only a three week window before the Lilly pads take over.*
- *I am concerned about how many lily pads there are as well as algae. It also seems like the shoreline is eroding closer and closer to the street.*
- *It is almost an eyesore at the north end of the lake at this point.*
- *Lake increasingly shallowing, full of decay, stinks at times, sharp decline in shorebirds, ducks, fish, lake choked by invasive weeds*
- *Most definitely the lake has become very overgrown with plants that grow up from the water. It seems that the condition became considerably worse after the 2016 digging and rerouting of water into the lake from the other side of Excelsior Blvd. As previously stated, the lake appears to be more of a swamp than a lake and is not very nice to look at from our backyard from mid-May until after the autumn frost when the excessive growth in the lake begins to die down.*
- *Completely weed choked*
- *Smell can get very bad as vegetation rots and run off from streets/homes on wild wings*
- *My concern would be lake of attention by city to the maintenance of lake.*
- *Too many weeds and can't see the water during the summer months*
- *It seems to be shallower every year with progressively more lily pad coverage through the summer. I'm worried we will lose the lake to some sort of wetland.*
- *Shoreline seems to be deteriorating*
- *The lily pads have grown considerably over the years and the detritus falling to the bottom have made the lake water visibility poorer. I worry about phosphorous run off from lawn fertilizer making the water more toxic and less habitable for wildlife*
- *Too many lilypads and invasive plants covering the water*
- *Many lily pads*
- *Th overgrowth of vegetation in lake*

9. Continued

- Invasive plants, gradual silting - from street run-off and the decomposition of non-native (but abundant) plants.
- The lake has deteriorated rapidly. We now regularly have algae blooms when there were once none. Lily pads and other aquatic weeds have overgrown the lake. The only time you can really canoe or kayak is early in the spring or fall when they had died back. The water levels are inconsistent and silt and runoff are filling it in spots.
- The shallowing of Wing lake was extremely intensified by the City of Minnetonka's storm sewer project in 1991. The project added pollution to the lake; the enlarged storm sewer in the north-west corner of the lake allowed unmitigated waterflow that resulted in significant buildup of silt. This shallowing of our bay allowed the lily pads to take over - the abundance of these and other plants has increased the phosphorous load and we can no longer canoe in our lake during the summer.
- Lillypad overgrowth is unsightly.
- garbage in lake water level low
- Seems very unhealthy
- "The amount of weeds in the lake water level of the lake. Dead fish in the spring smells pretty bad"
- Over growth of weeds and lilly pads.
- Sand pile from run off from Highland Rd accumulating at exit of storm drain. Lake slowly filling with silt, becoming more shallow and more fragile.
- Amount of lily pads
- Amount of lily pad cover during most of summer
- Health of the lake
- I believe it's suffered from pollution from fertilizers, weed killer, etc.
- Runoff fertilizer is leading to humongous water lilies.
- Unsure how clean it is, can I go boating and how
- I don't want it to fill in and become a marsh

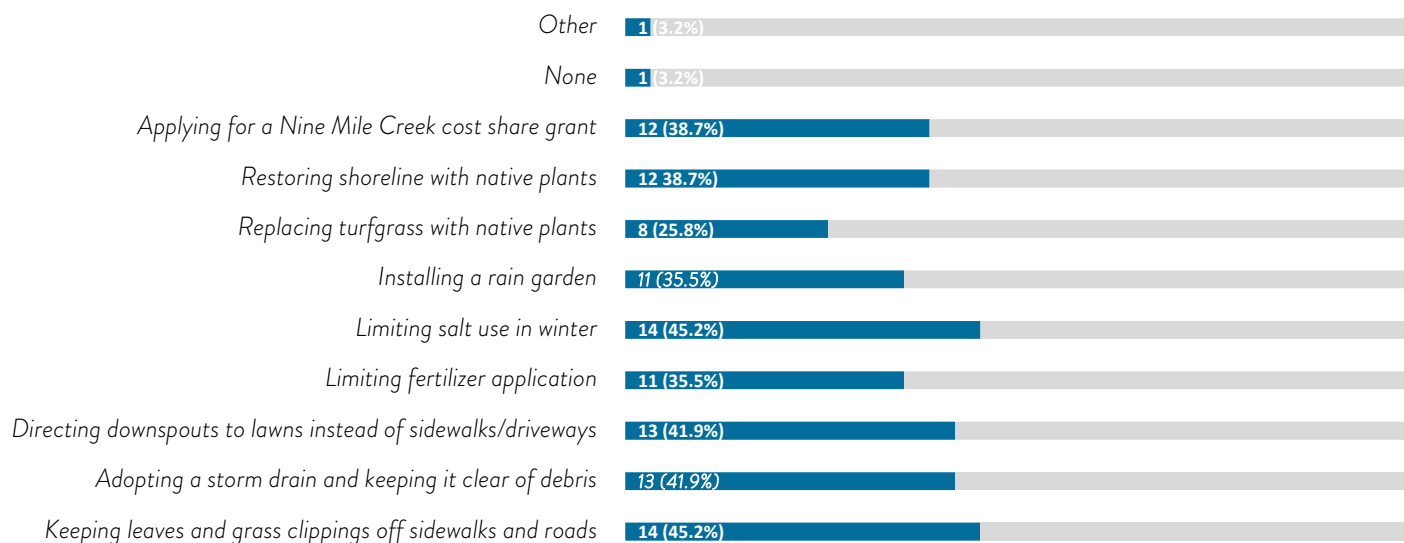
10. What activities do you currently take to improve the water quality of this lake?

Of the 31 respondents, 2 (6.6%) did not do any activities listed to improve the water quality of Wing Lake, 8 (25.8%) restored shoreline with native plants to improve the water quality of Wing Lake, 6 (19.4%) replaced turf grass with native plants to improve the water quality of Wing Lake, 3 (9.7%) installed a rain garden to improve the water quality of Wing Lake, 23 (74.2%) limited salt use in winter to improve the water quality of Wing Lake, 22 (71.0%) limited fertilizer application to improve the water quality of Wing Lake, 18 (58.1%) directed downspouts to lawns to improve the water quality of Wing Lake, 5 (16.1%) adopted a drain to improve the water quality of Wing Lake, and 24 (77.4%) keep leaves and grass off sidewalks and roads to improve the water quality of Wing Lake. 1 (3.2%) respondent submitted other, "The Wing Lake Neighborhood Association worked with the city to plant native plants one year. However, about a week after planting, someone from the city mowed much of them down."



11. What new actions are you willing to adopt to improve the water quality of this lake?

Of the 31 respondents, 1 (3.2%) will not do any of the listed activities to improve the health of Wing Lake. 12 (38.7%) will apply for a cost share grant to improve the water quality of Wing Lake, 12 (38.7%) will restore shoreline with native plants to improve the water quality of Wing Lake, 8 (25.8%) will replace turf grass with native plants to improve the water quality of Wing Lake, 11 (35.5%) will install a rain garden to improve the water quality of Wing Lake, 14 (45.2%) will limit salt use in winter to improve the water quality of Wing Lake, 11 (35.5%) will limit fertilizer application to improve water quality in Wing Lake, 13 (41.9%) will direct downspouts to lawns to improve the water quality of Wing Lake, 13 (41.9%) will adopt a drain to improve the water quality of Wing Lake, and 14 (45.2%) will keep leaves and grass clippings off sidewalks and roads to improve the water quality of Wing Lake. 1 (3.2%) respondents submitted other, "What is a raingarden?"



12. Do you fertilize your lawn?

Of the 31 respondents, 12 (38.7%) do not fertilize their lawn or hire someone to fertilize their lawn, 9 (29.0%) hire a contractor to fertilize their lawn, and 10 (32.3%) fertilize their lawn themselves.

*No, I do not fertilize my lawn or hire
someone to fertilize my lawn*

12 (38.7%)



*Yes, I hire a contractor to fertilize my
lawn*

9 (29.0%)



*Yes, I fertilize my lawn or someone in
my household fertilizes the lawn*

10 (32.3%)



13. When do you fertilize your lawn?

Of the 31 respondents, 12 (38.7%) do not fertilize their lawn, 4 (12.9%) are unsure when they fertilize their lawn, 5 (16.1%) fertilize their lawn in October, 8 (25.8%) fertilize their lawn in September, 3 (9.7%) fertilize their lawn in August, 8 (25.8%) fertilize their lawn in July, 4 (12.9%) fertilize their lawn in June, 15 (48.4%) fertilize their lawn in May. Of the 16 respondents that fertilized their lawn and knew when they fertilized their lawn, 1 fertilized their lawn once a year, 7 fertilized their lawns twice a year, 4 fertilized their lawn three times a year, 3 fertilized their lawn four times a year, and 1 fertilized their lawn five times a year.

