

Proceedings of
Albemarle Pamlico Estuarine Study
Policy Committee Meeting
Beaufort, N.C.
March 17, 1987

Submitted to
Douglas N. Rader
Program Coordinator
Albemarle Pamlico Estuarine Study

Submitted by
Marguerite A. Duffy
SCI Data Systems, Inc.
March 31, 1987

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Attachments:

- A -- Workplan Cover letter
- B -- APES Seminar
- C -- Proposed Citizens List by Technical Committee
- D -- Notification of Citizen Appointment
- E -- Public Participation Position Description
- F -- Funding Sources

Proceedings of Albemarle-Pamlico Estuarine Study (APES)
Policy Committee Meeting
March 17, 1987

I. Opening Remarks

The meeting began at 12:30 p.m. chaired by Mr. Tommy Rhodes, Secretary, N.C. Department of Natural Resources and Community Development (NRCD). Secretary Rhodes tabled the agenda for consideration. No changes were made. Mr. Jack Ravan, co-chairman and EPA Regional Administrator, thanked Dr. John Costlow, Duke University, for hosting the meeting. Ravan emphasized that the Albemarle-Pamlico Estuarine Study (APES) has been in existence for six months and stressed the need for the Policy Committee (PC) to move forward and make decisions. Ravan stated the PC is not a forum for debating technical issues. The PC makes policy decisions which the Technical Committee, does not debate, but carries out. Rhodes agreed that the PC should move ahead more rapidly than in the past.

A. Minutes

The minutes were tabled for consideration and changes were made as follows.

- o On page 2 line 14, management committee means policy committee. Policy committee should be put in parenthesis after management committee in order to reflect the synonymous meaning.
- o On page 2, line 20, add the words "chose not to" before utilize.

- o On page 2, 3rd para., explain the intent of John Costlow's statement by adding as underlined he was asked to make too quick a decision on the formal workplan, as it was not yet approved by the technical committee.
- o On page 3, change Fred Cross to Ford Cross.
- o On page 5, Section B, change the word motioned/motion to recommended/recommendation.

Rhodes moved to approve the minutes with the above changes. Costlow seconded the motion. The motion carried. Minutes approved with changes.

II. Program Activities

Doug Rader reported on the following activities:

A. Workplan

On February 25, 1987, the Technical Committee (TC) met, reviewed, revised and approved the draft workplan. Dirk Frankenberg subsequently arranged for 150 copies of the document for distribution. Copies were sent to the APES committee members, 60 citizens (names abstracted from the TC's original list of citizen nominees), and a number of researchers. The copies were sent with a cover letter (Attachment A), giving notice of the forthcoming Call for Proposals. Rader sent the letter and workplan as an informal advance Call for Proposal to allow interested parties ample preparation time. Rader will mail an additional 350 copies on March 20, 1987.

The TC passed a motion to make a recommendation to the PC that the Call for Proposal regarding the information acquisition portion of the study embody Chapter IV of the workplan, with an explanatory cover letter.

B. Upcoming Meetings

- o Drs. George Everett and Doug Rader will address the N.C. Legislative Committee on Natural Resources on 3/19/87. They will discuss water quality relationships in the Sound and brief the legislature on APES activities to date.
- o Dr. Ford (Budd) Cross will chair an "Estuary of the Month Seminar" in Washington, D.C. on April 9, 1987. The subject is Albemarle-Pamlico Sounds. This is a joint NOAA, EPA, U.S. Fish & Wildlife sponsored seminar (an agenda is included at Attachment B.)

III. Peer Review

Rader requested that in accordance with the APES Administrative Procedures and the schedule outlined for accomplishing proposal review that the PC decide on a review process. The procedures call for two members of the Policy Committee and three members of the Technical Committee to review the proposals.

A question arose as to the outside scientific peer review required by the administrative procedures. With the May deadline to complete the proposal process, there was concern as to how much peer review could be accomplished in the time frame allowed. Gantt explained that the administrative review committee had considered the peer review process in terms of large contracts, Commerce Business Daily (CBD) announcements, and of such monetary amount that outside peer review would be required. Gantt stated that if the proposal solicitation process does not require CBD solicitation and if the cost awards for proposal review is smaller in magnitude than originally intended that the process could possibly be modified. Rader explained that he anticipates small and large scale research proposals. EPA will consider the proposal review as a "pre-application screening process."

