

## **Environmental Attitudes and Behaviors of a Sample of South Carolina Residents from Five Regions of the State**

This series of questions does not include the following brief sections of the full survey instrument: introduction, approval of participation, and demographic data collection. It also represents the body of questions being asked to Myrtle Beach area residents, as indicated by zip codes.

1. I'd like to know how concerned you are with pollution and environmental quality in your local streams and waterways: Would you say you are very, somewhat, not very or not at all concerned?

Very concerned  
Somewhat concerned  
Not very concerned  
Not at all concerned  
DO NOT KNOW  
REFUSAL

2. How important do you feel clean water is to South Carolina's state economy and tourism?

Very important  
Somewhat important  
Not important  
DO NOT KNOW  
REFUSAL

3. In general, how much does what people do on the land affect the quality of their local streams and waterways?

A great deal  
Somewhat  
Not too much  
Not at all  
DO NOT KNOW  
REFUSAL

4. To what extent do you agree or disagree with the following statements? Your choices are as follows:

Strongly agree  
Agree  
Disagree

Strongly disagree  
DO NOT KNOW  
REFUSAL

5. Inspection and pump out of septic tanks protects water quality.

6. Pet waste is a source of bacteria pollution in waterways.

Strongly agree  
Agree  
Disagree  
Strongly disagree  
DO NOT KNOW  
REFUSAL

7. Stormwater is runoff from yards and roads during storm events or from irrigation; it drains to ditches and storm drains along roadways. Do you believe that this stormwater is treated before reaching our lakes, streams, creeks, and beaches?

Yes, it is treated.  
No, it is not treated.  
DO NOT KNOW  
REFUSAL

8. Communities are putting round stickers, metal decals or stencils to mark curb inlets along streets. Do you recall seeing a marked curb inlet?

Yes  
No  
DO NOT KNOW  
REFUSAL

9. If yes, can you describe what was written or pictured on the decal or stencil?

LOGO  
FISH  
SHRIMP  
RIVER  
DRAINS TO WATERWAYS  
NO DUMPING  
DO NOT REMEMBER  
RECORD OTHER RESPONSE

10. For this question, I am going to mention some specific, possible sources of water pollution. Please tell me if each has a great impact, some impact, very little impact or no impact on streams, lakes or other bodies of water in your area.

Fertilizers and lawn chemicals that people use on their lawns and gardens?

11. Fuel and oil leaks from trucks, buses or automobiles?  
12. Dog Waste?  
13. Runoff from people washing their cars?  
14. Industrial sites?  
15. Farms operations?  
16. Sediment or dirt from construction sites?  
17. Parking lot runoff?
18. In your opinion, how effective are the following activities in maintaining land along a river or lake in an environmentally friendly way?

Allowing natural vegetation to grow wild?

Very effective  
Somewhat effective  
Not at all effective  
DO NOT KNOW  
REFUSAL

19. Keeping grass or other vegetation mowed to the edge of the water?  
20. Planting bushes and shrubs?  
21. Installing a retaining wall or bulkhead?
22. I am going to read you some potential definitions of a “watershed.” Can you tell me which best fits your definition of what a watershed is? Is it an area that retains water like a swamp or a marsh, all of the land area that drains into a specific river or lake, a reservoir that serves as a municipal water source, a small building where water is stored, or none of the things I've mentioned?

Low area that retains water  
Area that drains into specific river or lake  
Reservoir that serves as a municipal water source  
Small building where water is stored  
None of the options mentioned (Please specify other definition: \_\_\_\_\_)  
DO NOT KNOW

REFUSAL

23. Now, I'd like to know about your participation in several recreational activities. Please tell me how often you do each of the following activities:

Kayaking or canoeing?

Often (WEEKLY OR BI-WEEKLY DURING APPROPRIATE SEASON)

Sometimes (MONTHLY)

Rarely (A FEW TIMES EACH YEAR)

Never

DO NOT KNOW

REFUSAL

24. Paddleboarding?

25. Motorboating?

26. Fishing?

27. Swimming in rivers and lakes?

28. Visiting the beach?

29. Visiting natural areas for hiking, walking, or hunting?

30. Using community walking paths, also known as greenways?

31. How often do you get your yard's soil tested?

More than 1 time per year

One time per year

Every few years

Never

Other: \_\_\_\_\_

Not applicable. I do not have a yard.

32. In the past two years, have you participated in a lake, river, or roadside clean-up event?

Yes

No

DO NOT KNOW

REFUSAL

33. In the past two years, have you joined or volunteered for a conservation or environmental organization? If yes, which one?

Yes (Specify: \_\_\_\_\_)

No

DO NOT KNOW  
REFUSAL

34. Are you, or someone in your household, responsible for maintaining your lawn?

Yes, either I or someone in my household is responsible for maintaining my lawn.  
No, someone from outside my household maintains my lawn.  
Not applicable. I do not mow my lawn or have a lawn to maintain..  
DO NOT KNOW  
REFUSAL

35. Now, I am going to read a list of activities. I'd like to know how often, in the past two years, you have done the following.... Please also let me know if the question does not apply to you. In the past two years, how often have you....

