



2024 Greater Lansing Regional Water Education Survey Findings Report

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Executive Summary



Purpose and Methodology

The Greater Lansing Regional Committee for Stormwater Management (GLRC) conducted a water quality survey during the winter of 2024. The purpose of the survey was to gather feedback from residents to determine the effectiveness of regional and local public outreach campaigns on water quality issues in the Greater Lansing region. This is the fourth regional water quality survey conducted by the GLRC. Previous surveys were conducted in 2018, 2012 and 2006.

A five-page survey was mailed to a random sample of households in the Greater Lansing region, which includes the Looking Glass, Red Cedar, and Grand River watersheds. Each survey packet contained a cover letter, a copy of the survey, and a postage-paid return envelope. Residents who received the survey were given the option of returning the survey by mail or completing it on-line at www.GLRCWaterSurvey.org.

ETC Institute followed-up with residents who received the mailed survey and promoted awareness of the survey using social media ads on Facebook and Instagram to encourage participation. All respondents who completed the survey online were required to provide their home address before submitting their responses. ETC Institute then matched the address provided by respondents who completed the survey with the addresses that were selected for the sample to ensure the participant is part of the sample. If a respondent did not provide an address or the address was not part of the sample, it was held separate from the database.

The goal was to obtain completed surveys from at least 600 residents, 200 from each of the three watersheds. The goal was met with 603 completed surveys, and at least 200 from each watershed. The results for the random sample of 603 households have a 95% level of confidence with a precision of at least +/- 3.99%. The results for the random sample of 200 households from each watershed have a 95% level of confidence with a precision of at least +/- 6.93%.

This report contains:

- A summary of the methodology for administering the survey and major findings
- Charts showing the overall results.
- Trend charts comparing the survey results from 2018, 2012 and 2006.
- Tables that show the results for each question on the survey
- Crosstabulations by watershed
- A copy of the survey instrument

The major findings of the survey are summarized in the following pages.



Perceptions of Water Resources

Respondents were asked questions about their current perceptions of water resources in the Greater Lansing region. Some of the major findings are listed below.

- **Concerns About Pollution.** Respondents were asked to indicate their level of concern about pollution in lakes, rivers, and other waterways in the Greater Lansing area. Ninety-five percent (95%) of the residents surveyed are “very concerned” or “somewhat concerned” about the pollution in lakes, rivers, and other waterways. Only 4% of residents said they were not concerned about pollution in waterways.
- **Quality of Water.** Twenty-nine percent (29%) of the residents surveyed say that the quality of the water in lakes, rivers, and streams is “getting much better” or “getting somewhat better.” 41% of residents think the water quality is staying the same. 31% of residents believe that the water quality is “getting somewhat worse” or “getting much worse.”
- **Maintaining Your Home.** Ninety-five percent (95%) of the residents surveyed think the way you maintain your home affects the quality of water in lakes and streams in the community. 5% of residents think that it has no effect.
- **Protecting Water Resources.** Forty-five percent (45%) of residents or someone in their household have acted at their home or in their community to protect water resources in the past 5 years.

Connection of Stormwater Runoff and Water Resources

Respondents were asked questions about stormwater runoff and water resource issues. Selected findings are listed below.

- **Contributing Factors to Pollution.** Respondents were asked to indicate what they thought contributed most to pollution in lakes, rivers, and streams in the community where they live. The top three indicated by residents were factories and industrial discharges (32%), stormwater runoff into storm drains and roadside ditches (29%), and agricultural operations (16%).
- **Great Lakes.** Ninety-five percent (95%) of the residents surveyed either “strongly agree” or “agree” with the statement that, “the quality of local streams and rivers where I live affects the Great Lakes.”
- **Stormwater Runoff.** Sixty-nine percent (69%) of residents think stormwater goes directly to lakes and streams without treatment. 21% think stormwater runoff goes to lakes and streams after receiving some treatment, and 19% think stormwater runoff goes to a wastewater treatment plant.
- **Watersheds.** Forty-five percent (45%) of residents say they live in a watershed. 40% of residents live near a watershed, and 16% say they do not live in a watershed.



Current Activities

Respondents were asked questions regarding lawn and home care activities. Select findings can be found below.

- **Car Washing.** Eighty-two percent (82%) of residents typically wash their vehicle in the summer at a carwash. 12% wash their cars at home in the driveway and 8% do not wash a vehicle.
- **Septic Tanks.** Only 20% of residents have a septic system at their home. Of those who have a septic system, 83% have had their septic system checked or serviced in the past 5 years.
- **Hazardous Household Materials.** Only 9% of residents change their vehicles motor oil, transmission fluid or radiator fluid at home. 80% of residents dispose of motor oil, transmission fluid or radiator fluid at a scheduled community collection site or facility that accepts these materials. When asked why they do not dispose of these materials at a community collection site, the number one response was, don't know the location of these facilities.
- **Lawn Care.** Thirty-four percent (34%) of residents currently use a lawn service for mowing, fertilizer and or pesticide applications. Of those, 48% have not asked the lawn service to use environmentally friendly or organic products and practices but will in the future. 40% have asked and the lawn service uses environmentally friendly products and practices.

When asked what they do with your grass clippings and or leaves, 68% of residents leave them on the lawn or mulch into lawn, 22% compost them in your yard, and 22% use curbside pickup by the community.

50% of residents seldom or never fertilize their lawn. Only 4% of residents fertilize their lawn more than 5 times per year.

Willingness to Help Reduce Pollution of Streams and Lakes

When asked how willing they would be to help reduce the pollution of streams and lakes in your community. Respondents were most willing (“very willing” or “willing”) of the following items.

Ways To Help Reduce Pollution	
➤ Dispose of household hazardous waste at a community collection event	94%
➤ Sweep excess fertilizer and grass clippings from paved surfaces back onto the lawn	92%
➤ Promptly pick up and dispose of your pet's waste	89%
➤ Change your car washing practices	86%
➤ Landscape your yard with plants native to Michigan	85%
➤ Only use lawn service companies that use environmentally friendly products	78%
➤ Have your septic tank serviced every 3-5 years	77%
➤ Implement green infrastructure on your property	69%



When asked if they are currently doing any of these items to help reduce pollution, residents indicated they were doing the following.

Percentage of Residents Currently Doing	
➤ Change your car washing practices	87%
➤ Promptly pick up and dispose of your pet's waste	85%
➤ Dispose of household hazardous waste at a community collection event	84%
➤ Sweep excess fertilizer and grass clippings from paved surfaces back onto the lawn	82%
➤ Have your septic tank serviced every 3-5 years	67%
➤ Landscape your yard with plants native to Michigan	66%
➤ Only use lawn service companies that use environmentally friendly products	56%
➤ Implement green infrastructure on your property	39%

Best Ways to Inform Residents

- 16% of residents indicated that they have seen advertisements, brochures, outdoor advertisement displays, or other promotional materials about water quality in lakes and rivers from the Greater Lansing Regional Committee for Stormwater Management (GLRC), 9% have seen advertisements from Pollution Isn't Pretty, and 5% have seen advertisements from the Middle Grand River Organization of Watersheds (MGROW).
- If they had seen or heard information from any of these groups or campaigns, residents indicated they obtained this information from trail signs (28%), newspapers, magazines, or other print (24%), television news (17%), and Facebook (17%).

Residents would prefer to receive this information from newspapers, magazines, or other print (18%), television news (17%), and Facebook (17%).

- The top three social media platforms used by residents are below:
 - Facebook (67%)
 - YouTube (48%)
 - Instagram (29%)



Levels of Agreement with Water Quality Statements

Respondents were invited to express their level of agreement with an array of 11 statements pertaining to water quality in the Greater Lansing region. The rankings for these statements, based on the combined "strongly agree" and "agree" responses, are provided below.

Level of Agreement	
➤ I think it is important to improve the quality of water in lakes and rivers in my community	96%
➤ I would support my local government working with other cities and counties to improve water quality	89%
➤ The quality of local rivers where I live affects property values	89%
➤ The quality of local rivers where I live affects my quality of life	87%
➤ I would support my local government allocating resources to improve water quality	87%
➤ The quality of local rivers where I live affects drinking water quality	84%
➤ Public entities should be doing more to directly implement protection and restoration of urban waterways	82%
➤ I would be willing to pay more for a property in a community that focuses on protecting water quality by conserving natural areas	59%
➤ I would be willing to pay more in utilities to improve the quality of water in lakes and rivers in the community where I live	50%
➤ I would be willing to pay an increase in taxes to improve the quality of water in lakes and rivers in the community where I live	47%
➤ I have confidence in my community's ability to address flooding related problems	43%

How Often Do You Do the Following Activities

- 66% of residents indicated that they walk or bike along the lakes and rivers in the Greater Lansing Area at least a few times per year. 20% swim in lakes within the Greater Lansing Area and fish in lakes or rivers near your home. 19% participate in paddle sports within the Greater Lansing Area.



Charts and Graphs

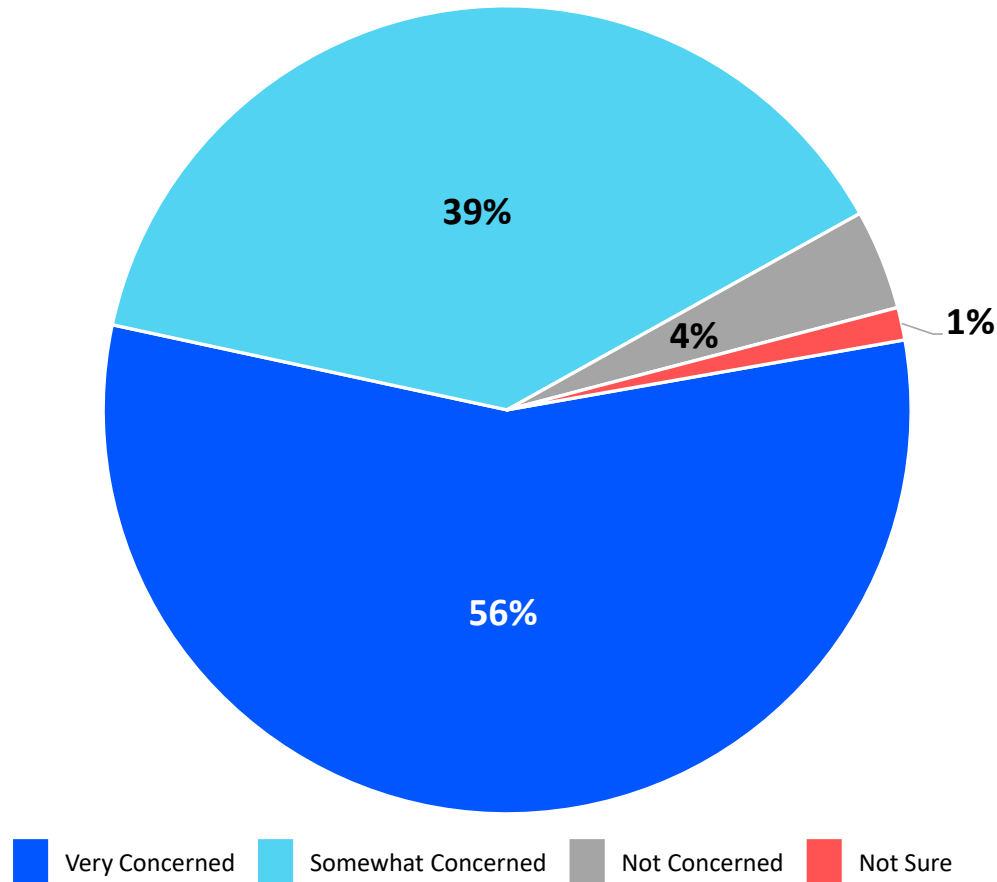
Greater Lansing Regional Water Quality Education Survey Charts and Graphs

The following slides show the charts and graphs for the Greater Lansing Regional Water Quality Education Survey in 2024.



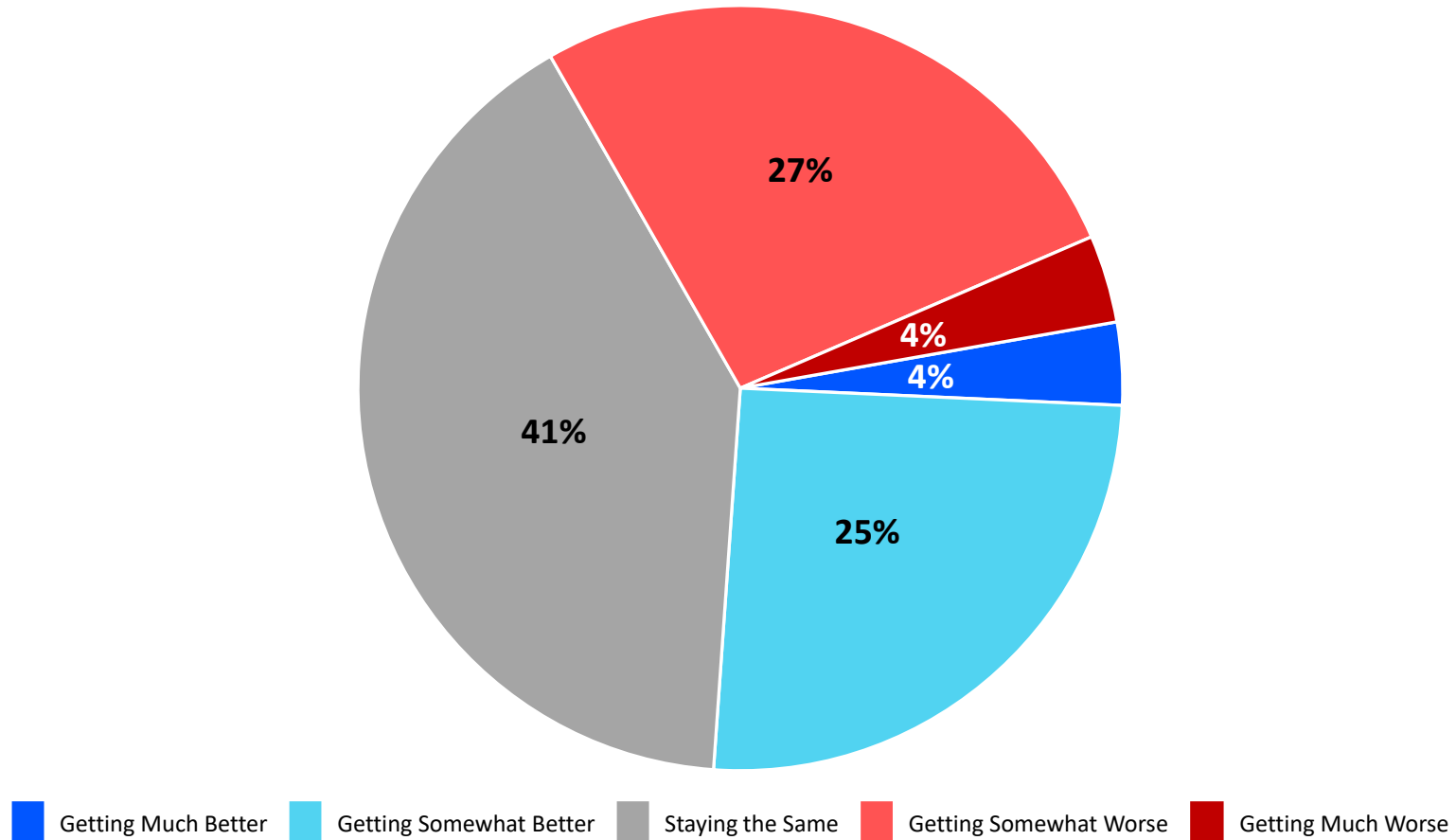
Q1. How concerned are you about pollution in lakes, rivers, and other waterways in the Greater Lansing area?

by percentage of respondents (excluding don't know)



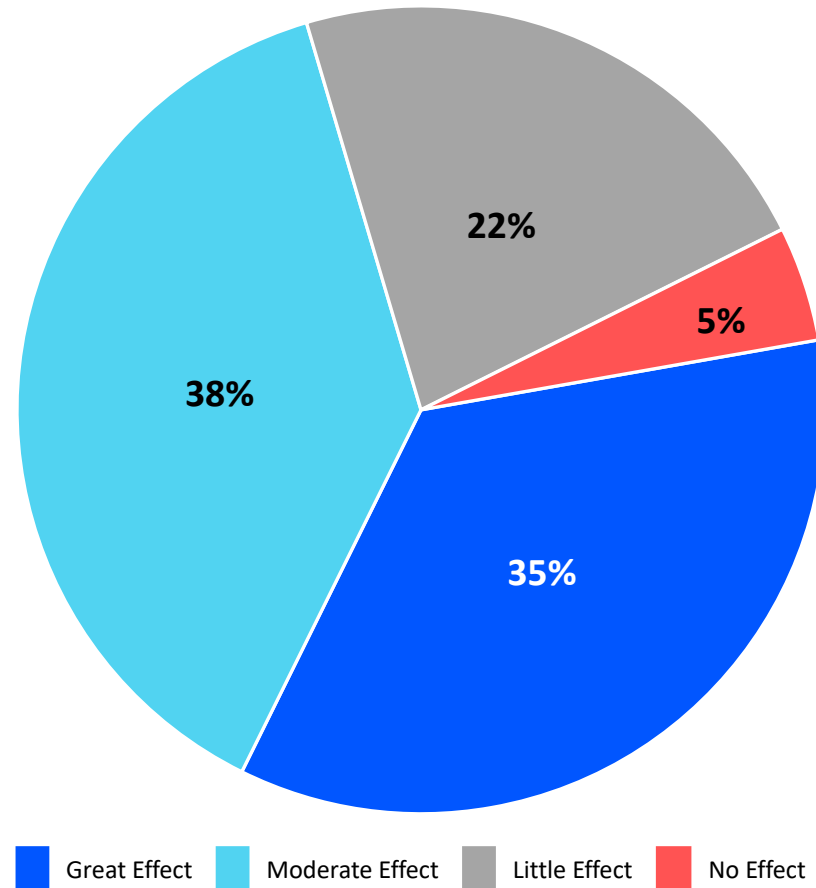
Q2. Do you think the quality of water in lakes, rivers, and streams in the community where you live is...

by percentage of respondents (excluding don't know)

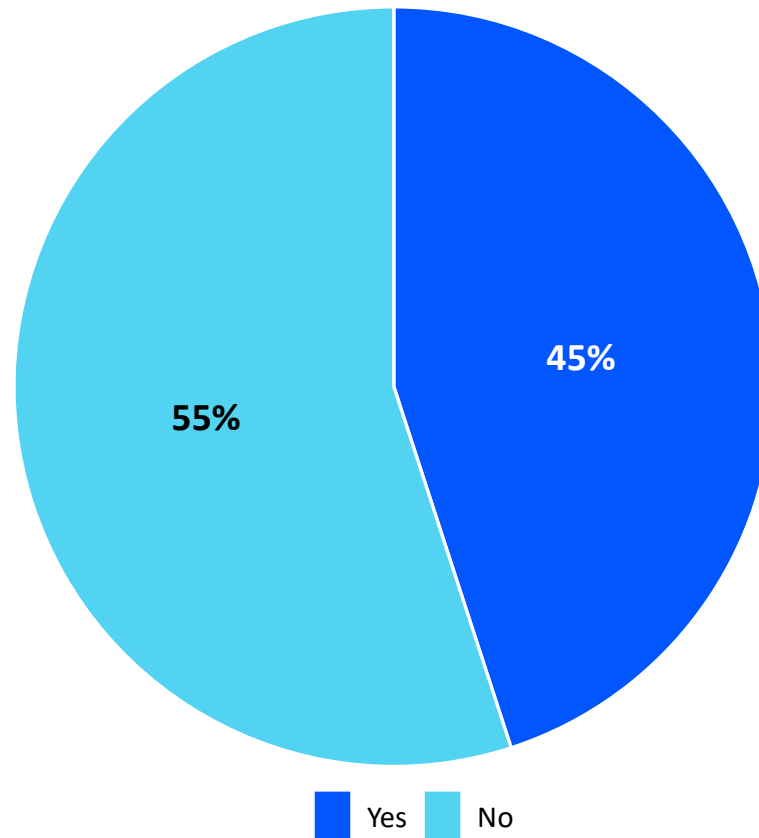


Q3. How much do you think the way you maintain your home (e.g., lawn care, trash disposal, pet care) affects the quality of water in lakes and streams in the community where you live?

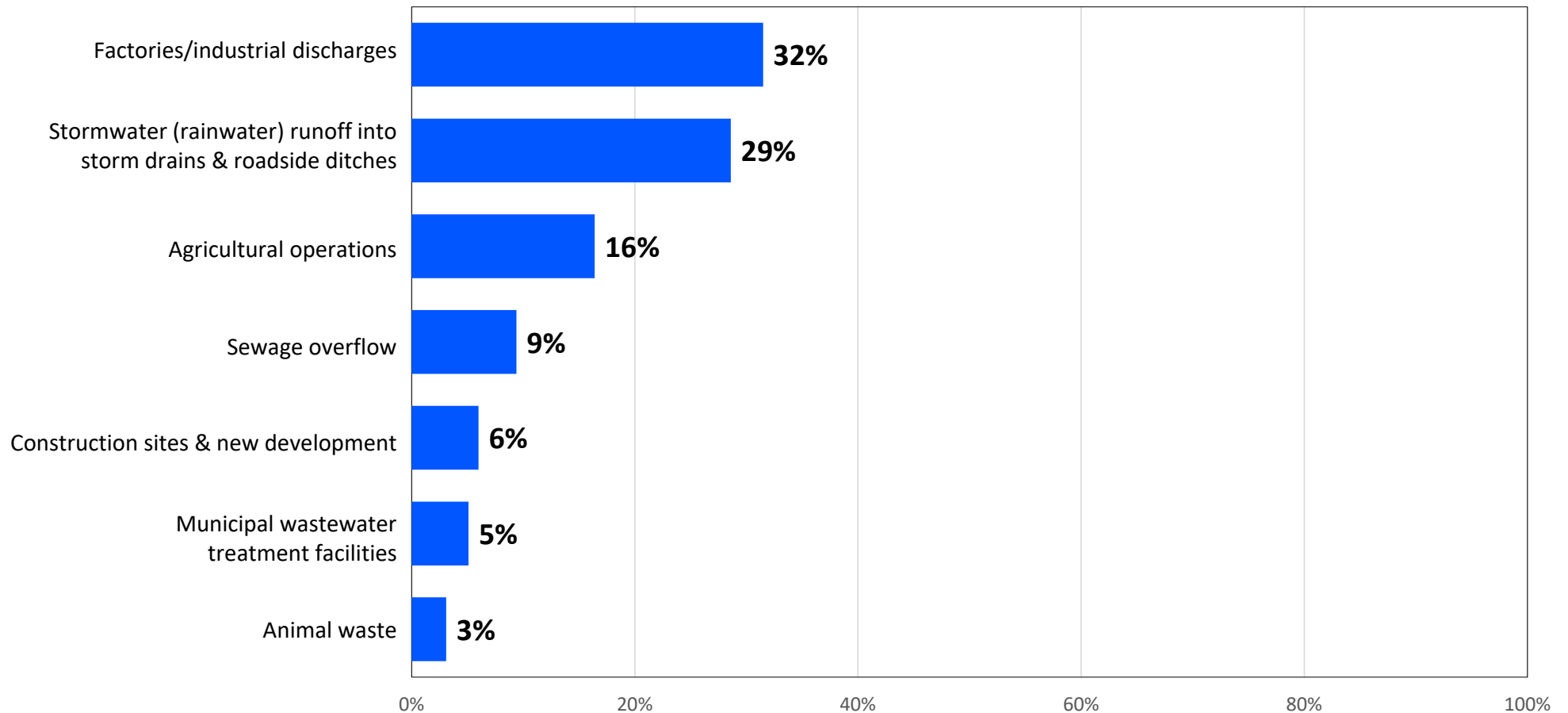
by percentage of respondents (excluding don't know)



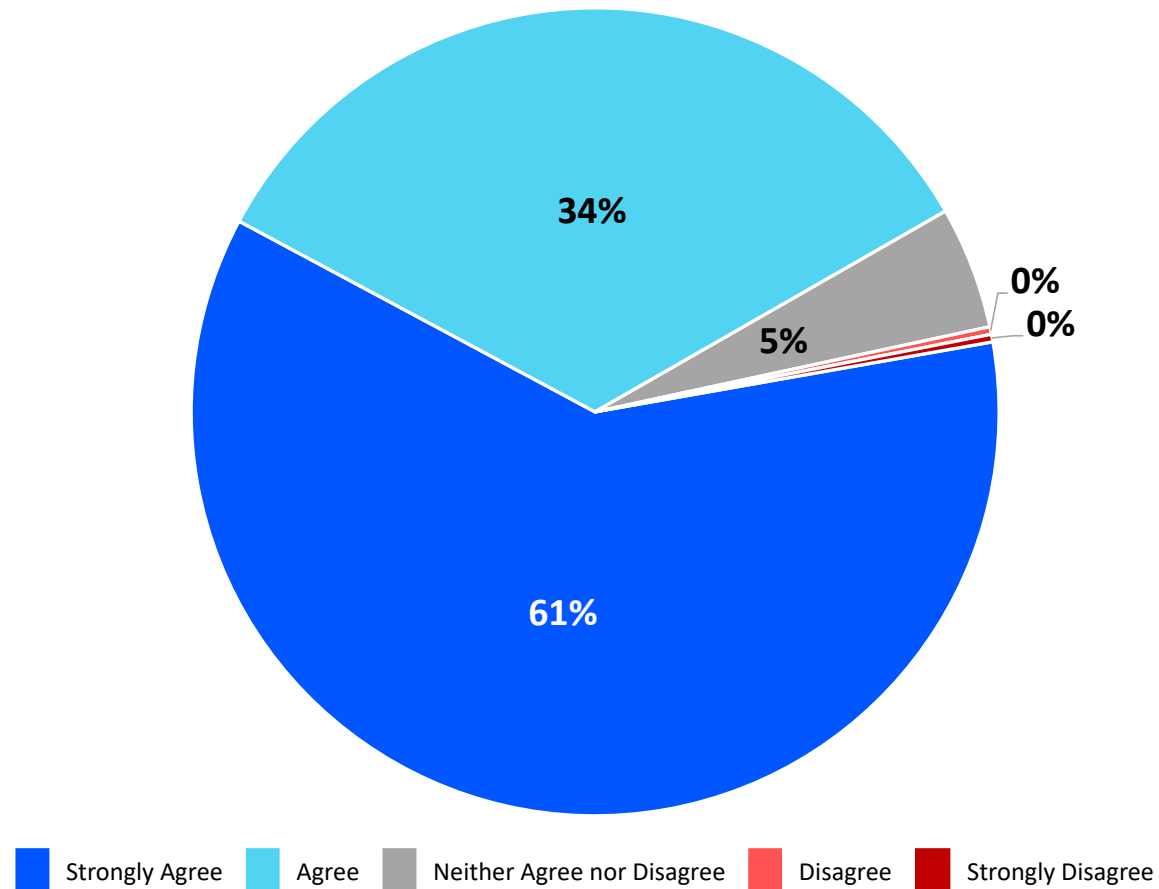
Q4. During the past 5 years, have you or someone in your household acted at your home or in your community to protect water resources?
by percentage of respondents



Q5. During the past year, which ONE of the following items do you think contributed MOST to pollution in lakes, rivers, and streams in the community where you live?
by percentage of respondents (multiple selections could be made)

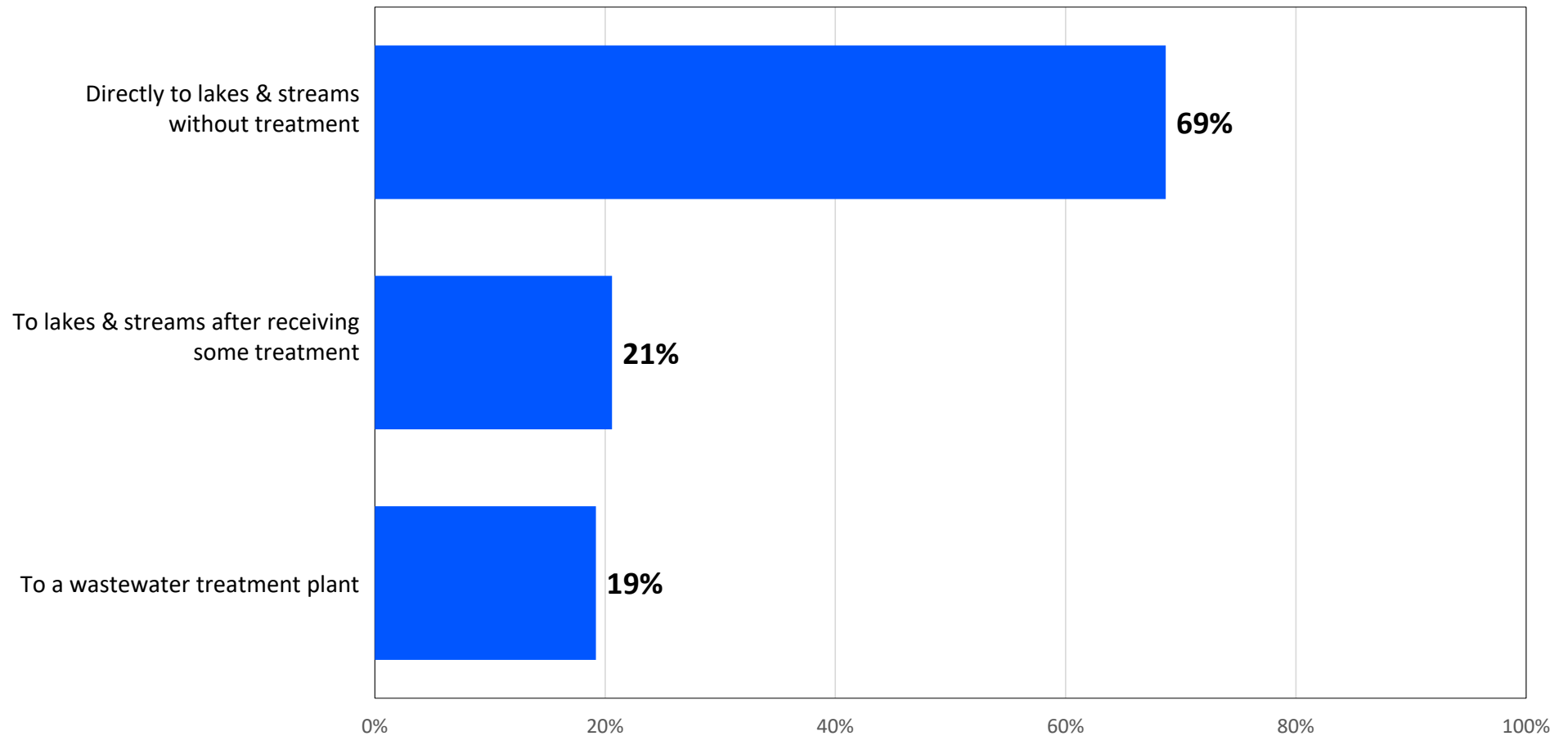


Q6. Please indicate your level of agreement with the following statement:
"The quality of local streams and rivers where I live affects the Great Lakes."
by percentage of respondents (excluding don't know)



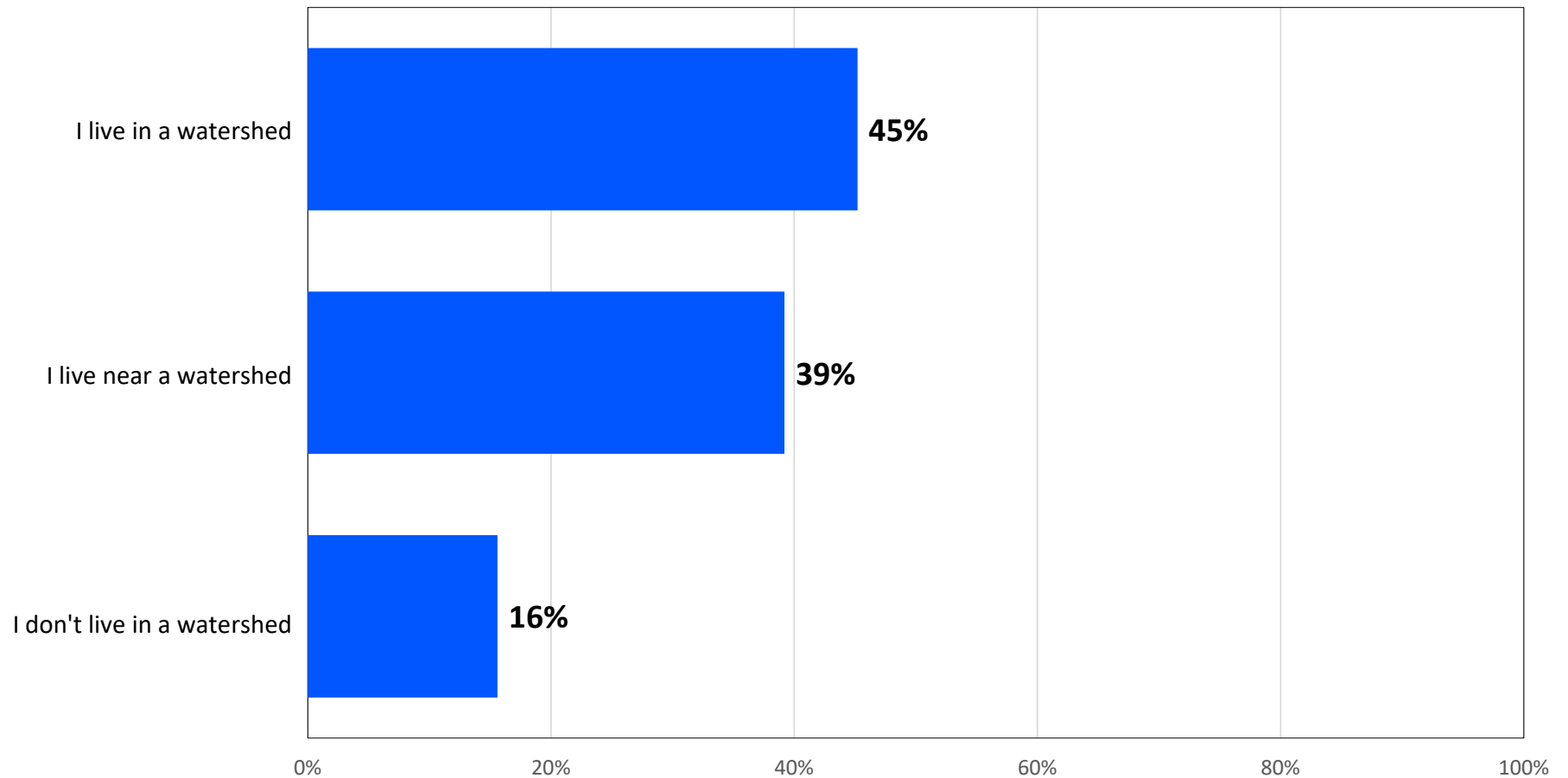
Q7. Where do you think stormwater (rainwater) goes after it enters a storm drain or roadside ditch in your community?

by percentage of respondents (multiple selections could be made)



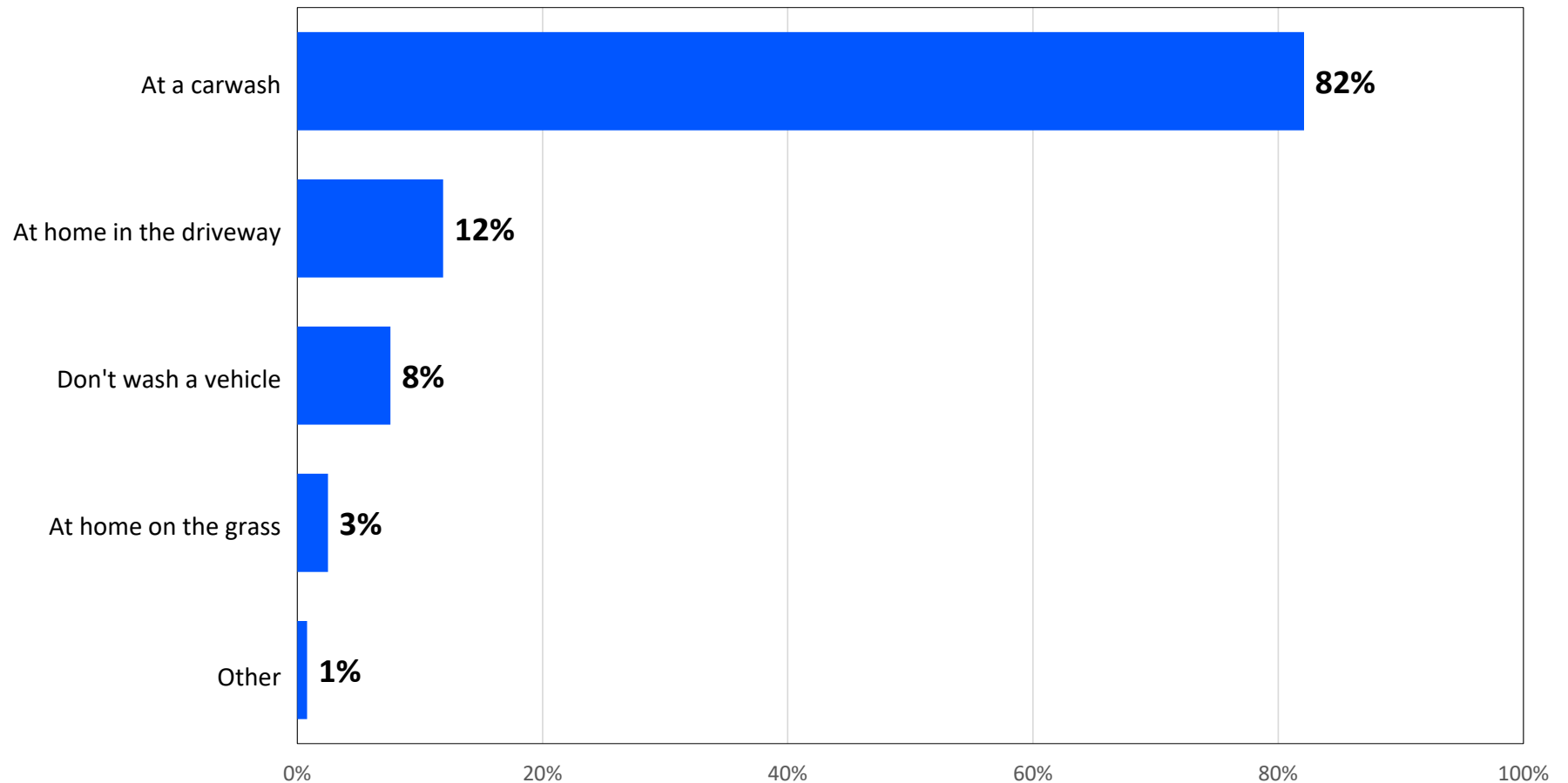
Q8. Which ONE of the following statements BEST describes the location where you live?

by percentage of respondents (multiple selections could be made)

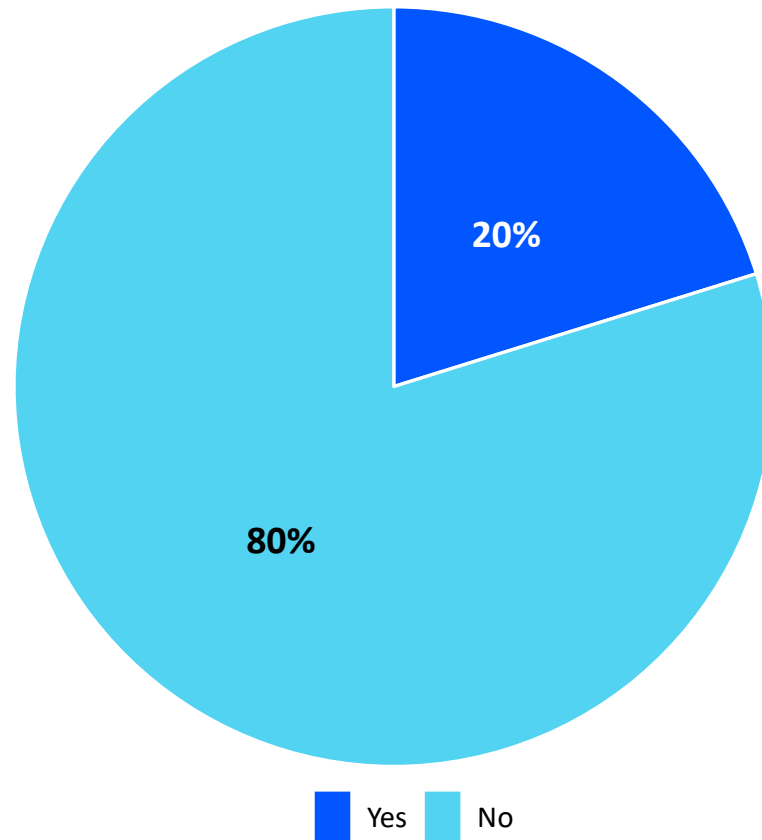


Q9. Where does your household typically wash your vehicle(s) during the summer?