Dirk Frankenberg made a motion.

Motion 1. Move that the Review Committee be appointed and directed to establish procedures for reviewing proposed activities. Specifically, the committee is requested to use external peer review whenever possible and for all activities

costing more than \$35,000, and that the committee consider both contracts and cooperative agreements as vehicles for funding information acquisition activities. Costlow seconded the motion. Ayes carried. Motion approved.

Jack Ravan made a motion.

Motion 2. Move that the Dirk Frankenberg and John Costlow be the PC Members appointed to the peer review committee. Gantt seconded the motion. Ayes carried. Motion approved.

Costlow pointed out the potential for criticism by selecting two academicians to the committee. Rader suggested achieving balance through TC appointments. Secretary Rhodes requested that Bruce Barrett and Ernie Carl ensure this balance. Jim Turner was named as the third Technical Committee representative on this sub-committee.

John Costlow made a motion.

Motion 3. Move to appoint Dirk Frankenburg as the Chair of the Peer Review Committee. Cross seconded the motion. Ayes carried. Motion approved.

Gantt then asked if the two motions just passed on peer review were in keeping with the Administrative Procedures. Ravan stated the motions supersede the procedures. Rader will present a list of such changes needed for consistency.

IV. Call For Proposals

A. Number of Copies Required

Doug Rader was asked how many copies of each Call for Proposal are required. He suggested 30 copies. It was agreed 30 are too many and that 20 would be requested.

B. Geographic Area

Cross requested that a very rigid description of the geographic area for program study be included in the Call for Proposal. Rader is to ensure that the boundary map is correctly presented and stated in the Call for Proposals. Discussion followed concerning proposals received on a project outside the geographically specified boundary but having an impact on the estuary. It was agreed to handle those situations on a case-by-case basis.

V. Citizen Advisory Committees

A. Nominations

Doug Rader briefed the PC on action taken by the TC at their meeting on February 25, 1987.

- o The TC approved the two slates of nominees (originally approved by the TC in December) to include all but the citizen category. This totals 11 approved appointments per committee, with four vacancies remaining in the citizen category.
- o The TC voted to expand the CAC based upon interest expressed at the public meeting on February 14, 1987. The TC voted to add fifteen additional slots per committee.

Rader distributed a revised, approved CAC list, which was assembled by a TC subgroup. The TC subgroup selected the original 11 nominees (from December approval, less the four in the citizens category) and 19 new nominees per committee (to fill the four in the citizens category plus the 15 newly created slots), (Attachment C). The PC was asked to review and approve the lists (totalling 30 per list).

Dan Ashe asked how the 19 new nominees were recommended and selected. Discussion followed on the distribution of counties and the lack of representative balance.

Ravan made a motion.

Motion 4. Move that the PC vote on and appoint today the 11 nominees presented and approved by the TC and that Secretary Rhodes be given the opportunity to appoint the four (4) remaining vacancies in the citizens category, thus filling the original established committee of 15. Move that the newly approved 15 vacancies, be filled within 10 working days, by the PC, by allowing each of the seven policy committee members to select and appoint two members. The one remaining member will be selected and appointed by Doug Rader as Program Executive Director. The nominees must be made considering county. Further expansion of the Citizens Advisory Committee shall be self-perpetuating by the CAC and expansion must be approved by the TC and PC. Rhodes seconded the motion. Ayes carried. Motion approved.

Ravan stated there is no need to return the list of new nominations to the PC for approval.

B. Notification of Appointment

Rader distributed a draft letter for notifying persons of their appointment to the CAC (Attachment D).

Ravan made a motion.

Motion. Move to approve the letter and notify appointees.
Gantt seconded. Ayes carried. Motion approved.

VI. Public Participation Program

A. Position

Rader distributed a draft description of the public participation position (Attachment E). The position was approved at the last PC meeting. Ravan stated a need to move forward and select a person to fill the vacancy.

Ravan made a motion.

Motion. Move that the PC approve the position description.
Gantt seconded the motion. Ayes carried. Motion approved.

