

# **APPENDIX IV**

## **SUMMARY OF BASINWIDE PLANNING WORKSHOPS**

**October 21 and 25, 1994**

**Pittsboro and Elizabethtown**



# North Carolina Cooperative Extension Service

NORTH CAROLINA STATE UNIVERSITY  
COLLEGE OF AGRICULTURE & LIFE SCIENCES

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December 7, 1994

To Participants in the Cape Fear Basinwide Planning Workshops:

Thank you for participating in the October 21 and 25 Cape Fear Basinwide Planning Workshops. The Cape Fear Basinwide Water Quality Management Plan being developed by the North Carolina Division of Environmental Management will affect all residents of the Cape Fear River Basin. Your input is necessary to make this program successful in meeting its water quality protection goals.

Attached is a summary of the Workshops. Participants identified many issues and recommended actions to address these issues. Some of these recommendations require state action, but many require that local governments and citizens become involved in managing water resources.

The next step in the Basinwide Planning process is development of the Draft Management Plan. The Division of Environmental Management will send you a copy of the Draft Management Plan's Executive Summary to review when it is available. A full Draft Management Plan will be sent to you upon request. A series of public meetings will be conducted in the Cape Fear River Basin to receive public comment on this Plan in 1995.

Thank you again for participating in the Workshops. Please contact me if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Greg Jennings".

Gregory D. Jennings, Ph.D.  
Extension Specialist

cc: Alan Clark, NC Division of Environmental Management  
Paula Thomas, NC League of Municipalities

# Cape Fear Basinwide Planning Workshop Summary

Prepared by Greg Jennings, Extension Specialist  
North Carolina Cooperative Extension Service, North Carolina State University

Cape Fear Basinwide Planning Workshops were conducted October 21, 1995, at the Chatham County Extension Center in Pittsboro and October 25, 1995, at the Bladen County Extension Center in Elizabethtown, with 191 participants representing the following interests:

- 54 City & County Government
- 29 State & Federal Government
- 34 Business & Industry
- 18 Farmers & Landowners
- 33 Citizen Organizations
- 23 Cooperative Extension Service

## Workshop Objectives:

1. Describe local implications of the Cape Fear Basinwide Water Quality Management Plan; and
2. Increase public involvement in developing and implementing the Cape Fear Basinwide Plan.

## Workshop Agenda:

- 9:00 Introduction and Video Presentation - Greg Jennings, CES - NCSU
- 9:30 Description of DEM Basinwide Water Quality Management Program and Implications for the Cape Fear River Basin - Alan Clark, DEM
- 10:30 Discussion Groups to Answer: "Based on your knowledge of water quality in the Cape Fear River Basin, what are the key issues and how should they be addressed?"
- 11:15 Presentations by Discussion Group Facilitators
- 11:45 Summary of Discussion Group Comments and Wrapup

Workshop participants divided into small discussion groups to address the question: "Based on your knowledge of water quality in the Cape Fear River Basin, what are the key issues and how should they be addressed?" Facilitators summarized responses in brief presentations to Workshop participants.

## Priority Issues and Recommended Actions Identified by Two or More Discussion Groups:

- Increase support for monitoring and enforcement
- Increase public education and involvement of local stakeholders
- Increase incentives and enforcement for nonpoint sources, including agriculture and forestry
- Promote regional land use and wastewater planning
- Consider economic implications of environmental protection
- Improve monitoring data for a sound basis for regulations
- Identify and target critical areas of water quality concerns
- Coordinate local and state government programs to maximize effectiveness
- Develop and implement new technologies (BMPs) for nonpoint source control
- Address urban stormwater runoff through education and enforcement
- Improve enforcement of erosion and sedimentation regulations
- Evaluate nutrient trading for cost-effective pollutant reductions
- Consider impacts on wildlife habitat

Below are summarized the priority issues and recommended actions of the 6 discussion groups:

**Pittsboro Group 1 (Facilitator: Glenn Woolard, CES - Chatham County):**

1. Nonpoint sources: Need funding for incentives & education for agriculture & forestry; Need to locate & monitor sources; Evaluate nutrient trading options; Educate youth on social responsibilities & property rights; Educate public servants; Influence public perception with factual information
2. Land use planning: Need to control growth; Evaluate Randleman Dam impacts
3. Point sources
4. Develop & implement Best Management Practices (BMPs) where needed
5. Make water quality & point source data accessible to the public to promote citizen involvement
6. Evaluate effective lot sizes
7. Consider long-term development impacts
8. Septic systems
9. Mining
10. Wildlife habitat

**Pittsboro Group 2 (Facilitator: Charles Hammond, CES - Moore County):**

1. Education for targeted audiences with feedback on progress: Improve understanding of water quality programs; Target local decision-makers
2. Promote public and local decision-maker participation
3. Promote regional land use and wastewater management planning
4. Identify timber harvesting violations
5. Study dissolved oxygen in Deep River
6. Evaluate impacts of Randleman Dam
7. Study impacts of interbasin transfer
8. Need to continually evaluate and improve water quality protection programs
9. Improve enforcement of existing regulations
10. Improve sedimentation control
11. Promote citizen monitoring
12. Evaluate nutrient trading
13. Protect critical habitats
14. Septic systems
15. Develop and promote new, effective BMPs