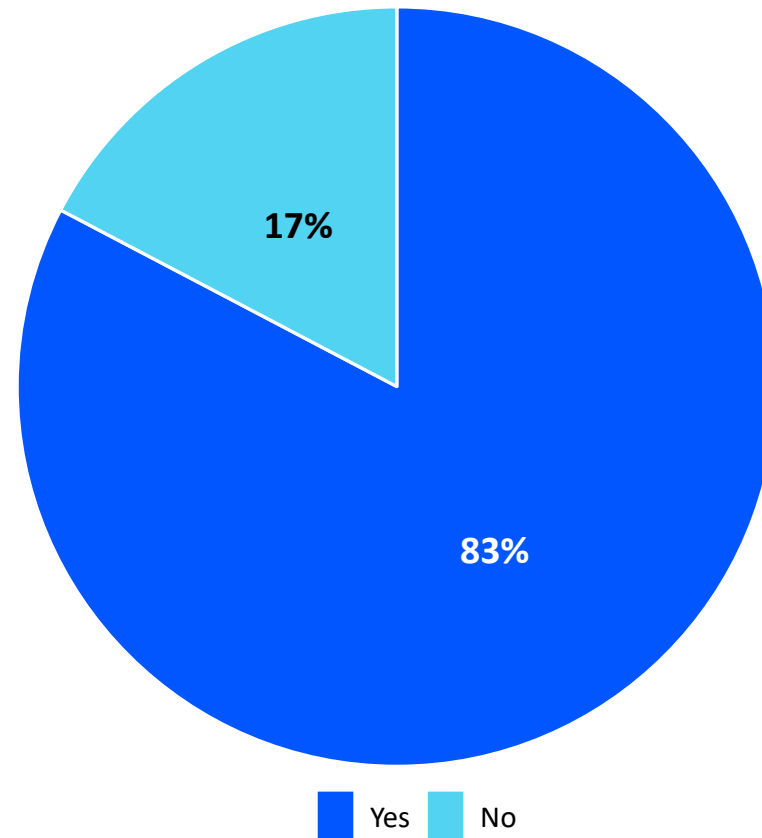
by percentage of respondents (multiple selections could be made)



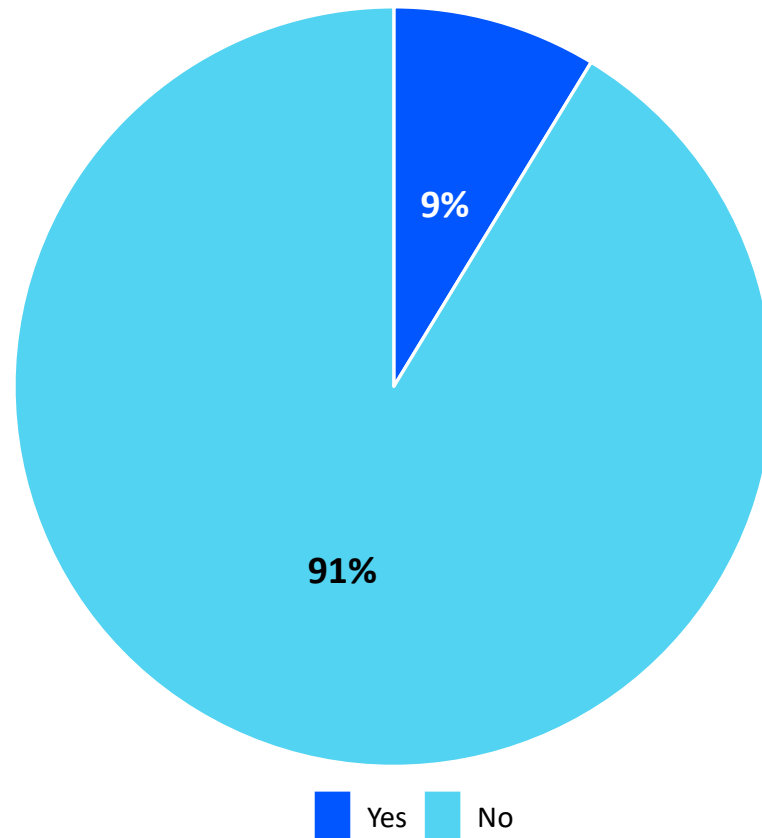
Q10. Do you have a septic system at your home? by percentage of respondents



Q10a. If "Yes" to Question 10, has your household had your septic system checked or serviced during the past 5 years?
by percentage of respondents

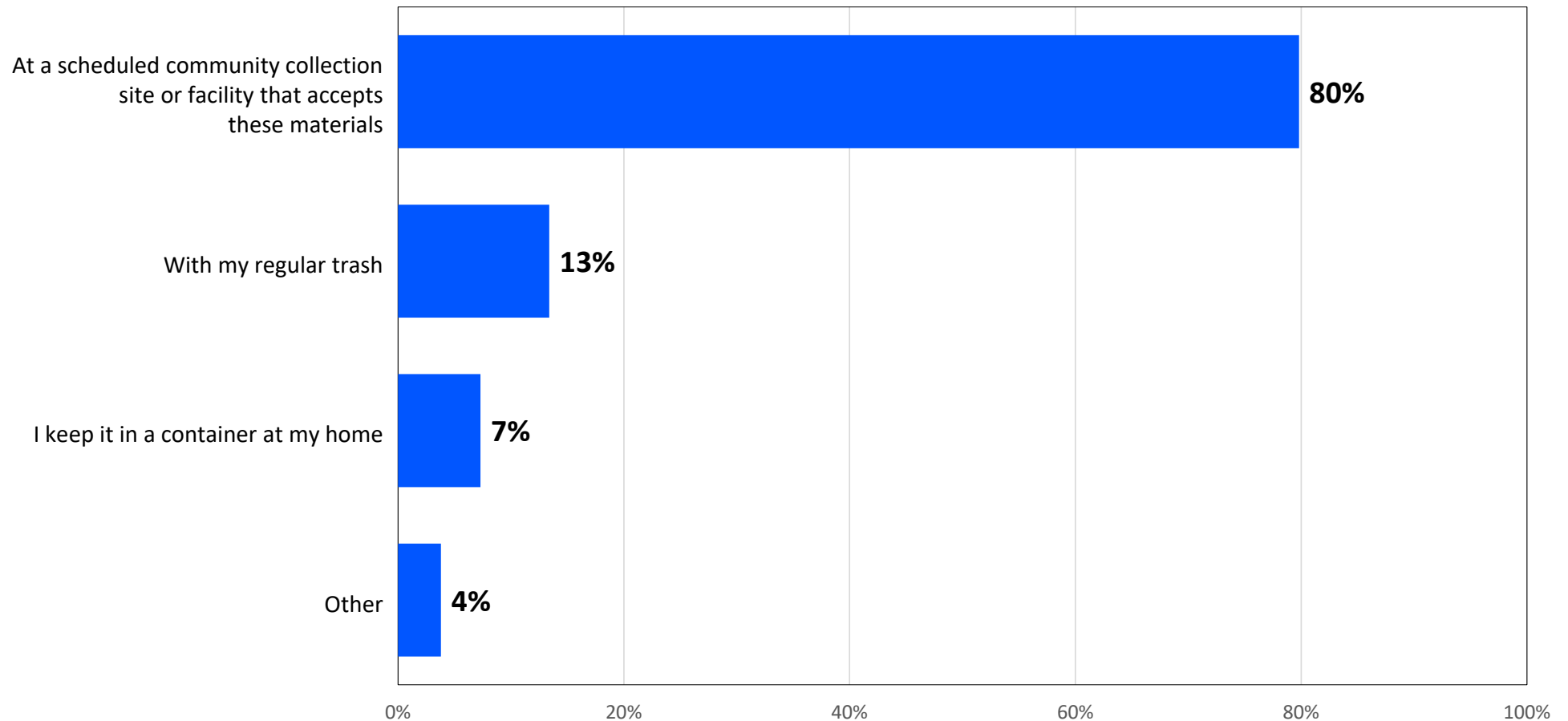


**Q11. Do you or other members of your household usually change motor oil, transmission fluid, or radiator fluid for vehicles at your home?
by percentage of respondents**



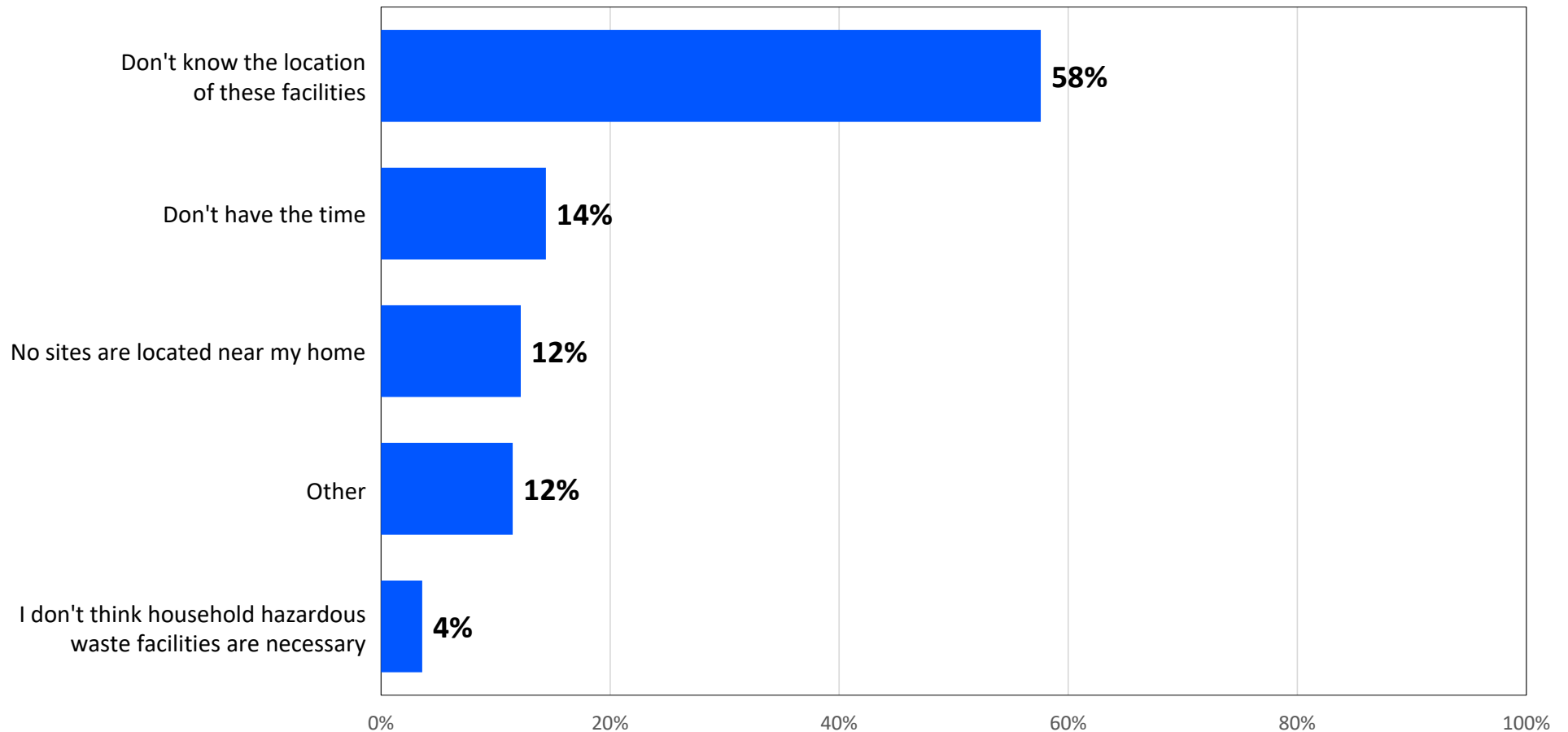
Q12. Where does your household typically dispose of materials such as old oil/fluids from your vehicle, batteries, pesticides, paints, or other household hazardous wastes?

by percentage of respondents (multiple selections could be made)

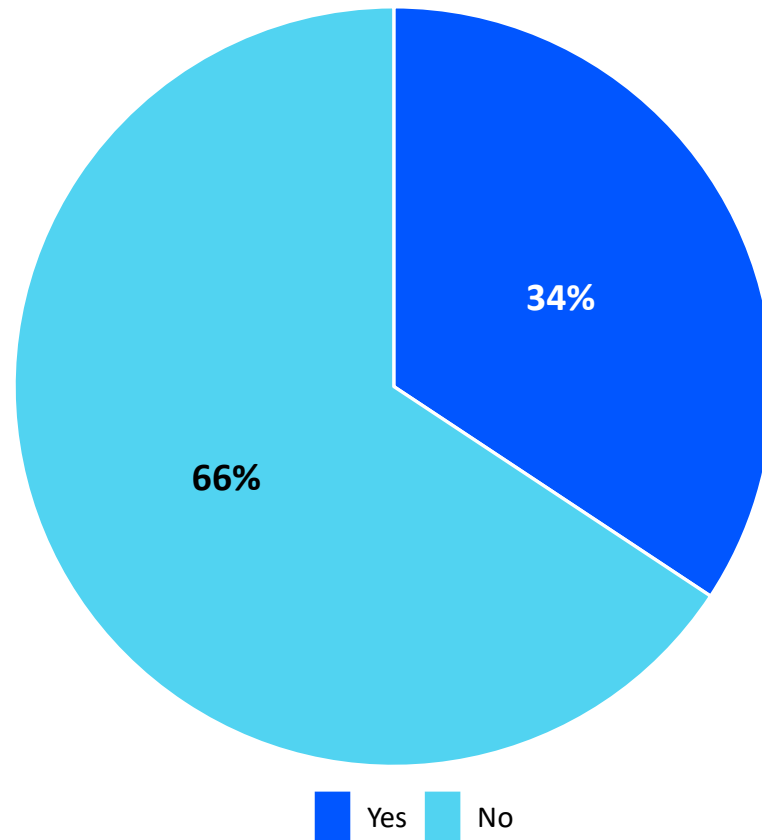


Q12a. Why doesn't your household typically dispose of your household hazardous waste at a community collection site?

by percentage of respondents (multiple selections could be made)

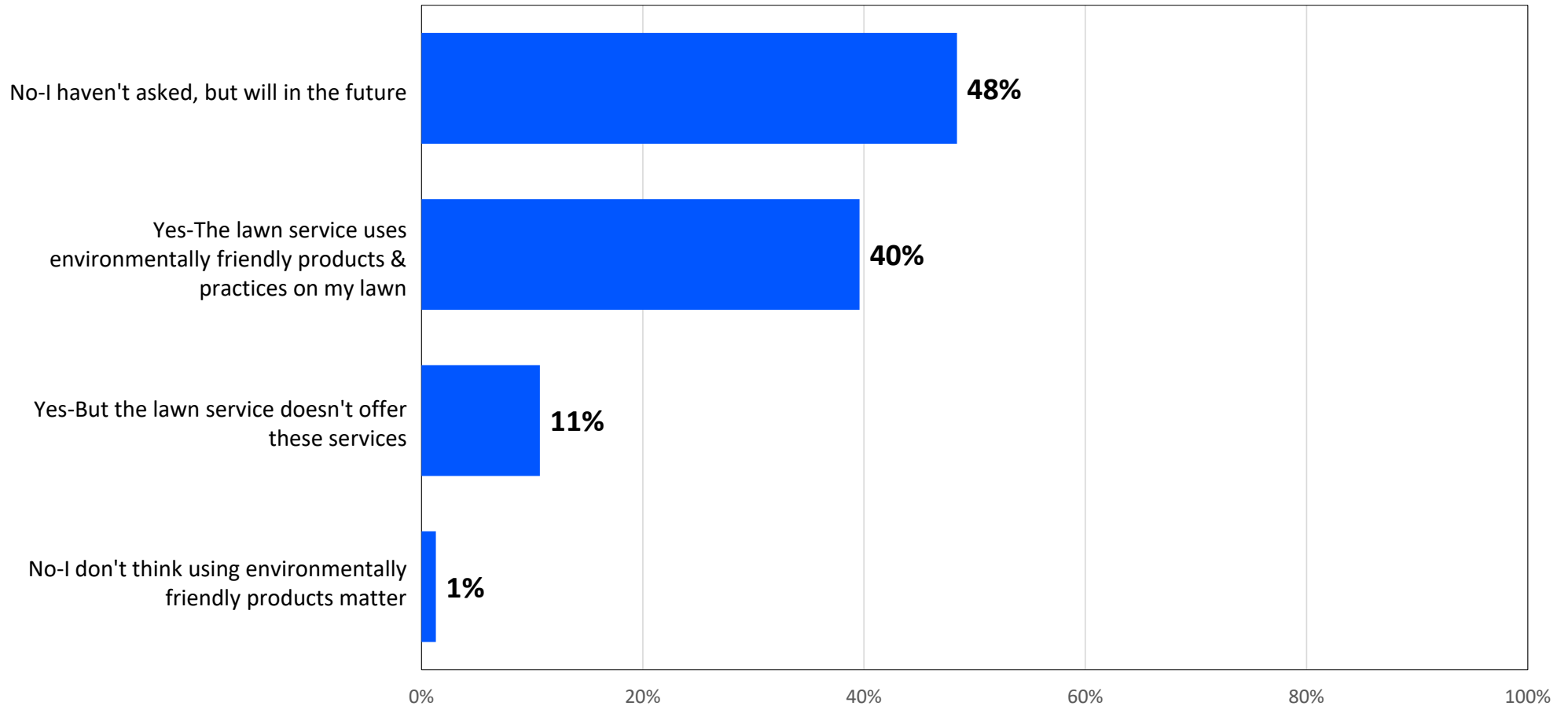


Q13. Does your household use a lawn service for mowing, fertilizer, and/or pesticide applications? by percentage of respondents



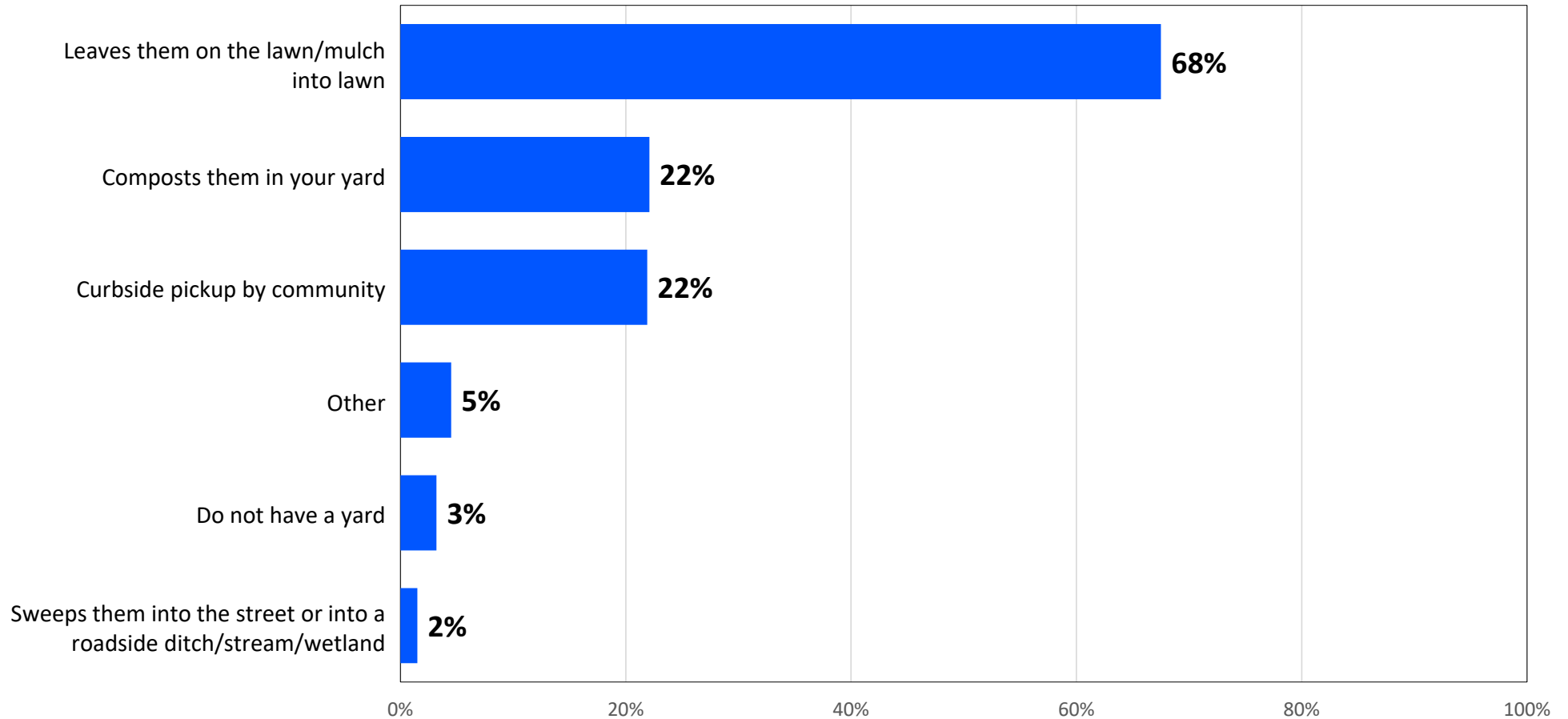
Q13a. If "Yes" to Question 13, does your household ask your lawn service to use environmentally friendly/organic products and practices?

by percentage of respondents (multiple selections could be made)



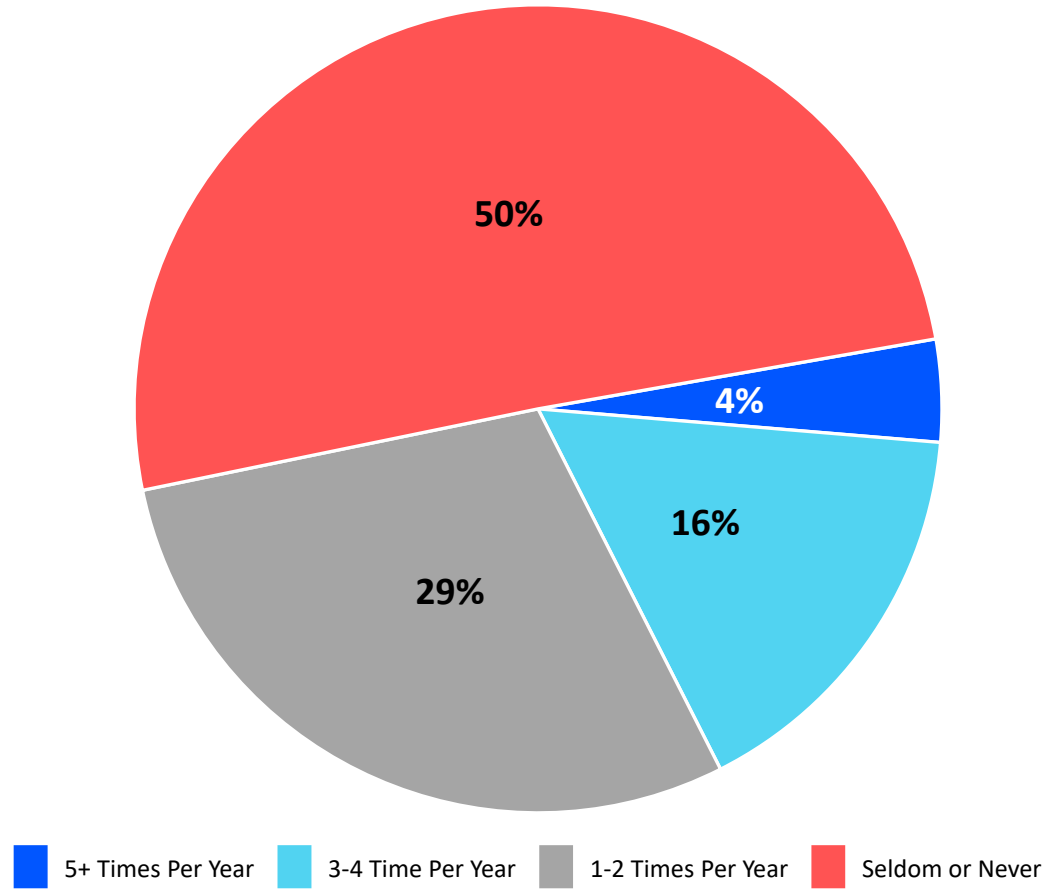
Q14. What does your household (or lawn service) typically do with your grass clippings and/or leaves?

by percentage of respondents (multiple selections could be made)

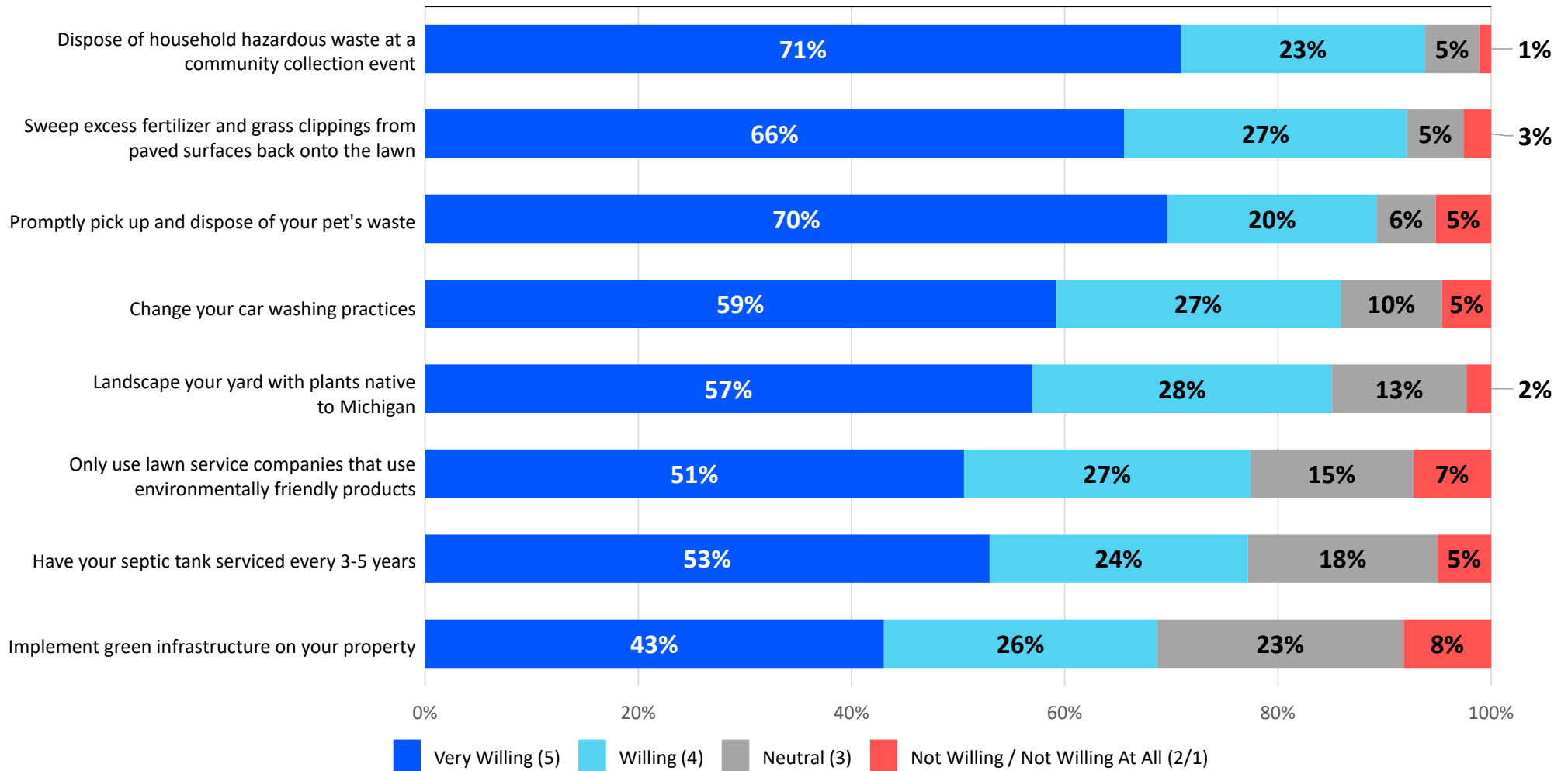


Q15. Which of the following BEST describes how often your household fertilizes your lawn?