May

15 (48.4%)



June

4 (12.9%)



July

8 (25.8%)



August

3 (9.7%)



September

8 (25.8%)



October

5 (16.1%)



Unsure

4 (12.9%)



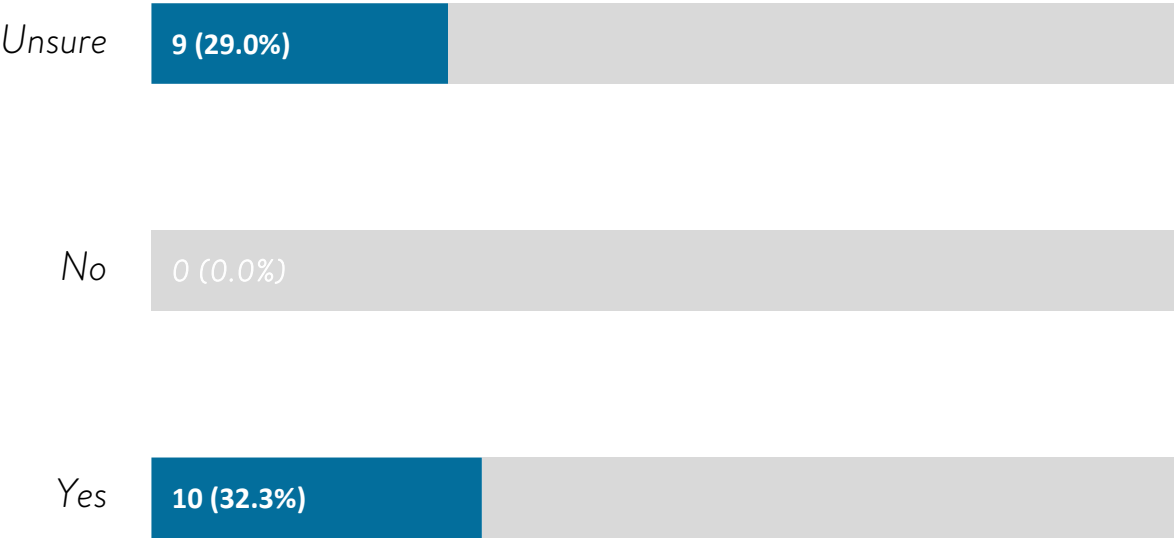
Other

0 (0.0%)



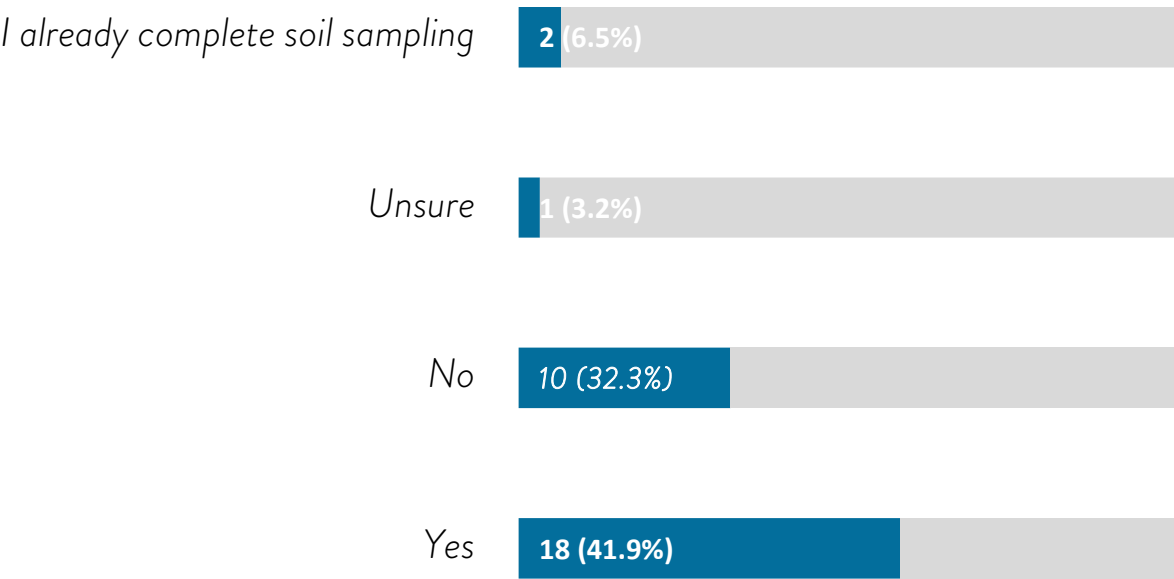
14. Do you use phosphorus-free fertilizer (noted by the zero in the middle number describing the fertilizer blend)?

Of the 31 respondents, 9 (29.0%) were unsure if they used phosphorous-free fertilizer, 0 (0.0%) do not use phosphorous-free fertilizer, and 10 (32.3%) do use phosphorous-free fertilizer.



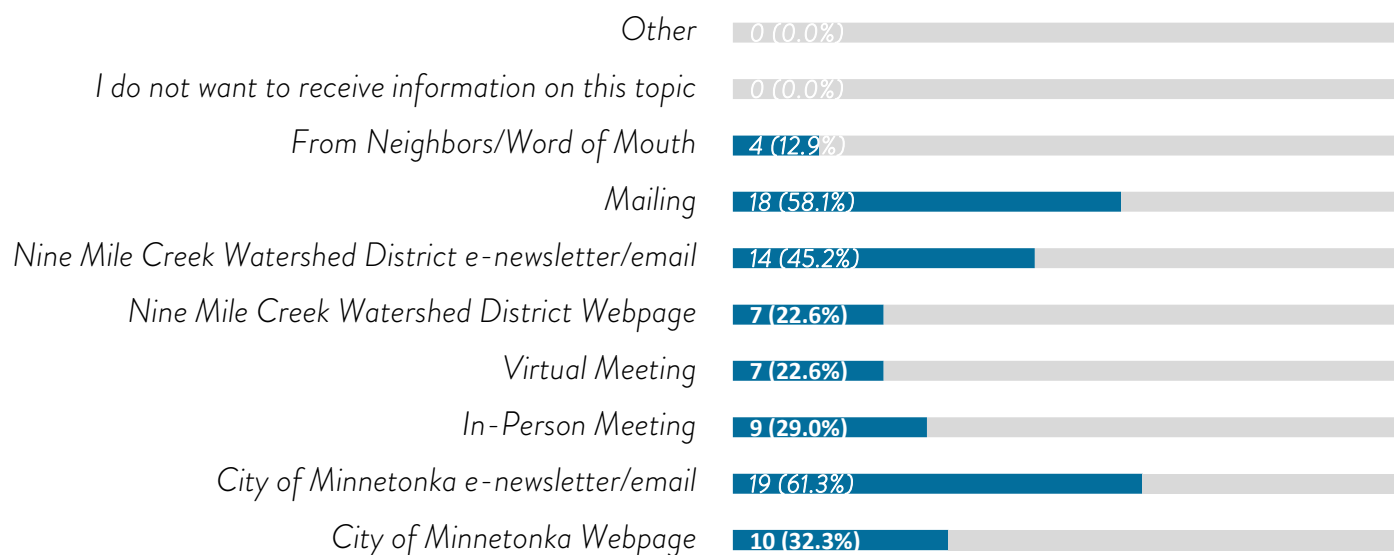
15. Would you like to participate in a free soil sampling program to learn best strategies for maintaining the health of your lawn?

Of the 31 respondents, 2 (6.5%) already complete soil sampling on their lawn, 1 (3.2%) were unsure if they would be willing to participate in free soil sampling, 10 (32.3%) were not willing to participate in free soil sampling, and 18 (41.9%) were willing to participate in free soil sampling.



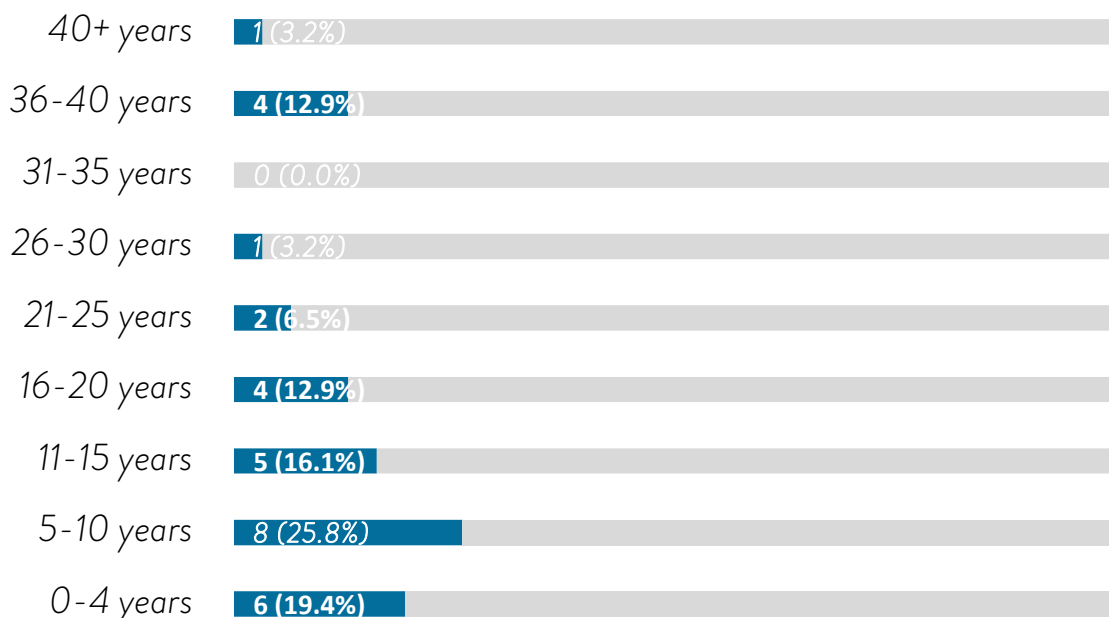
16. How would you prefer to receive information about the Lake Holiday, Wing Lake, and Lake Rose water quality study and future projects?

Of the 31 respondents, 10 (32.3%) preferred to receive information from the city of Minnetonka webpage, 19 (61.3%) preferred to receive information from the city of Minnetonka e-newsletter/email, 9 (29.0%) preferred to receive information from an in-person meeting, 7 (22.6%) preferred to receive information from a virtual meeting, 7 (22.6%) preferred to receive information from the Nine Mile Creek Watershed District webpage, 14 (45.2%) preferred to receive information from the Nine Mile Creek Watershed District e-newsletter, 18 (58.1%) preferred to receive information from a mailing, 4 (12.9%) preferred to receive information from neighbors/word of mouth, 0 (0.0%) did not want to receive information on the water quality study or future projects, and 0 (0.0%) preferred to receive information from an unlisted option.



17. How long have you lived at your current residence?

Of the 31 respondents, 6 (19.4%) have lived in their current residence for 0-4 years, 8 (25.8%) have lived in their current residence for 5-10 years, 5 (16.1%) have lived in their current residence for 11-15 years, 4 (12.9%) have lived in their current residence for 16-20 years, 2 (6.5%) have lived in their current residence for 21-25 years, 1 (3.2%) have lived in their current residence for 26-30 years, 0 (0.0%) have lived in their current residence for 31-35 years, 4 (12.9%) have lived in their current residence for 36-40 years, and 1 (3.2%) have lived in their current residence for 40+ years.



18. Would you like to add any additional comments, information, or stories about this lake? You may also share a photo on the next question. Please describe the photo here, if sharing one.