B. Request for Proposal for Public Education

Ted Bisterfeld, EPA, Region IV, distributed a RFP for public participation and education (Attachment F). The RFP is intended as a vehicle for supporting the CAC, i.e., meetings, newsletters, special events. Bisterfeld explained that it would allow contract support if needed by the CAC. Dan Ashe and Dirk Frankenberg stated that they want it made clear that the CAC will be given a charge. The RFP does not supersede CAC's authority, but it is merely a mechanism, if the CAC chooses, for supporting CAC goals. Likewise, the public participation specialist is not to supersede the CAC role, but is a vehicle for accomplishing their mission. Ravan agreed that the RFP is not mandatory; but it is an option available to the CAC and PC. Ravan emphasized that it is the responsibility of the Program Executive Director and the Public Participation Specialist to work with the CAC in accomplishing CAC objectives.

VII. Data Management

Rader reported that the TC has approved the LRIS as the data management system. He reported that he recently attended a meeting in Atlanta with EPA staff and an EPA national level consultant. The consultant had expressed concern that the data management part of the program is underfunded. Fifteen percent of the overall funding will not accomplish EPA-OMEP's goal of characterization. The PC needs to look at the program allocation percentages. Rader said he intends to move monies into an intra-agency account until a memorandum of agreement is approved. Ravan asked that Rader write down what the data needs are and to get back to the committee.

Motion. Ravan made a motion to accept LRIS as the repository of information. Ashe seconded the motion. The ayes carried. Motion approved.

Costlow requested that Robert J. Monroe, retired statistician from N.C. State University, be invited to discuss the data management aspects of the program in non-technical terms. Rader is to arrange for a meeting among the data management participants.

VIII. External Funding Sources

Doug Rader distributed a paper describing external sources of funds identified with potential importance to the APES program (Attachment G). Discussion ensued on the need to have continuing efforts to identify and communicate with these organizations.

IX. New Business

Cross made the following motion.

Motion. Each October there will be a workshop between the funded contractors, the PC, TC, and the CAC, to evaluate research progress to date and to effect better communication and coordination among all program participants. Subsequent to that workshop, the TC will reevaluate, annually, information acquisition priorities by December 31st of that calendar year, so that these revised priorities can be used for the next funding cycle.

Costlow seconded the motion. The ayes carried. Motion approved.

Ravan announced that EPA Headquarters is making plans for a national estuary meeting. The time and location are not yet known.

Gantt asked if a summary will be published of the public participation meeting held February 14, 1987. Rader said he is currently pulling materials together on the meeting. Rader also noted that there is interest in having another public meeting in the late summer for the public.

Costlow and Ravan supported the concept of putting together a meeting with key persons involved in the budget process in estuarine related programs. Prospective organizations would meet and discuss possible funding sources and alternatives for the program. Doug Rader was directed to begin organizing such a meeting.

Costlow offered to work on possible suggestions for a program logo. He will get back to the committee with some suggestions.

Ravan complemented Doug Rader on his outstanding contribution and presentation at the public participation meeting. Ravan noted that Rader's presentation pulled together key issues and concerns in the Sounds.

A date for the next meeting will be announced.

The meeting adjourned at 3:40 p.m.

List of Attendees

Policy Committee Members

Dan Ashe
John Costlow
Ford Cross
Dirk Frankenberg
Mike Gantt
Jack Ravan
Tommy Rhodes

Technical Committee Members

Bruce Barrett
Ernie Carl
Tom Ellis
Jim Stewart

Other Attendees

Jerad Bales
Ted Bisterfeld
Bill Cole
Marguerite Duffy
Walton Jones
Dave McNaught
Todd Miller
Doug Rader
Sally Turner

APES

APR 21 1987



SCI DATA SYSTEMS, INC.

530 College Parkway • Suite N • Annapolis, MD 21401

MEMORANDUM
MD-87-171-M101

TO: Policy Committee Members
Albemarle/Pamlico Sound Project

FROM: Marguerite A. Duffy *Marguerite A. Duffy*

DATE: April 16, 1987

SUBJECT: Proceedings of the March 17, 1987 Policy Committee Meeting

CC: Technical Committee Members
Meeting Participants

Doug Rader requested that I send you the attached minutes from the March 17, 1987 Policy Committee meeting.

Please let us know of any modifications or your approval at the next Policy Committee meeting.