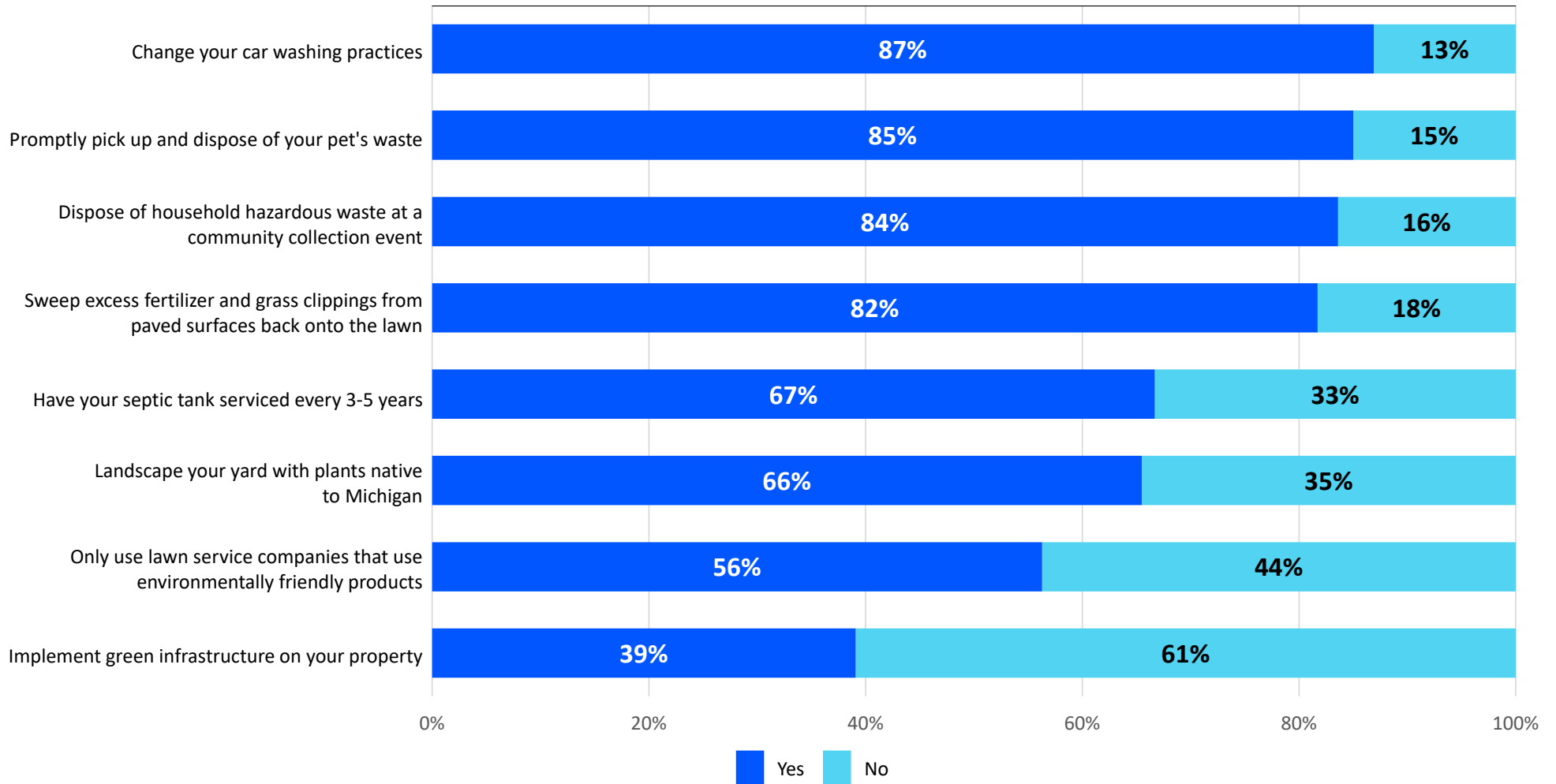
by percentage of respondents (excluding don't know)



Q16. How Willing Are You To... by percentage of respondents (excluding don't know)

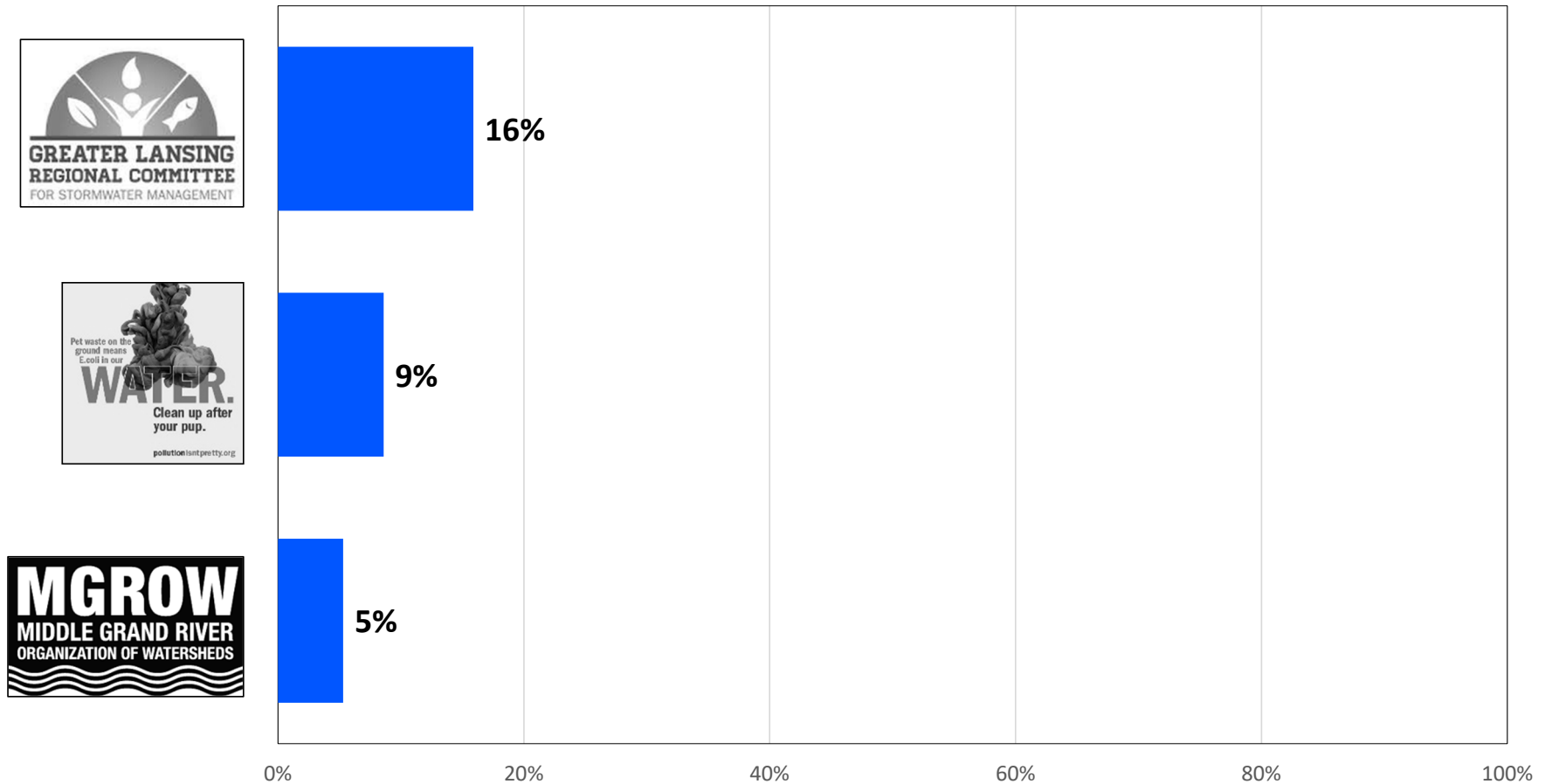


Q16. Are You Currently... by percentage of respondents (excluding don't know)



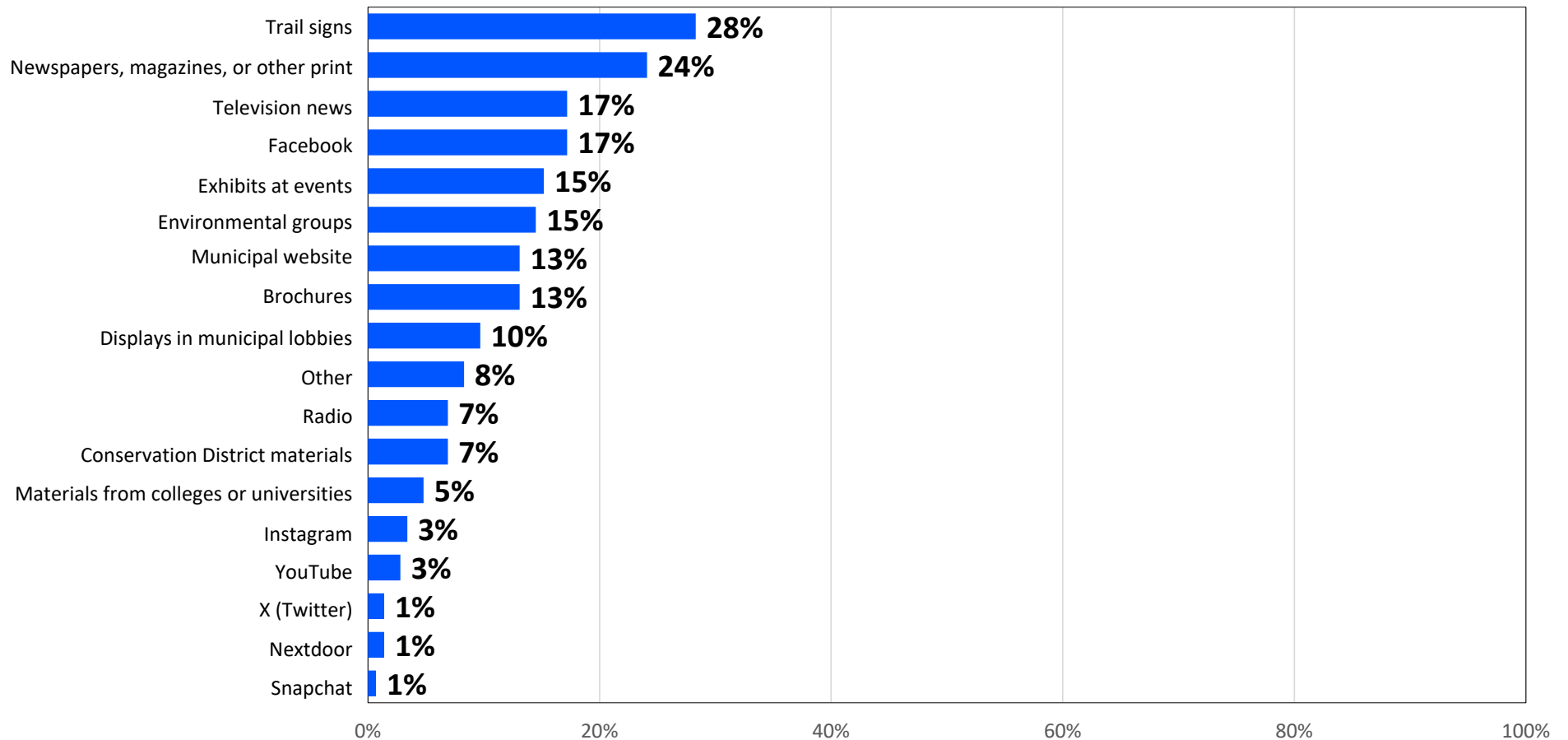
Q17. Have you seen or heard any information in advertisements, brochures, outdoor advertisements, displays, or other promotional materials about water quality in lakes and rivers from the following groups/campaigns?

by percentage of respondents (multiple selections could be made)

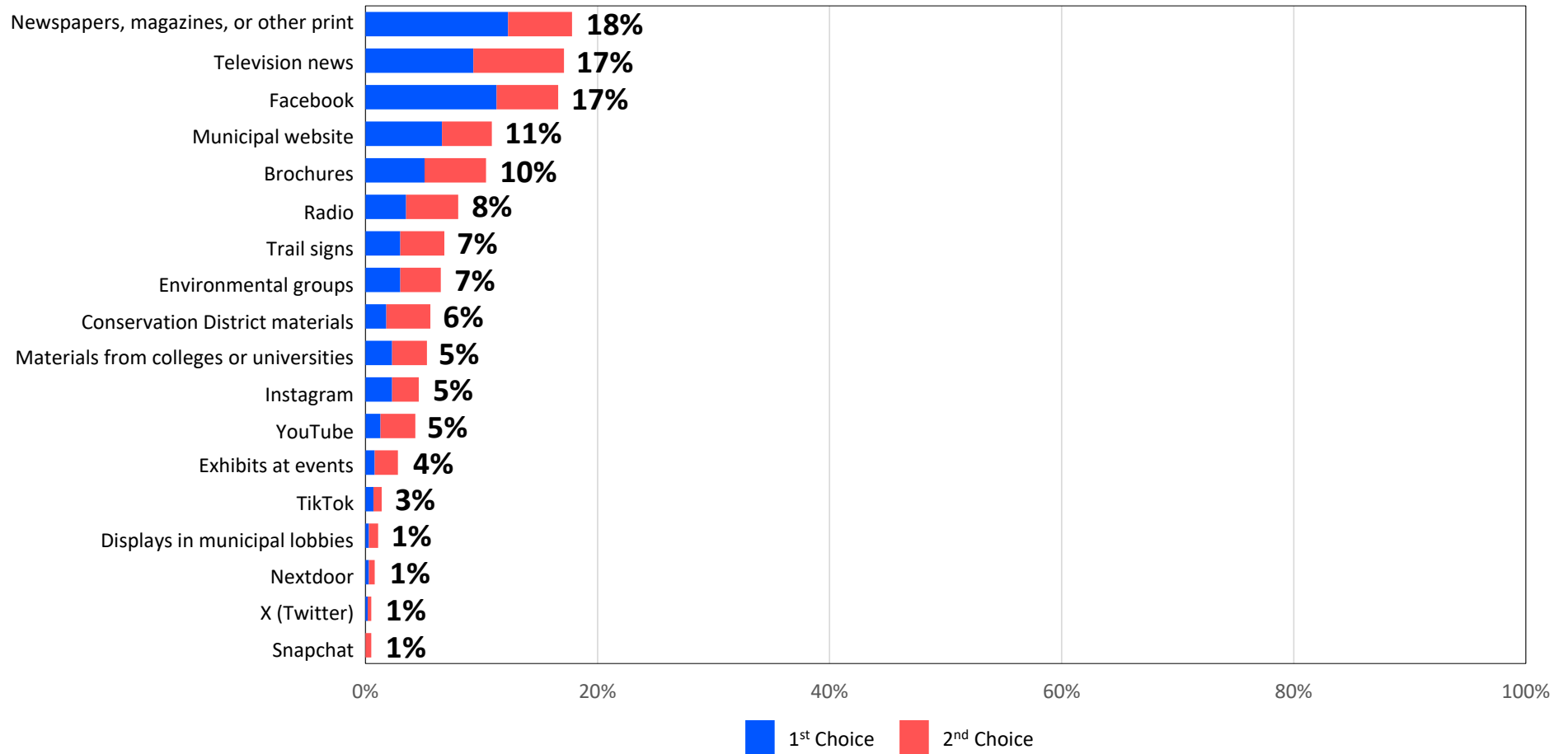


Q18. If you indicated you have seen or heard information from any of the groups/campaigns in Question 17, what SOURCES did you use to obtain the information from?

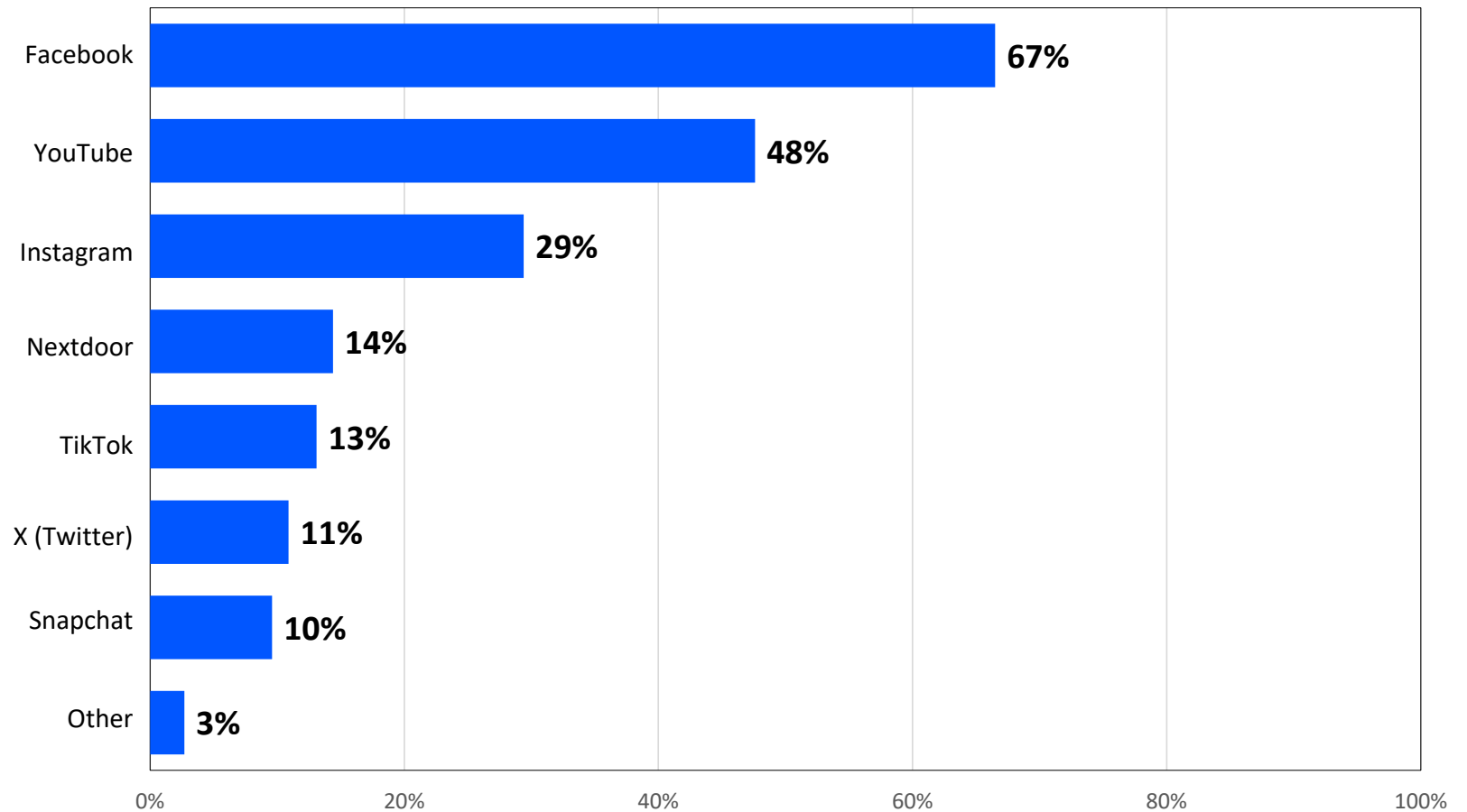
by percentage of respondents (multiple selections could be made)



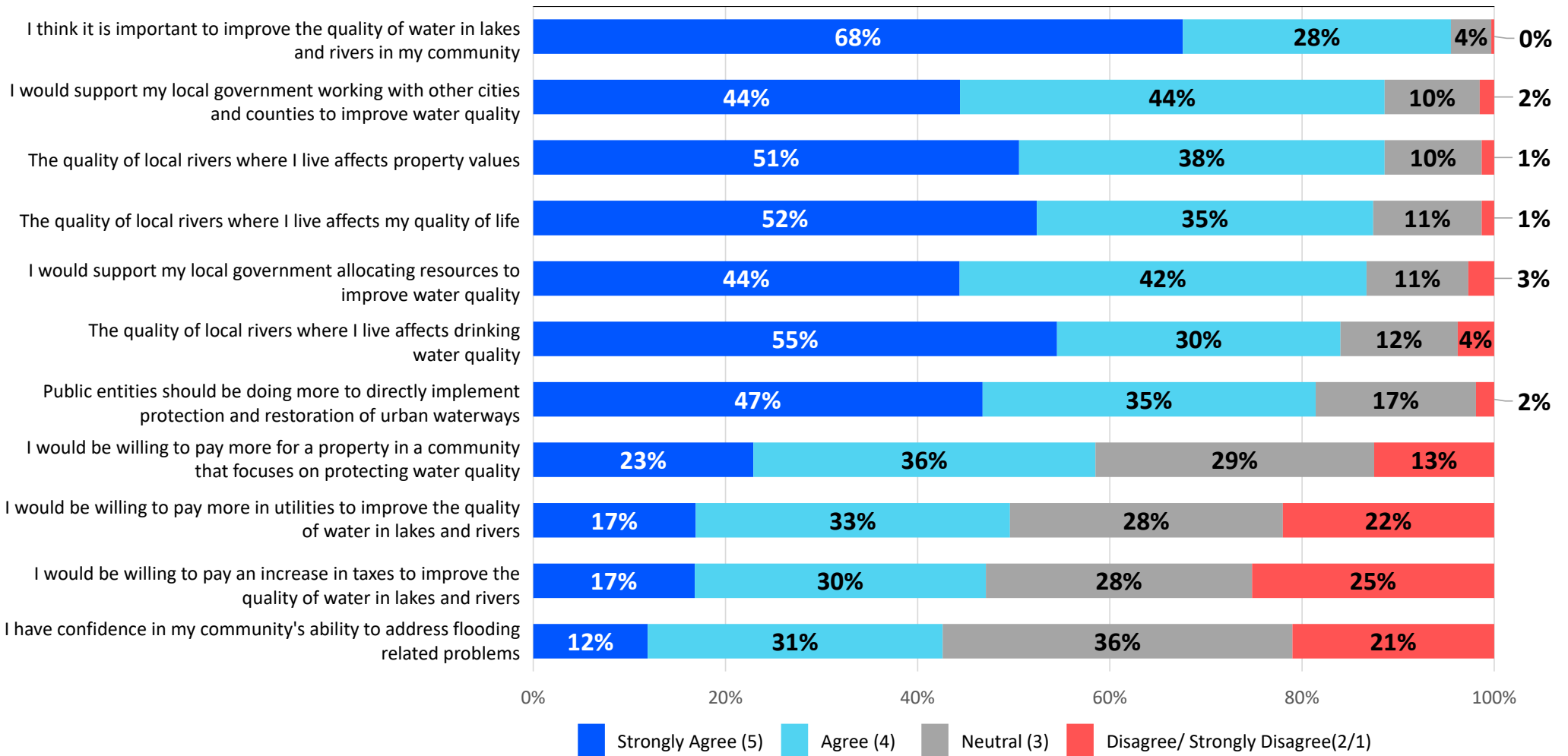
Q19. Which TWO of the information sources from the list in Question 18 do you MOST PREFER using to learn about environmental related content? by percentage of respondents who selected the item as one of their top three choices



Q20. Which of the following social media platforms do you use? by percentage of respondents (multiple selections could be made)

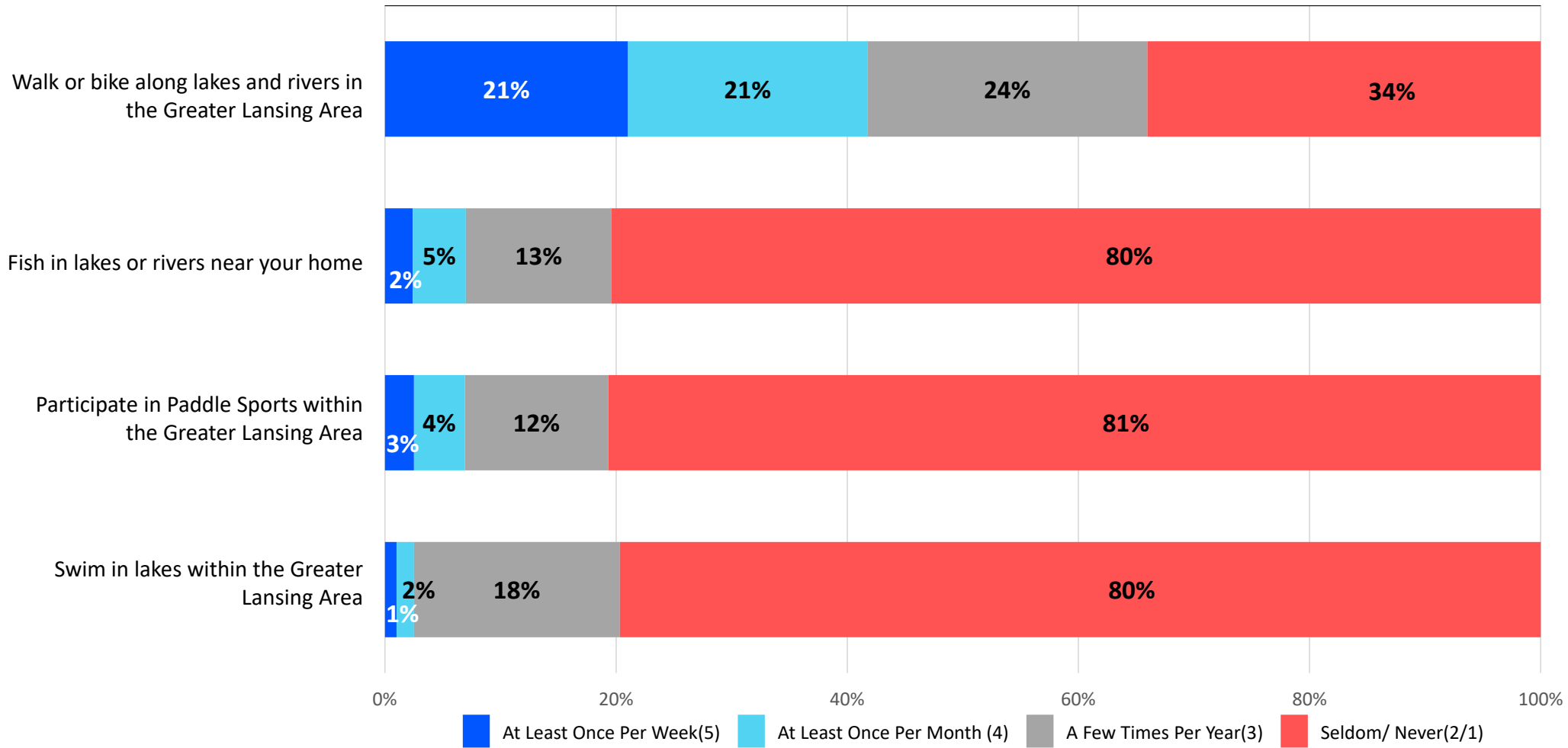


Q21. Level of Agreement by percentage of respondents (excluding don't know)



Q22. How Often Do You...

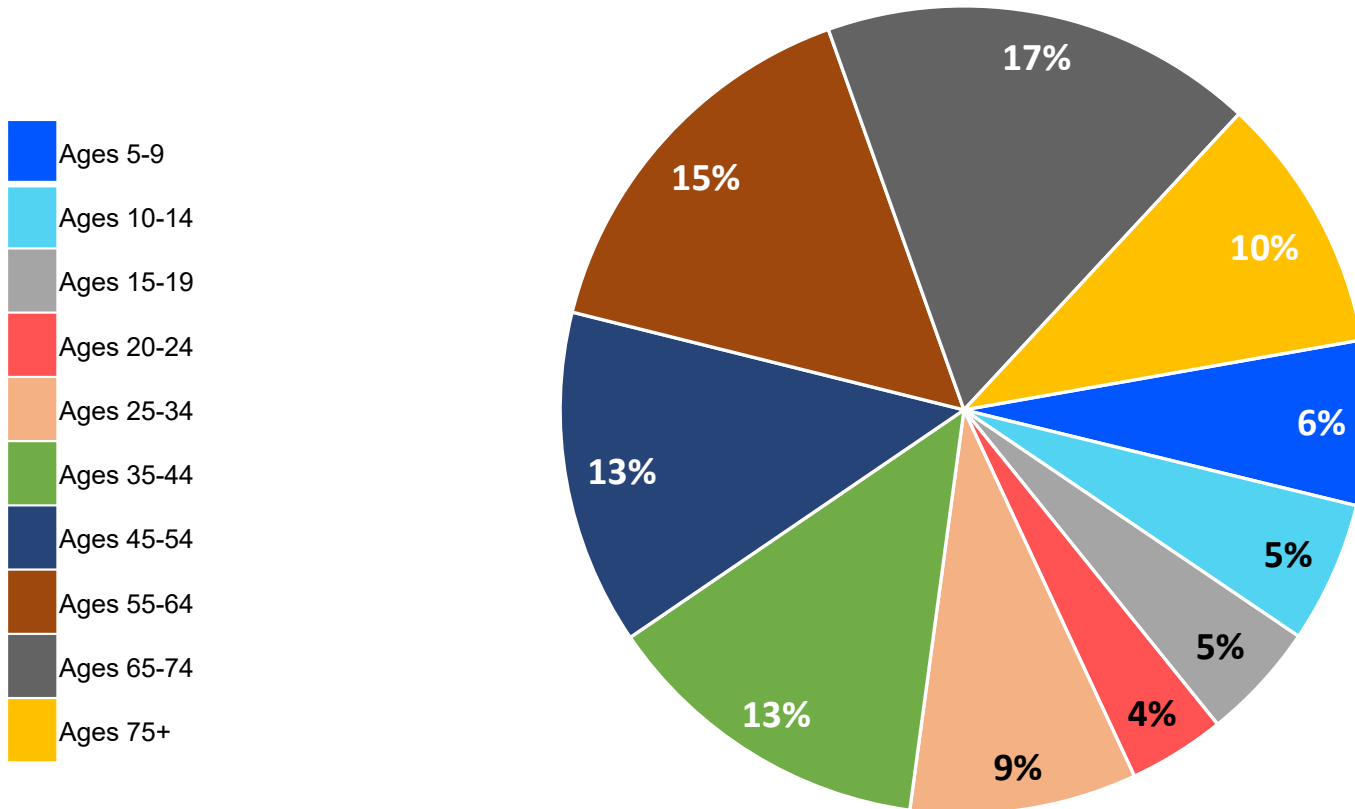
by percentage of respondents (excluding don't know)



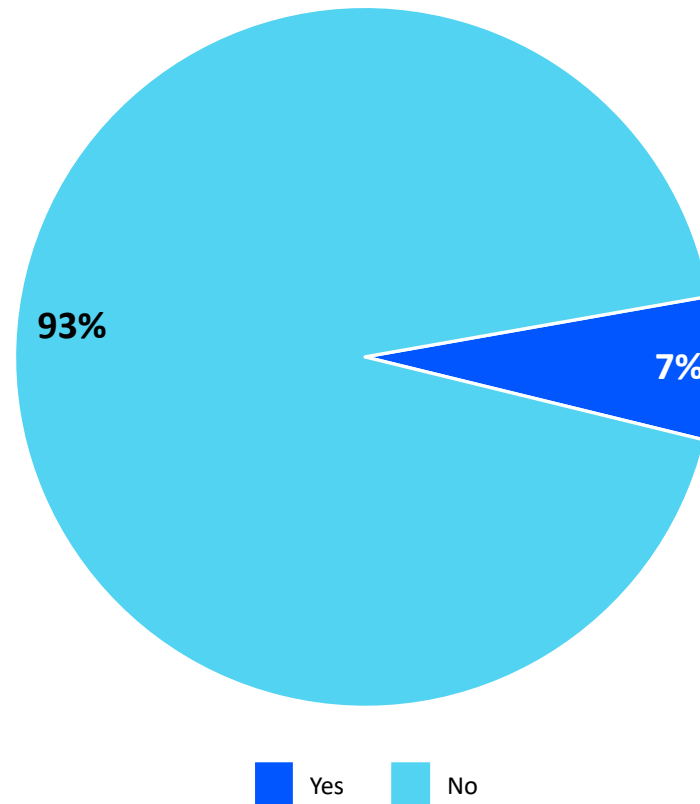
Demographics

Q23. Including yourself, how many people in your household are...

by percentage of respondents (excluding not provided)

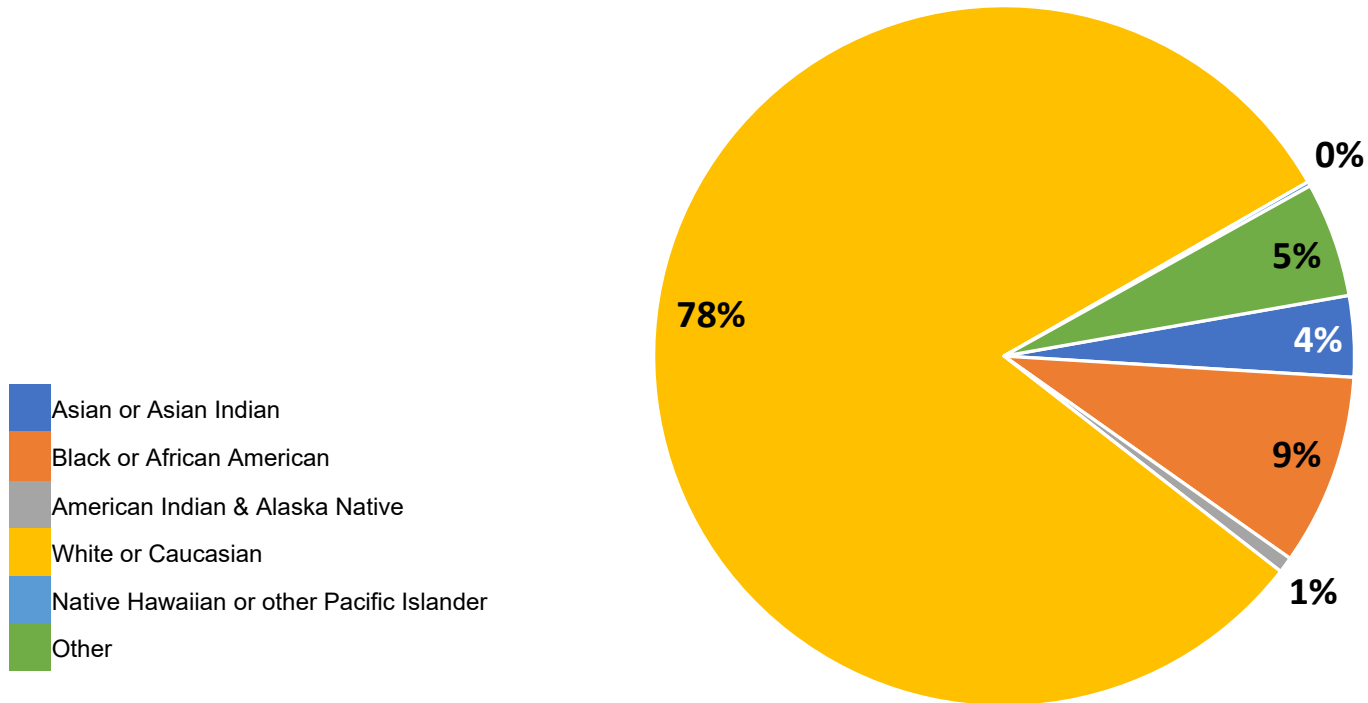


Q24. Are you of Hispanic, Latino, or Spanish descent? by percentage of respondents (excluding not provided)

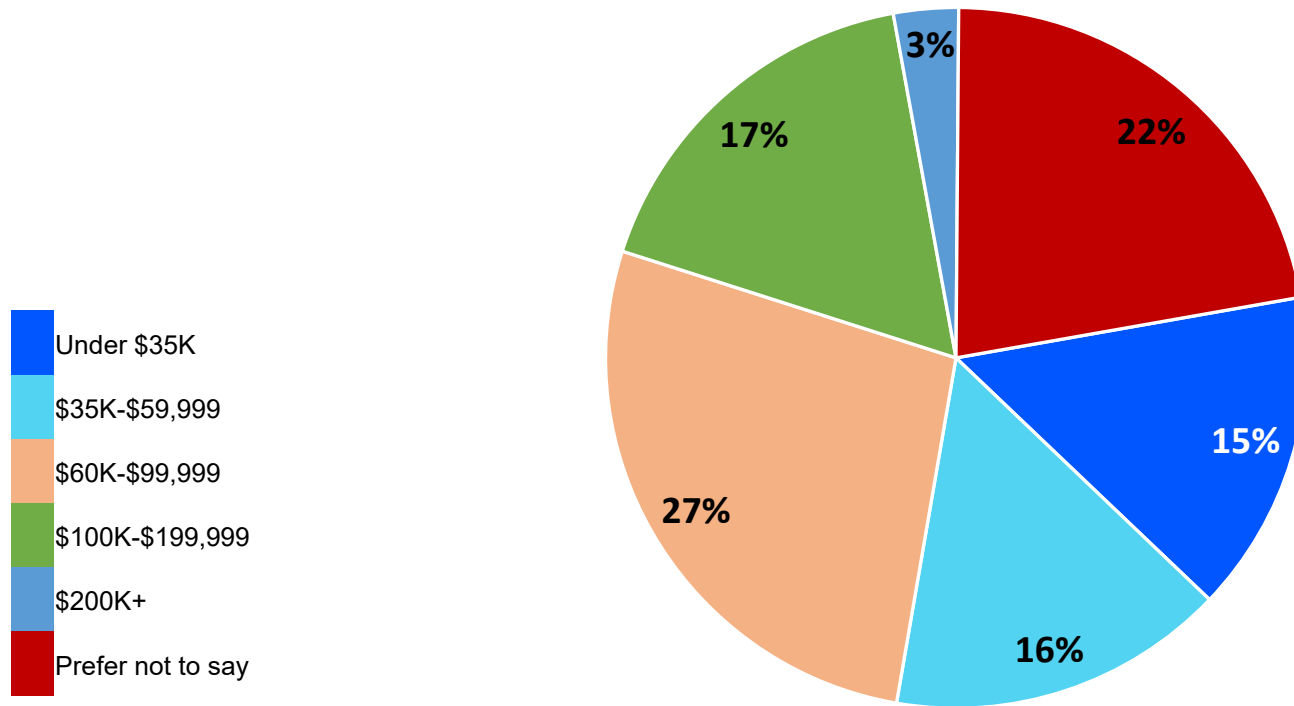


Q25. Which of the following best describes your race/ethnicity?

by percentage of respondents

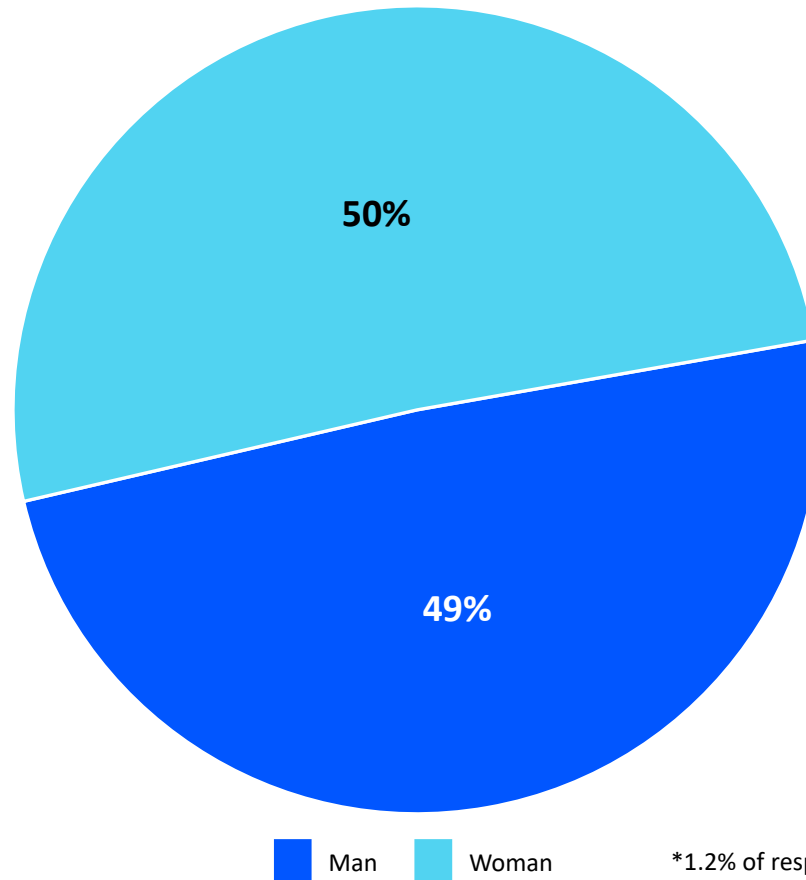


Q26. Would you say your total annual household income is... by percentage of respondents



Q27. How do you currently describe yourself?

by percentage of respondents (excluding not provided)



*1.2% of respondents identify as non-binary or other



2

Trends Report

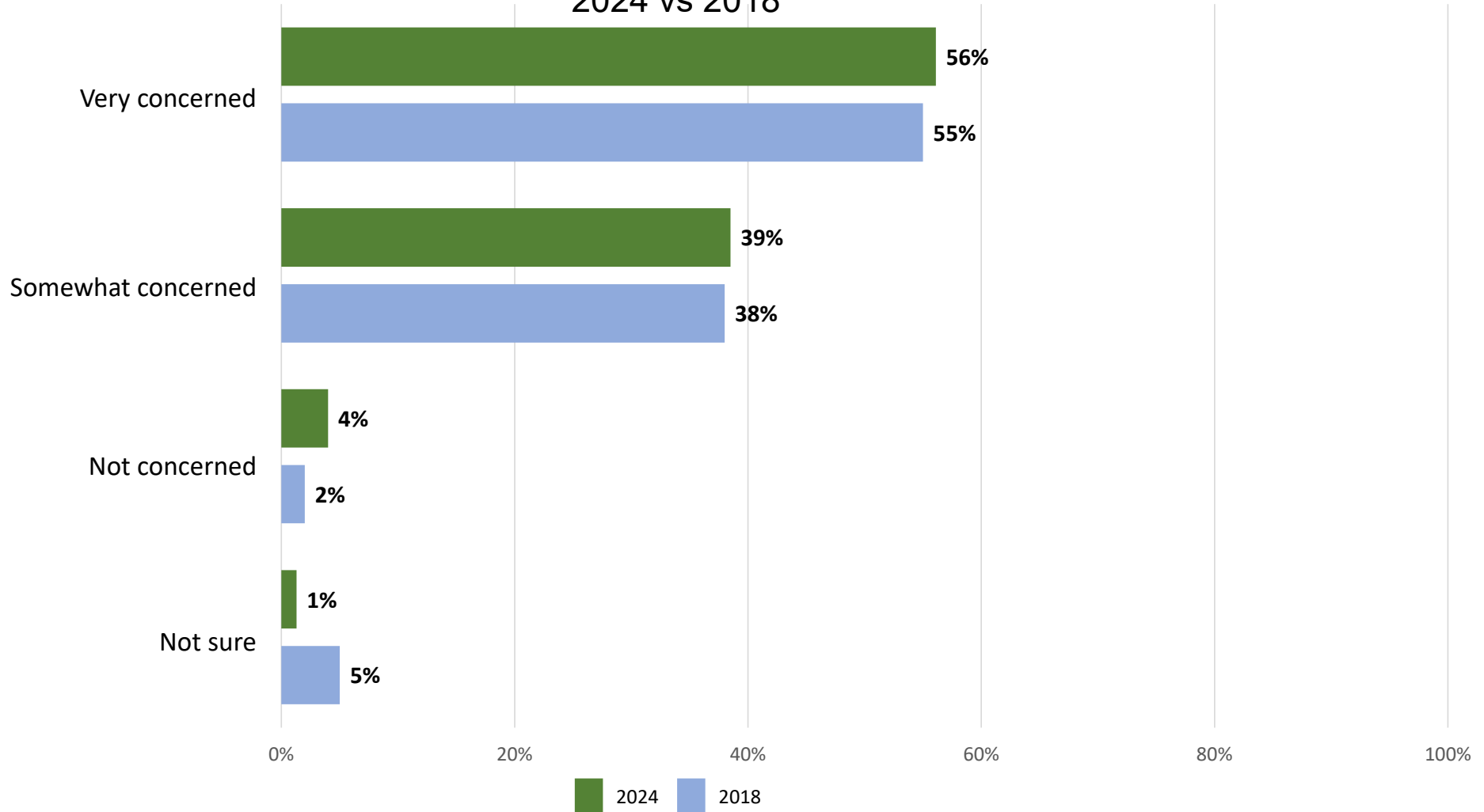
Greater Lansing Regional Water Quality Education Survey Trends

The following slides show the trends for the Greater Lansing Regional Water Quality Education Survey in 2024 compared to 2018, 2012, and 2006.