This question was open ended and gathered no statistical data. Spelling and grammar mistakes were not corrected, see responses below:

- *I'm disappointed to learn of her another water study when precious mitigation strategies weren't undertaken.*
- *We would really appreciate more guidance in what can be done to improve the quality of this lake. Various neighbors have tried over past years to encourage working on this project and we would like to see more attention with help from the city and any other responsible sources.*
- *When we moved in 20 yrs ago, the lake was beautiful and plant free. It was great for about 5 yrs and then went downhill. Wildlife has disappeared, golf balls, bottles, garbage are seen in the wtaer frequently. We don't enjoy viewing the lake any longer especially in the fall when the vegetation rots. We did have a group to solicit help from council in ridding the lake of lily pads but didn't get very far with that. The group treated the lake one year and did our shoreline even though we said not to. We then had 3 deer die in our yard (fawns) and something else near our air conditioner which broke our air conditioner. We do NOR support treating the lake with chemicals unless done by properly trained professionals and it's something that won't hurt wildlife. Also, after treatment, the lack of lily pads allowed other "weeds" to grow in the lake so it wasn't any better. Please save out lakes!*
- *Thank you so much for raising this issue.*
- *This lake used to be open water until somebody threw in a lilypad*
- *None*
- *When I first moved to Minnetonka, there was only a small patch of lily pads at the southeast edge. They have multiplied to overtake the lake. So badly that one year a deer got entangled and drowned. The city said they would let nature take it's place and left it to rot us pulling it out. In addition, we believe it has been treated like a runoff pond. Although there are som grit chambers, we have no idea how regularly these are cleaned. Algae blooms are now regularly occurring in the summer. Especially difficult during this drought year the wter levels have been low and the lilies were curling up above the water. Even the geese left because there really wasn't anywhere to swim at one point. We believe dredging some of the silt our of the lake would provide the most benefit long term!*

18. Continued

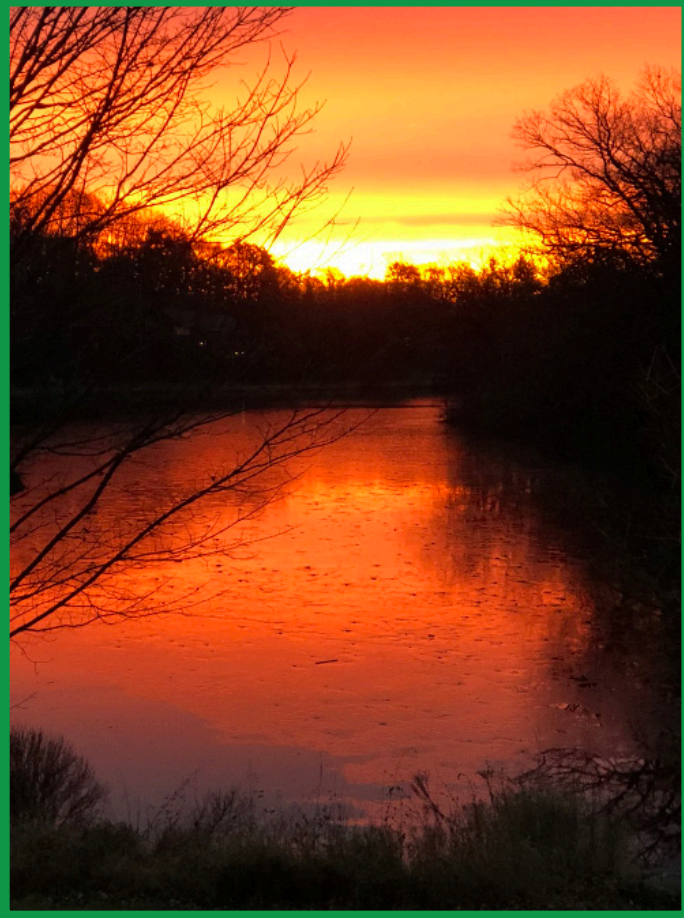
- We feel very strongly that Wing Lake needs to be dredged. It is the City and Watershed District's responsibility to do this and correct the problem they caused. In 2006 the Wing Lake neighborhood association was formed by a large group of concerned neighbors. Our goals were to "promoting the appreciation, restoration, and conservation of Wing Lake. to enhance, preserve, and protect its water quality and ecosystem at the highest possible level." In 2008 survey - almost identical to this was sent out and the results were summarized by Barr Engineering. We performed water sampling and Barr did an extensive analysis of the 2 lakes. Their recommendations/proposals were considered weak, unconstructive, and disheartening (and nothing has been done). We are frustrated that money is being spent on another survey and water quality analysis when no action was taken after the last analysis. We feel that property values for homes on Wing Lake are being negatively impacted by the condition of the Lake.
- The lake needs better drainage from the streets so that all that crap doesn't end up in the lake especially from Highland. The former lake association tried to work with the city but few if any results, The same association did plant some native planting on the east side of the lake and that certainly could be expanded.
- new to neighborhood
- We have replaced 80% of our sod with native plants/grasses. We do not use any type of grass fertilizer. Since we've lived here, Wing Lake has gotten significantly more lily pads on it every year.
- Wing Lake looking South

19. Would you like to share a photo of the lake? (separate question for online survey to provide place to upload photos)

Respondents had the opportunity to send in pictures through the online survey and the paper survey. The pictures submitted in the Wing Lake are below.



19. Continued



LAKE ROSE SURVEY RESULTS

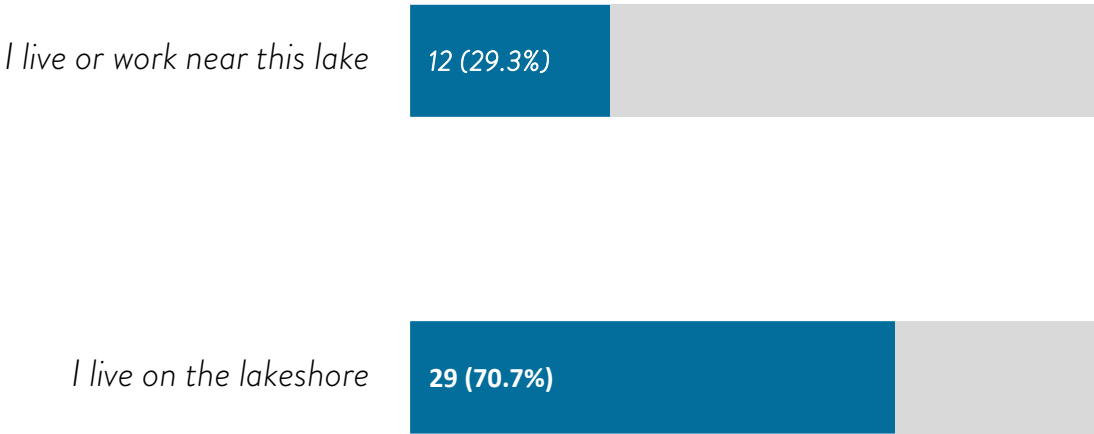
1. How was the survey submitted?

Of the 41 respondents, 25 (61.0%) completed the survey online and 16 (39.0%) completed the survey in a paper format.



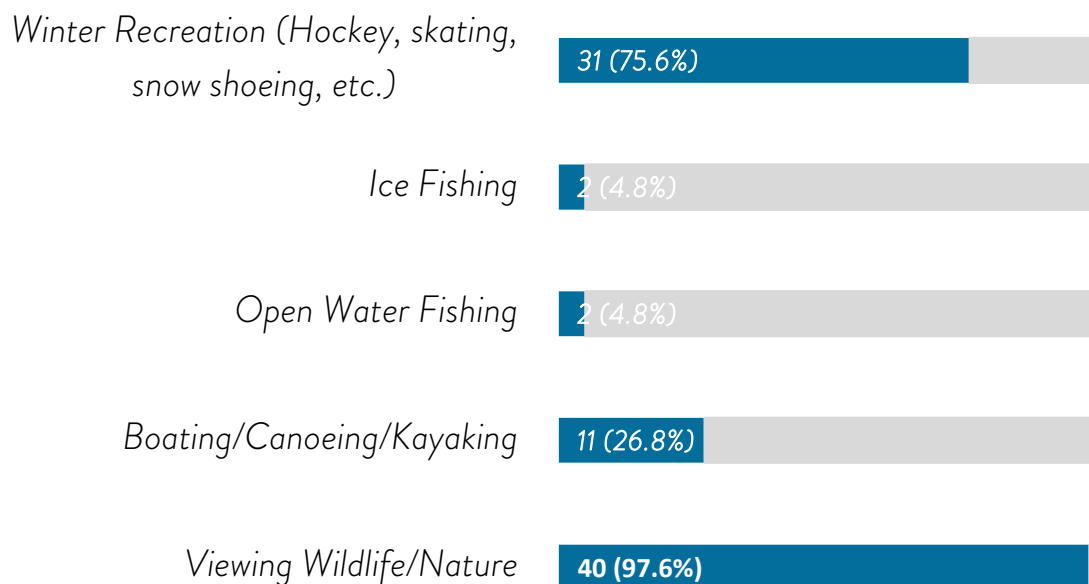
2. Where is your property relative to this lake?

Of the 41 respondents, 12 (29.3%) live or work near Lake Rose and 29 (70.7%) live on the shore of Lake Rose.



3. What kinds of activities do you do on or near the lake?

Of the 41 respondents, 31 (8 daily, 16 weekly, and 8 monthly, 75.6%) recreate on Lake Rose in the winter, 2 (monthly 4.8%) ice fish on Lake Rose, 2 (1 weekly and 1 monthly, 4.8%) open water fish on Lake Rose, 11 (2 weekly and 9 monthly, 26.8%) boat/canoe/kayak in Lake Rose, and 40 (33 daily, 4 weekly, and 3 monthly, 97.6%) view wildlife/nature on Lake Rose.