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APCS

APR 21 1987



State of North Carolina
Department of Natural Resources and Community Development
512 North Salisbury Street • Raleigh, North Carolina 27611

James G. Martin, Governor

S. Thomas Rhodes, Secretary

March 5, 1987

M E M O R A N D U M

TO: Interested Citizens

FROM: Doug Rader, Program Coordinator *DR*
Albemarle-Pamlico Estuarine Study

SUBJECT: Draft Work Plan

Public involvement is crucial to the success of the Albemarle-Pamlico Estuarine Study. Program staff members were gratified by the enormous display of interest in the project on February 14 in Beaufort County, and are committed to involvement of citizens in the planning process throughout the life of the project.

Enclosed is a copy of the DRAFT Work Plan for the Albemarle-Pamlico Estuarine Study. We would greatly appreciate your comments on this document, including those directed at the general structure and relative emphasis on different programs (information acquisition, information management, public involvement).

Thank you for your interest in the Albemarle-Pamlico Estuarine Study. Please transmit written comments to me by March 31, at

Albemarle-Pamlico Estuarine Study
Dept. of Natural Resources & Community Development
P. O. Box 27687
Raleigh, NC 27611-7687
(919) 733-5083

DR:kn

Enclosure

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State of North Carolina
 Department of Natural Resources and Community Development
 512 North Salisbury Street • Raleigh, North Carolina 27611

James C. Martin, Governor

S. Thomas Rhodes, Secretary

March 5, 1987

MEMORANDUM

TO: Potential Contractors

FROM: Douglas N. Rader, Ph.D., Program Coordinator *DMR*
 Albemarle-Pamlico Estuarine Study

SUBJECT: Draft Work Plan

The initial planning process for the Albemarle-Pamlico Estuarine Study has benefitted greatly from the expertise of numerous scientists and technically-trained resource managers. We feel that the thoroughness of this process has resulted in a draft Work Plan which reflects the program's commitment to management, but is still scientifically rigorous. A copy is enclosed for your perusal.

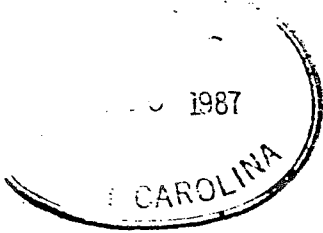
Requests for proposals for work under the Albemarle-Pamlico Estuarine Study will be going out by April 1. The time available for responses will be short — by May 1 a preliminary application is due to EPA in Washington and by June 1, a final application (with contractors identified) must be submitted. Proposals will be due about May 1, 1987. Therefore, please consider the material included in Chapter IV of the Work Plan to be strongly reflective of the substance of the forthcoming Request for Proposals. That is, proposals may be roughly designed on the basis of this document. Specific funding limitations, formats, etc. are being planned and should be approved by the Policy Committee on March 17. In general, formats for this program will be similar to that used by the Water Resource Research Institute.

Thank you for your interest in this important program. Please feel free to consult program staff at

Albemarle-Pamlico Estuarine Study
 Dept. of Natural Resources & Community Development
 P. O. Box 27687
 Raleigh, NC 27611-7687
 (919) 733-5083

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DRN:kn



The NOAA Estuarine Programs Office
The U.S. Environmental Protection Agency
The U.S. Fish and Wildlife Service

Present An

ESTUARY-OF-THE-MONTH SEMINAR

ALBEMARLE/PAMLICO SOUNDS
(Issues, Resources, Status, and Management)

April 9, 1987

U.S. Department of Commerce
Room 4830
14th and Constitution Avenue, N.W.
Washington, D.C. 20230

Morning Session

- WELCOME AND INTRODUCTION 9:00 a.m.
NOAA Estuarine Programs Office
- CONGRESSIONAL VIEWS 9:10 a.m.
- INTRODUCTION AND OVERVIEW 9:30 a.m.
Ford A. Cross, NOAA, NMFS
Southeast Fisheries Center
- DESCRIPTION OF THE NATURAL SYSTEM 9:45 a.m.
B. J. Copeland,
North Carolina State University
- WILDLIFE RESOURCES 10:15 a.m.
L. K. "Mike" Gantt,
U.S. Fish and Wildlife Service
- FISHERIES, PAST, PRESENT, AND FUTURE 10:45 a.m.
William T. Hogarth, North Carolina
Division of Marine Fisheries
- WATER QUALITY ISSUES 11:15 a.m.
Doug Rader, North Carolina
Division of Environmental Management

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LUNCH - 11:45 a.m. - 1:15 p.m.

