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

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

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
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
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
43. Are you aware that Clemson University has a program called Carolina Clear, which aims to collaborate with communities and grassroots 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: Charleston Area

Zip Codes: - modified to full extent of three counties (Charleston, Berkeley and Dorchester)

<table>
<thead>
<tr>
<th>29401</th>
<th>29402</th>
<th>29403</th>
<th>29404</th>
<th>29405</th>
</tr>
</thead>
<tbody>
<tr>
<td>29422</td>
<td>29423</td>
<td>29424</td>
<td>29425</td>
<td>29426</td>
</tr>
<tr>
<td>29482</td>
<td>29487</td>
<td>29410</td>
<td>29430</td>
<td>29431</td>
</tr>
<tr>
<td>29430</td>
<td>29410</td>
<td>29434</td>
<td>29436</td>
<td>29445</td>
</tr>
<tr>
<td>29431</td>
<td>29445</td>
<td>29434</td>
<td>29450</td>
<td>29453</td>
</tr>
<tr>
<td>29436</td>
<td>29453</td>
<td>29445</td>
<td>29461</td>
<td>29464</td>
</tr>
<tr>
<td>29447</td>
<td>29448</td>
<td>29471</td>
<td>29472</td>
<td>29477</td>
</tr>
<tr>
<td>29485</td>
<td>29461</td>
<td>29476</td>
<td>29479</td>
<td>29492</td>
</tr>
<tr>
<td>29420</td>
<td>29466</td>
<td>29476</td>
<td>29420</td>
<td>29467</td>
</tr>
</tbody>
</table>
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. If you fish, do you eat your catch?
   - Always
   - Sometimes
   - Never
   - I DON’T FISH.
   - REFUSAL

3. In general, how often do you eat locally caught seafood?
   - Weekly to biweekly
   - Monthly
   - Several times a year
   - Once a year
   - Never, I don't eat seafood
   - NOT CONSIDERED
   - UNSURE WHAT IS LOCAL

4. How concerned are you that shellfish can be affected by failing septic systems, wildlife and pets, and other sources of pollution?
   - Not at all concerned
   - Not very concerned
   - Somewhat concerned
   - Very concerned
   - DO NOT KNOW
   - REFUSAL

5. Have you ever heard of the Ashley Cooper Stormwater Education Consortium?

   Yes, I am aware of the Ashley Cooper Stormwater Education Consortium and am familiar with its programs.
Yes, I have heard of the Ashley Cooper Stormwater Education Consortium, but am not familiar with its programs.

No, I have never heard of the Ashley Cooper Stormwater Education Consortium.

If yes, how did you hear about the Ashley Cooper Stormwater Education Consortium? (open-ended response)