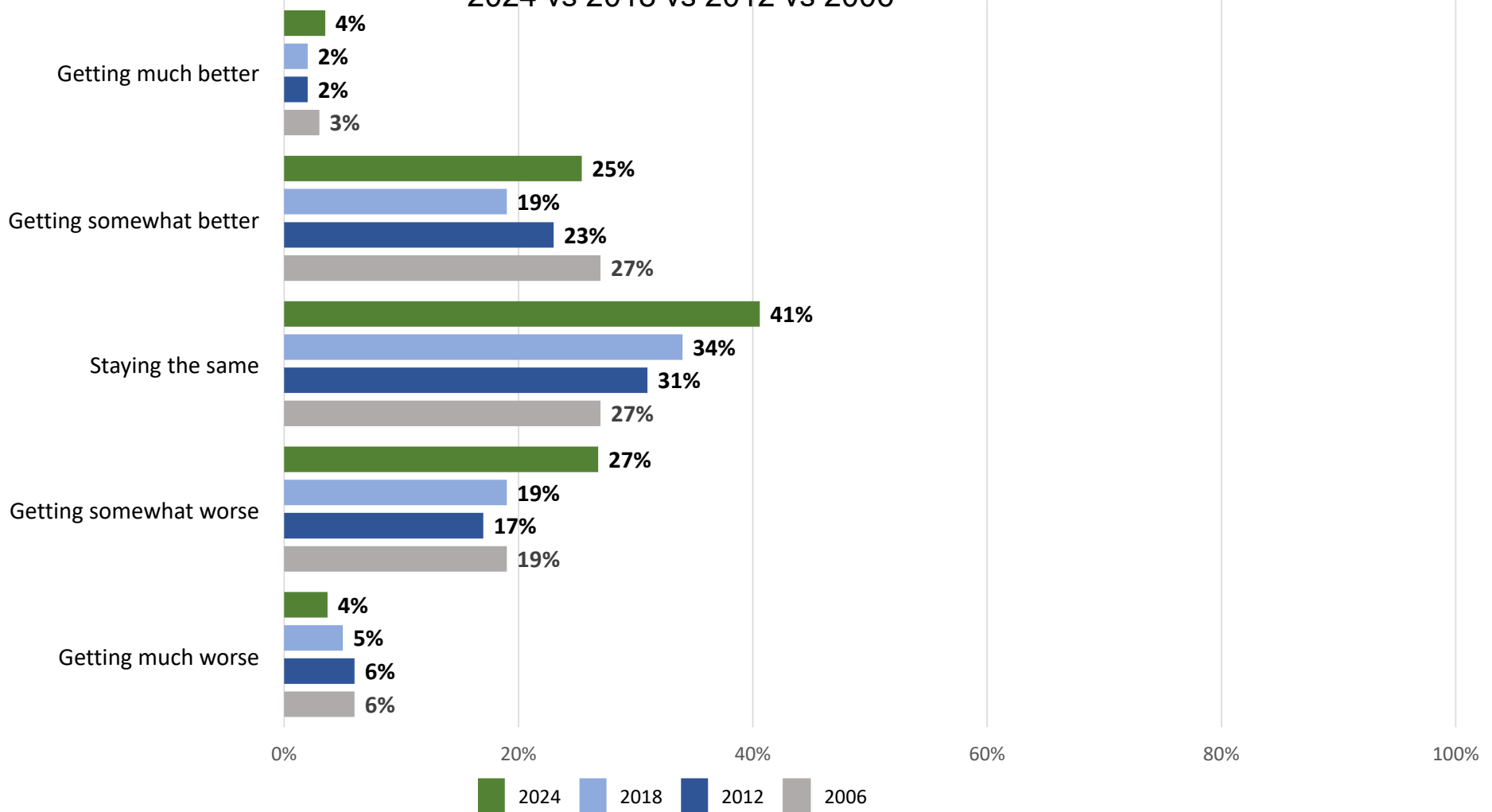
Q1. How concerned are you about pollution in lakes, rivers, and other waterways in the Greater Lansing area?

2024 vs 2018



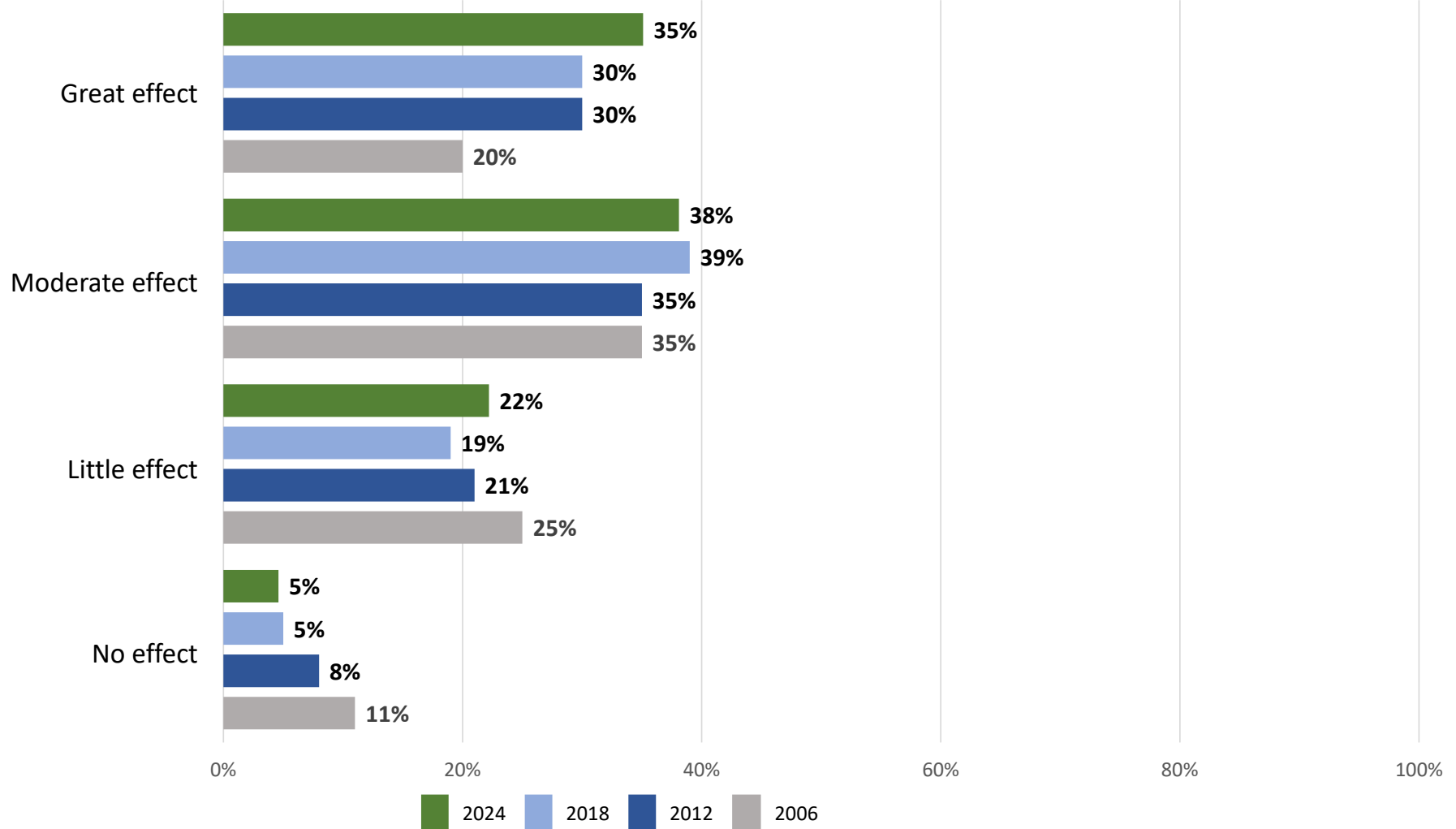
Q2. Do you think the quality of water in lakes, rivers, and streams in the community where you live is...

2024 vs 2018 vs 2012 vs 2006



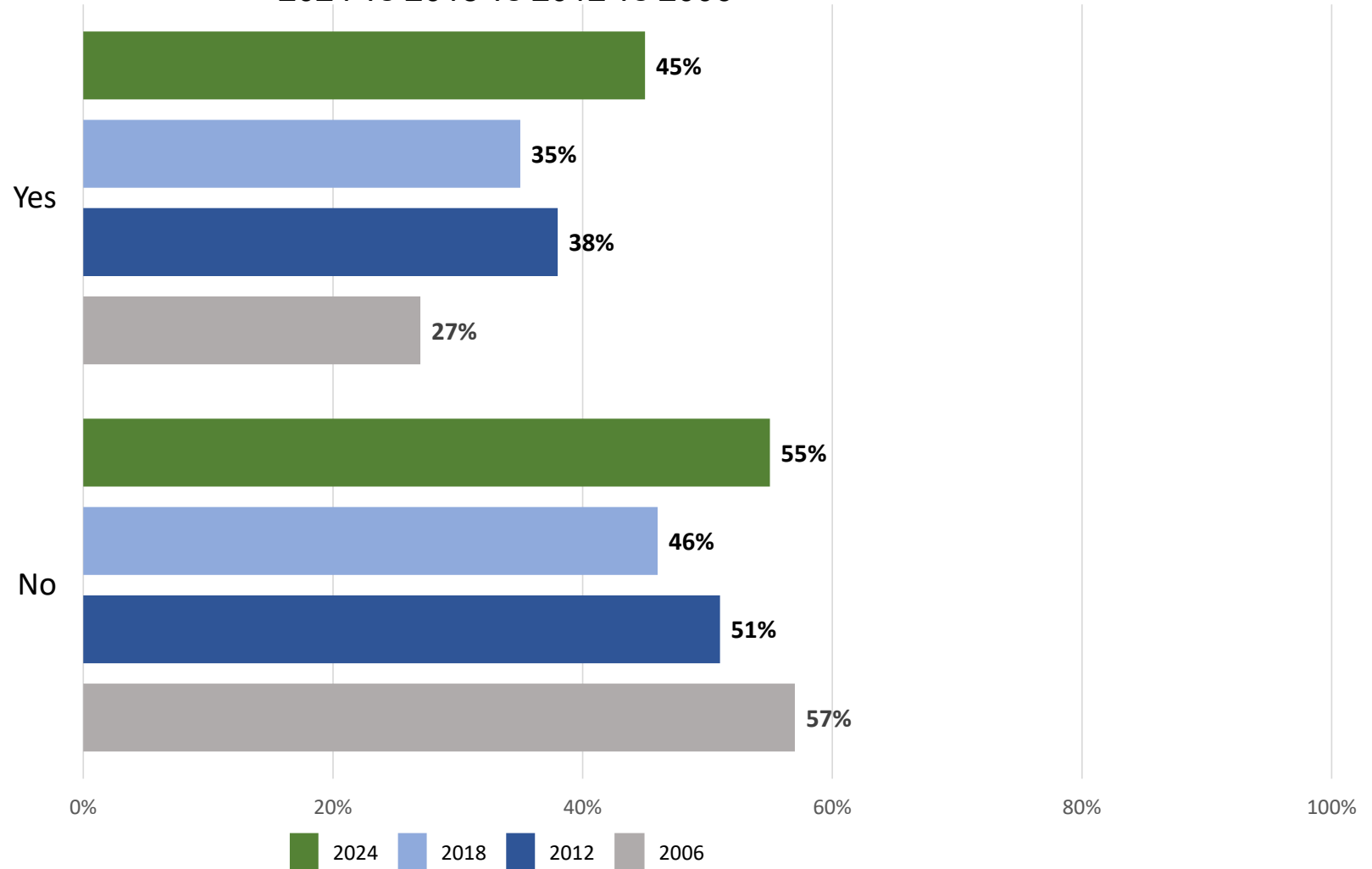
Q3. How much do you think the way you maintain your home (e.g., lawn care, trash disposal, pet care) affects the quality of water in lakes and streams in the community where you live?

2024 vs 2018 vs 2012 vs 2006



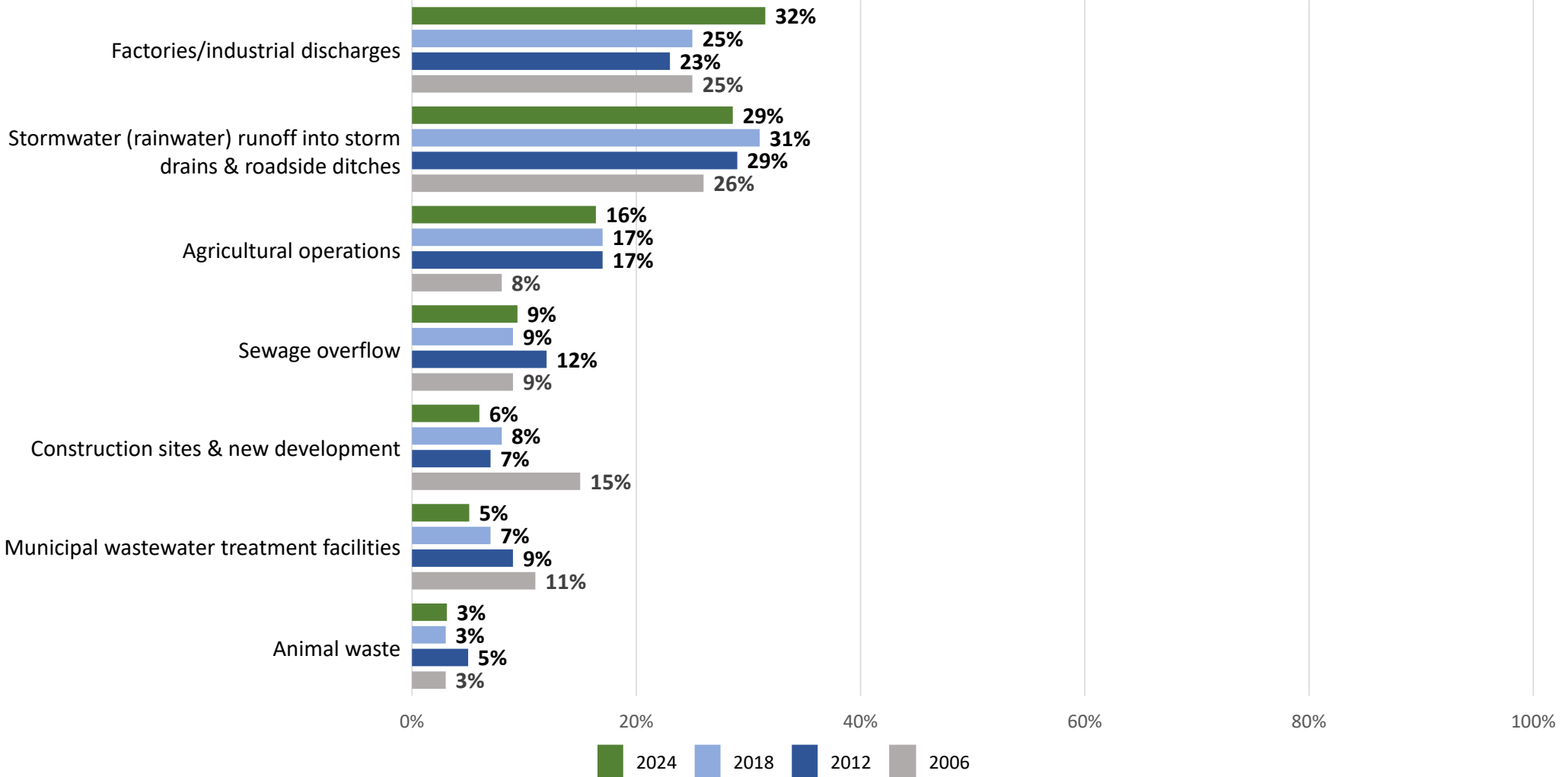
Q4. During the past 5 years, have you or someone in your household acted at your home or in your community to protect water resources?

2024 vs 2018 vs 2012 vs 2006



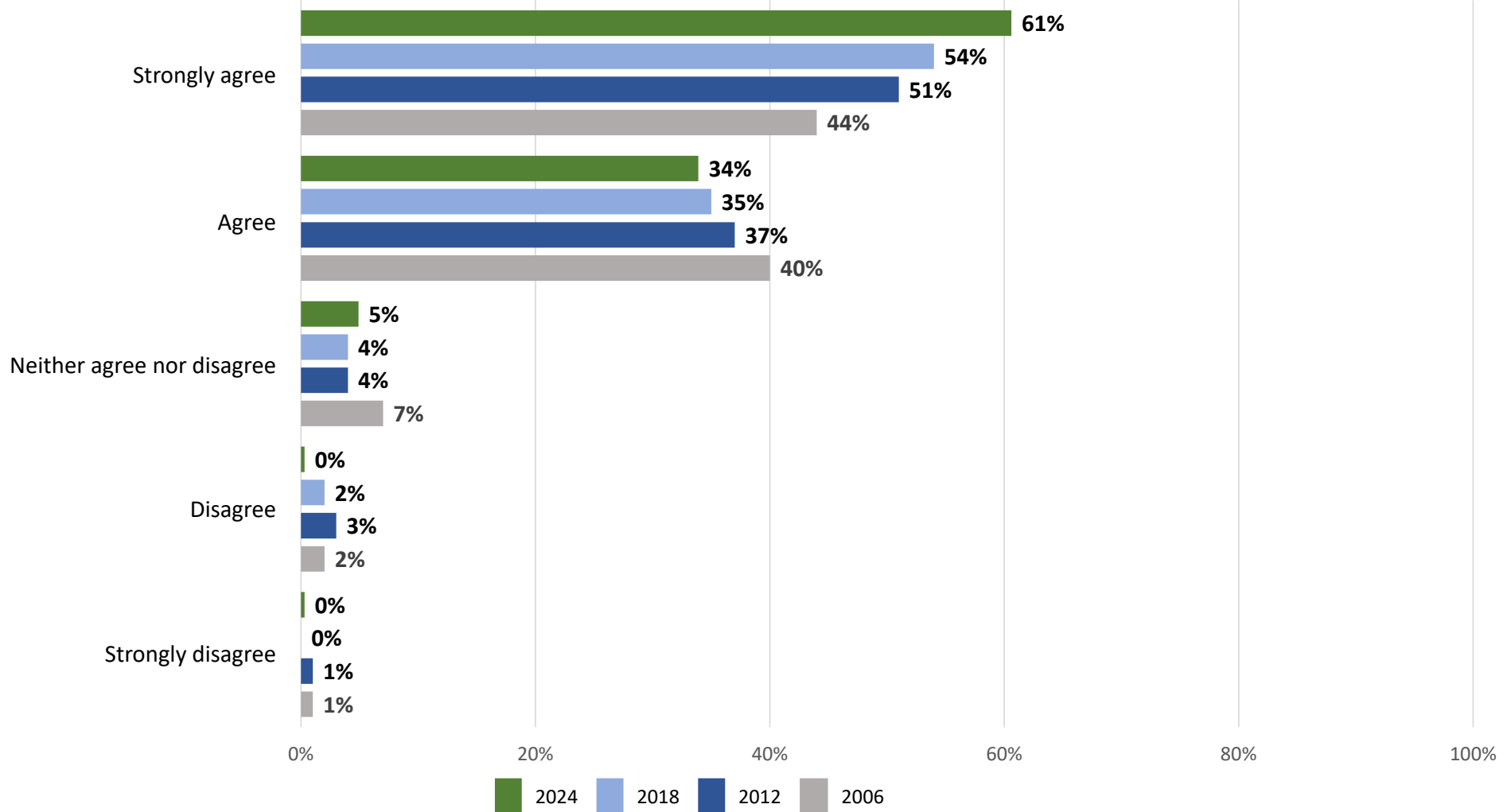
Q5. During the past year, which ONE of the following items do you think contributed MOST to pollution in lakes, rivers, and streams in the community where you live?

2024 vs 2018 vs 2012 vs 2006



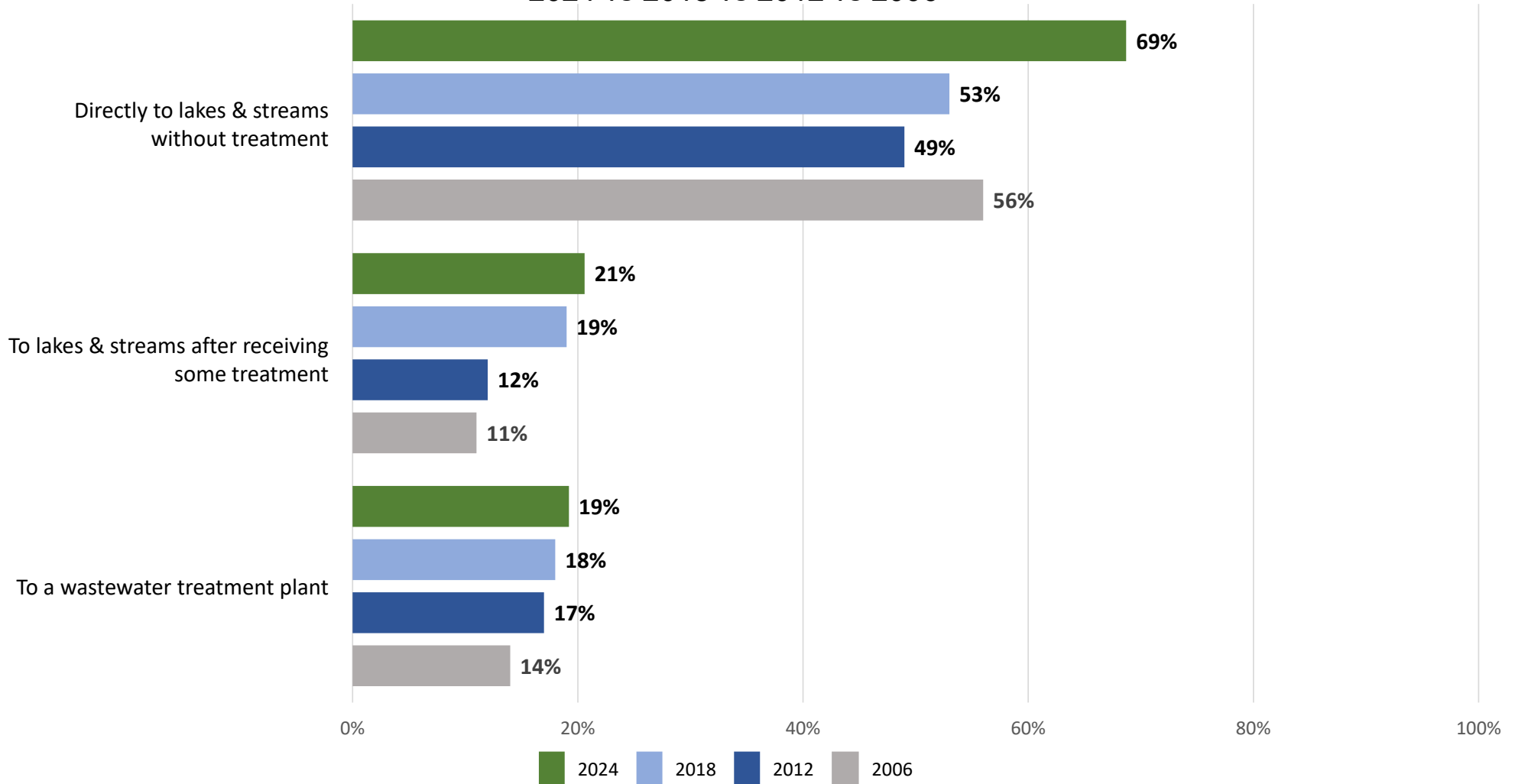
Q6. Please indicate your level of agreement with the following statement: "The quality of local streams and rivers where I live affects the Great Lakes."

2024 vs 2018 vs 2012 vs 2006

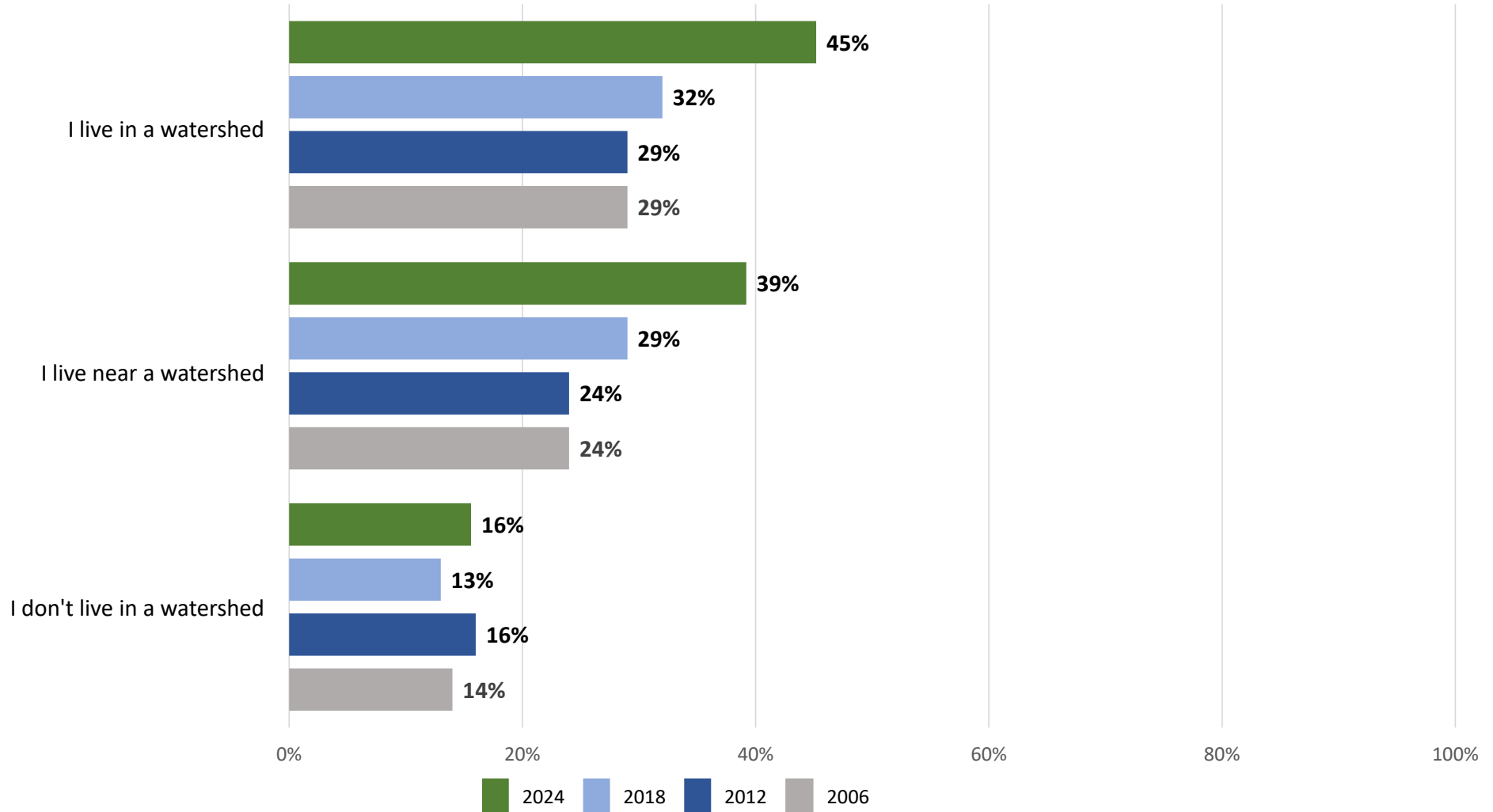


Q7. Where do you think stormwater (rainwater) goes after it enters a storm drain or roadside ditch in your community?

