

Wake County Stormwater Management Task Force

Kickoff Meeting - February 23, 2006

SURVEY OF STORMWATER OPINIONS, PERCEPTIONS AND KNOWLEDGE

Please circle your answers.

- 1. Based on your current knowledge and opinion, please rate the overall water quality of the rivers, streams and lakes in your area of Wake County.**

Excellent Good Fair Poor

- 2. How significant do you think each of the following items is as a potential source of water pollution to rivers, streams, and lakes within Wake County?**

- a. Wastewater discharges from manufacturing plants

Very Significant Significant Not Significant

- b. Wastewater discharges from sewage treatment plants

Very Significant Significant Not Significant

- c. Pollutants that are deposited from the atmosphere, like acid rain

Very Significant Significant Not Significant

- d. Rainfall runoff from parking lots, streets, and other vehicular traffic areas

Very Significant Significant Not Significant

- e. Rainfall runoff from farms and agricultural operations

Very Significant Significant Not Significant

- f. Rainfall runoff from forested or undeveloped land areas

Very Significant Significant Not Significant

- g. Rainfall runoff from developed residential land areas

Very Significant Significant Not Significant

- h. Rainfall runoff from commercial and industrial land areas

Very Significant Significant Not Significant

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- i. Soil eroding from construction sites or disturbed land areas

Very Significant Significant Not Significant

- j. Soil eroding from unstable stream banks

Very Significant Significant Not Significant

- k. Intentional discarding by residents of oil, grease, household chemicals, and other wastes into the environment

Very Significant Significant Not Significant

- l. Accidental spills into the environment of industrial and/or commercial chemicals

Very Significant Significant Not Significant

- m. Discharges from failing or inadequate septic tanks or septic systems

Very Significant Significant Not Significant

- n. Discharges from failing or inadequate sanitary sewer pipes/systems

Very Significant Significant Not Significant

- o. Trash that gets dumped into lakes and rivers by boaters and other recreational users

Very Significant Significant Not Significant

- p. Natural waste matter discharged in or near streams and lakes by wildlife

Very Significant Significant Not Significant

3. **Of all the above possible sources of water pollution, please select and rank those which you think are the five largest sources of pollution within Wake County.**

(Circle the letter for the top 5 sources and then rank from #1 - #5, with #1 being what you think is the largest source of water pollution.)

- a. Wastewater discharges from manufacturing plants ____

- b. Wastewater discharges from sewage treatment plants ____

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- c. Pollutants deposited from the atmosphere like acid rain ____
- d. Rainfall runoff from parking lots and streets ____
- e. Rainfall runoff from farms and agricultural operations ____
- f. Rainfall runoff from forested or undeveloped land areas ____
- g. Rainfall runoff from developed residential land areas ____
- h. Rainfall runoff from commercial and industrial land areas ____
- i. Soil eroding from construction sites or disturbed land areas ____
- j. Soil eroding from unstable stream banks ____
- k. Intentional discarding of wastes by residents ____
- l. Accidental spills of industrial and/or commercial chemicals ____
- m. Failing or inadequate septic tanks and septic systems ____
- n. Failing or inadequate sanitary sewer pipes/systems ____
- o. Trash that gets dumped into lakes and rivers by boaters and other recreational users ____
- p. Natural waste matter from wildlife ____

4. If you have a lawn and mow your grass, what do you do with the grass clippings?

- a. Leave them in the yard
- b. Collect them and throw them in the garbage
- c. Rake or blow them into a storm drain or nearby ditch
- d. Mulch or compost them
- e. Something else
- f. I don't have a grassed lawn

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5. Do you ever put fertilizer on your lawn?

YES NO

6. About how often do you put fertilizer on your lawn?

- a. Monthly
- b. Two or three times a year
- c. Once a year or less

7. Does anyone ever test the soil on your lawn to determine how much fertilizer is needed?

YES NO

8. Where do you wash your personal vehicle(s)?

- a. At home
- b. Take it to a commercial car wash
- c. Both at home and at a commercial car wash
- d. Other, someone else washes it, or some other scenario

9. If you wash your vehicle at home, does the soapy water flow into the grass or onto the street?

- a. Into the grass, dirt or gravel
- b. Into the street or driveway
- c. Varies, sometimes one, sometimes another

10. Do you change your own oil?

YES NO

11. If you change your oil, how do you dispose of the used oil?

- a. In a designated lawn area
- b. With other garbage (dumpster, placed in trash bags with other trash, etc.)