Afternoon Session

MULTIPLE USE CONFLICTS Michael K. Orbach, East Carolina University	1:15 p.m.
NORTH CAROLINA'S COASTAL ZONE MANAGEMENT PROGRAM Dave Owens, North Carolina Division of Coastal Management	1:45 p.m.
THE IMPORTANCE OF LOCAL LAND USE PLANNING TO ESTUARINE MANAGEMENT Jonathan Phillips, Arizona State University	2:15 p.m.
THE ALBEMARLE-PAMLICO ESTUARY PROGRAM Sally Turner, U.S. Environmental Protection Agency	2:45 p.m.
WHERE DO WE GO FROM HERE? John Costlow, Duke University Marine Laboratory	3:15 p.m.
DISCUSSION AND CONCLUDING REMARKS Ford A. Cross, NOAA, NMFS, Southeast Fisheries Center	3:45 p.m.

PROPOSED
ALBEMARLE-PAMLICO ESTUARINE STUDY
CITIZENS ADVISORY COMMITTEES

PAMLICO REGION

<u>NAME</u>	<u>COUNTY</u>
Alton Ballance	Hyde
Grace Bonner	Beaufort
Ralph Buxton	Dare
Randolph Carpenter	Beaufort
Ernie Larkin	Pitt
Dick Leach	Beaufort
Neal Lewis	Carteret
Willy Phillips	Beaufort
Clark Rodman	Beaufort
John Spagnola	Pitt
Garland Strickland	Nash
Fred Bonner	Wake
Jerry Cox	Beaufort
Keith Hackney	Beaufort
Garvin Hardison	Pamlico
Susan Hardison	Beaufort
John Hill	Beaufort
Tim Hodges	Hyde
Ralph Jarvis	Hyde
Bryant Kitrell	Pitt
Katie Morris	Carteret
Doug Nelson	Craven
Debbie Noltemeier	Beaufort
Bill Paul	Pamlico
Tom Quay	Wake
Stuart Shinn	Pitt
Gary Smith	Beaufort
Bradley Styron	Carteret
Frank Summercamp	Beaufort
Buddy Swain	Craven



State of North Carolina
 Department of Natural Resources and Community Development
 512 North Salisbury Street • Raleigh, North Carolina 27611

James C. Martin, Governor

March 17, 1987

S. Thomas Rhodes, Secretary

Mr. Lloyd Ballance
 Town of Kill Devil Hills
 P. O. Box 719
 Kill Devil Hills, North Carolina 20948

Dear Mr. Ballance:

The Albemarle-Pamlico Estuarine Study is a joint effort of the State, the Federal Government, and local interests, intended to foster effective management of the very valuable, productive resources in the major estuaries of northern and central North Carolina. It will combine scientific research and evaluation of potential management alternatives to facilitate the long-term productivity of our estuarine waters.

This project can achieve its full potential only with widespread public support. Two regional citizens advisory committees are being appointed whose elected chairperson will have direct voting authority on the committee which will review funding priorities and project selection. A more informal public participation process will also occur, whereby all actions and studies recommended in the project will receive widespread comment in order to incorporate the wishes of the citizens of our state. Input from local officials, special interest groups, and researchers will assure full involvement of diverse segments of the community.

You have been nominated, recommended, and approved by the Policy Committee for the study to serve on the Albemarle Citizens' Advisory Committee (CAC). The basic responsibilities of members of this committee are to provide a mechanism for structured citizens' input into the Albemarle-Pamlico Estuarine Study from their respective regions and to assist in the dissemination of information relevant to or developed by the Albemarle-Pamlico Estuarine Study in their respective regions. A copy of the charge to the Citizens' Advisory Committees, approved by the Policy Committee, is attached.

Members will review all documents and materials produced by the Albemarle-Pamlico Estuarine Study and take such initiatives as are necessary and appropriate, in conjunction with the other activities of the Albemarle-Pamlico Estuarine Study, to ensure adequate citizen input from affected and interested constituencies in their regions. Meetings will be held in the affected regions at least twice yearly.