Considered the likelihood of a storm before treating your lawn with pesticide or fertilizer?  
I always or nearly always considered the likelihood of rain every time I treat my lawn.  
I hardly ever or never considered the likelihood of rain before I treat my lawn.  
Does not apply, either I do not have a lawn or I did not use fertilizers or pesticides.  
DO NOT KNOW  
REFUSAL

36. Picked up after your dog?

I always picked up after my dog  
I nearly always picked up after my dog  
I hardly ever picked up after my dog  
I never picked up after my dog  
Does not apply, I do not own a dog  
DO NOT KNOW  
REFUSAL

37. Disposed of oil, paint or other chemical down storm drains?

I always disposed of oil, paint or other chemical down storm drains.  
I nearly always disposed of oil, paint or other chemical down storm drains.  
I hardly ever disposed of oil, paint or other chemical down storm drains.  
I never disposed of oil, paint or other chemical down storm drains.  
Does not apply, I did not use oil, paint or other chemical.  
DO NOT KNOW  
REFUSAL

38. Dumped grass clippings or leaves down storm drains, backyard creeks or ditches?

I always dumped grass clippings or leaves down storm drains, backyard creeks or ditches  
I nearly always dumped grass clippings or leaves down storm drains, backyard creeks or ditches.

I hardly ever dumped grass clippings or leaves down storm drains, backyard creeks or ditches.

I never washed dumped grass clippings or leaves down storm drains, backyard creeks or ditches.

Does not apply, I did not have grass clippings or leaves from my lawn.

DO NOT KNOW

REFUSAL

39. How many times have you had your septic system inspected and/or pumped in the past four years? Specify number of times: \_\_\_\_\_

DO NOT KNOW

Not applicable. Do not have a septic system.

REFUSAL

40. Generally, how do you currently remove or dispose of household chemicals such as paint/paint thinners, cleaners, pesticides)?

Pour them out in the yard or woods

Pour them into a storm drain or ditch

Put them in the trash

Pour them down the sink or toilet

Take them to the dump/landfill/collection center on appointed days.

Unsure.

Do not use these products.

Other: (please identify)

41. Where do you wash your car?

Gravel or lawn

Asphalt or paved driveway

Off site at a wash location

Does not apply, I either do not own a car/boat or did not wash my car.

DO NOT KNOW

REFUSAL

42. Where do you wash your boat?

Gravel or lawn

Asphalt or paved driveway

Off site at a wash location

Does not apply, I either do not own a car/boat or did not wash my boat.

DO NOT KNOW

REFUSAL

43. Are you aware that Clemson University has a program called Carolina Clear, which aims to collaborate with communities and grassroot groups to conduct water resource education?

Yes, I am aware of Carolina Clear and am familiar with its programs.

Yes, I have heard of Carolina Clear, but am not familiar with its programs.

No, I have never heard of Carolina Clear.

If yes, how did you hear about Carolina Clear?\_(open-ended response)

44. Do you have a rain barrel or rain garden in your yard?

Yes

No

REFUSAL

I DON'T KNOW WHAT THESE ARE.

### Regional-Specific Questions: *Myrtle Beach Area*

#### Zip Codes:

29526	29576
29527	29577
29566	29579
29572	29582
29575	29585

1. Of the options listed below, please let me know the three primary ways you receive local/regional information and news:

TV-Evening News

TV-Morning News

Radio-public (NPR)

Radio-general

Internet

Online local/regional newspaper

Print local/regional newspaper

Billboards/posters

Events/workshops

Other

2. Considering the environment, of the following options, what is the best way to dispose of pet waste when walking one's dog?

Leave it on the ground

Bury it

Bag it/scoop it and leave at the curb

Bag it/scoop it and put it in a storm drain

Bag it/scoop it and dispose in the trash.

UNSURE

REFUSAL

OTHER – CAPTURE RESPONSE

3. This question is for swimming pool owners only. Before closing your pool, do you dechlorinate the water prior to draining the pool?

I am not a pool owner.

I own a pool and dechlorinate the water before draining.

I own a pool but do not dechlorinate the water before draining.

DO NOT KNOW

REFUSAL

IF ASKED ABOUT DECHLORINATION, THIS TERM REFERS TO TIME FOR THE POOL'S CHLORINE TO TURN TO GAS. POOL OWNER WOULD USE THEIR TEST KIT TO EVALUATE IF CHLORINE LEVELS ARE DIMINISHED BEFORE DRAINING. DRAINING POOLS TO LOCAL DITCHES AND STORM DRAINS THAT STILL HAVE HIGH CHLORINE LEVELS COULD SHOCK LOCAL ECOSYSTEM.

4. This question is for septic system owners only. In the past five years, how frequently have you seen septic water in your yard?

Six or more times in five years.

Three to five times in five years.

One to two times in five years

This did not occur within this timeframe.

Never

UNSURE

REFUSAL

5. How important do you feel that local waterway health is to your quality of life?

Very important

Somewhat Important

Not at all important

No opinion



DO NOT KNOW  
REFUSAL

6. To the best of your understanding, when rain falls where you live, which body of water directly receives the runoff?

I am certain that water runs off into the following body of water \_\_\_\_\_  
(INTERVIEWER TYPES IN A RESPONSE TO THE OPEN-ENDED PORTION OF THE SURVEY QUESTION).

I think water runs off into the following body of water \_\_\_\_\_  
(INTERVIEWER TYPES IN A RESPONSE TO THE OPEN-ENDED PORTION OF THE SURVEY QUESTION).

I do not know what waterbody receives the runoff from rain that falls where I live.

REFUSAL

7. Have you ever heard of the Coastal Waccamaw Stormwater Education Consortium?

Yes, I am aware of the Coastal Waccamaw Stormwater Education Consortium and am familiar with its programs.

Yes, I have heard of Coastal Waccamaw Stormwater Education Consortium, but am not familiar with its programs.

No, I have never heard of the Coastal Waccamaw Stormwater Education Consortium.

If yes, how did you hear about the Coastal Waccamaw Stormwater Education Consortium?  
(open-ended response) \_\_\_\_\_