4. What other activities do you do on or near the lake (include frequency)?

This question was open ended and gathered no statistical data. Spelling and grammar mistakes were not corrected, see responses below:

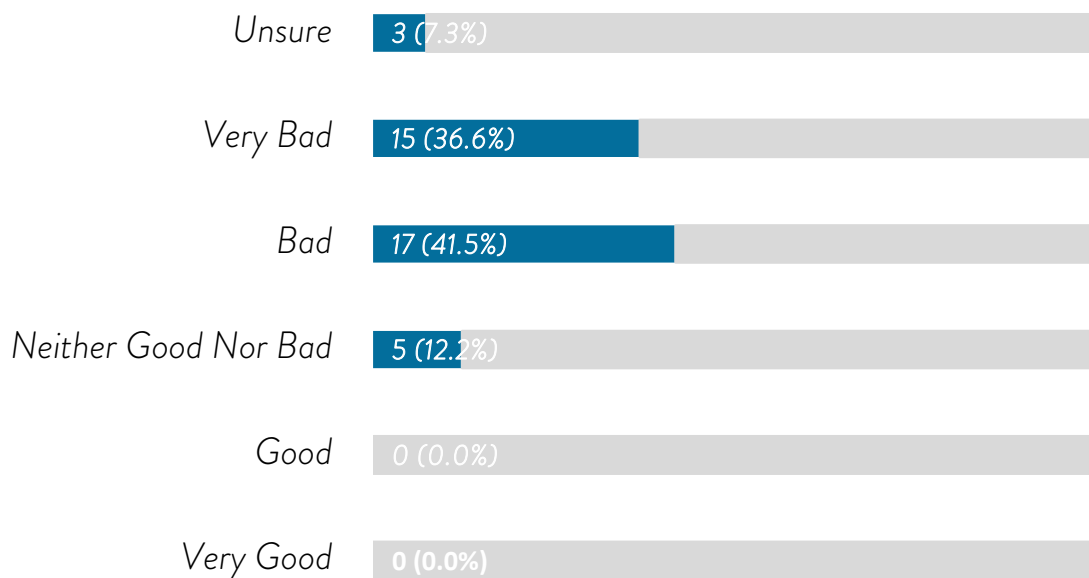
- Daily dog walks on trails close to the shoreline. Bird watching on a daily basis.
- we'd love to go canoeing/ paddle boarding if the lake quality was better - daily
- we enjoy hanging out by the lake, walking or skating on the lake in winter, taking the paddle boat out in the summer. We would go out more, but the lake has an increasing amount of weed making it difficult for the paddle boat.
- Hiking, playing in the snow with the kids
- Walking along the lake wherever possible (2 public parks)
- Look at it
- walking
- Walking

4. Continued

- *Habitat restoration*
- *Restoration work*
- *walk trails (lake rose park[s])*
- *I garden. We have several organic, Minnesota native gardens filled with perennials, grasses, sedges, trees and shrubs.*
- *Time in my backyard - daily*
- *Only wildLife- fishing canoeing no long are available do to lake filling with sediment. We use too weekly. Construction to close the lake and lowering levels has put this lake in high jeopardy.*
- *We used to canoe frequently - but the Lake is now overgrown and we cannot do this anymore.*
- *Walk near Lake Rose and Wing Lake, used to canoe on Rose*
- *Just looking at it! Love Lake Rose!*
- *Boat/canoe/kayak once in awhile. It gets clogged quickly with lily pads. We never tire of looking out our window at the lake! The lake view is like a piece of interactive art right in our living room!*
- *Too many weeds for boating, kayak , or canoeing*
- *HH has cross country skied, taken dogs out on lake, skated, mor in the past than now given condition of lake*
- *Campfires, gardening, entertaining on our deck, taking photos of wildlife, sunrises, cloud formations, and the moon over Lake Rose.*
- *enjoy watching others using the lake for winter recreation*
- *I do nothing more on Lake Rose because it's essentially not a lake anymore at my end of the lake. It's cattails.*
- *Hike/run/walk dog at Lake Rose Park.*
- *Walking*
- *If the quality of the water were better, the fish could thrive more and we would consider fishing! Generally, the conditions of the lake prevent it from being used as frequently as it could be by Lake Rose residents.*
- *Walk around lake walk on lake during (unclear) ice skate*

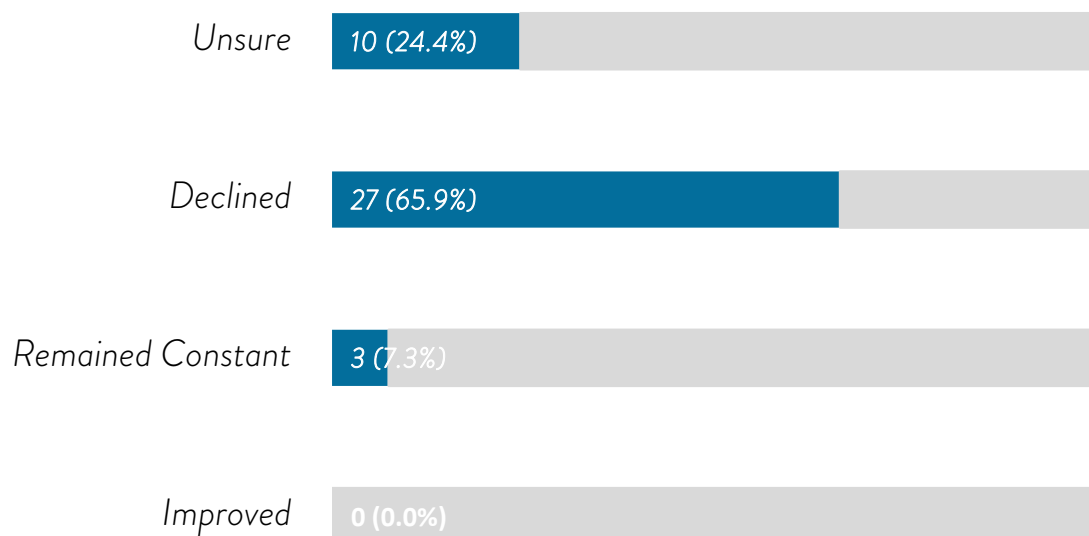
5. How do you perceive the current health of the lake?

Of the 41 respondents, 3 (7.3%) were unsure how they perceived the current health of Lake Rose, 15 (36.6%) perceived Lake Rose's health as very bad, 17 (41.5%) perceived Lake Rose's health as bad, 5 (12.2%) perceived Lake Rose's health as neither good nor bad, 0 (0.0%) perceived Lake Rose's health as good, and 0 (0.0%) perceived Lake Rose's health as very good.



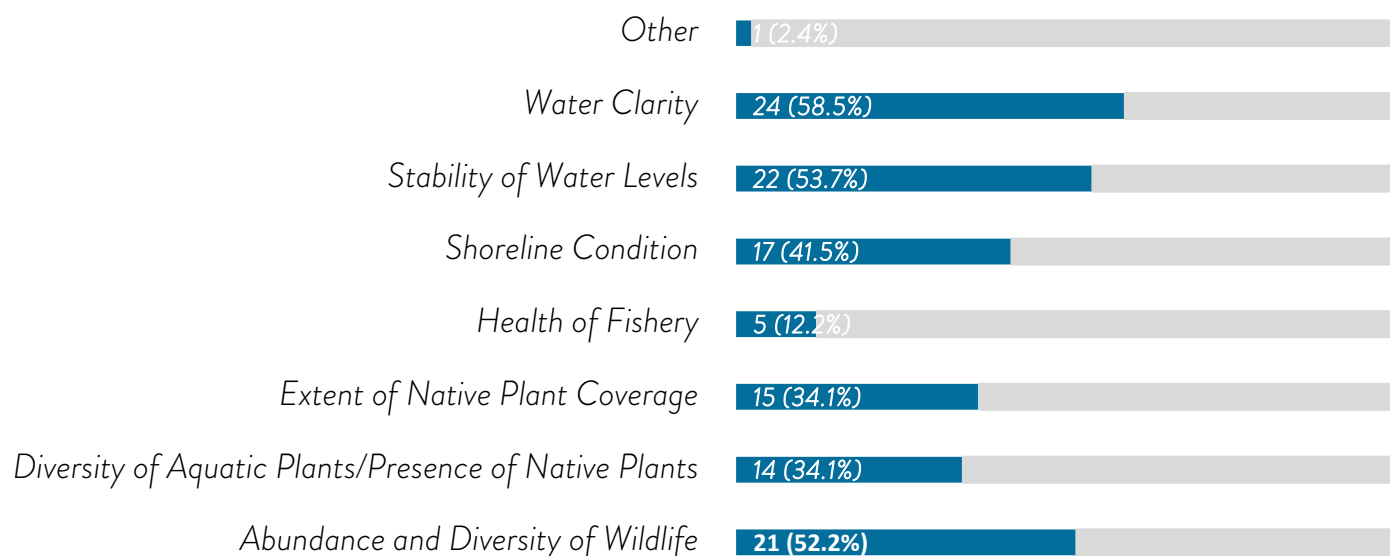
6. How has water clarity (how far you can see down into the water) changed since you have lived (or worked) on or near the lake?

Of the 41 respondents, 10 (24.4%) were unsure how the water clarity in Lake Rose has changed since living (or working) on or near the lake, 27 (65.9%) thought clarity in Lake Rose has declined since living (or working) on or near the lake, 3 (7.3%) thought clarity in Lake Rose has remained constant since living or (working) on or near the lake, and 0 (0.0%) thought clarity in Lake Rose has improved since living (or working) on or near the lake.



7. What do you think are the three most important criteria for judging the overall health of this lake?

Of the 41 respondents, 24 (58.5%) ranked water clarity amongst their top three criteria for lake health, 22 (53.7%) ranked stability of water levels amongst their top three criteria for lake health, 17 (41.5%) ranked shoreline condition amongst their top three criteria for lake health, 5 (12.2%) ranked health of fishery amongst their top three criteria for lake health, 15 (34.1%) ranked extent of plant coverage amongst their top three criteria for lake health, 14 (34.1%) ranked diversity of aquatic plants and presence of native plant species amongst their top three criteria for lake health, 21 (52.2%) ranked abundance and diversity of wildlife amongst their top three criteria for lake health, and 1 (2.4%) ranked other amongst their top three criteria for lake health—"Water quality".