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This project represents a unique opportunity for a partnership to be developed, incorporating scientists, resource managers, local officials, and citizens groups to work together to protect our natural heritage and ensure the long-term productivity of our estuaries and the human uses they support. We hope you will accept this appointment. To do so, please indicate your acceptance on the enclosed form and return to the Project Coordinator, Dr. Douglas N. Rader, at

Albemarle-Pamlico Estuarine Study
Dept. of Natural Resources & Community Development
P. O. Box 27687
Raleigh, NC 27611-7687

Dr. Rader can furnish additional information at your request
(919-733-5083).

Sincerely,

S. Thomas Rhodes
Co-Chairman, Policy Committee

Attachment

RESOLUTIONS

PASSED AT THE FEBRUARY 13, 1987
MEETING OF THE POLICY COMMITTEE

RESOLUTION: Let it be resolved that a major objective of the Albemarle Pamlico Estuarine Project will be to make a special effort to keep the State Legislature, press, media, and public informed about the study and related activities. These efforts should be coordinated by a dedicated Public Relations specialist co-located in the Program Coordinator's Office.

RESOLUTION: Let it be resolved two Citizens Advisory Committees (CAC) shall be established for development and maintenance of communication and public participation programs for Albemarle and Pamlico Sounds.

There shall be one committee representing the Albemarle Sound region and one committee representing the Pamlico Sound region. Each committee shall be composed of representatives as follows:

1. Public Official (2)
2. Educator
3. Tourism
4. Developer
5. Hunting and Fishing
6. Commercial Fishing Industry
7. Agriculture
8. Industry
9. Environmental Group
10. Coastal Engineer/Surveyor
11. Private Citizen (4)

The purpose of the CAC is to provide a means for structured citizen input to the Program and to assist in the dissemination of program information. However, other means for public input to the program, such as public hearings, shall be used as necessary or appropriate to complement the structured input of the Citizens Advisory Committees.

The general charge to the Citizens Advisory Committees shall be:

1. To provide a mechanism for structured citizens' input, including providing recommendations, into Albemarle-Pamlico Estuarine Study process from their respective regions; and
2. To assist in the dissemination of information relevant to or developed by the Project in their respective regions.

More specifically, the Citizens Advisory Committees shall:

1. Elect a Chairperson for their respective committee. The two Chairpersons shall be members of the Technical Committee (TC).

2. Report at each meeting of the TC, through their respective Chairperson.

3. Review all documents and materials produced by Albemarle-Pamlico Estuarine Study. They shall include the results of such review in the Chair's reports to the TC.

4. Take such initiatives as are necessary and appropriate, in conjunction with the other activities of Albemarle-Pamlico Estuarine Study, to ensure adequate citizen input from affected and interested constituencies in their regions.

5. Meet at their own discretion, but at least twice yearly, in locations convenient to the citizenry of their regions.

The functions of the Citizens Advisory Committee may include, but are not limited to, the following:

1. Organize and sponsor public meetings at the direction of the Technical Committee.

2. Develop a public information program to educate the public regarding the Albemarle-Pamlico Estuarine Study.

3. Organize and sponsor workshops at the direction of the Technical Committee.

4. Coordinate local press releases regarding study results.

5. Prepare news for eventual publication of Study newsletter.

INFORMATION AND COMMUNICATIONS SPECIALIST III

DESCRIPTION OF WORK

This is public relations work involving directing a broad public information program in a state agency.

Employees plan and coordinate the varied public information activities for an agency or institution which may involve supervising lower level specialists or clerical workers, assisting in formulation of policies for agency programs, and assembling and composing publications and promotional materials. Work is performed under the general supervision of the agency head or higher level administrative official and is evaluated for overall program effectiveness.

EXAMPLES OF DUTIES PERFORMED

Develops and implements information programs designed to acquaint the mass media with agency goals and objectives.

Maintains contact with newspapers, news services, radio and television stations, and other media for dissemination of materials.

Drafts speeches for public dissemination by agency personnel; occasional serves as agency representative and speaker to civic organizations, business groups, and other agencies to promote and explain agency programs.

Edits periodic publications of the agency; writes materials for the publications and performs a variety of tasks in connection with makeup and distribution.

Prepares special reports and projects such as the agency annual report, State Fair exhibits, and research data and needed information for the General Assembly.