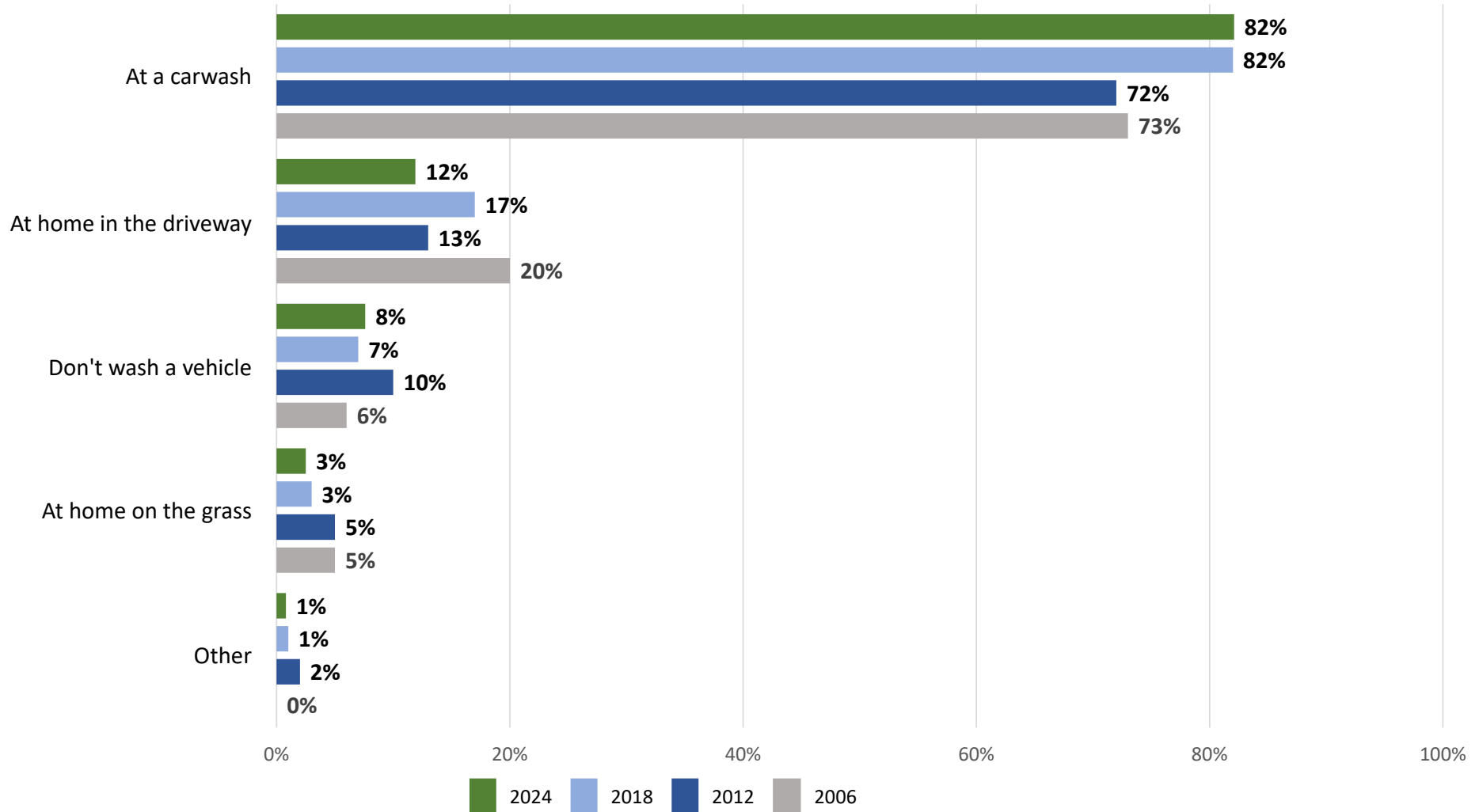
2024 vs 2018 vs 2012 vs 2006



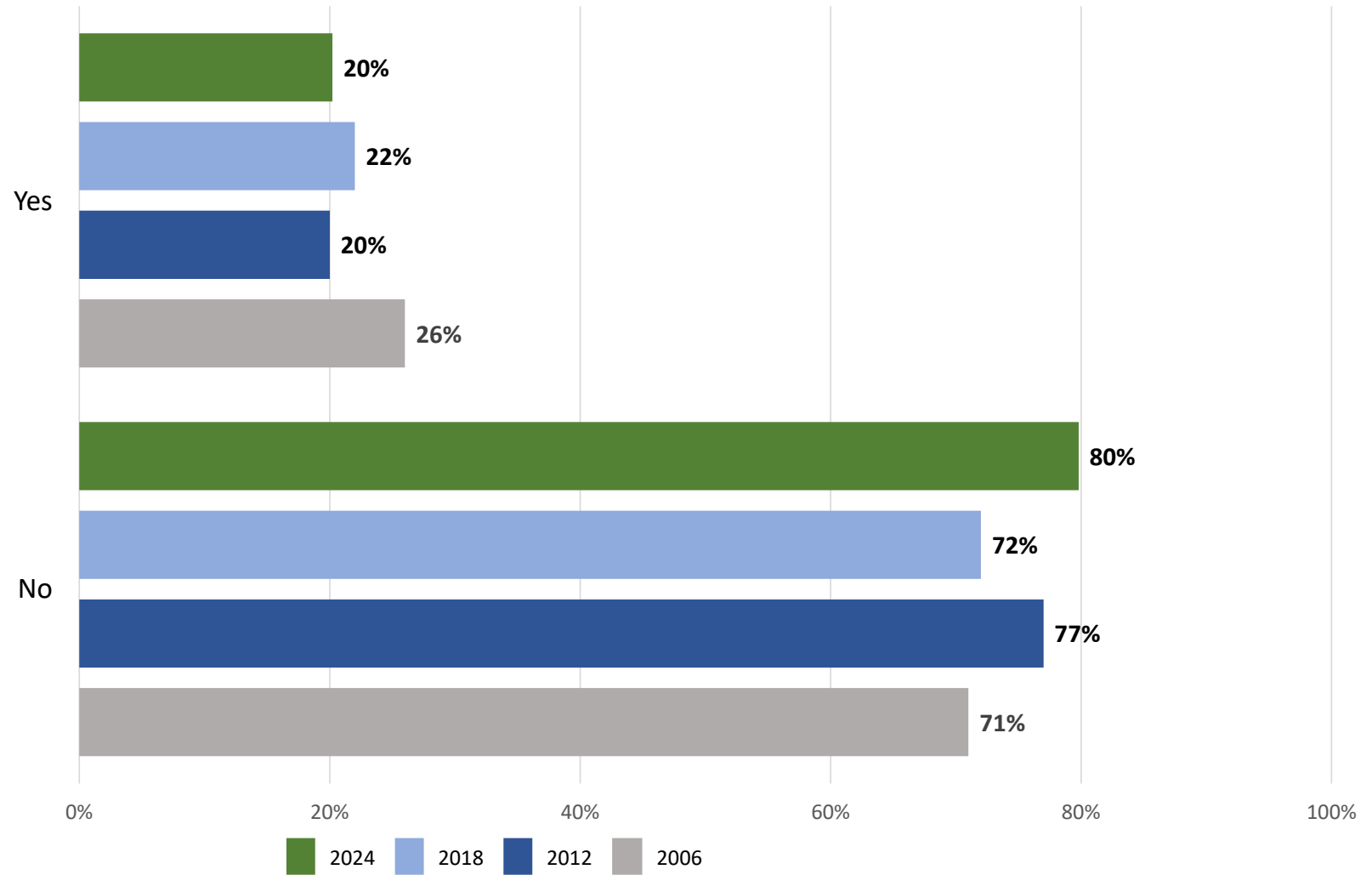
Q8. Which ONE of the following statements BEST describes the location where you live?
 2024 vs 2018 vs 2012 vs 2006



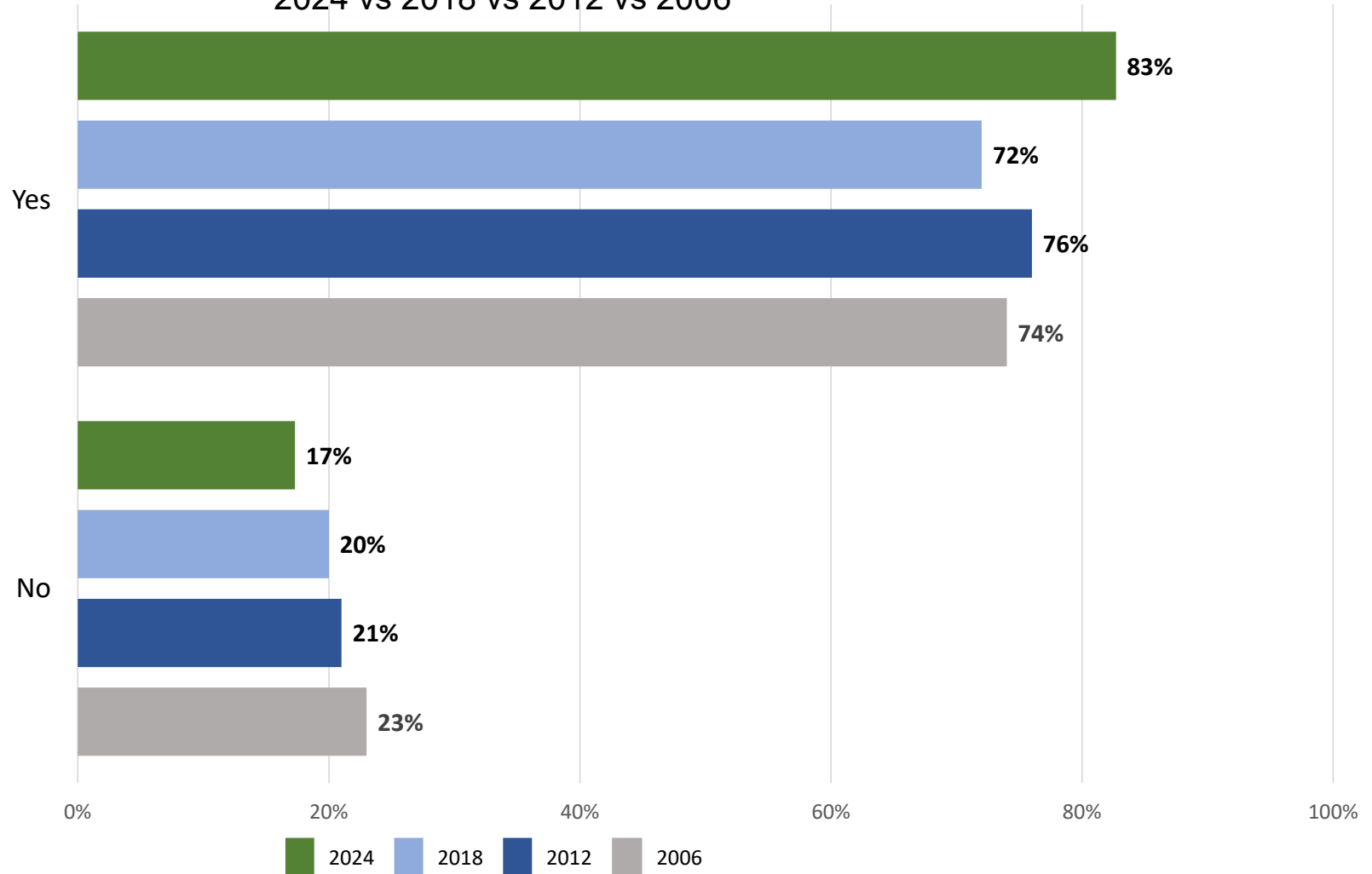
Q9. Where does your household typically wash your vehicle(s) during the summer? 2024 vs 2018 vs 2012 vs 2006



Q10. Do you have a septic system at your home? 2024 vs 2018 vs 2012 vs 2006

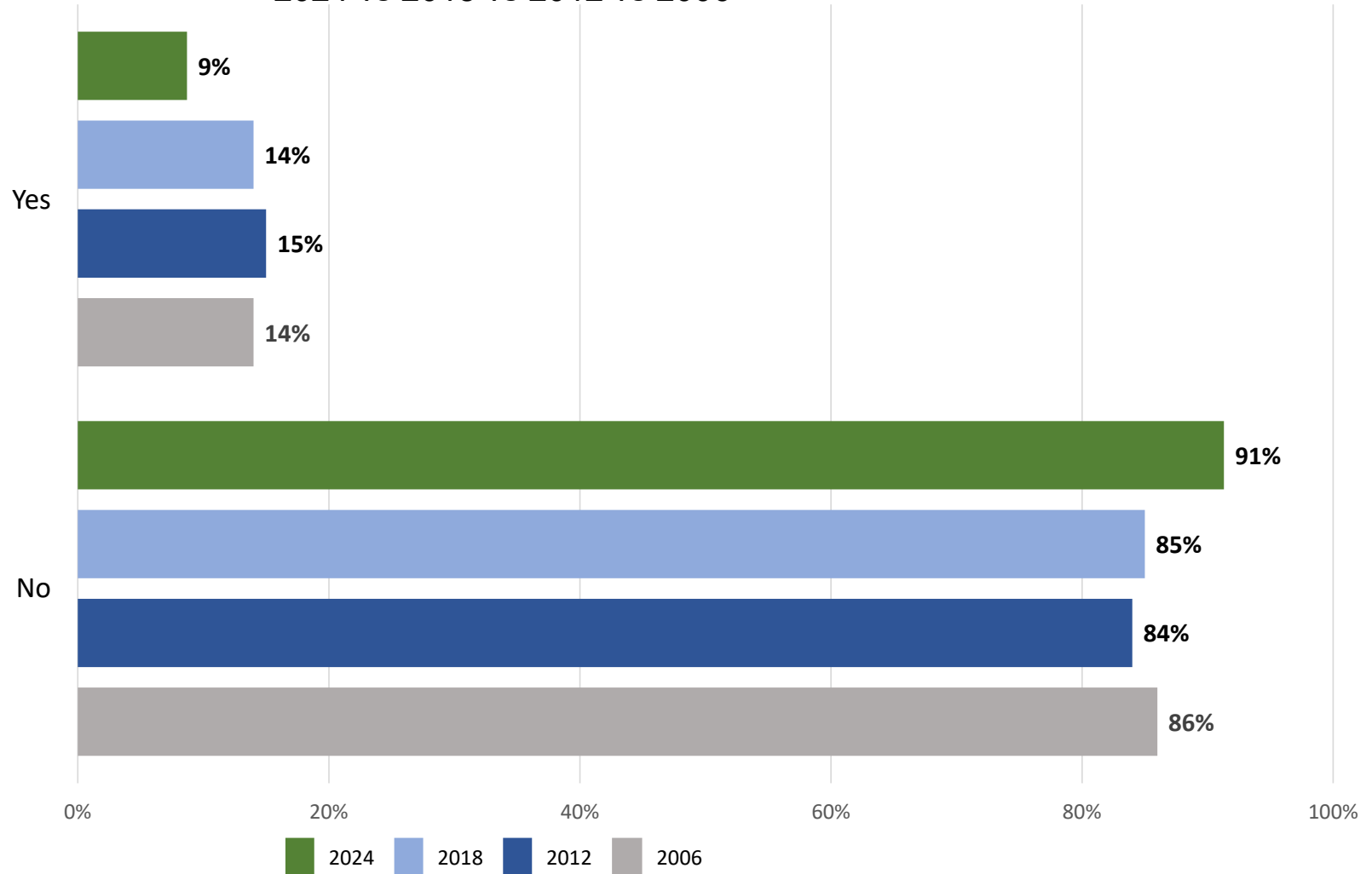


Q10a. If "Yes," has your household had your septic system checked or serviced during the past 5 years? 2024 vs 2018 vs 2012 vs 2006



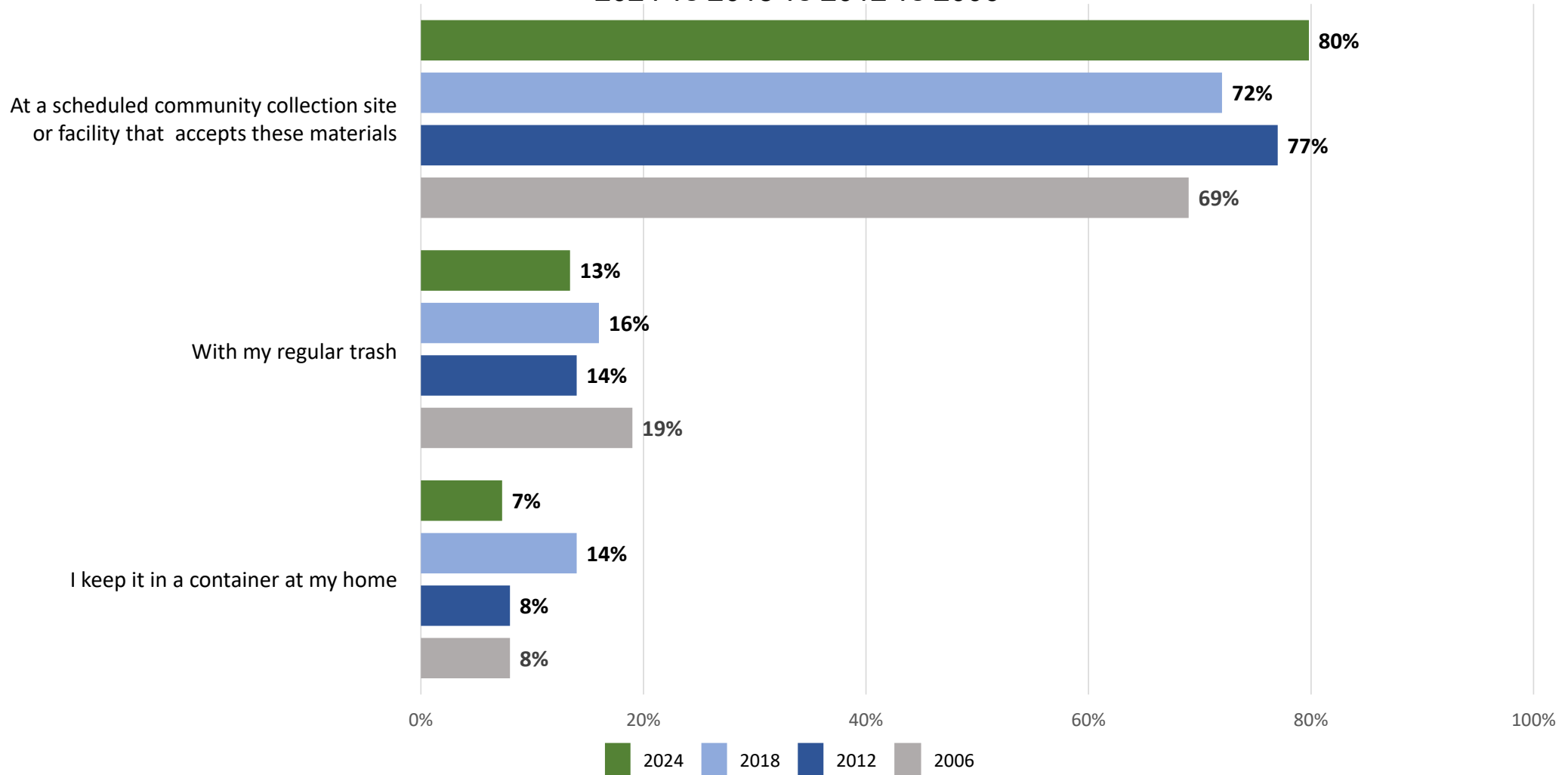
Q11. Do you or other members of your household usually change motor oil, transmission fluid, or radiator fluid for vehicles at your home?

2024 vs 2018 vs 2012 vs 2006

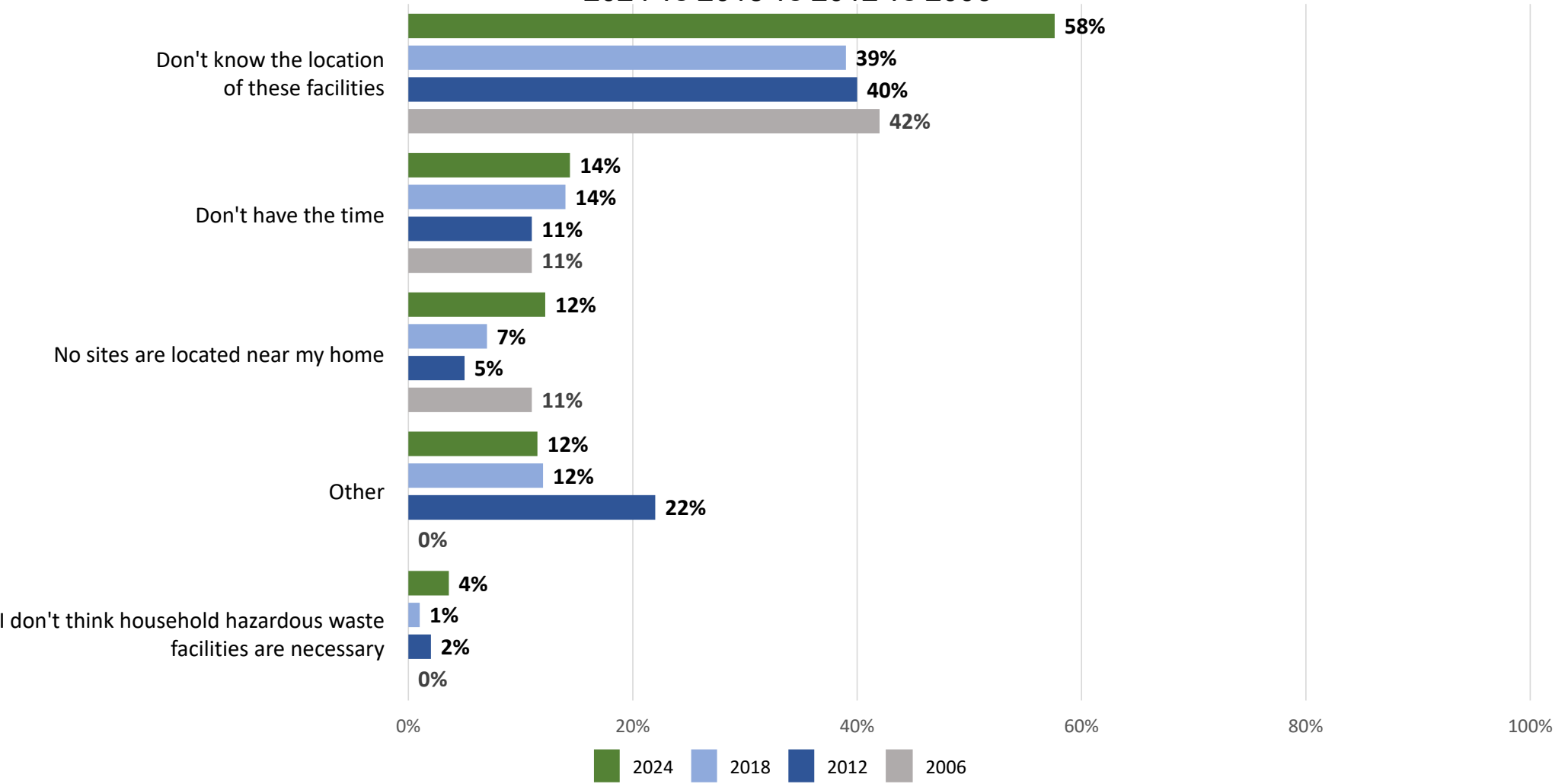


Q12. Where does your household typically dispose of materials such as old oil/fluids from your vehicle, batteries, pesticides, paints, or other household hazardous wastes?

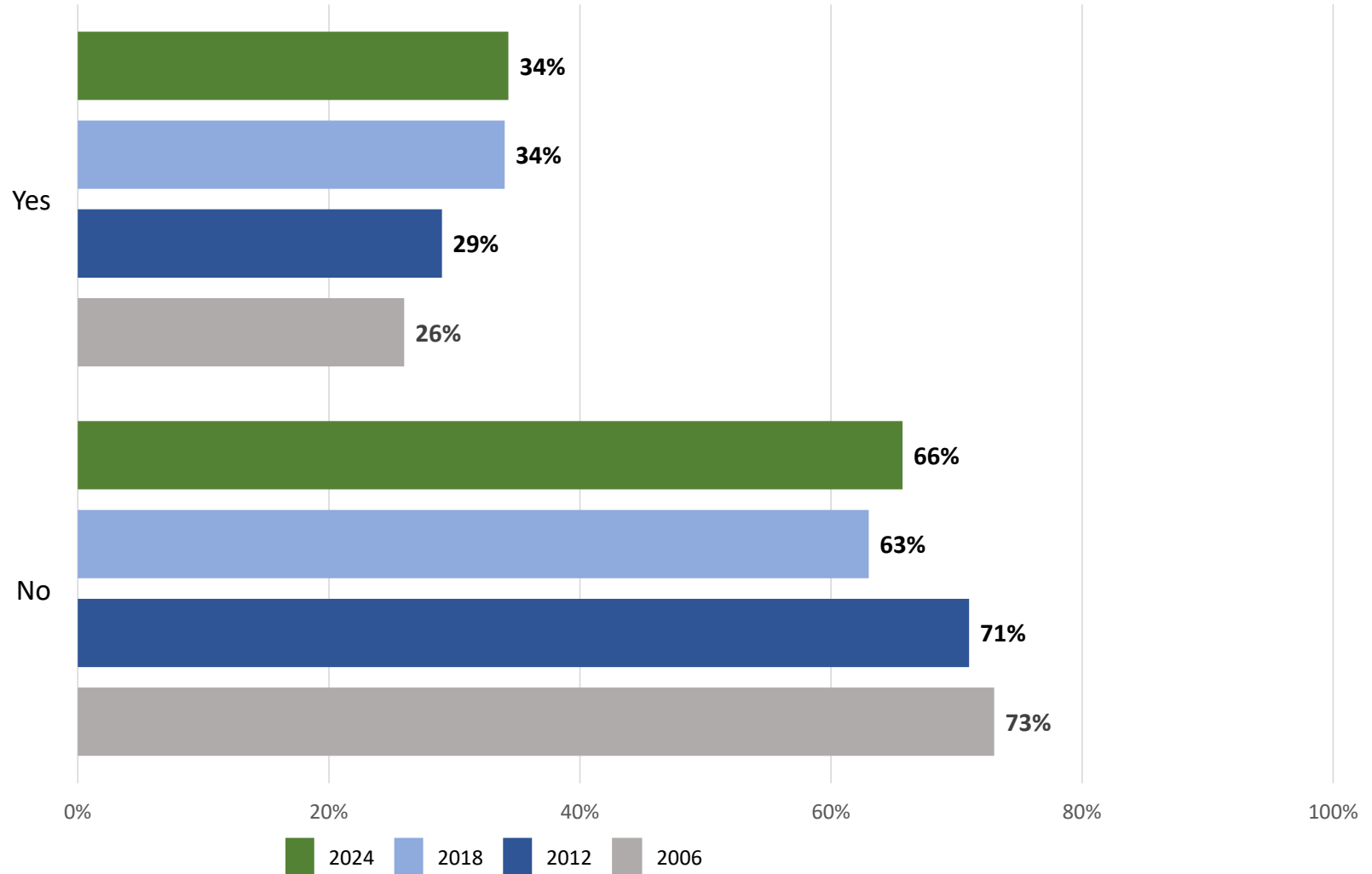
2024 vs 2018 vs 2012 vs 2006



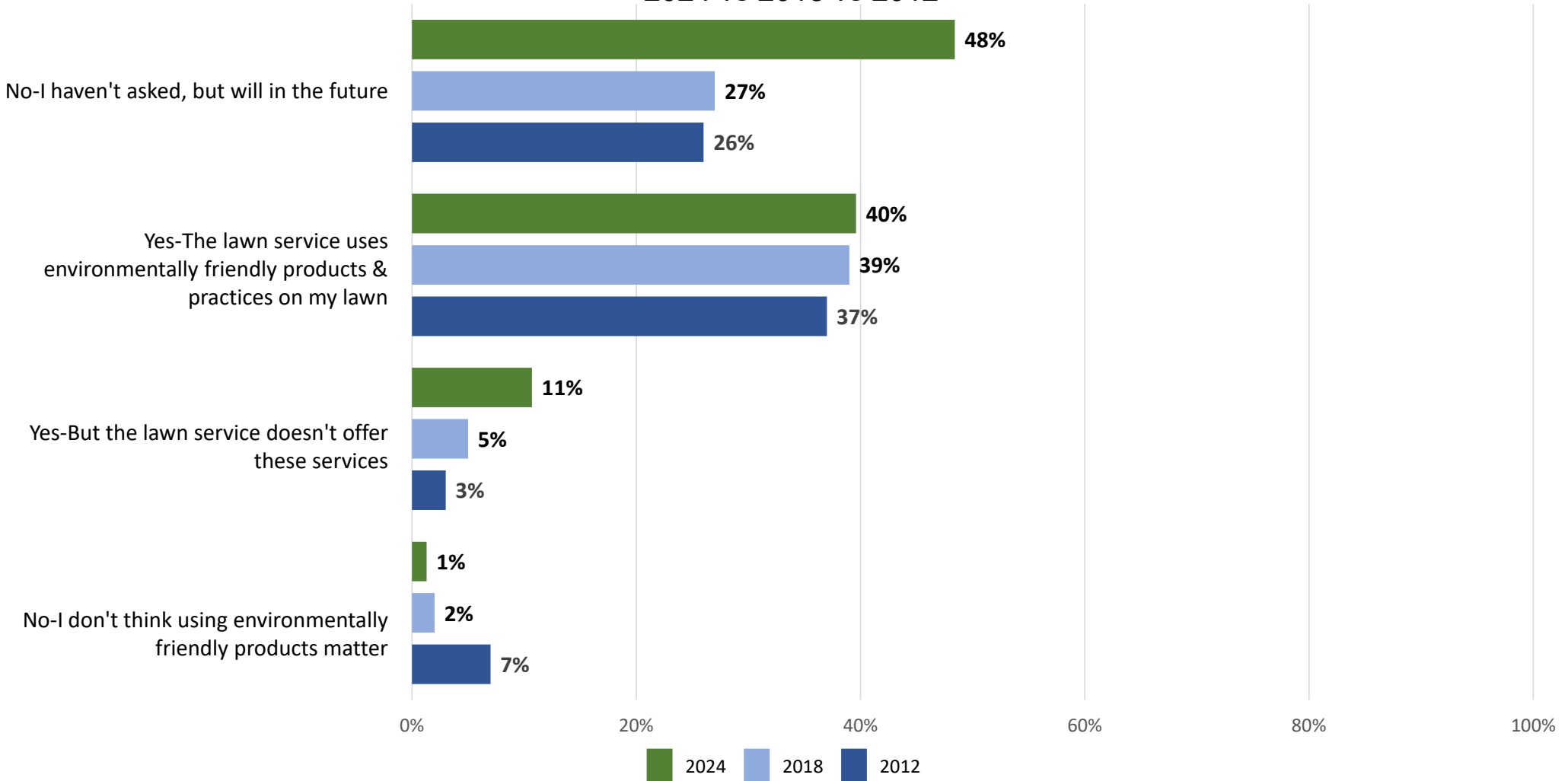
Q12a. Why doesn't your household typically dispose of your household hazardous waste at a community collection site? 2024 vs 2018 vs 2012 vs 2006



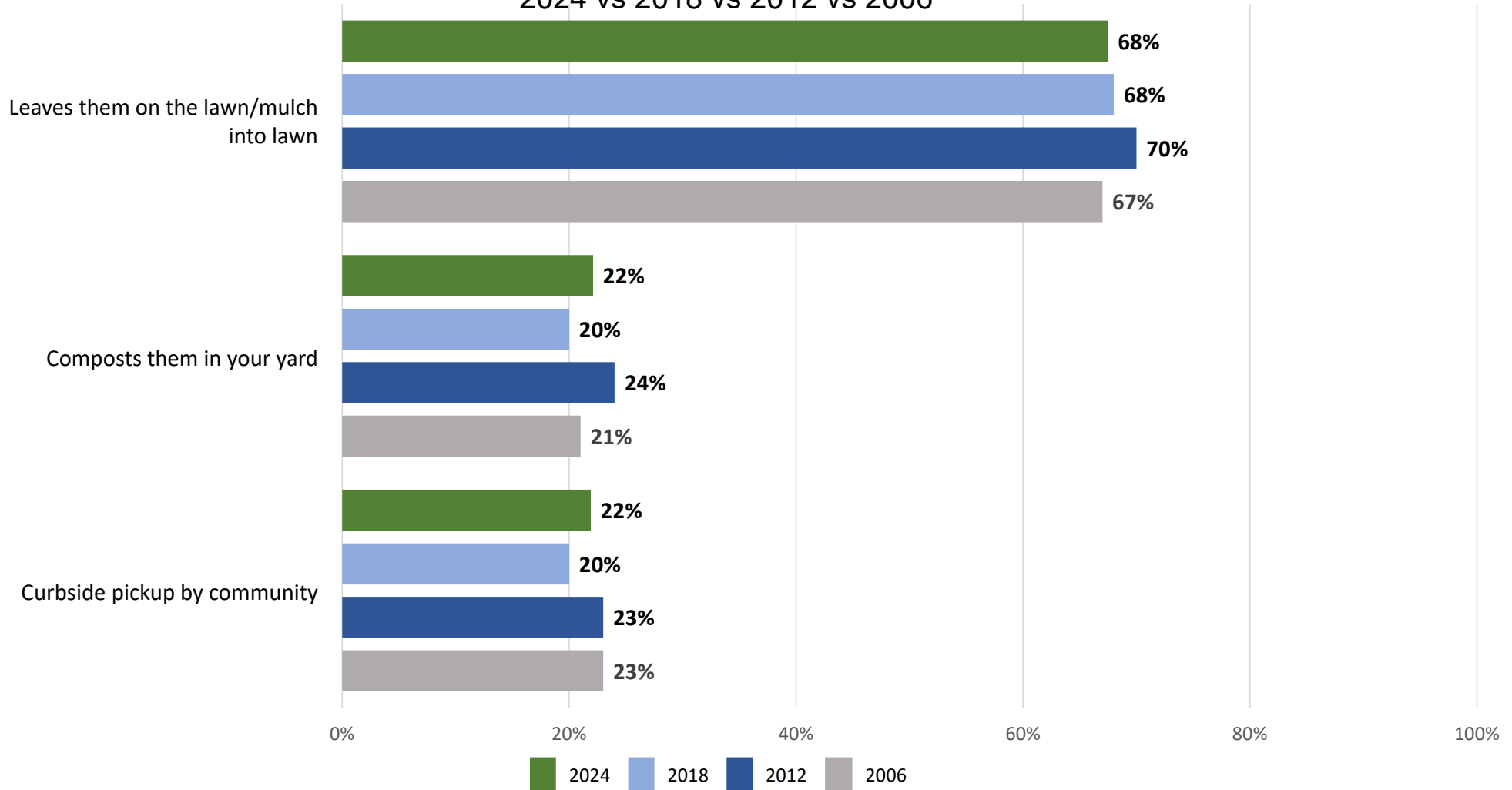
Q13. Does your household use a lawn service for mowing, fertilizer, and/or pesticide applications?
2024 vs 2018 vs 2012 vs 2006



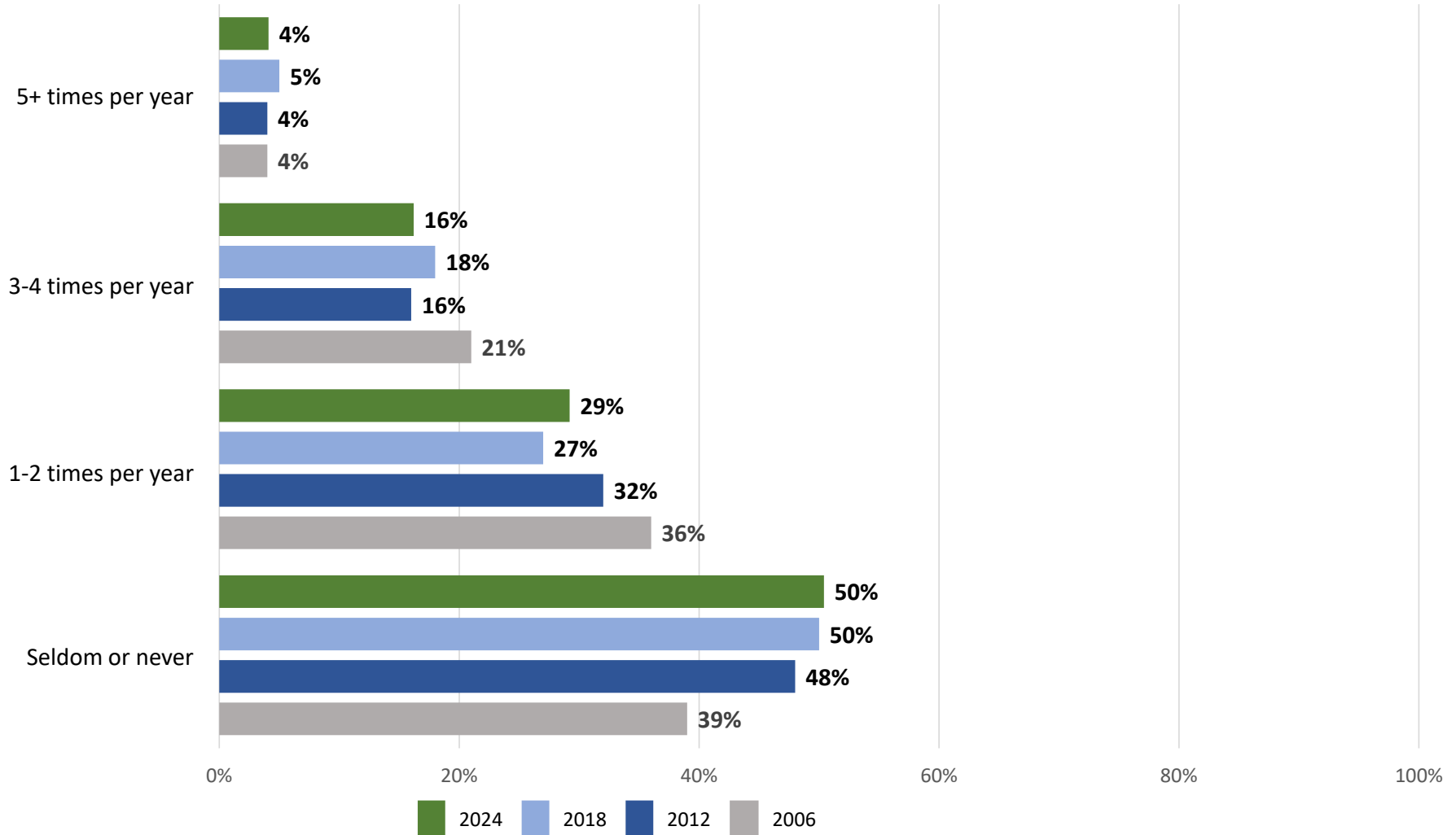
Q13a. If "Yes," does your household ask your lawn service to use environmentally friendly/organic products and practices? 2024 vs 2018 vs 2012