8. What do you value and/or appreciate about this lake?

This question was open ended and gathered no statistical data. Spelling and grammar mistakes were not corrected, see responses below:

- *I love the wildlife habitat that attracts birds and other critters to the lake. It is a peaceful place to take daily walks with the dogs and my wife.*
- *The seclusion & wildlife*
- *I love the wildlife that is attracted to Lake Rose. I love seeing people out enjoying the lake in the winter. I love sitting by the lake and enjoying the cool breezes.*
- *The neighbors and their dedication to upkeep surrounding this lake (mostly the woods).*
- *The open space, plus the Lake Rose parks for access to the water's edge.*
- *Wildlife (bird songs, etc.), scenery, quietness*
- *Bio diversity/water quality*
- *Changing scenery with the seasons and wildlife it attracts*

8. Continued

- Natural environment
- The view and the attached with park land
- Wildlife, open space in winter, scenic views
- habitat and resource for wildlife
- It is small. Not many people know about it, so it is not overused. There are several areas that have natural buffers.
- Wildlife ability to put a canoe in the water easily - too many lily pads now. I value being able to enjoy it. I value a higher water level during normal rainfall periods
- The wild life it use to bring aquatic and land dwellers now.. only land dweller & decrease due to the unhealthiness of the lake
- In the past - Extensive birding. LOTS of migratory birds. We used to love to canoe here. Now - Bird species have changed due to the change in plants cannot canoe - too weedy. This Lake is beautiful to live on!
- We moved here and live across the street from Lake Rose - we loved the lake! We saw many egrets and waterfowl we canoed and snowshoed on the lake. In spring we heard so many frogs.
- Its beauty and wildlife!
- The view overlooking water rather than other people's houses. The beauty, peacefulness and serenity of the lake setting. Observing all the changes on the lake (daily!), driven by weather, time of day, and the seasons. Observing all the wildlife activity. The lake is the main reason we want to continue living here as long as possible!
- We love to ski in the lake!
- it is better than neighbors -viewing wildlife
- Beauty
- That it is a quiet oasis for the area, whether to walk along, to just look out on, or for any activities on the lake itself, though they are considerably limited now,
- A large open area behind my house. Great dog walking area in winter.
- I do not live on the lake or have any desire to use it.

8. Continued

- *Daily I watch the birds, ducks and other water birds during the summer. In the winter I feed and watch the birds.*
- *Wildlife, the view and privacy.*
- *The view it provides as well as the abundance of wildlife*
- *I used to value the beauty of the lake and seeing geese and ducks land on it. I used to value the sound and sight of the rushing water into the lake from the tributary next to my house after rainfalls . But I enjoy none of those things because the lake that used to border my property I can't even see anymore. No lake, just cattails. The tributary is vacant of water, it's just a muddy sludge hole. If any water does get to the lake, it just backs up and sinks into the tributary or floods my next door neighbor's up to their patio. I'm afraid my house will be next.*
- *view and birds*
- *Proximity to home, loon calls*
- *Beauty, wildlife, low level of noise*
- *I love being able to see the wildlife that uses the lake.*
- *Open to public*
- *View and wildlife*
- *First, THANK YOU so much for asking about Lake Rose. We love it so much and have been concerned about it over the past several years. We love the natural wildlife that surrounds and uses the lake, like ducks, muskrats, birds, mink, and deer. We greatly appreciate the portions with open water, which creates a lot of tranquility.*
- *Wildlife, winter space for walking playing*
- *the wildlife*
- *I appreciate this lake most in the winter when its frozen. My dog and I like to run and walk on it.*

9. What are some issues or concerns that you have regarding this lake?

This question was open ended and gathered no statistical data. Spelling and grammar mistakes were not corrected, see responses below:

- *Destruction of habitat and harassment of wildlife by residents.*
- *The water levels are low, abundance of algy/lillys and it's approaching bog like status*
- *We have been on this lake for 4 years. It is alarming how quickly it is changing. The first year the point was passable by paddle boat or kayak the 2nd only by kayak (just), it is now an almost landbridge. The lillies and other lake plants are so abundant there is little to no open water. I worry that erosion, nutrient from gardens, pesticides, and lawn fertilizer are destroying the lake. This year the shoreline looked to be 20 ft back from where it normally is. I am very interested in helping to preserve this lake and the flora and fauna that depend on it.*
- *The overgrowth of (to my understanding) non native growth in the lake that has taken over the ability to canoe/kayak and skate on large portions in the winter.*
- *Over abundance of lake weeds due to fertilizer*
- *Seems to get invaded by plants, in particular cattail. Access to canoe or ski is more difficult every year. Feels like the lake is going to disappear, filled with plants, and soil/sediments*
- *Water quality. Abundance of lily pads*
- *cat tales and Lily pads have prevented any usefulness during summer*
- *Deforestation and denaturalization*
- *Drainage from Wing Lake, through my yard to reed blocked lake is putting my house in flood jeopardy*
- *Sedimentation, aquatic invasive species, nutrient loading and pollution, homeowner practices that negatively affect lake/water quality*
- *low/fluctuating water level; lots of aquatic plants; neighbors cutting cattails and other plants for a "view"*

9. Continued

- The amount of herbicides and fertilizer that go into the lake from homeowners who want “green” lawns. I just watched a neighbor across the lake raze his yard, only to put in sod all the way down to the lake.
- - over use during winter - lawn chemicals running into the lake system - too many lily pads > chokes the fish out - too much pond weed - almost no turtles, used to be very abundant - frogs seem to be down too
- Sediment collecting - construction that has occurred that should not have & the city looked the other way. This should be dredged and give this lake CPR. We use to have sunfish, carp, bull heads leopard frogs, & a lot more wild life 10years ago then we do now. The lake is not healthy, levels are ultra low even though all levels are this year. Water clarity is bad and some vegetation cannot survive.
- Cattails - We NEVER had them - now they are rampant. Green plants - The Lake seems overrun! No more clean days of canoeing. -lawn fertilizer - we stopped using lawn fertilizer. Many of our neighbors still use. They believe I am violating a city code by not keeping our yard weed free! (We garden and mow. It looks well-kept. But, yes, there are weeds!). - I would like my neighbors to join us in protecting the lake. I don't think they really believe that their actions have an effect.
- I feel this survey is about 10 years at least too late. There is no bringing back lake Rose I feel. Cattails have overtaken most of the lake. I know groups that were formed and money raised to help save Lake Rose and Wing Lake and nothing was done. It saddens me so much when I look out our window and our portion of Lake Rose is now gone.
- Peoples use of fertilizers/pesticides and chemicals
- We are very concerned about low water levels in the lake and the fact that it seems to be getting “choked” by an overabundance of vegetation. Much of the surface is lily pads now. The “shoreline” down the street from us looks like marshland now. Sometimes “chunks” of vegetation from that end break off and float away and get lodged in the middle of the lake. We're afraid the lake is in the process of “dying”. We have heard that people have pumped the lake or manipulated spring fed sources in the past. Not sure if this is true, but very upsetting if it accounts for low water levels now!
- Over the years the Lake Rose became smaller and less and less you can see in the lake because of the tall reeds that covered the whole lake.
- Lake Rose is being taken over by water lily and other plants

9. Continued

- Excess plant growth in and around lake. Lower water levels.
- When we moved here, the creek actually flowed (very audibly) into the lake. Now it is almost always dry or nearly so, The lake extended considerably farther onto surrounding property and was much clearer. At some time in the past, the city (?) brought equipment in that seemed to stir up things in the creek and the lake. From then on, the creek and lake declined dramatically. It has now become a weedy swamp more than the lake it was before. We would love to try to restore it. It was such a soothing and important part of the neighborhood and it's sad to see its current state.
- Too much aquatic plants.
- none
- The shoreline bogs are becoming wider each season.
- Lack of water due to overflow drain lowered on east end with city approval. A contractor illegally dredged east end to build 4-5 homes. These homes had water issues in their backyards, so overflow drain was lowered.
- Water level and increase in vegetation taking over the lake
- Shape of tributary, proliferation of cattails- -the lake touched my property and was a sparkling body of water that enticed waterfowl to it. All of that is gone from my end of the lake; it is now an area of cattails and I can't see any water...not for years now.
- Too much Fertilizer going in lake
- Weedy, algae
- Lillypads, variation in water level, Bullrushes bifurcating the lake
- The lake has too many lily pads and other weeds to be able to kayak and swim.
- Lily pad overgrowth and algae
- Water level, plants overtaking the open water
- Dense vegetation growth
- Too many lilypads, chemical runoff from yards, water scarcity
- I worry about the lily pad multiplication - it is overwhelming the lake.

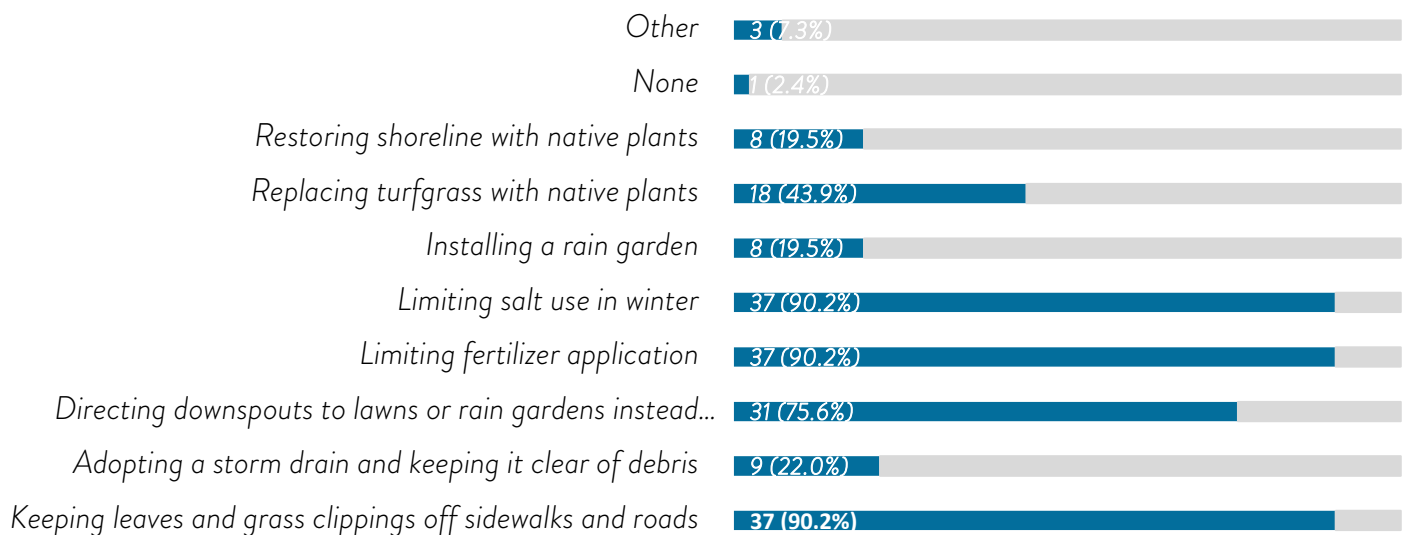
9. Continued

— “We have several concerns regarding Lake Rose.