Performs related work as required.

RECRUITMENT STANDARDSKnowledges, Skills, and Abilities

Thorough knowledge of journalistic principles and techniques for disseminating information to the public through a variety of media.

Thorough knowledge of the methods of planning, writing, and editing publications.

Considerable knowledge of the principles and methods of planning an agency public information program.

Ability to write according to correct English usage and accepted standards for magazine and press publications.

Ability to edit and analyze information materials prepared by others.

Ability to establish and maintain effective working relationships with representatives of the communications media and the general public.

Minimum Education and Experience

Graduation from a four-year college or university preferably with a major in journalism or English and four years experience in communications, public relations, or publicity work; or an equivalent combination of training or experience.

DRAFT
3/16/87

Request for Proposal

Public Education and Information

Albemarle-Pamlico Estuary Study (APES)

Public education and information is an integral part of APES. The primary long-term continuing goals of the public education aspects of the project are:

- 1) To provide a forum with the general public in the region through workshops, lectures, information pamphlets, and regular publications whereby an ongoing dialogue on the sounds and the APS project can be maintained.
- 2) To translate and disseminate the scientific results of the study into a form which can be understood and used by local, state, and national regulatory agencies, planners and legislators.

In FY 87 the project will not have progressed far enough to address the second goal; however, there is a need to communicate to the public the scientific, management and public participation goals of the project to provide a background for the results which will be available in the future. Therefore, a FY 87 public education and information goal will be to heighten public awareness about Albemarle and Pamlico Sounds in general, with some emphasis on current management issues and scientific results of the past.

Two Citizens Advisory Committees (CAC) have been formed in the region, one representing the Pamlico Sound area and one representing the Albemarle Sound area (see attached list). The functions of the CACs include but are not limited to:

1. Disseminate information relevant to or developed by the Albemarle-Pamlico Sound Study
2. Organize and sponsor public meetings at the direction of the Technical Committee
3. Develop a public information program to educate the public regarding the APS Study
4. Organize and sponsor workshops at the direction of the Technical Committee
5. Coordinate local press releases regarding study results
6. Prepare news for eventual publication of an APS newsletter.

All public information efforts will be coordinated through the two CACs.

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TASKS

Provide direct support to the APES study under direction of the Policy Committee to meet the long-term continuing goals as stated above. Such program support shall be provided mainly within the study area but shall also include activities targeted to persons/parties outside of and not immediately affected by the study.

Specific public education and information efforts to be implemented during FY 87 are:

- 1) Production of a quarterly newsletter to inform the public initially on the purpose and goals, and ultimately on the progress and results of the study.
- 2) Four one-day public meetings which will enable scientists, managers, and the public to exchange ideas and information on the scientific, management and public participation goals of the APS Study. Two workshops will be in the Albemarle Sound region and two will be in the Pamlico Sound region.
- 3) Articles written about specific Albemarle-Pamlico Sound issues for insertion in trade and special interest publications and to distribute via the newsletter mailing list.
- 4) Production of public service spots about the Sounds for local electronic media broadcast, to include announcements of public meeting schedules and locations.
- 5) Production and distribution of buttons (APES) T-shirts, posters, and other materials which will serve to heighten public awareness about the Study.

To accomplish the tasks, efforts should be directed towards promoting the CAC functions and conversely, by utilizing the CAC within the study guidelines.

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EXTERNAL FUNDING RESOURCES: STATUS REPORT

Several "external" sources of funds have been identified with potential importance to the Albemarle-Pamlico Estuarine Study. Those include:

1) U.S. Geological Survey

USGS has access to up to \$500,000 per year for work done in cooperation with the Albemarle-Pamlico Estuarine Study. This money has a 50/50 match requirement. Jim Turner believes that much of it can be retained until the N.C. Legislature allocates state matching funds before July 1, 1987, but that some of it will be reallocated after April 1. A letter has been sent to Mr. Turner reiterating our interest in matching these funds for collaborative research (attached). The amount requested from the legislature is adequate to match EPA ($\$700,000 / 3 = \$233,333$ match) and \$266,667 of the USGS amount, if the full amount is obtained.