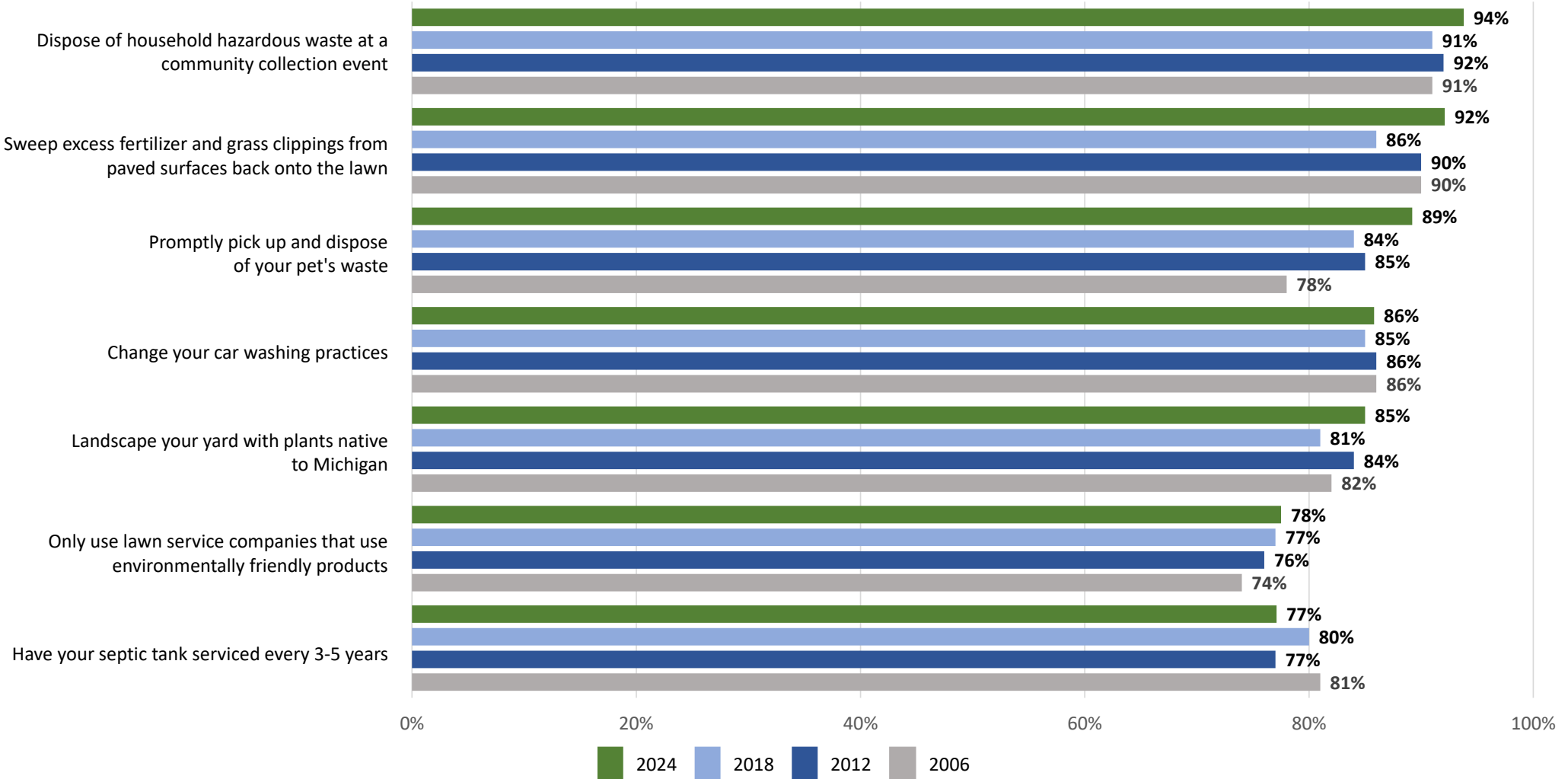
Q14. What does your household (or lawn service) typically do with your grass clippings and/or leaves? 2024 vs 2018 vs 2012 vs 2006



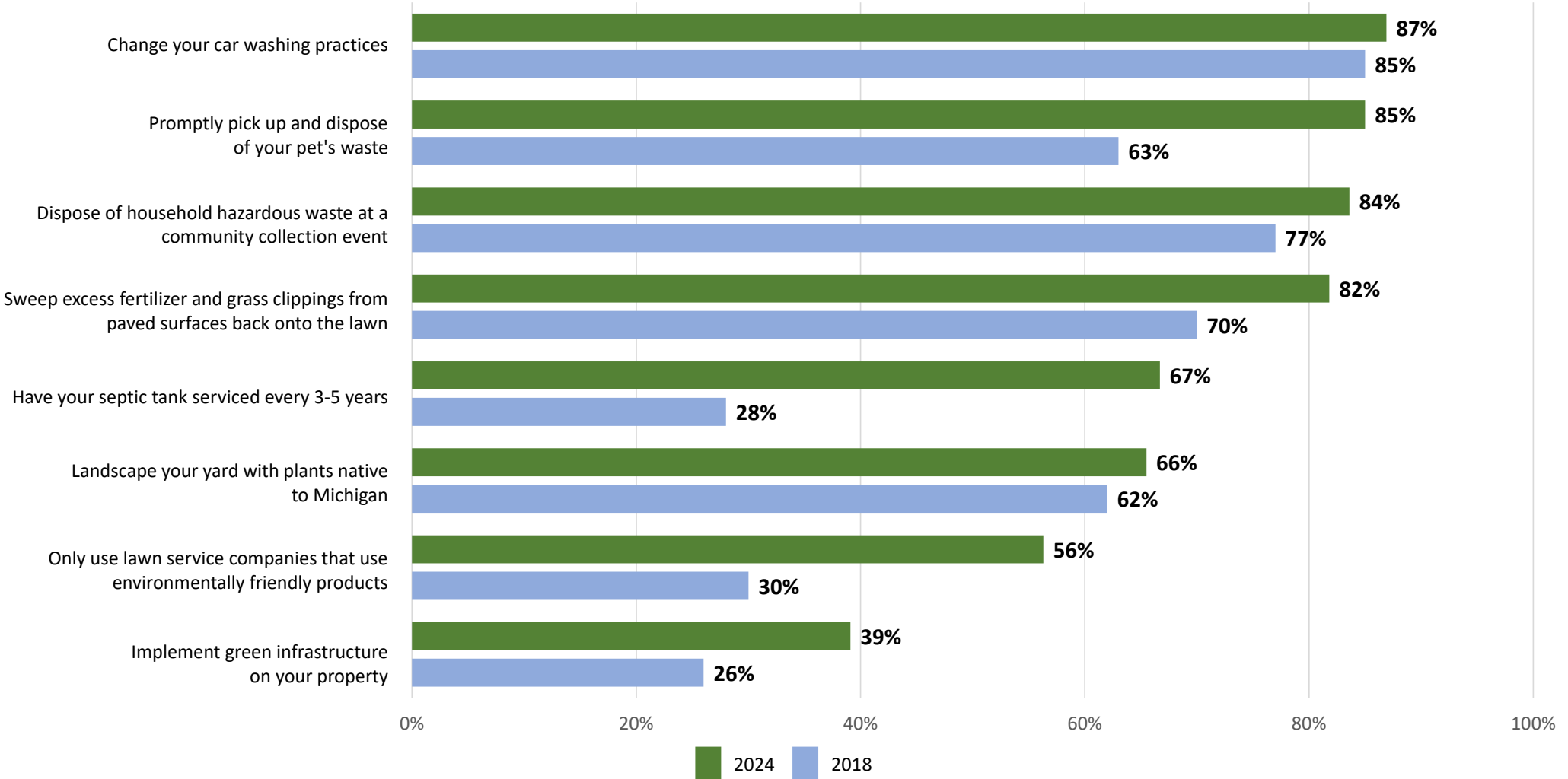
Q15. Which of the following BEST describes how often your household fertilizes your lawn? 2024 vs 2018 vs 2012 vs 2006



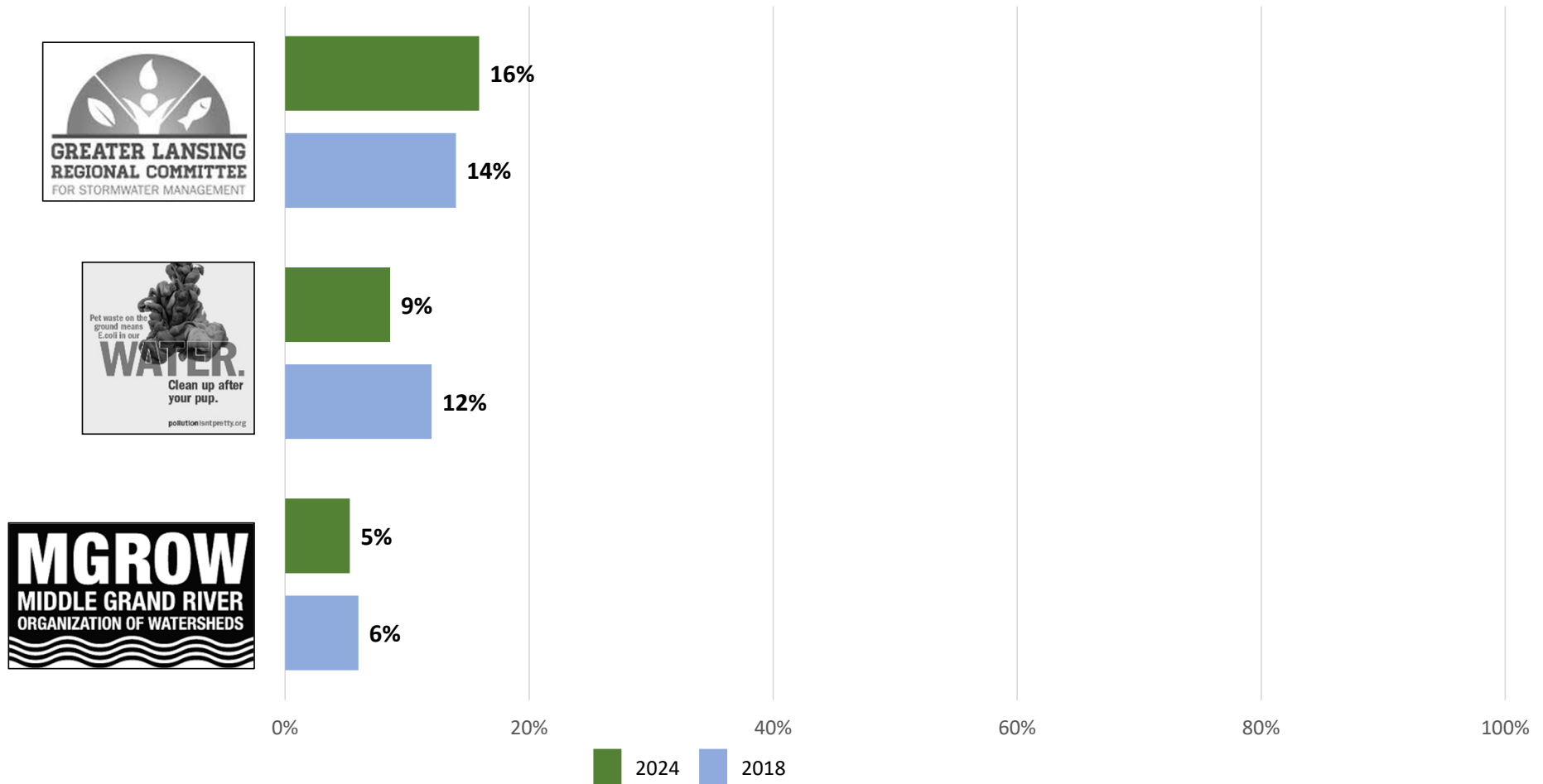
Q16. How Willing Are You To... 2024 vs 2018 vs 2012 vs 2006



Q16. Are You Currently... 2024 vs 2018

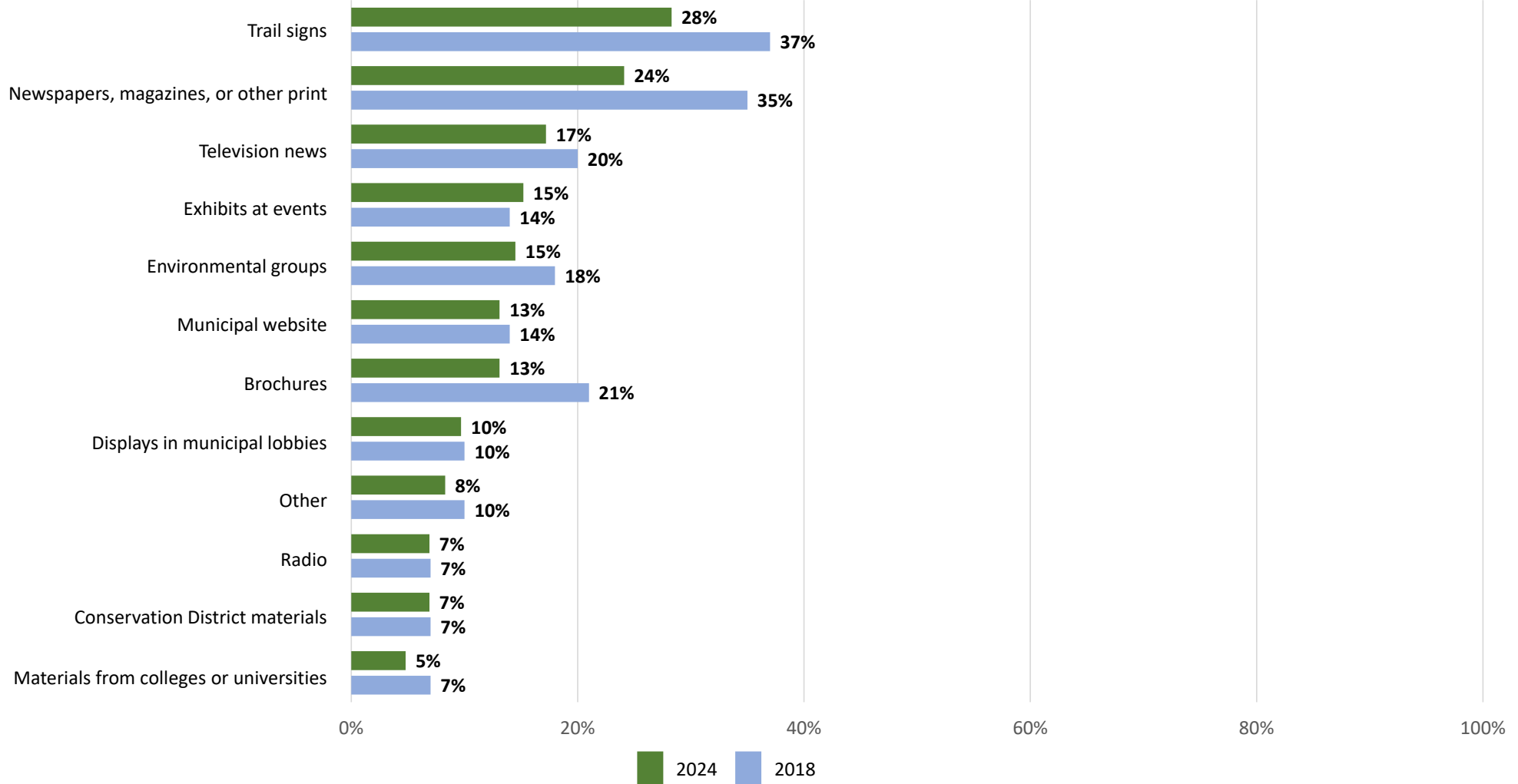


Q17. Have you seen or heard any information in advertisements, brochures, outdoor advertisements, displays, or other promotional materials about water quality in lakes and rivers from the following groups/campaigns?
2024 vs 2018

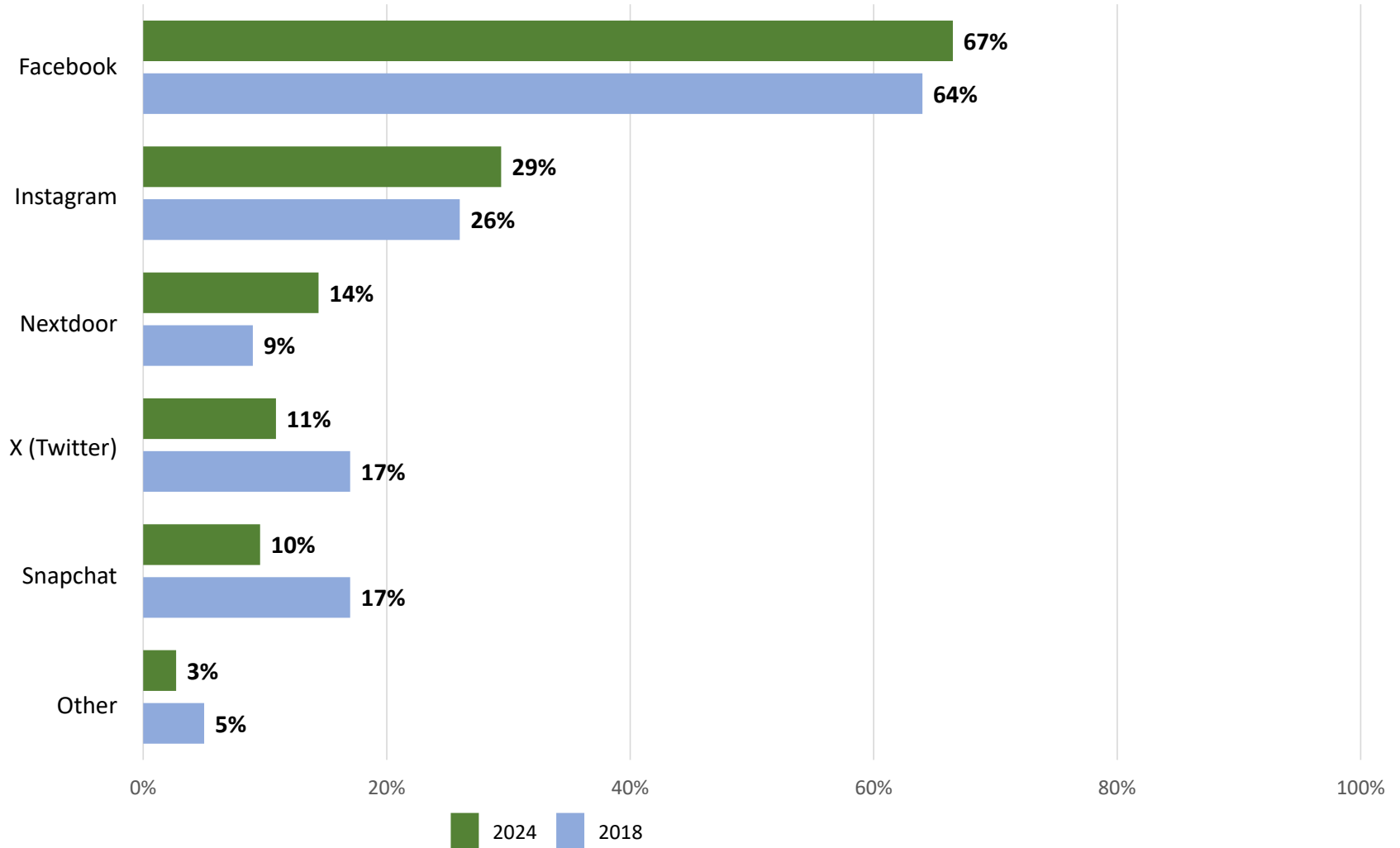


Q18. If you indicated you have seen or heard information from any of the groups/campaigns in Question 17, what SOURCES did you use to obtain the information from?

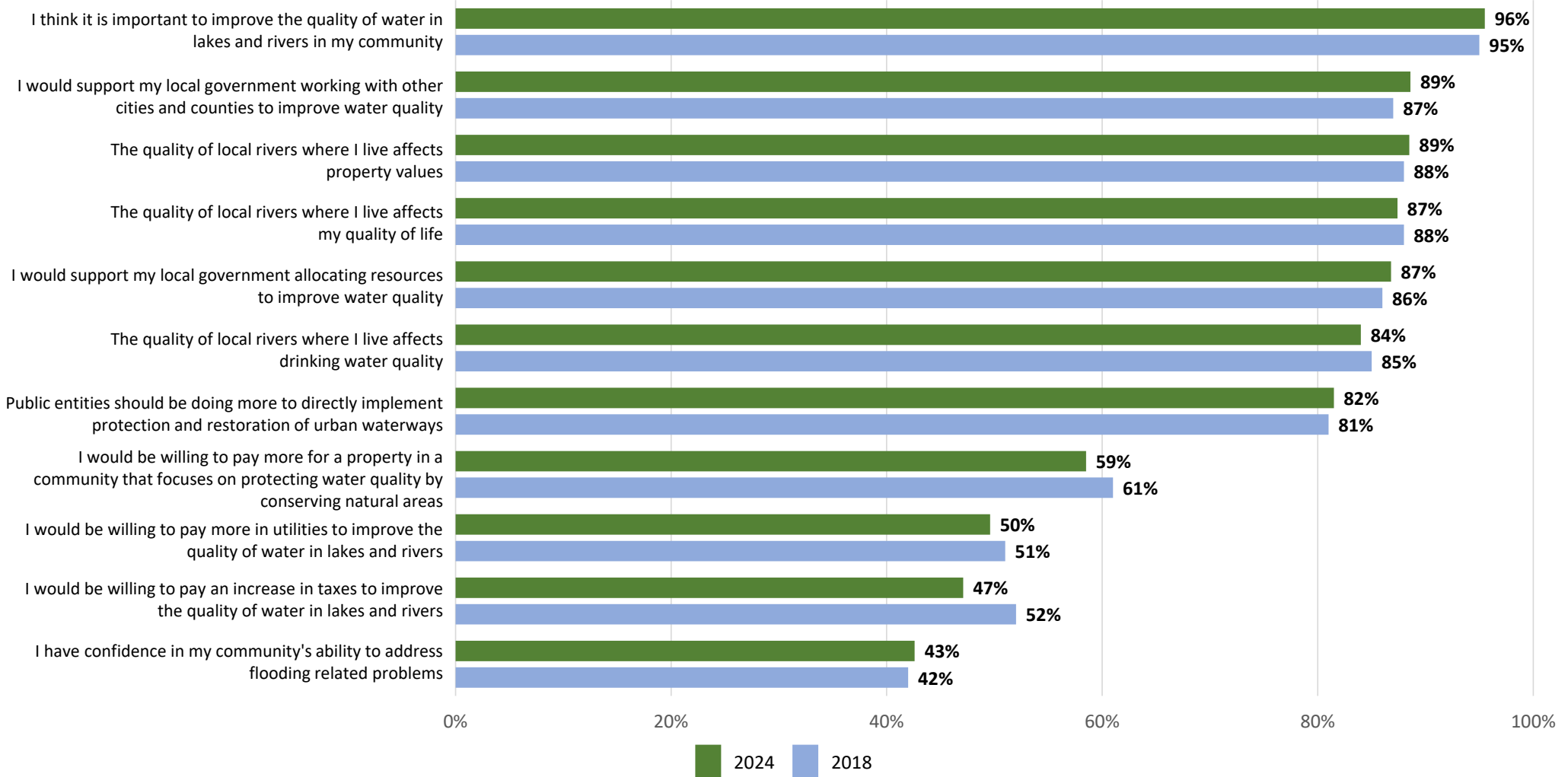
2024 vs 2018



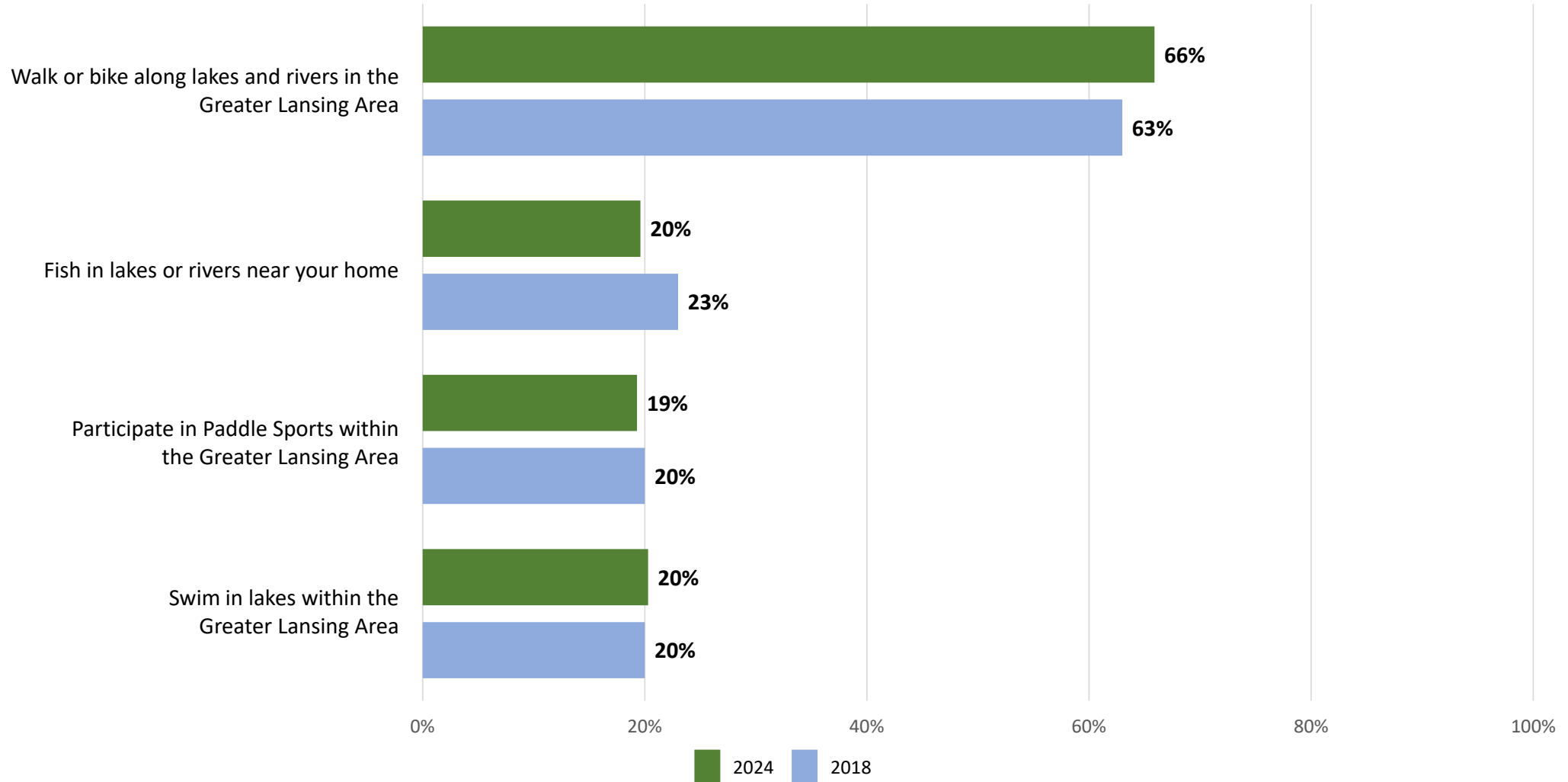
Q20. Which of the following social media platforms do you use? 2024 vs 2018



Q21. Level of Agreement 2024 vs 2018



Q22. How Often Do You... 2024 vs 2018





3

Tabular Data

2024 Greater Lansing Regional Water Education Survey Tabular Data

Watershed:

Watershed	Number	Percent
Red Cedar	201	33.3 %
Upper Grand	200	33.2 %
Looking Glass	202	33.5 %
Total	603	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

Q1. How concerned are you about pollution in lakes, rivers, and other waterways in the Greater Lansing area?

Q1. How concerned are you about pollution in lakes,
rivers, & other waterways

	Number	Percent
Very concerned	338	56.1 %
Somewhat concerned	232	38.5 %
Not concerned	24	4.0 %
Not sure	8	1.3 %
Not provided	1	0.2 %
Total	603	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

WITHOUT "NOT PROVIDED"

Q1. How concerned are you about pollution in lakes, rivers, and other waterways in the Greater Lansing area? (without "not provided")

Q1. How concerned are you about pollution in lakes,
rivers, & other waterways

	Number	Percent
Very concerned	338	56.1 %
Somewhat concerned	232	38.5 %
Not concerned	24	4.0 %
Not sure	8	1.3 %
Total	602	100.0 %

Missing Cases = 1

Response Percent = 99.8 %

Q2. Do you think the quality of water in lakes, rivers, and streams in the community where you live is...

Q2. What do you think the quality of water in lakes, rivers, & streams in the community where you live is	Number	Percent
Getting much better	17	2.8 %
Getting somewhat better	123	20.4 %
Staying the same	197	32.7 %
Getting somewhat worse	130	21.6 %
Getting much worse	18	3.0 %
Don't know	118	19.6 %
Total	603	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

WITHOUT "DON'T KNOW"**Q2. Do you think the quality of water in lakes, rivers, and streams in the community where you live is... (without "don't know")**

Q2. What do you think the quality of water in lakes, rivers, & streams in the community where you live is	Number	Percent
Getting much better	17	3.5 %
Getting somewhat better	123	25.4 %
Staying the same	197	40.6 %
Getting somewhat worse	130	26.8 %
Getting much worse	18	3.7 %
Total	485	100.0 %

Missing Cases = 118

Response Percent = 80.4 %

Q3. How much do you think the way you maintain your home (e.g., lawn care, trash disposal, pet care) affects the quality of water in lakes and streams in the community where you live?

Q3. How much does the way you maintain your home affect quality of water in lakes & streams in the community where you live	Number	Percent
Great effect	199	33.0 %
Moderate effect	216	35.8 %
Little effect	126	20.9 %
No effect	26	4.3 %
Don't know	36	6.0 %
Total	603	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

WITHOUT "DON'T KNOW"**Q3. How much do you think the way you maintain your home (e.g., lawn care, trash disposal, pet care) affects the quality of water in lakes and streams in the community where you live? (without "don't know")**

Q3. How much does the way you maintain your home affect quality of water in lakes & streams in the community where you live

	Number	Percent
Great effect	199	35.1 %
Moderate effect	216	38.1 %
Little effect	126	22.2 %
No effect	26	4.6 %
Total	567	100.0 %

Missing Cases = 36

Response Percent = 94.0 %

Q4. During the past 5 years, have you or someone in your household acted at your home or in your community to protect water resources?

Q4. Have you or someone in your household acted at your home or in your community to protect water resources during past 5 years

	Number	Percent
Yes	224	37.1 %
No	274	45.4 %
Don't know	105	17.4 %
Total	603	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

WITHOUT "DON'T KNOW"**Q4. During the past 5 years, have you or someone in your household acted at your home or in your community to protect water resources? (without "don't know")**

Q4. Have you or someone in your household acted at your home or in your community to protect water resources during past 5 years

	Number	Percent
Yes	224	45.0 %
No	274	55.0 %
Total	498	100.0 %

Missing Cases = 105

Response Percent = 82.6 %

Q5. During the past year, which ONE of the following items do you think contributed MOST to pollution in lakes, rivers, and streams in the community where you live?

Q5. Which one item contributed most to pollution in lakes, rivers, & streams in the community where you live during past year

	Number	Percent
Municipal wastewater treatment facilities	30	5.0 %
Factories/industrial discharges	185	30.7 %
Stormwater (rainwater) runoff into storm drains & roadside ditches	168	27.9 %
Sewage overflow	55	9.1 %
Animal waste	18	3.0 %
Construction sites & new development	35	5.8 %
Agricultural operations	96	15.9 %
Not provided	16	2.7 %
Total	603	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

WITHOUT "NOT PROVIDED"

Q5. During the past year, which ONE of the following items do you think contributed MOST to pollution in lakes, rivers, and streams in the community where you live? (without "not provided")

Q5. Which one item contributed most to pollution in lakes, rivers, & streams in the community where you live during past year

	Number	Percent
Municipal wastewater treatment facilities	30	5.1 %
Factories/industrial discharges	185	31.5 %
Stormwater (rainwater) runoff into storm drains & roadside ditches	168	28.6 %
Sewage overflow	55	9.4 %
Animal waste	18	3.1 %
Construction sites & new development	35	6.0 %
Agricultural operations	96	16.4 %
Total	587	100.0 %

Missing Cases = 16

Response Percent = 97.3 %

Q6. Please indicate your level of agreement with the following statement: "The quality of local streams and rivers where I live affects the Great Lakes."

Q6. Quality of local streams & rivers where I live affects the Great Lakes

	Number	Percent
Strongly agree	349	57.9 %
Agree	195	32.3 %
Neither agree nor disagree	28	4.6 %
Disagree	2	0.3 %
Strongly disagree	2	0.3 %
Don't know	27	4.5 %
Total	603	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

WITHOUT "DON'T KNOW"**Q6. Please indicate your level of agreement with the following statement: "The quality of local streams and rivers where I live affects the Great Lakes." (without "don't know")**

Q6. Quality of local streams & rivers where I live affects the Great Lakes	Number	Percent
Strongly agree	349	60.6 %
Agree	195	33.9 %
Neither agree nor disagree	28	4.9 %
Disagree	2	0.3 %
Strongly disagree	2	0.3 %
Total	576	100.0 %

Missing Cases = 27

Response Percent = 95.5 %

Q7. Where do you think stormwater (rainwater) goes after it enters a storm drain or roadside ditch in your community?

Q7. Where does stormwater (rainwater) go after it enters a storm drain or roadside ditch in your community	Number	Percent
Directly to lakes & streams without treatment	342	56.7 %
To lakes & streams after receiving some treatment	102	16.9 %
To a wastewater treatment plant	96	15.9 %
Don't know	108	17.9 %
Total	648	

Number of Cases = 603

Number of Responses = 648

Average Number Of Responses Per Case = 1.1

Number Of Cases With At Least One Response = 600

Response Percent = 99.5 %

WITHOUT "DON'T KNOW"**Q7. Where do you think stormwater (rainwater) goes after it enters a storm drain or roadside ditch in your community? (without "don't know")**

Q7. Where does stormwater (rainwater) go after it enters a storm drain or roadside ditch in your community	Number	Percent
Directly to lakes & streams without treatment	340	68.7 %
To lakes & streams after receiving some treatment	102	20.6 %
To a wastewater treatment plant	95	19.2 %
Total	537	

Number of Cases = 495

Number of Responses = 537

Average Number Of Responses Per Case = 1.1

Number Of Cases With At Least One Response = 492

Response Percent = 99.4 %

Q8. Which ONE of the following statements BEST describes the location where you live?

Q8. What statement best describes the location where you live

	Number	Percent
I live near a watershed	181	30.0 %
I live in a watershed	209	34.7 %
I don't live in a watershed	72	11.9 %
Don't know/I am not familiar with the term "Watershed"	141	23.4 %
Total	603	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

WITHOUT "DON'T KNOW"**Q8. Which ONE of the following statements BEST describes the location where you live? (without "don't know")**

Q8. What statement best describes the location where you live

	Number	Percent
I live near a watershed	181	39.2 %
I live in a watershed	209	45.2 %
I don't live in a watershed	72	15.6 %
Total	462	100.0 %

Missing Cases = 141

Response Percent = 76.6 %

Q9. Where does your household typically wash your vehicle(s) during the summer?

Q9. Where does your household typically wash your vehicle(s) during the summer

	Number	Percent
At home in the driveway	72	11.9 %
At home on the grass	15	2.5 %
At a carwash	495	82.1 %
Other	5	0.8 %
Don't wash a vehicle	46	7.6 %
Total	633	

Number of Cases = 603

Number of Responses = 633

Average Number Of Responses Per Case = 1.0

Number Of Cases With At Least One Response = 597

Response Percent = 99.0 %

Q10. Do you have a septic system at your home?

Q10. Do you have a septic system at your home	Number	Percent
Yes	116	19.2 %
No	457	75.8 %
Don't know	30	5.0 %
Total	603	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

WITHOUT "DON'T KNOW"**Q10. Do you have a septic system at your home? (without "don't know")**

Q10. Do you have a septic system at your home	Number	Percent
Yes	116	20.2 %
No	457	79.8 %
Total	573	100.0 %

Missing Cases = 30

Response Percent = 95.0 %

Q10a. If "Yes" to Question 10, has your household had your septic system checked or serviced during the past 5 years?

Q10a. Has your household had your septic system checked or serviced during past 5 years	Number	Percent
Yes	91	78.4 %
No	19	16.4 %
Don't know	6	5.2 %
Total	116	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

WITHOUT "DON'T KNOW"**Q10a. If "Yes" to Question 10, has your household had your septic system checked or serviced during the past 5 years? (without "don't know")**

Q10a. Has your household had your septic system checked or serviced during past 5 years	Number	Percent
Yes	91	82.7 %
No	19	17.3 %
Total	110	100.0 %

Missing Cases = 6

Response Percent = 94.8 %

Q11. Do you or other members of your household usually change motor oil, transmission fluid, or radiator fluid for vehicles at your home?

Q11. Do you or other members of your household usually change motor oil, transmission fluid, or radiator fluid for vehicles at your home

	Number	Percent
Yes	52	8.6 %
No	547	90.7 %
Don't know	4	0.7 %
Total	603	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

WITHOUT "DON'T KNOW"

Q11. Do you or other members of your household usually change motor oil, transmission fluid, or radiator fluid for vehicles at your home? (without "don't know")

Q11. Do you or other members of your household usually change motor oil, transmission fluid, or radiator fluid for vehicles at your home

	Number	Percent
Yes	52	8.7 %
No	547	91.3 %
Total	599	100.0 %

Missing Cases = 4

Response Percent = 99.3 %

Q12. Where does your household typically dispose of materials such as old oil/fluids from your vehicle, batteries, pesticides, paints, or other household hazardous wastes?

Q12. Where does your household typically dispose of household hazardous wastes

	Number	Percent
With my regular trash	81	13.4 %
I keep it in a container at my home	44	7.3 %
At a scheduled community collection site or facility that accepts these materials	481	79.8 %
Other	23	3.8 %
Total	629	

Number of Cases = 603

Number of Responses = 629

Average Number Of Responses Per Case = 1.0

Number Of Cases With At Least One Response = 584

Response Percent = 96.8 %

Q12a. Why doesn't your household typically dispose of your household hazardous waste at a community collection site?