- 1) The lake has been increasingly overtaken by vegetation.
- 2) The water clarity has decreased significantly.
- 3) The fish population, which was not large to begin with, seems to have dwindled.
- 4) The bottom of the lake seems to have become muckier.
- 5) The lake originally had two large sections that were connected by a ~30 feet wide channel. A couple years ago, a bog drifted into the center of the channel, got lodged, and is now blocking meaningful water flow between the sections of the lake.
- 6) The water level dropped ~18 inches this year (that’s our guess).”

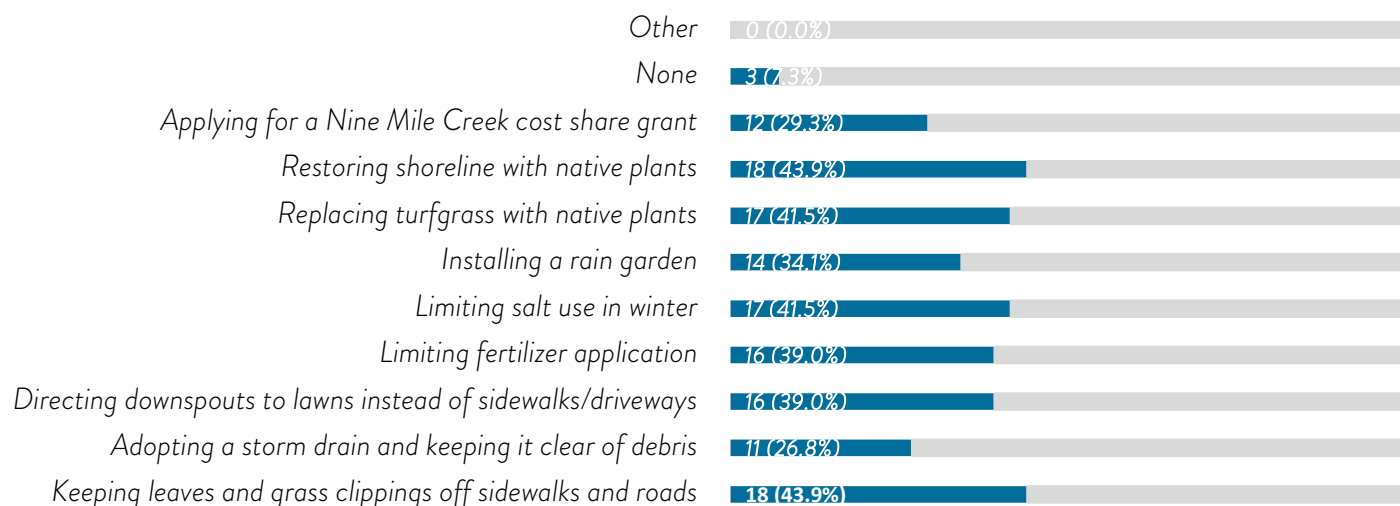
10. What activities do you currently take to improve the water quality of this lake?

Of the 41 respondents, 1 (2.4%) did not do any activities listed to improve the water quality of Lake Rose, 8 (19.5%) restored shoreline with native plants to improve the water quality of Lake Rose, 18 (43.9%) replaced turf grass with native plants to improve the water quality of Lake Rose, 8 (19.5%) installed a rain garden to improve the water quality of Lake Rose, 37 (90.2%) limited salt use in winter to improve the water quality of Lake Rose, 37 (90.2%) limited fertilizer application to improve the water quality of Lake Rose, 31 (75.6%) directed downspouts to lawns to improve the water quality of Lake Rose, 9 (22.0%) adopted a drain to improve the water quality of Lake Rose, and 37 (90.2%) keep leaves and grass off sidewalks and roads to improve the water quality of Lake Rose. 3 (7.3%) respondent submitted other, “No pesticides or weed killers,” “Removal of buckthorn”, “Shoreline has native plants”.



11. What new actions are you willing to adopt to improve the water quality of this lake?

Of the 41 respondents, 3 (7.3%) will not do any of the listed activities to improve the health of Lake Rose. 12 (29.3%) will apply for a cost share grant to improve the water quality of Lake Rose, 18 (43.9%) will restore shoreline with native plants to improve the water quality of Lake Rose, 17 (41.5%) will replace turf grass with native plants to improve the water quality of Lake Rose, 14 (34.1%) will install a rain garden to improve the water quality of Lake Rose, 17 (41.5%) will limit salt use in winter to improve the water quality of Lake Rose, 16 (39.0%) will limit fertilizer application to improve water quality of Lake Rose, 16 (39.0%) will direct downspouts to lawns to improve the water quality of Lake Rose, 11 (26.8%) will adopt a drain to improve the water quality of Lake Rose, and 18 (43.9%) will keep leaves and grass clippings off sidewalks and roads to improve the water quality of Lake Rose. 0 (0.0%) respondents submitted other.



12. Do you fertilize your lawn?

Of the 41 respondents, 24 (58.5%) do not fertilize their lawn or hire someone to fertilize their lawn, 7 (17.1%) hire a contractor to fertilize their lawn, and 10 (24.4%) fertilize their lawn themselves.

No, I do not fertilize my lawn or hire someone to fertilize my lawn

24 (58.5%)

Yes, I hire a contractor to fertilize my lawn

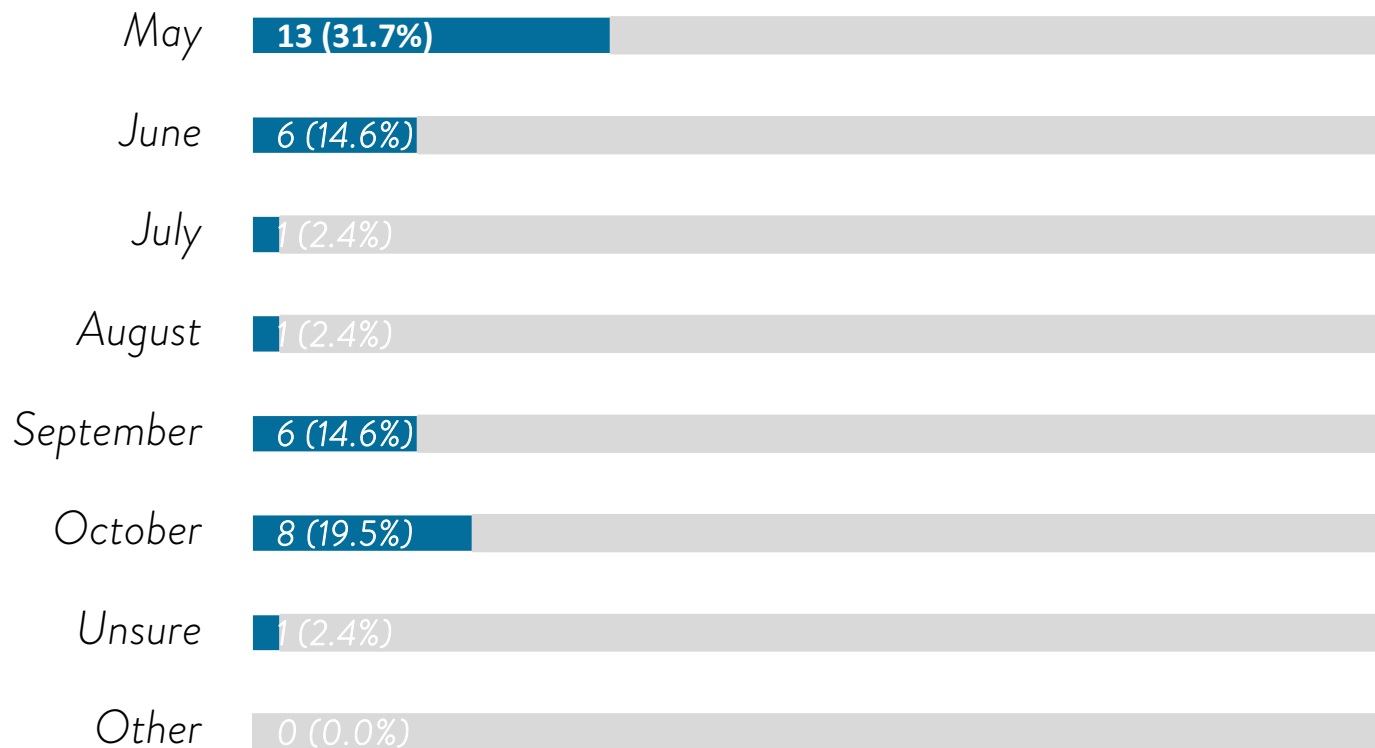
7 (17.1%)

Yes, I fertilize my lawn or someone in my household fertilizes the lawn

10 (24.4%)

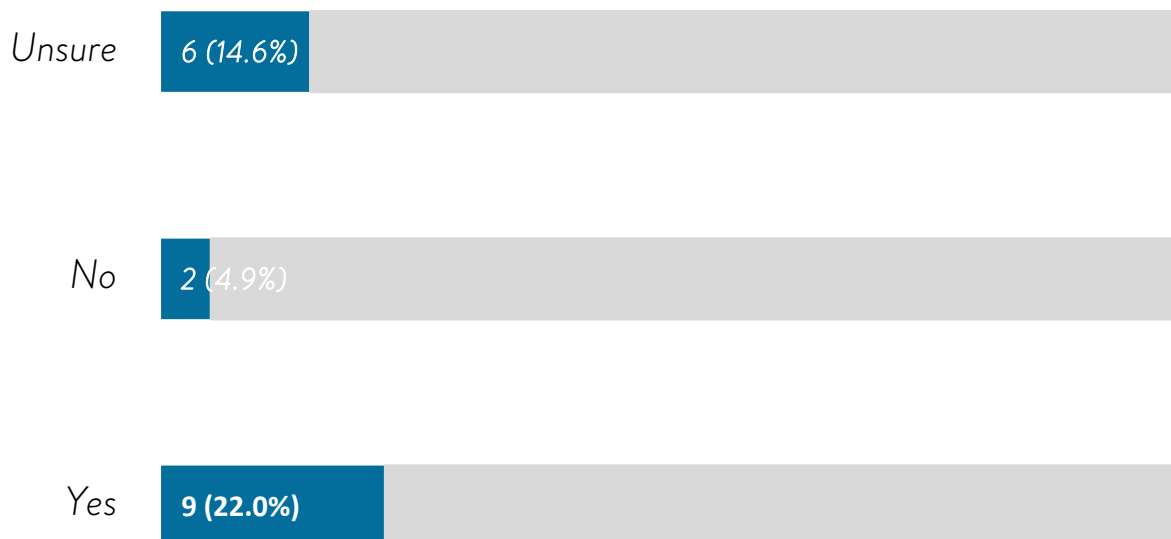
13. When do you fertilize your lawn?