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- c. Pour it down a storm drain
- d. Take it to be recycled (recycle center, Jiffy Lube, gas station, etc.)
- e. Other

12. If you have one, do you walk your pet?

YES NO DO NOT HAVE PET

13. If applicable, how often do you pick up their pet waste (either during your walk or in your yard)?

- a. Always
- b. Often
- c. Sometimes
- d. Rarely
- e. Never
- f. Not applicable (do not have pet)

14. Where does stormwater runoff go once it enters a storm drain?

- a. A regular sewage treatment plant
- b. A separate stormwater treatment plant
- c. Nearby fields and yards
- d. Nearest river, stream, pond, or lake

15. Are you aware of any storm drainage or flooding problems in Wake County?

YES NO

16. If YES to Question 15, where have you experienced drainage or flooding problems?

- a. I have experienced drainage/flooding problems that have directly affected my house (example: water flooding my crawl space or into my living space).

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- b. I have experienced drainage/flooding problems that have affected some portion of my property (example: backyard), but not my house.
- c. I have experienced drainage/flooding problems within my neighborhood but not at my house or property.
- d. I am aware of drainage/flooding problems within Wake County but am not aware of any problems within my neighborhood.

17. Have you ever contacted the County and/or your local Municipal government about drainage, flooding, or water quality issues?

YES NO

If YES, which local government within Wake County did you contact?

- COUNTY GOVERNMENT
- MUNICIPAL GOVERNMENT (Town/City of _____)
- BOTH

If YES, what was the nature of the concern?

18. If YES to Question 17, were you satisfied with the response and services by the County and/or your local Municipal government?

YES NO N/A

Why? Please comment on the response and services provided by the County and/or your local Municipal government, if and as applicable:

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19. How well are erosion and sedimentation controlled during site construction activity in Wake County?

- a. Construction sites are always well-protected with very little silt or mud leaving the sites.
- b. Construction sites are usually well-protected with only minor amounts of silt or mud leaving the sites.
- c. Construction sites are sometimes unprotected with large amounts of silt or mud leaving the sites.
- d. Construction sites are frequently unprotected with large amounts of silt or mud leaving the sites.
- e. Unsure or have not observed

20. How well does the storm drainage system (catch basins, drainage pipes, drainage culverts under roadways, drainage ditches, etc.) generally work within your jurisdiction?

- a. The storm drainage system works perfectly and handles rainfall with no problems.
- b. The storm drainage system seems to work ok in most storms.
- c. The storm drainage system occasionally backs up water, floods some streets, and can cause either a short-term nuisance or potentially dangerous flooding.
- d. The storm drainage system often fails to work well and is a major public safety concern.
- e. Unsure or have not observed.

21. How would you generally rate the maintenance of the storm drainage system (includes catch basins, drainage pipes, drainage culverts under roadways, drainage ditches, etc.) within your jurisdiction?

- a. The storm drainage system is very clean and very well maintained.
- b. The storm drainage system is adequately maintained in most cases.
- c. The storm drainage system needs more frequent maintenance.
- d. Unsure or have not observed.

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22. Are you aware of any water pollution problems in local streams, ponds, lakes, or rivers?

YES NO

If Yes, please describe _____

23. Do you think it would be beneficial to regularly sample and test water quality in local streams and lakes to identify and help track down any potential sources of water pollution?

YES NO UNSURE

If Yes, what pollutants do you think should be tested for? _____

24. Would you support enhanced stormwater runoff controls or practices if they further protected water quality and/or reduced flooding hazards within your community and Wake County?

YES NO UNSURE

25. Do you think the natural environment adds to the quality of living and working in Wake County?

YES NO UNSURE

26. Over the past five to ten years, would you say that stormwater-related problems (drainage, flooding, water quality, other) in your area have:

INCREASED	DECREASED
STAYED THE SAME	UNSURE / DON'T KNOW

27. Over the past five to ten years, would you say that the general health of watersheds in your area have:

IMPROVED	DECLINED
STAYED THE SAME	UNSURE / DON'T KNOW

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28. Do you think current public stormwater management programs and levels of service are generally adequate to maintain the desired quality of life as Wake County continues to rapidly grow?

YES NO UNSURE

29. Would you be willing to volunteer a portion of your time to help with projects and initiatives that monitor and protect the health and quality of water and natural resources within the community?

YES NO UNSURE

30. Do you think reducing existing or preventing future problems associated with drainage, flooding, or water pollution would make Wake County an even better place to live?

YES NO UNSURE

31. Would you be willing to pay for programs and services designed to help minimize drainage, flooding, and water pollution concerns within your neighborhood, your community, and across Wake County?

YES NO UNSURE

[Please return completed survey to staff & consultant project team]

Thank you for your time, interest, and participation in this important collaborative project for Wake County and its 12 Municipalities.