RESOLUTION

WHEREAS, The Dare County Board of Commissioners desires to sponsor a study that will identify:

1) water quality, water management and recreational concerns resulting from land-use changes associated with rapid development, and

2) projects that will help create a region-wide infrastructure for maintaining the integrity of water resources and improving drainage;

NOW, THEREFORE, BE IT RESOLVED THAT:

1) The board requests the State of North Carolina to provide financial assistance to Dare County for the Albemarle-Pamlico Regional Water Quality Study, in the amount of $9,500 or 95 percent of the study costs;

2) The Board assumes full obligation for payment of the balance of the study costs;

3) The Board will comply with all applicable laws governing the award of contracts and the expenditure of public funds by local governments.

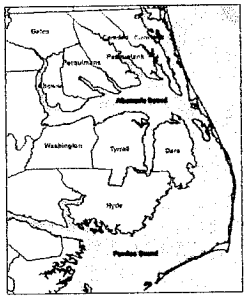
This 16th day of October, 2006

DARE COUNTY BOARD OF COMMISSIONERS

By:_____
Chairman

ATTESTED: _____
Clerk

Albemarle Resource Conservation & Development Council



Making Things Happen

Conserving Natural Resources, Creating Jobs and Increasing Incomes

AUG 31 2006

Camden, Chowan, Currituck, Dare, Gates, Hyde, Pasquotank, Perquimans, Tyrrell, & Washington Counties

August 30th, 2006

Terry Wheeler
County Manager, Dare County
P.O. Box 1000
Manteo, N.C. 27954

Dear Mr. Wheeler,

With input from District Conservationists, Soil and Water Conservation District staff and others, the Albemarle RC&D has developed a concept for a regional water-quality study covering the 10 counties in the Albemarle RC&D area. A two-page summary is attached.

We would like to submit a proposal for the regional water-quality study to the NC Department of Environment and Natural Resources, Division of Water Resources by their January 1st, 2007 proposal application deadline. John Sutherland, Chief of the Division of Water Resources indicated earlier this year that his Division would consider funding a regional study at 90-100%. He also indicated that they would consider funding projects identified through a regional study at 90-100%.

The goal of the study is to identify specific projects in each county that can be funded by Water Resources at 90-100%. Conducting the study and coordinating projects on a regional level will also allow the sharing of experiences and information, and thus help avoid costly mistakes and duplication of effort. As indicated in the concept paper, we will be requesting $10,000 from Water Resources for each of the 10 counties to help cover costs associated with collecting and summarizing data, making maps, etc. The Albemarle RC&D will summarize study data from each county and produce a final report.

To consider a regional study, Water Resources will require a resolution of support from the county commissioners of each county with a maximum match contribution of $1,000 per county. After you have had a chance to review the attached study summary, I would like to set up an appointment with you to discuss the study and a resolution of support.

I look forward to speaking with you in person about the regional water-quality study.

Sincerely,

Mark Powell, Coordinator

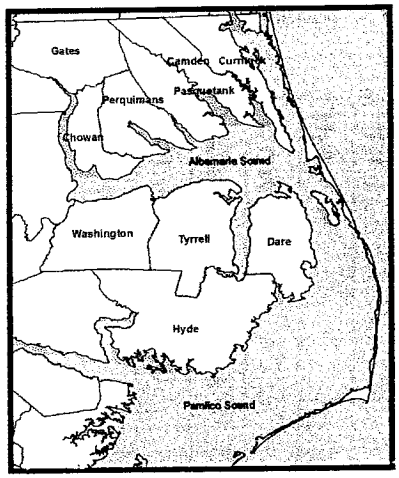
Cc: Cynthia Owens, Jim Coleman, Ann Coughlin

730 N. Granville St., Suite B ~ Edenton, North Carolina 27932

Tel: 252-482-7437, Ext 4 ~ Fax: 252-482-3428

Albemarle-Pamlico Regional Water Quality Study

The study will identify regional water quality, water management, and recreational concerns resulting from land-use changes associated with unprecedented development in Chowan, Perquimans, Pasquotank, Camden, Gates, Currituck, Dare, Hyde, Tyrrell, and Washington counties. This work will build on county-wide drainage studies and water quality projects that have been implemented, or that are in process in the Albemarle-Pamlico Region. Projects implemented as a result of the study will help create a region-wide infrastructure for maintaining the integrity of water resources and improving drainage. Components of the regional study will include:



- Identify and prioritize streams and canals for a 5-year recurrence interval for clearing and snagging in major watersheds.

- Identify opportunities to develop or upgrade stormwater ordinances in each county to address water quality and drainage concerns associated with rapid commercial and residential development. Ordinances would include standards for 1) evaluating up-stream and down stream drainage at the watershed level, 2) determining flooding consequences for existing and new developments, and 3) reconstructing drainage systems on commercial, residential and public/agricultural properties using innovate techniques including constructed wetlands, buffers, and table water management.

- Identify a commercial, residential and public/agricultural property in each county to reconstruct drainage systems for demonstrating innovative stormwater management.

- Identify opportunities for establishing a water quality/water management advisory committee in each county to provide technical information, public education, and research support.

- Identify opportunities for establishing Special Use Water Management Districts (SUWMD) in each county to provide a mechanism for public input to prioritize and implement drainage and water quality improvement projects.

- Identify key issues and costs associated with monitoring and evaluating water quality and reconstructed drainage projects at the local and regional level.

Each of the 10 counties in the region is at a different stage of developing the components listed above. For example, with assistance from NCRS and the Albemarle RC&D, Pasquotank County is developing a stormwater ordinance that includes specifications for evaluating up-stream and down-stream drainage at the watershed level, and reconstructing drainage systems using innovate techniques such as constructed wetlands instead of detention and retention ponds. Perquimans County is beginning the process of developing a storm-water ordinance, and may be able to save time and money by using Pasquotank County's

ordinance as a model. The same scenario may apply to other counties in the region that will have to develop ordinances to help manage stormwater runoff from residential and commercial development.

The following matrix shows where the 10 counties are in terms of the study components listed above:

Study Component	Chowan	Gates	Perquimans	Pasquotank	Camden	Currituck	Washington	Tyrrell	Hyde	Dare
County-wide drainage study in progress	✓		✓	✓		✓				✓
County-wide drainage study completed							✓			
Streams & canals prioritized for snagging & clearing on 5-year interval										
County stormwater ordinance completed										
County stormwater ordinance in progress				✓		✓				
Reconstructed drainage demonstration in a residential development	✓					✓				
Reconstructed drainage demonstration on a commercial property	✓									
Reconstructed drainage demonstration on a public/agricultural property	✓	✓	✓				✓			✓
County water management committee in operation				✓			✓			
SUWMD set up and operating in each county				✓		✓	✓			
Key issues and costs associated with monitoring and evaluating water quality and reconstructed drainage projects at local and regional level										

The regional study will help identify specific project opportunities in each county, and progress toward maintaining the integrity of regional water quality and improving drainage will correspond with filling in the matrix. Conducting the study and coordinating projects on a regional level will also allow the sharing of experiences and information, and thus help avoid costly mistakes and duplication of effort.

The Albemarle RC&D will coordinate the regional study and produce a final report. Using ArcView GIS, the RC&D will also serve as a clearing house for GIS data collected by each county for the study. The study will require $10,000 for each county and the RC&D for collecting, analyzing, and printing information and maps. N.C. State University, Department of Biological and Agricultural Engineering will also receive a grant through this study for identifying key issues and costs associated with monitoring and evaluating water quality and reconstructed drainage projects at the local and regional level.