Of the 41 respondents, 24 (58.5%) do not fertilize their lawn, 1 (2.4%) is unsure when they fertilize their lawn, 8 (19.5%) fertilize their lawn in October, 6 (14.6%) fertilize their lawn in September, 1 (2.4%) fertilize their lawn in August, 1 (2.4%) fertilize their lawn in July, 6 (14.6%) fertilize their lawn in June, 13 (31.7%) fertilize their lawn in May. Of the 16 respondents that fertilized their lawn and knew when they fertilized their lawn, 5 fertilize their lawn once a year, 8 fertilized their lawns twice a year, 2 fertilized their lawn four times a year, and 1 fertilized their lawn six times a year.



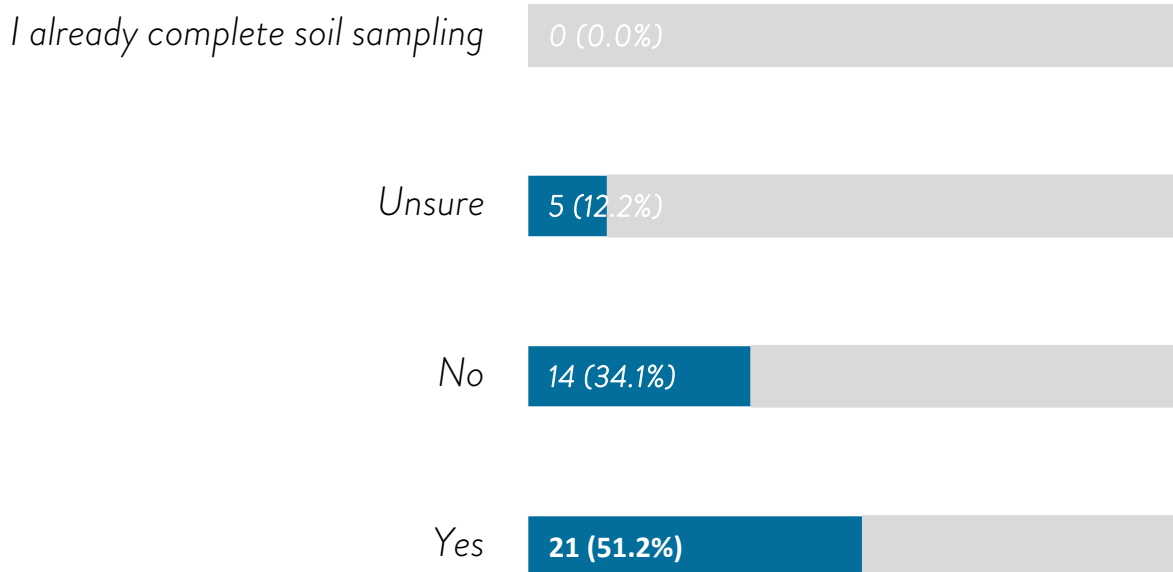
14. Do you use phosphorus-free fertilizer (noted by the zero in the middle number describing the fertilizer blend)?

Of the 41 respondents, 6 (14.6%) were unsure if they used phosphorous-free fertilizer, 2 (4.9%) do not use phosphorous-free fertilizer, and 9 (22.0%) do use phosphorous-free fertilizer.



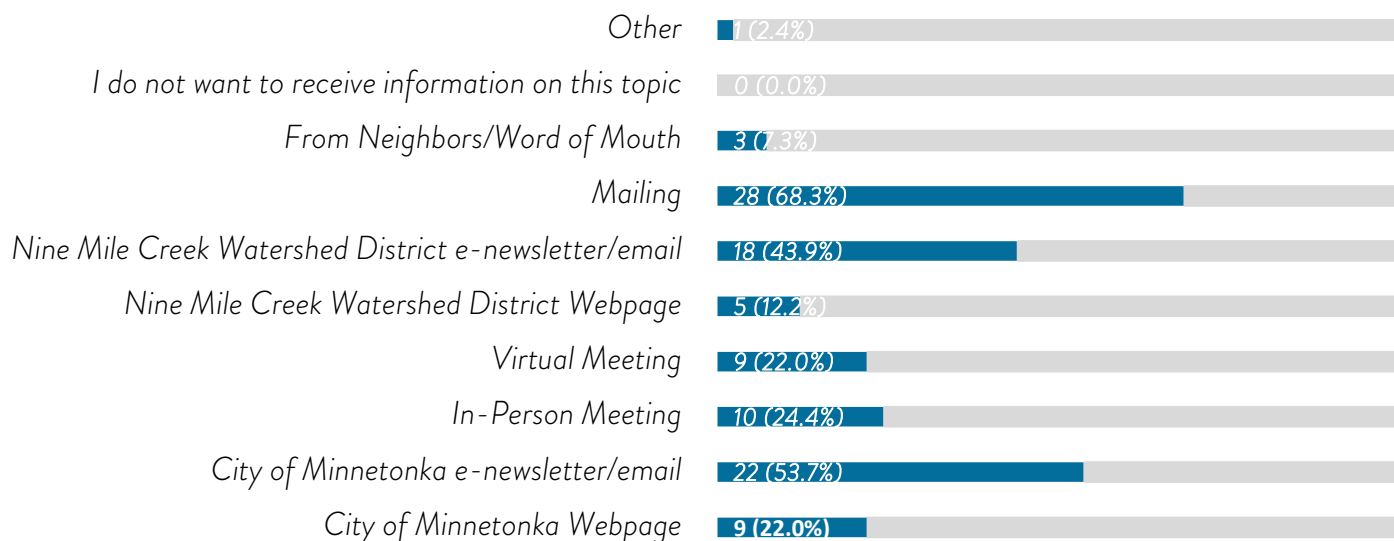
15. Would you like to participate in a free soil sampling program to learn best strategies for maintaining the health of your lawn?

Of the 41 respondents, 0 (0.0%) already complete soil sampling on their lawn, 5 (12.2%) were unsure if they would be willing to participate in free soil sampling, 14 (34.1%) were not willing to participate in free soil sampling, and 21 (51.2%) were willing to participate in free soil sampling.



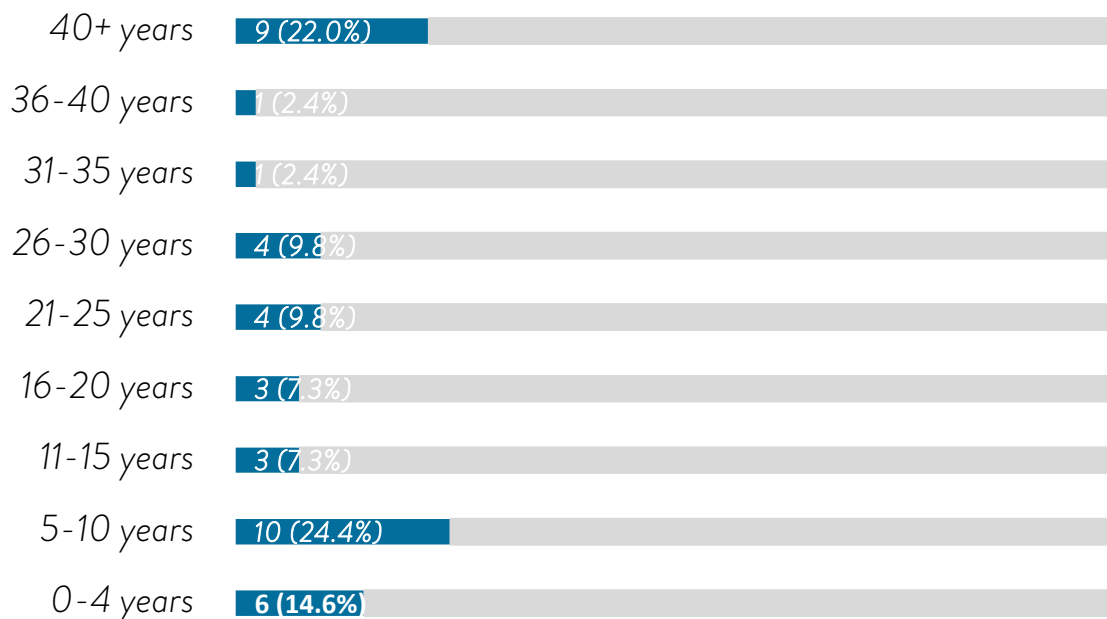
16. How would you prefer to receive information about the Lake Holiday, Wing Lake, and Lake Rose water quality study and future projects?