Q12a. Why doesn't your household typically dispose of your household hazardous waste at a community collection site

	Number	Percent
Don't know the location of these facilities	80	57.6 %
Don't have the time	20	14.4 %
No sites are located near my home	17	12.2 %
I don't think household hazardous waste facilities are necessary	5	3.6 %
Other	16	11.5 %
Total	138	

Number of Cases = 139

Number of Responses = 138

Average Number Of Responses Per Case = 1.0

Number Of Cases With At Least One Response = 116

Response Percent = 83.5 %

Q13. Does your household use a lawn service for mowing, fertilizer, and/or pesticide applications?

Q13. Does your household use a lawn service for mowing, fertilizer, and/or pesticide applications

	Number	Percent
Yes	201	33.3 %
No	385	63.8 %
Don't know	17	2.8 %
Total	603	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

WITHOUT "DON'T KNOW"

Q13. Does your household use a lawn service for mowing, fertilizer, and/or pesticide applications? (without "don't know")

Q13. Does your household use a lawn service for mowing, fertilizer, and/or pesticide applications

	Number	Percent
Yes	201	34.3 %
No	385	65.7 %
Total	586	100.0 %

Missing Cases = 17

Response Percent = 97.2 %

Q13a. If "Yes" to Question 13, does your household ask your lawn service to use environmentally friendly/organic products and practices?

Q13a. Does your household ask your lawn service to use environmentally friendly/organic products & practices	Number	Percent
Yes-The lawn service uses environmentally friendly products & practices on my lawn	63	31.3 %
Yes-But the lawn service doesn't offer these services	17	8.5 %
No-I haven't asked, but will in the future	77	38.3 %
No-I don't think using environmentally friendly products matter	2	1.0 %
<u>Don't know</u>	<u>42</u>	<u>20.9 %</u>
Total	201	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

WITHOUT "DON'T KNOW"

Q13a. If "Yes" to Question 13, does your household ask your lawn service to use environmentally friendly/organic products and practices? (without "don't know")

Q13a. Does your household ask your lawn service to use environmentally friendly/organic products & practices	Number	Percent
Yes-The lawn service uses environmentally friendly products & practices on my lawn	63	39.6 %
Yes-But the lawn service doesn't offer these services	17	10.7 %
No-I haven't asked, but will in the future	77	48.4 %
No-I don't think using environmentally friendly products matter	2	1.3 %
Total	159	100.0 %

Missing Cases = 42

Response Percent = 79.1 %

Q14. What does your household (or lawn service) typically do with your grass clippings and/or leaves?

Q14. What does your household (or lawn service) typically do with your grass clippings and/or leaves	Number	Percent
Leaves them on the lawn/mulch into lawn	407	67.5 %
Composts them in your yard	133	22.1 %
Sweeps them into the street or into a roadside ditch/stream/wetland	9	1.5 %
Curbside pickup by community	132	21.9 %
Other	27	4.5 %
Do not have a yard	19	3.2 %
Total	727	

Number of Cases = 603

Number of Responses = 727

Average Number Of Responses Per Case = 1.2

Number Of Cases With At Least One Response = 592

Response Percent = 98.2 %

Q15. Which of the following BEST describes how often your household fertilizes your lawn?

Q15. How often does your household fertilize your lawn	Number	Percent
5+ times per year	23	3.9 %
3-4 times per year	91	15.6 %
1-2 times per year	164	28.1 %
Seldom or never	283	48.5 %
Not provided	23	3.9 %
Total	584	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

WITHOUT "NOT PROVIDED"**Q15. Which of the following BEST describes how often your household fertilizes your lawn? (without "not provided")**

Q15. How often does your household fertilize your lawn	Number	Percent
5+ times per year	23	4.1 %
3-4 times per year	91	16.2 %
1-2 times per year	164	29.2 %
Seldom or never	283	50.4 %
Total	561	100.0 %

Missing Cases = 23

Response Percent = 96.1 %

Q16. Several ways that residents can help reduce the pollution of streams and lakes in their community are listed below. Using a 5-point scale, where 5 means "Very Willing" and 1 means "Not Willing at All," please indicate how willing you would be to do each of the following.

(N=603)

	Very willing	Willing	Neutral	Not willing	Not willing at all	N/A
Q16-1. Change your car washing practices (using a car wash, washing your car on the grass, or using less soap)	50.4%	22.7%	8.1%	1.8%	2.2%	14.8%
Q16-2. Promptly pick up & dispose of your pet's waste	41.8%	11.8%	3.3%	2.0%	1.2%	40.0%
Q16-3. Have your septic tank serviced every 3-5 years	13.8%	6.3%	4.6%	0.7%	0.7%	74.0%
Q16-4. Sweep excess fertilizer & grass clippings from paved surfaces back onto lawn	53.4%	21.6%	4.3%	1.3%	0.8%	18.6%
Q16-5. Only use lawn service companies that use environmentally friendly products	29.0%	15.4%	8.8%	2.0%	2.2%	42.6%
Q16-6. Dispose of household hazardous waste (motor oil, pesticides, paint) at a community collection event	65.2%	21.1%	4.6%	0.8%	0.2%	8.1%
Q16-7. Landscape your yard with plants native to Michigan	51.7%	25.5%	11.4%	1.5%	0.7%	9.1%
Q16-8. Implement green infrastructure (rain barrels, rain gardens, permeable pavers) on your property	37.3%	22.2%	20.1%	5.3%	1.8%	13.3%

WITHOUT "N/A"

Q16. Several ways that residents can help reduce the pollution of streams and lakes in their community are listed below. Using a 5-point scale, where 5 means "Very Willing" and 1 means "Not Willing at All," please indicate how willing you would be to do each of the following. (without "N/A")

(N=603)

	Very willing	Willing	Neutral	Not willing	Not willing at all
Q16-1. Change your car washing practices (using a car wash, washing your car on the grass, or using less soap)	59.1%	26.7%	9.5%	2.1%	2.5%
Q16-2. Promptly pick up & dispose of your pet's waste	69.6%	19.6%	5.5%	3.3%	1.9%
Q16-3. Have your septic tank serviced every 3-5 years	52.9%	24.2%	17.8%	2.5%	2.5%
Q16-4. Sweep excess fertilizer & grass clippings from paved surfaces back onto lawn	65.6%	26.5%	5.3%	1.6%	1.0%
Q16-5. Only use lawn service companies that use environmentally friendly products	50.6%	26.9%	15.3%	3.5%	3.8%
Q16-6. Dispose of household hazardous waste (motor oil, pesticides, paint) at a community collection event	70.9%	22.9%	5.1%	0.9%	0.2%
Q16-7. Landscape your yard with plants native to Michigan	56.9%	28.1%	12.6%	1.6%	0.7%
Q16-8. Implement green infrastructure (rain barrels, rain gardens, permeable pavers) on your property	43.0%	25.6%	23.1%	6.1%	2.1%

Q16. Please indicate whether or not you currently do the action listed.

(N=603)

	Yes	No	Not provided
Q16-1. Change your car washing practices (using a car wash, washing your car on the grass, or using less soap)	61.7%	9.3%	29.0%
Q16-2. Promptly pick up & dispose of your pet's waste	42.3%	7.5%	50.2%
Q16-3. Have your septic tank serviced every 3-5 years	11.9%	6.0%	82.1%
Q16-4. Sweep excess fertilizer & grass clippings from paved surfaces back onto lawn	54.2%	12.1%	33.7%
Q16-5. Only use lawn service companies that use environmentally friendly products	22.2%	17.2%	60.5%
Q16-6. Dispose of household hazardous waste (motor oil, pesticides, paint) at a community collection event	64.2%	12.6%	23.2%
Q16-7. Landscape your yard with plants native to Michigan	46.6%	24.5%	28.9%
Q16-8. Implement green infrastructure (rain barrels, rain gardens, permeable pavers) on your property	26.5%	41.3%	32.2%

WITHOUT "NOT PROVIDED"**Q16. Please indicate whether or not you currently do the action listed. (without "not provided")**

(N=603)

	Yes	No
Q16-1. Change your car washing practices (using a car wash, washing your car on the grass, or using less soap)	86.9%	13.1%
Q16-2. Promptly pick up & dispose of your pet's waste	85.0%	15.0%
Q16-3. Have your septic tank serviced every 3-5 years	66.7%	33.3%
Q16-4. Sweep excess fertilizer & grass clippings from paved surfaces back onto lawn	81.8%	18.3%
Q16-5. Only use lawn service companies that use environmentally friendly products	56.3%	43.7%
Q16-6. Dispose of household hazardous waste (motor oil, pesticides, paint) at a community collection event	83.6%	16.4%
Q16-7. Landscape your yard with plants native to Michigan	65.5%	34.5%
Q16-8. Implement green infrastructure (rain barrels, rain gardens, permeable pavers) on your property	39.1%	60.9%

Q17. Have you seen or heard any information in advertisements, brochures, outdoor advertisements, displays, or other promotional materials about water quality in lakes and rivers from the following groups/campaigns?

Q17. From what groups/campaigns have you seen or heard any information about water quality in lakes & rivers

	Number	Percent
Greater Lansing Regional Committee for Stormwater Management (GLRC)	96	15.9 %
Pollution Isn't Pretty	52	8.6 %
MGROW (Middle Grand River Organization of Watersheds)	32	5.3 %
Total	180	

Number of Cases = 603

Number of Responses = 180

Average Number Of Responses Per Case = 0.3

Number Of Cases With At Least One Response = 145

Response Percent = 24.0 %

Q18. If you indicated you have seen or heard information from any of the groups/campaigns in Question 17, what SOURCES did you use to obtain the information from?

Q18. What sources did you use to obtain information from

	Number	Percent
Newspapers, magazines, or other print	35	24.1 %
Municipal website	19	13.1 %
Television news	25	17.2 %
Radio	10	6.9 %
Conservation District materials	10	6.9 %
Environmental groups	21	14.5 %
Materials from colleges or universities	7	4.8 %
Facebook	25	17.2 %
X (Twitter)	2	1.4 %
Instagram	5	3.4 %
Snapchat	1	0.7 %
Nextdoor	2	1.4 %
YouTube	4	2.8 %
Exhibits at events	22	15.2 %
Displays in municipal lobbies	14	9.7 %
Brochures	19	13.1 %
Trail signs	41	28.3 %
Other	12	8.3 %
Total	274	

Number of Cases = 145

Number of Responses = 274

Average Number Of Responses Per Case = 1.9

Number Of Cases With At Least One Response = 138

Response Percent = 95.2 %

Q18-19. Other:

<u>Q18-19. Other</u>	<u>Number</u>	<u>Percent</u>
Mail	3	16.7 %
Billboard	2	11.1 %
Watershed groups	1	5.6 %
Community meetings	1	5.6 %
Political activist group	1	5.6 %
Mailed info card with QR	1	5.6 %
Have not seen any of the above	1	5.6 %
Postcard	1	5.6 %
Online	1	5.6 %
TCRPC	1	5.6 %
Water bill inserts	1	5.6 %
Web	1	5.6 %
Mailers or emails	1	5.6 %
Digital news	1	5.6 %
Friends and family members	1	5.6 %
Total	18	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

Q19. Which TWO of the information sources from the list in Question 18 do you MOST PREFER using to learn about environmental related content?

<u>Q19. Top choice</u>	<u>Number</u>	<u>Percent</u>
Newspapers, magazines, or other print	74	12.3 %
Municipal website	40	6.6 %
Television news	56	9.3 %
Radio	21	3.5 %
Conservation District materials	11	1.8 %
Environmental groups	18	3.0 %
Materials from colleges or universities	14	2.3 %
Facebook	68	11.3 %
X (Twitter)	1	0.2 %
Instagram	14	2.3 %
Nextdoor	2	0.3 %
YouTube	8	1.3 %
TikTok	4	0.7 %
Exhibits at events	5	0.8 %
Displays in municipal lobbies	2	0.3 %
Brochures	31	5.1 %
Trail signs	18	3.0 %
None chosen	216	35.8 %
Total	603	100.0 %

Missing Cases = 0

Q19. Which TWO of the information sources from the list in Question 18 do you MOST PREFER using to learn about environmental related content?

Q19. 2nd choice	Number	Percent
Newspapers, magazines, or other print	33	5.5 %
Municipal website	26	4.3 %
Television news	47	7.8 %
Radio	27	4.5 %
Conservation District materials	23	3.8 %
Environmental groups	21	3.5 %
Materials from colleges or universities	18	3.0 %
Facebook	32	5.3 %
X (Twitter)	2	0.3 %
Instagram	14	2.3 %
Snapchat	3	0.5 %
Nextdoor	3	0.5 %
YouTube	18	3.0 %
TikTok	4	0.7 %
Exhibits at events	12	2.0 %
Displays in municipal lobbies	5	0.8 %
Brochures	32	5.3 %
Trail signs	23	3.8 %
None chosen	260	43.1 %
Total	603	100.0 %

Missing Cases = 0

TOP 2

Q19. Which TWO of the information sources from the list in Question 18 do you MOST PREFER using to learn about environmental related content? (top 2)

Q19. Top choice	Number	Percent
Newspapers, magazines, or other print	107	17.7 %
Municipal website	66	10.9 %
Television news	103	17.1 %
Radio	48	8.0 %
Conservation District materials	34	5.6 %
Environmental groups	39	6.5 %
Materials from colleges or universities	32	5.3 %
Facebook	100	16.6 %
X (Twitter)	3	0.5 %
Instagram	28	4.6 %
Snapchat	3	0.5 %
Nextdoor	5	0.8 %
YouTube	26	4.3 %
TikTok	8	1.3 %
Exhibits at events	17	2.8 %
Displays in municipal lobbies	7	1.2 %
Brochures	63	10.4 %
Trail signs	41	6.8 %
None chosen	216	35.8 %
Total	946	

Number of Cases = 603

Number of Responses = 946

Average Number Of Responses Per Case = 1.6

Number Of Cases With At Least One Response = 603

Response Percent = 100.0 %

Q20. Which of the following social media platforms do you use?

<u>Q20. What social media platforms do you use</u>	<u>Number</u>	<u>Percent</u>
Facebook	401	66.5 %
X (Twitter)	66	10.9 %
Instagram	177	29.4 %
Snapchat	58	9.6 %
Nextdoor	87	14.4 %
YouTube	287	47.6 %
TikTok	79	13.1 %
Other	16	2.7 %
Total	1171	

Number of Cases = 603

Number of Responses = 1171

Average Number Of Responses Per Case = 1.9

Number Of Cases With At Least One Response = 518

Response Percent = 85.9 %

Q21. Using a 5-point scale, where 5 means "Strongly Agree" and 1 means "Strongly Disagree," please rate your level of agreement with the following statements.

(N=603)

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	N/A
Q21-1. Quality of local rivers where I live affects my quality of life	50.9%	34.0%	10.9%	1.0%	0.3%	2.8%
Q21-2. Quality of local rivers where I live affects property values	48.9%	36.8%	9.8%	1.0%	0.3%	3.2%
Q21-3. Quality of local rivers where I live affects drinking water quality	52.4%	28.4%	11.8%	3.0%	0.7%	3.8%
Q21-4. I think it is important to improve quality of water in lakes & rivers in my community	66.3%	27.4%	4.1%	0.3%	0.0%	1.8%
Q21-5. I have confidence in my community's ability to address flooding related problems	11.6%	30.0%	35.7%	15.1%	5.5%	2.2%
Q21-6. I would be willing to pay more for a property in a community that focuses on protecting water quality by conserving natural areas	21.6%	33.5%	27.4%	8.0%	3.8%	5.8%
Q21-7. I would be willing to pay more in utilities to improve quality of water in lakes & rivers in the community where I live	16.3%	31.5%	27.4%	12.9%	8.3%	3.6%
Q21-8. I would be willing to pay an increase in taxes to improve quality of water in lakes & rivers in the community where I live	16.3%	29.4%	26.9%	14.1%	10.3%	3.2%
Q21-9. I would support my local government working with other cities & counties to improve water quality	43.6%	43.4%	9.8%	1.2%	0.3%	1.7%
Q21-10. I would support my local government allocating resources to improve water quality	43.8%	41.8%	10.4%	1.5%	1.2%	1.3%
Q21-11. Public entities should be doing more to directly implement protection & restoration of urban waterways	45.6%	33.8%	16.3%	1.3%	0.5%	2.5%

WITHOUT "N/A"**Q21. Using a 5-point scale, where 5 means "Strongly Agree" and 1 means "Strongly Disagree," please rate your level of agreement with the following statements. (without "N/A")**

(N=603)

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
Q21-1. Quality of local rivers where I live affects my quality of life	52.4%	35.0%	11.3%	1.0%	0.3%
Q21-2. Quality of local rivers where I live affects property values	50.5%	38.0%	10.1%	1.0%	0.3%
Q21-3. Quality of local rivers where I live affects drinking water quality	54.5%	29.5%	12.2%	3.1%	0.7%
Q21-4. I think it is important to improve quality of water in lakes & rivers in my community	67.6%	27.9%	4.2%	0.3%	0.0%
Q21-5. I have confidence in my community's ability to address flooding related problems	11.9%	30.7%	36.4%	15.4%	5.6%
Q21-6. I would be willing to pay more for a property in a community that focuses on protecting water quality by conserving natural areas	22.9%	35.6%	29.0%	8.5%	4.0%
Q21-7. I would be willing to pay more in utilities to improve quality of water in lakes & rivers in the community where I live	16.9%	32.7%	28.4%	13.4%	8.6%
Q21-8. I would be willing to pay an increase in taxes to improve quality of water in lakes & rivers in the community where I live	16.8%	30.3%	27.7%	14.6%	10.6%
Q21-9. I would support my local government working with other cities & counties to improve water quality	44.4%	44.2%	9.9%	1.2%	0.3%
Q21-10. I would support my local government allocating resources to improve water quality	44.4%	42.4%	10.6%	1.5%	1.2%
Q21-11. Public entities should be doing more to directly implement protection & restoration of urban waterways	46.8%	34.7%	16.7%	1.4%	0.5%

Q22. Using a 5-point scale, where 5 means "At Least Once Per Week" and 1 means "Never," please indicate how often you do each of the following activities.

(N=603)

	At least once per week	At least once per month	A few times per year	Seldom	Never	N/A
Q22-1. Swim in lakes within the Greater Lansing Area	1.0%	1.5%	17.4%	28.7%	49.3%	2.2%
Q22-2. Walk or bike along lakes & rivers in the Greater Lansing Area	20.7%	20.4%	23.9%	21.6%	11.9%	1.5%
Q22-3. Participate in Paddle Sports within the Greater Lansing Area	2.5%	4.3%	12.1%	16.7%	62.0%	2.3%
Q22-4. Fish in lakes or rivers near your home	2.3%	4.5%	12.3%	15.9%	62.5%	2.5%

WITHOUT "N/A"

Q22. Using a 5-point scale, where 5 means "At Least Once Per Week" and 1 means "Never," please indicate how often you do each of the following activities. (without "N/A")

(N=603)

	At least once per week	At least once per month	A few times per year	Seldom	Never
Q22-1. Swim in lakes within the Greater Lansing Area	1.0%	1.5%	17.8%	29.3%	50.3%
Q22-2. Walk or bike along lakes & rivers in the Greater Lansing Area	21.0%	20.7%	24.2%	21.9%	12.1%
Q22-3. Participate in Paddle Sports within the Greater Lansing Area	2.5%	4.4%	12.4%	17.1%	63.5%
Q22-4. Fish in lakes or rivers near your home	2.4%	4.6%	12.6%	16.3%	64.1%

Q23. Including yourself, how many people in your household are...

	Mean	Sum
number	2.3	1352
Under age 5	0.1	62
Ages 5-9	0.1	85
Ages 10-14	0.1	73
Ages 15-19	0.1	61
Ages 20-24	0.1	50
Ages 25-34	0.2	117
Ages 35-44	0.3	172
Ages 45-54	0.3	173
Ages 55-64	0.3	202
Ages 65-74	0.4	224
Ages 75+	0.2	133

Q24. Are you of Hispanic, Latino, or Spanish descent?

<u>Q24. Are you of Hispanic, Latino, or Spanish descent</u>	<u>Number</u>	<u>Percent</u>
Yes	40	6.6 %
No	563	93.4 %
Total	603	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

Q25. Which of the following best describes your race/ethnicity?

Q25. Your race/ethnicity	Number	Percent
Asian or Asian Indian	22	3.6 %
Black or African American	51	8.5 %
American Indian & Alaska Native	4	0.7 %
White or Caucasian	471	78.1 %
Native Hawaiian or other Pacific Islander	1	0.2 %
Other	31	5.1 %
Total	580	

Number of Cases = 603

Number of Responses = 580

Average Number Of Responses Per Case = 1.0

Number Of Cases With At Least One Response = 576

Response Percent = 95.5 %

Q25-6. Self-describe your race/ethnicity:

Q25-6. Self-describe your race/ethnicity	Number	Percent
Hispanic	16	51.6 %
Mixed	7	22.6 %
European	1	3.2 %
Middle Eastern	1	3.2 %
Danish	1	3.2 %
Mextizo	1	3.2 %
5 races	1	3.2 %
Mexican	1	3.2 %
Aramic	1	3.2 %
Irish	1	3.2 %
Total	31	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

Q26. Would you say your total annual household income is...

Q26. Your total annual household income	Number	Percent
Under \$35K	90	14.9 %
\$35K-\$59,999	94	15.6 %
\$60K-\$99,999	164	27.2 %
\$100K-\$199,999	104	17.2 %
\$200K+	18	3.0 %
Prefer not to say	133	22.1 %
Total	603	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

WITHOUT "PREFER NOT TO SAY"**Q26. Would you say your total annual household income is... (without "prefer not to say")**

Q26. Your total annual household income	Number	Percent
Under \$35K	90	19.1 %
\$35K-\$59,999	94	20.0 %
\$60K-\$99,999	164	34.9 %
\$100K-\$199,999	104	22.1 %
\$200K+	18	3.8 %
Total	470	100.0 %

Missing Cases = 133

Response Percent = 77.9 %

Q27. How do you currently describe yourself?

Q27. Your gender	Number	Percent
Man	291	48.3 %
Woman	301	49.9 %
Non-binary	6	1.0 %
Other	1	0.2 %
Prefer not to answer	4	0.7 %
Total	603	100.0 %

Missing Cases = 0

Response Percent = 100.0 %

WITHOUT "PREFER NOT TO ANSWER"**Q27. How do you currently describe yourself? (without "prefer not to answer")**

Q27. Your gender	Number	Percent
Man	291	48.6 %
Woman	301	50.3 %
Non-binary	6	1.0 %
Other	1	0.2 %
Total	599	100.0 %

Missing Cases = 4

Response Percent = 99.3 %

Q27-4. Self-describe your gender:

Q27-4. Self-describe your gender	Number	Percent
Fluid	1	100.0 %
Total	1	100.0 %

Missing Cases = 0

Response Percent = 100.0 %



Crosstabs by Watershed

Greater Lansing Regional Water Education Survey: Crosstabs by Watershed

Q1. How concerned are you about pollution in lakes, rivers, and other waterways in the Greater Lansing area?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q1. How concerned are you about pollution in lakes, rivers, & other waterways

Very concerned	58.2%	56.0%	54.0%
Somewhat concerned	36.8%	36.0%	42.6%
Not concerned	3.5%	5.5%	3.0%
Not sure	1.5%	2.0%	0.5%
Not provided	0.0%	0.5%	0.0%

WITHOUT "NOT PROVIDED"

Q1. How concerned are you about pollution in lakes, rivers, and other waterways in the Greater Lansing area? (without "not provided")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q1. How concerned are you about pollution in lakes, rivers, & other waterways

Very concerned	58.2%	56.3%	54.0%
Somewhat concerned	36.8%	36.2%	42.6%
Not concerned	3.5%	5.5%	3.0%
Not sure	1.5%	2.0%	0.5%

Q2. Do you think the quality of water in lakes, rivers, and streams in the community where you live is...

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q2. What do you think the quality of water in lakes, rivers, & streams in the community where you live is

Getting much better	1.0%	4.5%	3.0%
Getting somewhat better	21.9%	17.5%	21.8%
Staying the same	27.4%	29.5%	41.1%
Getting somewhat worse	25.9%	22.5%	16.3%
Getting much worse	3.5%	4.5%	1.0%
Don't know	20.4%	21.5%	16.8%

WITHOUT "DON'T KNOW"**Q2. Do you think the quality of water in lakes, rivers, and streams in the community where you live is... (without "don't know")**

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q2. What do you think the quality of water in lakes, rivers, & streams in the community where you live is

Getting much better	1.3%	5.7%	3.6%
Getting somewhat better	27.5%	22.3%	26.2%
Staying the same	34.4%	37.6%	49.4%
Getting somewhat worse	32.5%	28.7%	19.6%
Getting much worse	4.4%	5.7%	1.2%

Q3. How much do you think the way you maintain your home (e.g., lawn care, trash disposal, pet care) affects the quality of water in lakes and streams in the community where you live?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q3. How much does the way you maintain your home affect quality of water in lakes & streams in the community where you live

Great effect	34.8%	33.5%	30.7%
Moderate effect	36.8%	35.0%	35.6%
Little effect	18.9%	20.0%	23.8%
No effect	4.5%	4.5%	4.0%
Don't know	5.0%	7.0%	5.9%

WITHOUT "DON'T KNOW"**Q3. How much do you think the way you maintain your home (e.g., lawn care, trash disposal, pet care) affects the quality of water in lakes and streams in the community where you live? (without "don't know")**

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q3. How much does the way you maintain your home affect quality of water in lakes & streams in the community where you live

Great effect	36.6%	36.0%	32.6%
Moderate effect	38.7%	37.6%	37.9%
Little effect	19.9%	21.5%	25.3%
No effect	4.7%	4.8%	4.2%

Q4. During the past 5 years, have you or someone in your household acted at your home or in your community to protect water resources?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q4. Have you or someone in your household acted at your home or in your community to protect water resources during past 5 years

Yes	40.3%	35.0%	36.1%
No	44.8%	44.0%	47.5%
Don't know	14.9%	21.0%	16.3%

WITHOUT "DON'T KNOW"**Q4. During the past 5 years, have you or someone in your household acted at your home or in your community to protect water resources? (without "don't know")**

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q4. Have you or someone in your household acted at your home or in your community to protect water resources during past 5 years

Yes	47.4%	44.3%	43.2%
No	52.6%	55.7%	56.8%

Q5. During the past year, which ONE of the following items do you think contributed MOST to pollution in lakes, rivers, and streams in the community where you live?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q5. Which one item contributed most to pollution in lakes, rivers, & streams in the community where you live during past year

Municipal wastewater treatment facilities	6.5%	6.0%	2.5%
Factories/industrial discharges	31.3%	33.5%	27.2%
Stormwater (rainwater) runoff into storm drains & roadside ditches	26.4%	25.0%	32.2%
Sewage overflow	13.4%	8.5%	5.4%
Animal waste	3.0%	1.5%	4.5%
Construction sites & new development	4.0%	7.5%	5.9%
Agricultural operations	13.9%	14.5%	19.3%
Not provided	1.5%	3.5%	3.0%

WITHOUT "NOT PROVIDED"

Q5. During the past year, which ONE of the following items do you think contributed MOST to pollution in lakes, rivers, and streams in the community where you live? (without "not provided")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q5. Which one item contributed most to pollution in lakes, rivers, & streams in the community where you live during past year

Municipal wastewater treatment facilities	6.6%	6.2%	2.6%
Factories/industrial discharges	31.8%	34.7%	28.1%
Stormwater (rainwater) runoff into storm drains & roadside ditches	26.8%	25.9%	33.2%
Sewage overflow	13.6%	8.8%	5.6%
Animal waste	3.0%	1.6%	4.6%
Construction sites & new development	4.0%	7.8%	6.1%
Agricultural operations	14.1%	15.0%	19.9%

Q6. Please indicate your level of agreement with the following statement: "The quality of local streams and rivers where I live affects the Great Lakes."

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q6. Quality of local streams & rivers where I live affects the Great Lakes

Strongly agree	58.7%	57.5%	57.4%
Agree	31.3%	33.5%	32.2%
Neither agree nor disagree	5.5%	3.0%	5.4%
Disagree	0.0%	0.0%	1.0%
Strongly disagree	0.0%	0.5%	0.5%
Don't know	4.5%	5.5%	3.5%

WITHOUT "DON'T KNOW"

Q6. Please indicate your level of agreement with the following statement: "The quality of local streams and rivers where I live affects the Great Lakes." (without "don't know")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q6. Quality of local streams & rivers where I live affects the Great Lakes

Strongly agree	61.5%	60.8%	59.5%
Agree	32.8%	35.4%	33.3%
Neither agree nor disagree	5.7%	3.2%	5.6%
Disagree	0.0%	0.0%	1.0%
Strongly disagree	0.0%	0.5%	0.5%

Q7. Where do you think stormwater (rainwater) goes after it enters a storm drain or roadside ditch in your community?

N=603

Watershed		
	Upper	Looking
Red Cedar	Grand	Glass

Q7. Where does stormwater (rainwater) go after it enters a storm drain or roadside ditch in your community

Directly to lakes & streams without treatment	51.2%	57.5%	61.4%
To lakes & streams after receiving some treatment	17.9%	16.5%	16.3%
To a wastewater treatment plant	20.4%	14.5%	12.9%
Don't know	21.9%	14.0%	17.8%

WITHOUT "DON'T KNOW"**Q7. Where do you think stormwater (rainwater) goes after it enters a storm drain or roadside ditch in your community? (without "don't know")**

N=495

Watershed		
	Upper	Looking
Red Cedar	Grand	Glass

Q7. Where does stormwater (rainwater) go after it enters a storm drain or roadside ditch in your community

Directly to lakes & streams without treatment	65.0%	66.3%	74.7%
To lakes & streams after receiving some treatment	22.9%	19.2%	19.9%
To a wastewater treatment plant	25.5%	16.9%	15.7%

Q8. Which ONE of the following statements BEST describes the location where you live?

N=603

	Watershed		
	Red Cedar	Upper Grand	Looking Glass

Q8. What statement best describes the location where you live

I live near a watershed	27.9%	26.5%	35.6%
I live in a watershed	28.9%	37.0%	38.1%
I don't live in a watershed	13.9%	12.0%	9.9%
Don't know/I am not familiar with the term "Watershed"	29.4%	24.5%	16.3%

WITHOUT "DON'T KNOW"**Q8. Which ONE of the following statements BEST describes the location where you live? (without "don't know")**

N=603

	Watershed		
	Red Cedar	Upper Grand	Looking Glass

Q8. What statement best describes the location where you live

I live near a watershed	39.4%	35.1%	42.6%
I live in a watershed	40.8%	49.0%	45.6%
I don't live in a watershed	19.7%	15.9%	11.8%

Q9. Where does your household typically wash your vehicle(s) during the summer?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q9. Where does your household typically wash your vehicle(s) during the summer

At home in the driveway	8.0%	11.0%	16.8%
At home on the grass	2.0%	2.5%	3.0%
At a carwash	86.6%	79.0%	80.7%
Other	0.0%	1.0%	1.5%
Don't wash a vehicle	6.0%	11.5%	5.4%

Q10. Do you have a septic system at your home?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q10. Do you have a septic system at your home

Yes	19.9%	13.5%	24.3%
No	74.6%	80.0%	72.8%
Don't know	5.5%	6.5%	3.0%

WITHOUT "DON'T KNOW"**Q10. Do you have a septic system at your home? (without "don't know")**

N=603

	Watershed		
	Red Cedar	Upper Grand	Looking Glass

Q10. Do you have a septic system at your home

Yes	21.1%	14.4%	25.0%
No	78.9%	85.6%	75.0%

Q10a. If "Yes" to Question 10, has your household had your septic system checked or serviced during the past 5 years?

N=116

	Watershed		
	Red Cedar	Upper Grand	Looking Glass

Q10a. Has your household had your septic system checked or serviced during past 5 years

Yes	72.5%	77.8%	83.7%
No	25.0%	11.1%	12.2%
Don't know	2.5%	11.1%	4.1%

WITHOUT "DON'T KNOW"**Q10a. If "Yes" to Question 10, has your household had your septic system checked or serviced during the past 5 years? (without "don't know")**

N=116

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q10a. Has your household had your septic system checked or serviced during past 5 years

Yes	74.4%	87.5%	87.2%
No	25.6%	12.5%	12.8%

Q11. Do you or other members of your household usually change motor oil, transmission fluid, or radiator fluid for vehicles at your home?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q11. Do you or other members of your household usually change motor oil, transmission fluid, or radiator fluid for vehicles at your home

Yes	7.0%	12.0%	6.9%
No	93.0%	88.0%	91.1%
Don't know	0.0%	0.0%	2.0%

WITHOUT "DON'T KNOW"**Q11. Do you or other members of your household usually change motor oil, transmission fluid, or radiator fluid for vehicles at your home? (without "don't know")**

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q11. Do you or other members of your household usually change motor oil, transmission fluid, or radiator fluid for vehicles at your home

Yes	7.0%	12.0%	7.1%
No	93.0%	88.0%	92.9%

Q12. Where does your household typically dispose of materials such as old oil/fluids from your vehicle, batteries, pesticides, paints, or other household hazardous wastes?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q12. Where does your household typically dispose of household hazardous wastes

With my regular trash	14.4%	10.5%	15.3%
I keep it in a container at my home	10.0%	3.5%	8.4%
At a scheduled community collection site or facility that accepts these materials	77.1%	83.0%	79.2%
Other	2.5%	6.5%	2.5%

Q12a. Why doesn't your household typically dispose of your household hazardous waste at a community collection site?

N=139

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q12a. Why doesn't your household typically dispose of your household hazardous waste at a community collection site

Don't know the location of these facilities	53.1%	57.5%	62.0%
Don't have the time	16.3%	15.0%	12.0%
No sites are located near my home	10.2%	17.5%	10.0%
I don't think household hazardous waste facilities are necessary	4.1%	5.0%	2.0%
Other	12.2%	12.5%	10.0%

Q13. Does your household use a lawn service for mowing, fertilizer, and/or pesticide applications?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q13. Does your household use a lawn service for mowing, fertilizer, and/or pesticide applications

Yes	30.8%	26.0%	43.1%
No	66.7%	70.0%	55.0%
Don't know	2.5%	4.0%	2.0%

WITHOUT "DON'T KNOW"**Q13. Does your household use a lawn service for mowing, fertilizer, and/or pesticide applications? (without "don't know")**

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q13. Does your household use a lawn service for mowing, fertilizer, and/or pesticide applications

Yes	31.6%	27.1%	43.9%
No	68.4%	72.9%	56.1%

Q13a. If "Yes" to Question 13, does your household ask your lawn service to use environmentally friendly/organic products and practices?

N=201

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q13a. Does your household ask your lawn service to use environmentally friendly/organic products & practices

Yes-The lawn service uses environmentally friendly products & practices on my lawn	21.0%	36.5%	35.6%
Yes-But the lawn service doesn't offer these services	6.5%	7.7%	10.3%
No-I haven't asked, but will in the future	53.2%	28.8%	33.3%
No-I don't think using environmentally friendly products matter	0.0%	1.9%	1.1%
Don't know	19.4%	25.0%	19.5%

WITHOUT "DON'T KNOW"**Q13a. If "Yes" to Question 13, does your household ask your lawn service to use environmentally friendly/organic products and practices? (without "don't know")**

N=201

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q13a. Does your household ask your lawn service to use environmentally friendly/organic products & practices

Yes-The lawn service uses environmentally friendly products & practices on my lawn	26.0%	48.7%	44.3%
Yes-But the lawn service doesn't offer these services	8.0%	10.3%	12.9%
No-I haven't asked, but will in the future	66.0%	38.5%	41.4%
No-I don't think using environmentally friendly products matter	0.0%	2.6%	1.4%

Q14. What does your household (or lawn service) typically do with your grass clippings and/or leaves?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q14. What does your household (or lawn service) typically do with your grass clippings and/or leaves

Leaves them on the lawn/mulch into lawn	67.7%	63.0%	71.8%
Composts them in your yard	23.4%	24.5%	18.3%
Sweeps them into the street or into a roadside ditch/stream/wetland	2.5%	1.5%	0.5%
Curbside pickup by community	18.4%	26.0%	21.3%
Other	5.0%	4.0%	4.5%
Do not have a yard	2.5%	4.0%	3.0%

Q15. Which of the following BEST describes how often your household fertilizes your lawn?