**Pittsboro Group 3 (Facilitator: Craven Hudson, CES - Chatham County):**

1. Education: Need user-friendly basinwide planning documents with indexes of phone numbers
2. ~~Effective Basinwide planning process: Need processes to gain citizen input for setting and refining realistic goals; Need ongoing Workshops and other meetings; Include public comments in appendix~~
3. Increase DEM enforcement and public notification of violators
4. Nutrients
5. Floodplain protection
6. Wastewater management for small systems
7. Water supply pathogens (input from livestock)
8. Urban stormwater runoff
9. Alternative methods of wastewater treatment
10. Point source discharger compliance
11. Education on existing regulations
12. Agricultural sustainability & water quality protection
13. Economic impacts on "victims"
14. Sediment
15. Timber harvesting

16. Hydropower flow regulation & habitat protection
17. Need for realistic, phased-in regulations with benchmarks
18. Car wash runoff
19. Evaluate hazards of radioactive waste disposal
20. Forecast future discharge limits
21. Industrial waste characterization (pretreatment & final quality)
22. Determine land area lost to development under wetlands protection programs
23. Notify public of discharge & non-discharge permit changes
24. Rainfall deposition

**Pittsboro Group 4 (Facilitator: Greg Jennings, CES - NCSU):**

1. Education: Citizens, Local officials, Developers, Homeowners, Media
2. Land use planning: Consider stormwater management
3. Agriculture (including animal waste): New technologies; Prevent the source; Address misperceptions
4. Nutrients in Deep River: Determine condition of water; Study impacts of dam
5. Sedimentation: Determine who is responsible; Enforce existing rules
6. Improved monitoring & enforcement by DEM
7. Equitable implementation of regulations
8. Consider economic impacts of regulations
9. Consider impacts on small towns and how to involve local decision-makers
10. Mining (sedimentation)
11. Wastewater treatment plant biosolids
12. Nonpoint source reductions
13. Integrate neighboring river basins
14. Base decisions on sound data
15. Wetland protection
16. Control development
17. Evaluate hazards of radioactive waste disposal

**Elizabethtown Group 1 (Facilitator: Kathy Dugan, CES - Bladen County):**

1. Balance regulation of point and nonpoint sources
2. Consider impacts of beaver management
3. Study and regulate swine waste lagoons
4. Study removal of locks and dams
5. Provide funding incentives for point sources to work together (similar to Conservation Districts)
6. Study impacts of limits on point sources
7. Study long-term impacts of interbasin transfer
8. Promote stormwater controls for large industries
9. Evaluate pollutant trading
10. Improve enforcement and promotion of BMPs
11. Study waste assimilation in other River Basins (Neuse, Lumber)
12. Explain virtues of Basinwide Management to local governments

**Elizabethtown Group 2 (Facilitator: Dan Bailey, CES - Sampson County):**

1. Education: Promote citizen involvement; Present a basinwide perspective of pollution; Local officials
2. Enforce NPS regulations uniformly with others
3. Increase local involvement in pollution prevention
4. Study assimilative capacity of River Basin
5. Reduce interagency conflict
6. Study long-term impacts of interbasin transfer
7. Promote political cooperation and bargaining

8. Eliminate overlapping regulations
9. Study and reduce agricultural impacts
10. Address excessive nutrient loadings

**Elizabethtown Group 3 (Facilitator: Bobby Clark, CES - Harnett County):**

1. Nonpoint sources (animal waste) impacts on water quality and need for BMPs: Incentives; Trading
2. Improve communication among agencies and to citizens
3. Need improved, coordinated water quality monitoring
4. Education: Show public how to get involved; More publicity; Present "state-of-the-river"
5. Study lock and dam operation
6. Consider property rights and taking issues
7. Consider critical habitats
8. Evaluate cost-benefit relationships
9. Determine regulatory impacts on point sources, development, & land use
10. Need effective stormwater management
11. Need to promote factual understanding of water quality, not uninformed perceptions
12. Interbasin transfer impacts
13. Promote regionalized wastewater management and water reuse
14. Study effectiveness of BMPs in protecting water
15. Develop a state land use plan
16. Document water quality improvements
17. Evaluate effectiveness of erosion and sedimentation control program
18. Increase enforcement

**Elizabethtown Group 4 (Facilitator: Phil Ricks, CES - New Hanover County):**

1. Address stormwater discharges
2. Study long-term impacts of interbasin transfer
3. Study impacts of point source limitations
4. Determine reliability of computer models
5. Promote BMPs
6. Education

**Elizabethtown Group 5 (Facilitator: Sandy Maddox, CES - Pender County):**

1. Identify specific problem sources
2. Reduce overlap with existing programs & rules
3. Study cost-benefit relationships and feasibility of rules for point & nonpoint sources
4. Consider economic benefit & capacity delegation
5. Determine effective enforcement procedures (who is responsible)
6. Consider linkages with other agencies
7. Study long-term impacts of interbasin transfer
8. Site-specific water quality classifications
9. Compare proposed program with other states to evaluate environmental & economic impacts
10. Evaluate pollutant trading & reduction options (pool funding to address critical areas)
11. Promote local monitoring and problem solving
12. Concentrate funding and enforcement to identified problem areas
13. Improve positive media involvement (success stories)
14. Increase public education and involvement
15. Increase understanding of regulators on "real life" situations
16. Develop a "one-stop" center for education and assistance with water quality problems
17. Resist temptation to develop new regulations until after initial 5-year period
18. Eliminate unnecessary, confusing regulations