Of the 41 respondents, 9 (22.0%) preferred to receive information from the city of Minnetonka webpage, 22 (53.7%) preferred to receive information from the city of Minnetonka e-newsletter/email, 10 (24.4%) preferred to receive information from an in-person meeting, 9 (22.0%) preferred to receive information from a virtual meeting, 5 (12.2%) preferred to receive information the Nine Mile Creek Watershed District webpage, 18 (43.9%) preferred to receive information from the Nine Mile Creek Watershed District e-newsletter, 28 (68.3%) preferred to receive information from a mailing, 3 (7.3%) preferred to receive information from neighbors/word of mouth, 0 (0%) did not want to receive information on the water quality study or future projects, and 1 (2.4%) preferred to receive information from an unlisted option—Nextdoor



17. How long have you lived at your current residence?

Of the 41 respondents, 6 (14.6%) have lived in their current residence for 0-4 years, 10 (24.4%) have lived in their current residence for 5-10 years, 3 (7.3%) have lived in their current residence for 11-15 years, 3 (7.3%) have lived in their current residence for 16-20 years, 4 (9.8%) have lived in their current residence for 21-25 years, 4 (9.8%) have lived in their current residence for 26-30 years, 1 (2.4%) has lived in their current residence for 31-35 years, 1 (2.4%) has lived in their current residence for 36-40 years, and 9 (22.0%) have lived in their current residence for 40+ years.



18. Would you like to add any additional comments, information, or stories about this lake? You may also share a photo on the next question. Please describe the photo here, if sharing one.

This question was open ended and gathered no statistical data. Spelling and grammar mistakes were not corrected, see responses below:

- *It would be great if there were consequences for people who destroy wildlife habitat on public land. It seems there are no repercussions for people who openly and intentionally do these things.*
- *We really appreciate the committee looking into improving our lake!*
- *I am wondering what financial assistance the city can give me to install a rain garden closer to the lake. I've noticed there are some slopes near the lake (on my property) that have a hard time growing plants. I would love advice on this. Access to free native plants would be huge! Would the city be able to instal a solar powered aerator to help with water quality and aquatic life? Would it be good for the lake to remove some of the plant life? I would be happy fto do it (with others) if the city can provide instruction and equipment.*
- *Love viewing the seasonal changes of the lake and the surrounding trees*

18. Continued

- *I am so impressed with the community and their dedication to Lake Rose and the neighborhood. We moved in 4 years ago and the home was no longer lake front at our time of purchase, so we do not know differently, however I am curious about the growth in our portion of the lake as I am told it is not native. Is this correct? If so that would be my biggest concern. Will it eventually take over even more of the lake? It definitely limits usage. Thank you!*
- *In the 4 years we have lived here we have noticed cattail invasion growing year after year at what we consider a quite alarming rate*
- *when we purchased the house a person could canoe from the shore and paddle across the lake. The cattails and lily pads have gotten so bad, that is no longer possible and is cutting off enjoyable use of the lake. I am including a photo from my lake shore from 2007 and then again today. The lake is definitely not a canoeing lake anymore.*
- *I spent 10 years restoring the habitat surrounding the lake which is now receiving strong neighborhood appreciation and use. However, the drainage from Wing Lake into Lake Rose is now putting my property in jeopardy of flooding. I really need some attention put to this by the 9-Mile Creek District or the City of Minnetonka. I've been trying to get attention to the issue for many years to no avail.*
- *Lake Rose Park is now relatively free of invasive plant species (except shoreline plants) thanks in part to grant funding support of the watershed.*
- *lack of clarity about ownership of shoreline and location of shoreline and property lines*
- *Our neighbors (Name removed) and (Name removed) have done an incredible job of restoring Lake Rose Park with science based practices and involving neighbors to help control invasive species and replace with native sedges, trees, shrubs and perennials. I would love to see (Name removed) help establish native buffer zones along the park's water edges, along Lake Rose Park.*
- *Our family used to canoe in this lake, build ice rinks & all neighborhood kids played hockey. Fish in this lake, I can see out my front bay window. This used to be a beautiful lake and now it is so degraded and unhealthy. It is very sad to see.*
- *Please let us know how we can help. We love Lake Rose and are concerned about its health. We want it to thrive! We would love for the city to consider implementing an aeration system to better control nutrient levels, as well.*
- *Yes*

18. Continued

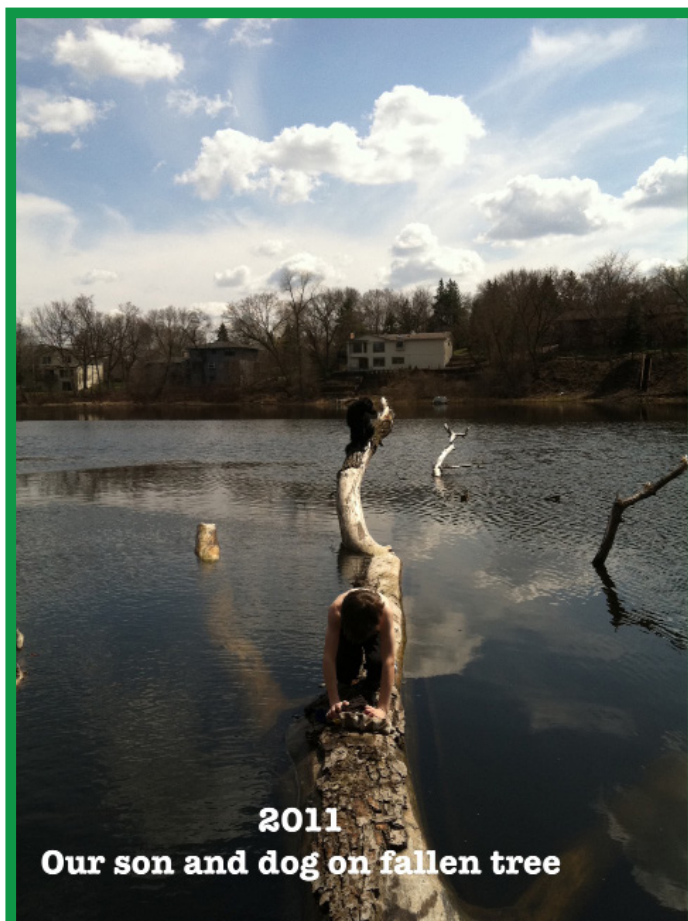
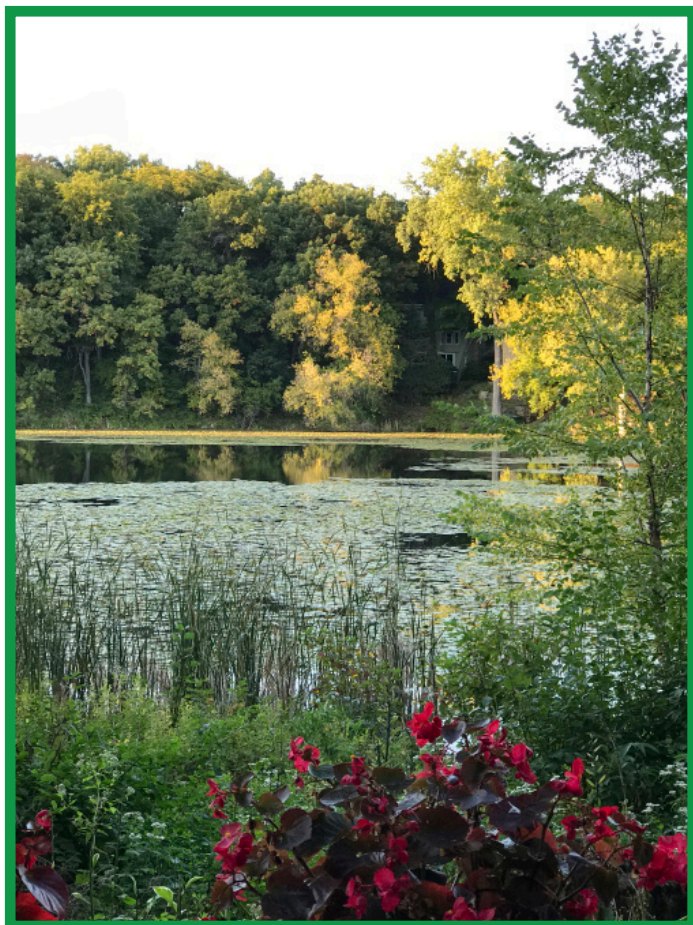
- *Thank you! I was so excited to see this survey in the mail. It means that someone is looking out for this beautiful lake!*
- *At this point I feel in order to bring back water (low water levels are not from this summers drought) lake needs dredging . Not sure how buckthorn is invasive but not cattails. At least control them. All residents who live on the lakes should not be allowed to use harmful products that has ruined these lakes for the sake of perfect lawns.*
- *Thank you*
- *Every time technicians, contractors, etc. come over to do any work on the house, they always stop for a moment to “take in” the view of the lake and say how beautiful it is!*
- *We hope the access to Lake Rose will continue to be open (as we’d had over 30 years)!*
- *Our family loved the lake so much that after it started to change for the worse. after the heavy equipment was brought in to work on it, our son wrote a poem about how sad it was to see what had happened. It made a big impression on us and on the audience who heard it, and it reminds us of what has been lost. We would like to have that problem remedied.*
- *When we moved here in 1971, it was a lake full of water, up to the base of our hill. We raised our children here and they had many wonderful times on the water and on the snow/ice. The city snow plows would access our end of the lake and maintain three ice rinks until the energy crisis in the 1970’s. There were docks, pontoons, snowmobiles, canoes, paddle boats, and rubber rafts. Winter still brings out the skaters, hockey games, cross country skiers and snow shoeing. Since the water level has gone down, the Lilly pads and other vegetation are out of control. There is never enough water to do any of the summer activities. Now, with more water, it could be a beautiful lake to use a paddle board on. Even the wildlife (ducks, geese, egrets, herons, swans) are slowly disappearing due to lack of water. Please, help make this a lake again.*
- *The lake used to be so beautiful that I installed a full view glass front door. You could see through to the lake from the street and neighbors often commented on how pretty the view was. I cleared out all the buckthorn 20 years ago so have a fabulous view of the lake and heard the sounds of waterfowl and and splashing water. No more. I am heartsick and so hopeful there’s something that can be done before it’s too late.*
- *Restore Lake Rose, How to apply for grant, Willing to help*
- *I’ve often considered kayaking or xc skiing on the lake, but there is limited public access. I’d need to drive to another point on the lake or cross my neighbor’s property.*

19. Would you like to share a photo of the lake? (separate question for online survey to provide place to upload photos)

Respondents had the opportunity to send in pictures through the online survey and the paper survey. The pictures submitted in the Lake Rose are below.



19. Continued



19. Continued