N=584

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q15. How often does your household fertilize your lawn

5+ times per year	3.6%	3.1%	5.1%
3-4 times per year	10.7%	14.1%	21.9%
1-2 times per year	28.1%	26.6%	29.6%
Seldom or never	51.5%	53.1%	40.8%
Not provided	6.1%	3.1%	2.6%

WITHOUT "DON'T KNOW"**Q15. Which of the following BEST describes how often your household fertilizes your lawn? (without "not provided")**

N=584

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q15. How often does your household fertilize your lawn

5+ times per year	3.8%	3.2%	5.2%
3-4 times per year	11.4%	14.5%	22.5%
1-2 times per year	29.9%	27.4%	30.4%
Seldom or never	54.9%	54.8%	41.9%

WITHOUT "N/A"

Q16. Several ways that residents can help reduce the pollution of streams and lakes in their community are listed below. Using a 5-point scale, where 5 means "Very Willing" and 1 means "Not Willing at All," please indicate how willing you would be to do each of the following. (without "N/A")

N=603

	Watershed		
	Upper Red Cedar	Grand	Looking Glass

Q16-1. Change your car washing practices (using a car wash, washing your car on the grass, or using less soap)

Very willing	57.1%	61.1%	59.4%
Willing	26.6%	24.1%	29.1%
Neutral	10.2%	10.5%	8.0%
Not willing	2.3%	1.9%	2.3%
Not willing at all	4.0%	2.5%	1.1%

WITHOUT "N/A"

Q16. Several ways that residents can help reduce the pollution of streams and lakes in their community are listed below. Using a 5-point scale, where 5 means "Very Willing" and 1 means "Not Willing at All," please indicate how willing you would be to do each of the following. (without "N/A")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q16-2. Promptly pick up & dispose of your pet's waste

Very willing	64.7%	75.9%	68.5%
Willing	20.2%	16.4%	22.0%
Neutral	6.7%	4.3%	5.5%
Not willing	4.2%	3.4%	2.4%
Not willing at all	4.2%	0.0%	1.6%

WITHOUT "N/A"

Q16. Several ways that residents can help reduce the pollution of streams and lakes in their community are listed below. Using a 5-point scale, where 5 means "Very Willing" and 1 means "Not Willing at All," please indicate how willing you would be to do each of the following. (without "N/A")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q16-3. Have your septic tank serviced every 3-5 years

Very willing	48.3%	52.6%	57.4%
Willing	24.1%	23.7%	24.6%
Neutral	20.7%	21.1%	13.1%
Not willing	3.4%	0.0%	3.3%
Not willing at all	3.4%	2.6%	1.6%

WITHOUT "N/A"

Q16. Several ways that residents can help reduce the pollution of streams and lakes in their community are listed below. Using a 5-point scale, where 5 means "Very Willing" and 1 means "Not Willing at All," please indicate how willing you would be to do each of the following. (without "N/A")

N=603

	Watershed		
	Red Cedar	Upper Grand	Looking Glass

Q16-4. Sweep excess fertilizer & grass clippings from paved surfaces back onto lawn

Very willing	59.9%	65.2%	71.3%
Willing	29.0%	25.3%	25.1%
Neutral	7.4%	7.0%	1.8%
Not willing	1.9%	1.3%	1.8%
Not willing at all	1.9%	1.3%	0.0%

WITHOUT "N/A"

Q16. Several ways that residents can help reduce the pollution of streams and lakes in their community are listed below. Using a 5-point scale, where 5 means "Very Willing" and 1 means "Not Willing at All," please indicate how willing you would be to do each of the following. (without "N/A")

N=603

	Watershed		
	Red Cedar	Upper Grand	Looking Glass

Q16-5. Only use lawn service companies that use environmentally friendly products

Very willing	41.7%	62.7%	49.2%
Willing	30.0%	19.6%	29.8%
Neutral	17.5%	13.7%	14.5%
Not willing	5.0%	2.0%	3.2%
Not willing at all	5.8%	2.0%	3.2%

WITHOUT "N/A"

Q16. Several ways that residents can help reduce the pollution of streams and lakes in their community are listed below. Using a 5-point scale, where 5 means "Very Willing" and 1 means "Not Willing at All," please indicate how willing you would be to do each of the following. (without "N/A")

N=603

	Watershed		
	Red Cedar	Upper Grand	Looking Glass

Q16-6. Dispose of household hazardous waste (motor oil, pesticides, paint) at a community collection event

Very willing	66.1%	76.1%	70.7%
Willing	24.2%	19.4%	25.0%
Neutral	7.5%	3.9%	3.7%
Not willing	1.6%	0.6%	0.5%
Not willing at all	0.5%	0.0%	0.0%

WITHOUT "N/A"

Q16. Several ways that residents can help reduce the pollution of streams and lakes in their community are listed below. Using a 5-point scale, where 5 means "Very Willing" and 1 means "Not Willing at All," please indicate how willing you would be to do each of the following. (without "N/A")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q16-7. Landscape your yard with plants native to Michigan

Very willing	56.8%	59.1%	55.1%
Willing	25.4%	28.4%	30.5%
Neutral	11.9%	11.4%	14.4%
Not willing	4.3%	0.6%	0.0%
Not willing at all	1.6%	0.6%	0.0%

WITHOUT "N/A"

Q16. Several ways that residents can help reduce the pollution of streams and lakes in their community are listed below. Using a 5-point scale, where 5 means "Very Willing" and 1 means "Not Willing at All," please indicate how willing you would be to do each of the following. (without "N/A")

N=603

	Watershed		
	Red Cedar	Upper Grand	Looking Glass

Q16-8. Implement green infrastructure (rain barrels, rain gardens, permeable pavers) on your property

Very willing	42.1%	42.0%	45.0%
Willing	27.0%	27.3%	22.5%
Neutral	24.7%	23.3%	21.3%
Not willing	3.4%	5.7%	9.5%
Not willing at all	2.8%	1.7%	1.8%

WITHOUT "NOT PROVIDED"**Q16. Please indicate whether or not you currently do the action listed. (without "not provided")**

N=603	Watershed		
		Upper	Looking
	Red Cedar	Grand	Glass

Q16-1. Change your car washing practices (using a car wash, washing your car on the grass, or using less soap)

Yes	84.5%	87.1%	89.4%
No	15.5%	12.9%	10.6%

WITHOUT "NOT PROVIDED"**Q16. Please indicate whether or not you currently do the action listed. (without "not provided")**

N=603	Watershed		
		Upper	Looking
	Red Cedar	Grand	Glass

Q16-2. Promptly pick up & dispose of your pet's waste

Yes	79.8%	89.0%	86.1%
No	20.2%	11.0%	13.9%

WITHOUT "NOT PROVIDED"**Q16. Please indicate whether or not you currently do the action listed. (without "not provided")**

N=603	Watershed		
		Upper	Looking
	Red Cedar	Grand	Glass

Q16-3. Have your septic tank serviced every 3-5 years

Yes	58.5%	55.6%	82.5%
No	41.5%	44.4%	17.5%

WITHOUT "NOT PROVIDED"**Q16. Please indicate whether or not you currently do the action listed. (without "not provided")**

N=603	Watershed		
		Upper	Looking
	Red Cedar	Grand	Glass

Q16-4. Sweep excess fertilizer & grass clippings from paved surfaces back onto lawn

Yes	82.6%	80.6%	82.0%
No	17.4%	19.4%	18.0%

WITHOUT "NOT PROVIDED"**Q16. Please indicate whether or not you currently do the action listed. (without "not provided")**

N=603	Watershed		
		Upper	Looking
	Red Cedar	Grand	Glass

Q16-5. Only use lawn service companies that use environmentally friendly products

Yes	46.9%	65.7%	57.5%
No	53.1%	34.3%	42.5%

WITHOUT "NOT PROVIDED"**Q16. Please indicate whether or not you currently do the action listed. (without "not provided")**

N=603	Watershed		
		Upper	Looking
	Red Cedar	Grand	Glass

Q16-6. Dispose of household hazardous waste (motor oil, pesticides, paint) at a community collection event

Yes	81.4%	85.2%	84.2%
No	18.6%	14.8%	15.8%

WITHOUT "NOT PROVIDED"**Q16. Please indicate whether or not you currently do the action listed. (without "not provided")**

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q16-7. Landscape your yard with plants native to Michigan

Yes	69.5%	63.9%	63.1%
No	30.5%	36.1%	36.9%

WITHOUT "NOT PROVIDED"**Q16. Please indicate whether or not you currently do the action listed. (without "not provided")**

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q16-8. Implement green infrastructure (rain barrels, rain gardens, permeable pavers) on your property

Yes	34.8%	41.7%	40.9%
No	65.2%	58.3%	59.1%

Q17. Have you seen or heard any information in advertisements, brochures, outdoor advertisements, displays, or other promotional materials about water quality in lakes and rivers from the following groups/campaigns?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q17. From what groups/campaigns have you seen or heard any information about water quality in lakes & rivers

Greater Lansing Regional Committee for Stormwater Management (GLRC)	19.4%	18.5%	9.9%
Pollution Isn't Pretty	6.5%	8.5%	10.9%
MGROW (Middle Grand River Organization of Watersheds)	4.0%	8.5%	3.5%

Q18. If you indicated you have seen or heard information from any of the groups/campaigns in Question 17, what SOURCES did you use to obtain the information from?

N=145

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q18. What sources did you use to obtain information from

Newspapers, magazines, or other print	26.9%	28.6%	13.5%
Municipal website	7.7%	17.9%	13.5%
Television news	28.8%	10.7%	10.8%
Radio	11.5%	3.6%	5.4%
Conservation District materials	5.8%	5.4%	10.8%
Environmental groups	7.7%	19.6%	16.2%
Materials from colleges or universities	0.0%	12.5%	0.0%
Facebook	21.2%	17.9%	10.8%
X (Twitter)	3.8%	0.0%	0.0%
Instagram	3.8%	0.0%	8.1%
Snapchat	1.9%	0.0%	0.0%

Q18. If you indicated you have seen or heard information from any of the groups/campaigns in Question 17, what SOURCES did you use to obtain the information from?

N=145

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q18. What sources did you use to obtain information from (Cont.)

Nextdoor	0.0%	0.0%	5.4%
YouTube	5.8%	1.8%	0.0%
Exhibits at events	9.6%	19.6%	16.2%
Displays in municipal lobbies	1.9%	16.1%	10.8%
Brochures	11.5%	12.5%	16.2%
Trail signs	11.5%	30.4%	48.6%
Other	1.9%	14.3%	8.1%

Q19. Which TWO of the information sources from the list in Question 18 do you MOST PREFER using to learn about environmental related content?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q19. Top choice

Newspapers, magazines, or other print	10.4%	11.5%	14.9%
Municipal website	4.5%	9.0%	6.4%
Television news	10.9%	5.5%	11.4%
Radio	6.0%	2.5%	2.0%
Conservation District materials	0.5%	2.5%	2.5%
Environmental groups	3.5%	2.0%	3.5%
Materials from colleges or universities	0.5%	4.5%	2.0%
Facebook	11.9%	13.0%	8.9%
X (Twitter)	0.0%	0.5%	0.0%
Instagram	2.5%	1.5%	3.0%
Nextdoor	0.0%	1.0%	0.0%
YouTube	2.0%	1.0%	1.0%

Q19. Which TWO of the information sources from the list in Question 18 do you MOST PREFER using to learn about environmental related content?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q19. Top choice (Cont.)

TikTok	1.5%	0.5%	0.0%
Exhibits at events	1.0%	1.5%	0.0%
Displays in municipal lobbies	0.0%	1.0%	0.0%
Brochures	4.0%	6.0%	5.4%
Trail signs	1.5%	4.5%	3.0%
None chosen	39.3%	32.0%	36.1%

Q19. Which TWO of the information sources from the list in Question 18 do you MOST PREFER using to learn about environmental related content?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q19. 2nd choice

Newspapers, magazines, or other print	5.5%	7.5%	3.5%
Municipal website	5.0%	5.5%	2.5%
Television news	8.0%	8.0%	7.4%
Radio	4.5%	3.5%	5.4%
Conservation District materials	3.0%	2.0%	6.4%
Environmental groups	2.5%	4.5%	3.5%
Materials from colleges or universities	2.0%	6.5%	0.5%
Facebook	6.5%	3.0%	6.4%
X (Twitter)	1.0%	0.0%	0.0%
Instagram	1.0%	2.5%	3.5%
Snapchat	0.5%	0.5%	0.5%
Nextdoor	0.0%	0.5%	1.0%

Q19. Which TWO of the information sources from the list in Question 18 do you MOST PREFER using to learn about environmental related content?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q19. 2nd choice (Cont.)

YouTube	5.0%	3.0%	1.0%
TikTok	0.5%	0.5%	1.0%
Exhibits at events	2.0%	2.0%	2.0%
Displays in municipal lobbies	0.5%	1.5%	0.5%
Brochures	4.0%	5.0%	6.9%
Trail signs	3.0%	3.5%	5.0%
None chosen	45.8%	40.5%	43.1%

TOP 2**Q19. Which TWO of the information sources from the list in Question 18 do you MOST PREFER using to learn about environmental related content? (top 2)**

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q19. Top choice

Newspapers, magazines, or other print	15.9%	19.0%	18.3%
Municipal website	9.5%	14.5%	8.9%
Television news	18.9%	13.5%	18.8%
Radio	10.4%	6.0%	7.4%
Conservation District materials	3.5%	4.5%	8.9%
Environmental groups	6.0%	6.5%	6.9%
Materials from colleges or universities	2.5%	11.0%	2.5%
Facebook	18.4%	16.0%	15.3%
X (Twitter)	1.0%	0.5%	0.0%
Instagram	3.5%	4.0%	6.4%
Snapchat	0.5%	0.5%	0.5%
Nextdoor	0.0%	1.5%	1.0%

Q19. Which TWO of the information sources from the list in Question 18 do you MOST PREFER using to learn about environmental related content? (top 2)

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q19. Top choice (Cont.)

YouTube	7.0%	4.0%	2.0%
TikTok	2.0%	1.0%	1.0%
Exhibits at events	3.0%	3.5%	2.0%
Displays in municipal lobbies	0.5%	2.5%	0.5%
Brochures	8.0%	11.0%	12.4%
Trail signs	4.5%	8.0%	7.9%
None chosen	39.3%	32.0%	36.1%

Q20. Which of the following social media platforms do you use?

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q20. What social media platforms do you use

Facebook	69.2%	69.0%	61.4%
X (Twitter)	9.5%	10.5%	12.9%
Instagram	29.9%	30.5%	27.7%
Snapchat	14.9%	8.0%	5.9%
Nextdoor	10.9%	22.0%	10.4%
YouTube	48.3%	46.0%	48.5%
TikTok	11.9%	15.5%	11.9%
Other	3.0%	3.0%	2.0%

WITHOUT "N/A"

Q21. Using a 5-point scale, where 5 means "Strongly Agree" and 1 means "Strongly Disagree," please rate your level of agreement with the following statements. (without "N/A")

N=603

	Watershed		
	Red Cedar	Upper Grand	Looking Glass

Q21-1. Quality of local rivers where I live affects my quality of life

Strongly agree	59.9%	50.0%	47.2%
Agree	27.9%	37.2%	39.9%
Neutral	11.2%	10.7%	11.9%
Disagree	0.5%	1.5%	1.0%
Strongly disagree	0.5%	0.5%	0.0%

WITHOUT "N/A"

Q21. Using a 5-point scale, where 5 means "Strongly Agree" and 1 means "Strongly Disagree," please rate your level of agreement with the following statements. (without "N/A")

N=603

	Watershed		
	Red Cedar	Upper Grand	Looking Glass

Q21-2. Quality of local rivers where I live affects property values

Strongly agree	51.3%	48.5%	51.8%
Agree	38.1%	41.2%	34.7%
Neutral	9.6%	8.8%	11.9%
Disagree	0.5%	1.0%	1.6%
Strongly disagree	0.5%	0.5%	0.0%

WITHOUT "N/A"

Q21. Using a 5-point scale, where 5 means "Strongly Agree" and 1 means "Strongly Disagree," please rate your level of agreement with the following statements. (without "N/A")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q21-3. Quality of local rivers where I live affects drinking water quality

Strongly agree	59.1%	56.2%	48.2%
Agree	25.9%	29.4%	33.2%
Neutral	11.4%	10.3%	15.0%
Disagree	2.6%	3.1%	3.6%
Strongly disagree	1.0%	1.0%	0.0%

WITHOUT "N/A"

Q21. Using a 5-point scale, where 5 means "Strongly Agree" and 1 means "Strongly Disagree," please rate your level of agreement with the following statements. (without "N/A")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q21-4. I think it is important to improve quality of water in lakes & rivers in my community

Strongly agree	68.3%	66.3%	68.0%
Agree	25.6%	29.6%	28.4%
Neutral	6.0%	3.6%	3.0%
Disagree	0.0%	0.5%	0.5%

WITHOUT "N/A"

Q21. Using a 5-point scale, where 5 means "Strongly Agree" and 1 means "Strongly Disagree," please rate your level of agreement with the following statements. (without "N/A")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q21-5. I have confidence in my community's ability to address flooding related problems

Strongly agree	11.2%	14.6%	9.7%
Agree	26.5%	34.8%	30.6%
Neutral	39.8%	28.3%	41.3%
Disagree	16.3%	17.2%	12.8%
Strongly disagree	6.1%	5.1%	5.6%

WITHOUT "N/A"

Q21. Using a 5-point scale, where 5 means "Strongly Agree" and 1 means "Strongly Disagree," please rate your level of agreement with the following statements. (without "N/A")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q21-6. I would be willing to pay more for a property in a community that focuses on protecting water quality by conserving natural areas

Strongly agree	26.7%	21.2%	20.7%
Agree	29.8%	33.9%	43.1%
Neutral	31.4%	29.6%	26.1%
Disagree	8.4%	8.5%	8.5%
Strongly disagree	3.7%	6.9%	1.6%

WITHOUT "N/A"

Q21. Using a 5-point scale, where 5 means "Strongly Agree" and 1 means "Strongly Disagree," please rate your level of agreement with the following statements. (without "N/A")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q21-7. I would be willing to pay more in utilities to improve quality of water in lakes & rivers in the community where I live

Strongly agree	17.2%	16.8%	16.7%
Agree	33.3%	27.7%	36.9%
Neutral	27.6%	28.3%	29.3%
Disagree	12.0%	17.8%	10.6%
Strongly disagree	9.9%	9.4%	6.6%

WITHOUT "N/A"

Q21. Using a 5-point scale, where 5 means "Strongly Agree" and 1 means "Strongly Disagree," please rate your level of agreement with the following statements. (without "N/A")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q21-8. I would be willing to pay an increase in taxes to improve quality of water in lakes & rivers in the community where I live

Strongly agree	18.1%	16.1%	16.2%
Agree	26.9%	25.4%	38.4%
Neutral	30.6%	28.0%	24.7%
Disagree	15.5%	16.1%	12.1%
Strongly disagree	8.8%	14.5%	8.6%

WITHOUT "N/A"

Q21. Using a 5-point scale, where 5 means "Strongly Agree" and 1 means "Strongly Disagree," please rate your level of agreement with the following statements. (without "N/A")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q21-9. I would support my local government working with other cities & counties to improve water quality

Strongly agree	44.4%	46.7%	42.0%
Agree	43.4%	39.6%	49.5%
Neutral	10.2%	12.2%	7.5%
Disagree	1.0%	1.5%	1.0%
Strongly disagree	1.0%	0.0%	0.0%

WITHOUT "N/A"

Q21. Using a 5-point scale, where 5 means "Strongly Agree" and 1 means "Strongly Disagree," please rate your level of agreement with the following statements. (without "N/A")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q21-10. I would support my local government allocating resources to improve water quality

Strongly agree	44.7%	46.0%	42.5%
Agree	42.6%	39.9%	44.5%
Neutral	11.2%	11.1%	9.5%
Disagree	1.5%	2.0%	1.0%
Strongly disagree	0.0%	1.0%	2.5%

WITHOUT "N/A"

Q21. Using a 5-point scale, where 5 means "Strongly Agree" and 1 means "Strongly Disagree," please rate your level of agreement with the following statements. (without "N/A")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q21-11. Public entities should be doing more to directly implement protection & restoration of urban waterways

Strongly agree	49.5%	46.1%	44.7%
Agree	31.8%	37.8%	34.5%
Neutral	16.2%	15.5%	18.3%
Disagree	2.5%	0.0%	1.5%
Strongly disagree	0.0%	0.5%	1.0%

WITHOUT "N/A"

Q22. Using a 5-point scale, where 5 means "At Least Once Per Week" and 1 means "Never," please indicate how often you do each of the following activities. (without "N/A")

N=603

	Watershed		
	Red Cedar	Upper Grand	Looking Glass

Q22-1. Swim in lakes within the Greater Lansing Area

At least once per week	0.0%	1.5%	1.5%
At least once per month	0.5%	2.6%	1.5%
A few times per year	14.1%	18.0%	21.3%
Seldom	34.7%	25.3%	27.9%
Never	50.8%	52.6%	47.7%

WITHOUT "N/A"

Q22. Using a 5-point scale, where 5 means "At Least Once Per Week" and 1 means "Never," please indicate how often you do each of the following activities. (without "N/A")

N=603

	Watershed		
	Red Cedar	Upper Grand	Looking Glass

Q22-2. Walk or bike along lakes & rivers in the Greater Lansing Area

At least once per week	20.8%	21.7%	20.6%
At least once per month	18.8%	21.7%	21.6%
A few times per year	24.9%	24.7%	23.1%
Seldom	23.4%	20.7%	21.6%
Never	12.2%	11.1%	13.1%

WITHOUT "N/A"

Q22. Using a 5-point scale, where 5 means "At Least Once Per Week" and 1 means "Never," please indicate how often you do each of the following activities. (without "N/A")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q22-3. Participate in Paddle Sports within the Greater Lansing Area

At least once per week	3.0%	2.1%	2.5%
At least once per month	3.6%	5.7%	4.0%
A few times per year	10.2%	10.4%	16.6%
Seldom	19.8%	16.1%	15.6%
Never	63.5%	65.8%	61.3%

WITHOUT "N/A"

Q22. Using a 5-point scale, where 5 means "At Least Once Per Week" and 1 means "Never," please indicate how often you do each of the following activities. (without "N/A")

N=603

Watershed		
Red Cedar	Upper Grand	Looking Glass

Q22-4. Fish in lakes or rivers near your home

At least once per week	1.5%	3.1%	2.5%
At least once per month	5.0%	4.7%	4.0%
A few times per year	15.1%	9.4%	13.1%
Seldom	17.1%	14.7%	17.2%
Never	61.3%	68.1%	63.1%



5

Survey Instrument



GLRC Members:

City of DeWitt
City of East Lansing
City of Grand Ledge
City of Lansing
City of Mason
Clinton County
Delhi Charter Township
Delta Township
DeWitt Charter Township
Eaton County
Ingham County
Lansing Township
Lansing School District
Meridian Township
Michigan State University
Waverly Community Schools

Administrative Support:

Tri-County Regional
Planning Commission
3135 Pine Tree Road
Suite 2C
Lansing, MI 48911
(517) 393-0342

January 2024

Dear Greater Lansing Area Resident:

We are writing to request your input on the enclosed survey. The Greater Lansing Regional Committee for Stormwater Management (GLRC) is working to implement a management plan that will help to protect water resources in our communities. Your feedback will be used by the GLRC to revisit specifics of our outreach and education campaign focusing on how individuals can play a role in protecting the quality of water in the Greater Lansing area.

Since only a limited number of households in the region were selected at random to receive this survey, your participation is very important to ensure the needs of people in your area are well represented.

Your responses will remain completely confidential. You will notice that your address has been printed on the last page of the enclosed survey. This information will only be used to tabulate responses by geographical area within the region. Your individual responses to the survey will not be released.

We greatly appreciate your time. We realize that this survey takes about 10 minutes to complete, but every question is important.

Please return your completed survey sometime during the next two weeks by using the enclosed postage-paid envelope addressed to ETC Institute, 725 W. Frontier Circle, Olathe, KS 66061. You can also take the survey online at GLRCWaterSurvey.org. If you have any questions, please contact ETC Institute's project manager, Ryan Murray, at 913-254-4598 or by email at ryan.murray@etcinstitute.com.

As a way to say ***thank you*** for fully completing your survey, you will have an opportunity at the end of the survey to opt-in for a ***chance to win one (1) prepaid \$500 Visa Gift Card.*** (Limited to one entry per household. The gift card will be sent via email.)

Thanks again for taking the time to help us protect our local water resources.

Sincerely,

Nicole McPherson, P.E.
GLRC Chair

2024 Greater Lansing Regional Water Quality Education Survey

Please take a few minutes to complete this survey. Your input will be used to implement a management plan that will help protect water resources in our communities. Your participation is very important to ensure the needs of people in your area are well represented. If you prefer to complete this survey online, please visit: GLRCWaterSurvey.org. **As a way to say 'thank you' for fully completing this survey, you will have an opportunity at the end to opt-in for a chance to win one (1) prepaid \$500 Visa gift card.**

1. How concerned are you about pollution in lakes, rivers, and other waterways in the Greater Lansing area?

(1) Very concerned (2) Somewhat concerned (3) Not concerned (4) Not sure

2. Do you think the quality of water in lakes, rivers, and streams in the community where you live is...

(1) Getting much better (3) Staying the same (5) Getting much worse
 (2) Getting somewhat better (4) Getting somewhat worse (9) Don't know

3. How much do you think the way you maintain your home (e.g., lawn care, trash disposal, pet care) affects the quality of water in lakes and streams in the community where you live?

(1) Great effect (3) Little effect (9) Don't know
 (2) Moderate effect (4) No effect

4. During the past 5 years, have you or someone in your household acted at your home or in your community to protect water resources?

(1) Yes (2) No (9) Don't know

4a. If "Yes," what action(s) have you or others in your household taken?

5. During the past year, which ONE of the following items do you think contributed MOST to pollution in lakes, rivers, and streams in the community where you live?

(1) Municipal wastewater treatment facilities (4) Sewage overflow
 (2) Factories/industrial discharges (5) Animal waste
 (3) Stormwater (rainwater) runoff into storm drains and roadside ditches (6) Construction sites and new development
 (7) Agricultural operations

6. Please indicate your level of agreement with the following statement: "The quality of local streams and rivers where I live affects the Great Lakes."

(1) Strongly agree (3) Neither agree nor disagree (5) Strongly disagree
 (2) Agree (4) Disagree (9) Don't know

7. Where do you think stormwater (rainwater) goes after it enters a storm drain or roadside ditch in your community? [Check all that apply.]

(1) Directly to lakes and streams without treatment (3) To a wastewater treatment plant
 (2) To lakes and streams after receiving some treatment (9) Don't know

8. Which ONE of the following statements BEST describes the location where you live?

(1) I live near a watershed (3) I don't live in a watershed
 (2) I live in a watershed (9) Don't know/I am not familiar with the term "Watershed"

9. **Where does your household typically wash your vehicle(s) during the summer?** *[Check all that apply.]*
- ____(1) At home in the driveway ____ (4) Other: _____
 ____ (2) At home on the grass ____ (5) Don't wash a vehicle
 ____ (3) At a carwash
10. **Do you have a septic system at your home?**
- ____(1) Yes *[Answer Q10a.]* ____ (2) No *[Skip to Q11.]* ____ (9) Don't know *[Skip to Q11.]*
- 10a. **If "Yes," has your household had your septic system checked or serviced during the past 5 years?**
- ____(1) Yes ____ (2) No ____ (9) Don't know
11. **Do you or other members of your household usually change motor oil, transmission fluid, or radiator fluid for vehicles at your home?**
- ____(1) Yes ____ (2) No ____ (9) Don't know
12. **Where does your household typically dispose of materials such as old oil/fluids from your vehicle, batteries, pesticides, paints, or other household hazardous wastes?** *[Check all that apply.]*
- ____ (1) On the ground ____ (5) At a scheduled community collection site or facility that
 ____ (2) With my regular trash accepts these materials *[Skip to Q13.]*
 ____ (3) I keep it in a container at my home ____ (6) Other: _____
 ____ (4) Down a storm drain or roadside ditch
- 12a. **Why doesn't your household typically dispose of your household hazardous waste at a community collection site?** *[Check all that apply.]*
- ____ (1) Don't know the location of these facilities ____ (4) I don't think household hazardous waste
 ____ (2) Don't have the time facilities are necessary
 ____ (3) No sites are located near my home ____ (5) Other: _____
13. **Does your household use a lawn service for mowing, fertilizer, and/or pesticide applications?**
- ____ (1) Yes *[Answer Q13a.]* ____ (2) No *[Skip to Q14.]* ____ (9) Don't know *[Skip to Q14.]*
- 13a. **If "Yes," does your household ask your lawn service to use environmentally friendly/organic products and practices?**
- ____ (1) Yes - The lawn service uses environmentally ____ (3) No - I haven't asked, but will in the future
 friendly products and practices on my lawn ____ (4) No - I don't think using environmentally
 ____ (2) Yes - But the lawn service doesn't offer these friendly products matter
 services ____ (9) Don't know
14. **What does your household (or lawn service) typically do with your grass clippings and/or leaves?** *[Check all that apply.]*
- ____ (1) Leaves them on the lawn/mulch into lawn ____ (4) Curbside pickup by community
 ____ (2) Composts them in your yard ____ (5) Other: _____
 ____ (3) Sweeps them into the street or into a roadside ____ (6) Do not have a yard *[Skip to Q16.]*
 ditch/stream/wetland
15. **Which of the following BEST describes how often your household fertilizes your lawn?**
- ____ (1) 5 or more times per year ____ (3) 1-2 times per year
 ____ (2) 3-4 times per year ____ (4) Seldom or never

16. Several ways that residents can help reduce the pollution of streams and lakes in their community are listed below. Using a 5-point scale, where 5 means "Very Willing" and 1 means "Not Willing at All," please indicate how willing you would be to do each of the following, and whether or not you currently do that action.

How willing are you to...		Very Willing	Willing	Neutral	Not Willing	Not Willing at All	N/A	Do you currently do this?	
1.	Change your car washing practices (using a car wash, washing your car on the grass, or using less soap)	5	4	3	2	1	9	Yes	No
2.	Promptly pick up and dispose of your pet's waste	5	4	3	2	1	9	Yes	No
3.	Have your septic tank serviced every 3-5 years	5	4	3	2	1	9	Yes	No
4.	Sweep excess fertilizer and grass clippings from paved surfaces back onto the lawn	5	4	3	2	1	9	Yes	No
5.	Only use lawn service companies that use environmentally friendly products	5	4	3	2	1	9	Yes	No
6.	Dispose of household hazardous waste (Motor oil, pesticides, paint) at a community collection event	5	4	3	2	1	9	Yes	No
7.	Landscape your yard with plants native to Michigan	5	4	3	2	1	9	Yes	No
8.	Implement green infrastructure (rain barrels, rain gardens, permeable pavers) on your property	5	4	3	2	1	9	Yes	No

17. Have you seen or heard any information in advertisements, brochures, outdoor advertisements, displays, or other promotional materials about water quality in lakes and rivers from the following groups/campaigns?



____(1) Greater Lansing Regional Committee for Stormwater Management (GLRC)



____(2) Pollution Isn't Pretty



____(3) MGROW (Middle Grand River Organization of Watersheds)

18. If you indicated you have seen or heard information from any of the groups/campaigns in Question 17, what SOURCES did you use to obtain the information from? [Check all that apply.]

- | | |
|--|--|
| ____(01) Newspapers, magazines, or other print | ____(11) Snapchat |
| ____(02) Municipal website | ____(12) Nextdoor |
| ____(03) Television news | ____(13) YouTube |
| ____(04) Radio | ____(14) TikTok |
| ____(05) Conservation District materials | ____(15) Exhibits at events |
| ____(06) Environmental groups | ____(16) Displays in municipal lobbies |
| ____(07) Materials from colleges or universities | ____(17) Brochures |
| ____(08) Facebook | ____(18) Trail signs |
| ____(09) X (Twitter) | ____(19) Other: _____ |
| ____(10) Instagram | |

19. Which TWO of the information sources from the list in Question 18 do you MOST PREFER using to learn about environmental related content? [Write in your answers below using the numbers from the list in Question 18.]

1st: ____ 2nd: ____

20. Which of the following social media platforms do you use? [Check all that apply.]

(1) Facebook (3) Instagram (5) Nextdoor (7) TikTok
 (2) X (Twitter) (4) Snapchat (6) YouTube (8) Other: _____

21. Using a 5-point scale, where 5 means "Strongly Agree" and 1 means "Strongly Disagree," please rate your level of agreement with the following statements.

		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	N/A
01.	The quality of local rivers where I live affects my quality of life	5	4	3	2	1	9
02.	The quality of local rivers where I live affects property values	5	4	3	2	1	9
03.	The quality of local rivers where I live affects drinking water quality	5	4	3	2	1	9
04.	I think it is important to improve the quality of water in lakes and rivers in my community	5	4	3	2	1	9
05.	I have confidence in my community's ability to address flooding related problems	5	4	3	2	1	9
06.	I would be willing to pay more for a property in a community that focuses on protecting water quality by conserving natural areas	5	4	3	2	1	9
07.	I would be willing to pay more in utilities to improve the quality of water in lakes and rivers in the community where I live	5	4	3	2	1	9
08.	I would be willing to pay an increase in taxes to improve the quality of water in lakes and rivers in the community where I live	5	4	3	2	1	9
09.	I would support my local government working with other cities and counties to improve water quality	5	4	3	2	1	9
10.	I would support my local government allocating resources to improve water quality	5	4	3	2	1	9
11.	Public entities should be doing more to directly implement protection and restoration of urban waterways	5	4	3	2	1	9

22. Using a 5-point scale, where 5 means "At Least Once Per Week" and 1 means "Never," please indicate how often you do each of the following activities.

How often do you...	At Least Once Per Week	At Least Once Per Month	A Few Times Per Year	Seldom	Never	N/A
1. Swim in lakes within the Greater Lansing Area	5	4	3	2	1	9
2. Walk or bike along lakes and rivers in the Greater Lansing Area	5	4	3	2	1	9
3. Participate in Paddle Sports within the Greater Lansing Area	5	4	3	2	1	9
4. Fish in lakes or rivers near your home	5	4	3	2	1	9

**The demographic information below is being requested to validate the survey.
All responses will remain confidential.**

23. Including yourself, how many people in your household are...

Under Age 5: _____ Ages 15-19: _____ Ages 35-44: _____ Ages 65-74: _____
 Ages 5-9: _____ Ages 20-24: _____ Ages 45-54: _____ Ages 75+: _____
 Ages 10-14: _____ Ages 25-34: _____ Ages 55-64: _____

24. Are you of Hispanic, Latino, or Spanish descent? (1) Yes (2) No

25. Which of the following best describes your race/ethnicity? [Check all that apply.]

(01) Asian or Asian Indian (04) White or Caucasian
 (02) Black or African American (05) Native Hawaiian or other Pacific Islander
 (03) American Indian and Alaska Native (99) Other: _____

26. Would you say your total annual household income is...

- (1) Under \$35,000 (3) \$60,000 - \$99,999 (5) \$200,000 or more
 (2) \$35,000 - \$59,999 (4) \$100,000 - \$199,999 (6) Prefer not to say

27. How do you currently describe yourself?

- (1) Man (4) Other (please specify): _____
 (2) Woman (5) Prefer not to answer
 (3) Non-binary

28. Would you like the Greater Lansing Regional Committee to keep you informed about environmental and other planning issues in the region?

- (1) Yes [Answer Q28a.] (2) No [Skip to Q29.]

28a. Please provide the following contact information.

Email Address: _____

Phone Number: _____

29. Would you like to be entered into a drawing for a chance to win one (1) prepaid \$500 Visa Gift Card? (Limited to one entry per household. The gift card will be sent via email.)

- (1) Yes [Answer Q29a.] (2) No [END SURVEY.]

29a. Please provide the following contact information.

Email Address: _____

Phone Number: _____

This concludes the survey. Thank you for your time!

Please return your completed survey in the pre-paid envelope provided addressed to:
ETC Institute, 725 W. Frontier Circle, Olathe, KS 66061

For more information about water quality issues in the Lansing area, please visit mywatersheds.org or use the QR Code below:



Your responses will remain completely confidential. The information shown to the right will ONLY be used to help identify which areas of the region have concerns about water quality issues. If your address is not correct, please provide the correct information. Thank you.