2) Special Grant to Coastal Management

The Division of Coastal Management will apply shortly to NOAA for its \$500,000 awarded as a special planning grant for liaison with the Albemarle-Pamlico Estuarine Study. A predraft Request for Proposals is attached. Grants will be made for water quality-related planning efforts in the CAMA counties in our study area. Coordination between the Division of Coastal Management and the Albemarle-Pamlico Estuarine Study will occur, but the money is Division of Coastal Management money.

3) U.S. Army Corps of Engineers

The COE Eastern North Carolina Above Cape Lookout Study has approximately \$100,000 of its total \$660,000 earmarked for liaison with the Albemarle-Pamlico Estuarine Study. Larry Saunders has stated that COE is interested in land use work, but that an application has to be made to headquarters. It is not clear how much money actually will be available for this effort.

4) Department of Natural Resources & Community Development

NRCD has requested other funds from the legislature to accomplish several specific management-related coastal water quality evaluations that will supplement the Albemarle-Pamlico Estuarine Study funds. These include shellfish bed surveys, coastal reclassification studies and nonpoint source controls (totalling over \$2 million for 1987). The NRCD budget request is attached.



State of North Carolina
 Department of Natural Resources and Community Development
 512 North Salisbury Street • Raleigh, North Carolina 27611

James G. Martin, Governor

March 9, 1987

S. Thomas Rhodes, Secretary

Mr. Jim Turner
 U.S. Geological Survey
 P. O. Box 2857
 Raleigh, North Carolina 27602

Dear Jim:

The North Carolina Department of Natural Resources and Community Development is deeply committed to working with other state and federal agencies to maximize the effectiveness of the Albemarle-Pamlico Estuarine Study. As you know, initial planning phases of the study must be completed and contractors identified and interagency agreements finalized by June 1, 1987. The USGS has served a keystone role in this planning process. We assume that collaborative work between DNRCD and USGS will provide an equally pivotal function in execution of the research design for the study.

The difficulty in characterizing this role is purely practical: scheduling constraints preclude our commitment of funds at this time. The Governor has requested \$500,000 for this fiscal year from the legislature to match federal funds for the Albemarle-Pamlico Estuarine Study. This money is intended to match both EPA (\$700,000 with 5% or 25% match requirement) and USGS (\$500,000 with 50% match requirement), when other specified budget items are included (shellfish bed mapping, marina studies and reclassification studies). Until the legislature acts on a final budget (most probably in June), we will not know specifically how much money is available for match.

Nonetheless, we have worked closely with your staff to target areas of investigation where the expertise and experience of USGS would prove invaluable to this study. We have identified areas of mutual interest where rigorous science can yield the management-pertinent results so badly needed in this region. These areas include water quality and its relationship to human activities (e.g. in the draft Work Plan for the study, II C4, C5, E1, E2, E3, E5) and work on sediment and implications of modification of sediment dynamics by human activities (e.g. II E4, E6). This work will cost at least \$500,000 per year. We are evaluating the possibilities for in-kind collaboration to supplement cash match available from the legislature, on an ongoing basis.

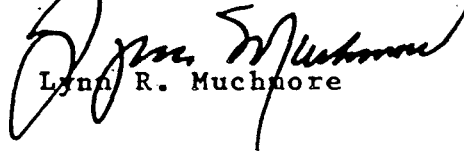
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Mr. Jim Turner
March 9, 1987
Page 2

Please inform your agency chiefs that the APES has a strong commitment to collaborative work with USGS. We would hope, noting the present uncertainty in fund availability and your need to commit your existing moneys, that you are able to retain at least \$250,000 for this effort.

Thank you for the hard work you and your staff have contributed to the Albemarle-Pamlico Estuarine Study. Continued cooperation can greatly enhance the significance of this endeavor. We look forward to working closely with you throughout the course of the project.

Sincerely,



Lynn R. Muchmore

DRAFT

NOTICE OF AVAILABILITY OF FUNDS

PAMLICO/ALBEMARLE WATERSHED

FUNDS AVAILABLE

The North Carolina Coastal Management Program anticipates funds being available for a special grant award for fiscal year 1987-88. This award is for approximately \$500,000 and is earmarked for helping local governments achieve the objectives of the EPA sponsored Pamlico/Albemarle Estuary Study underway now. While the detailed goals of this study are not known at this time, it will focus on improving and enhancing water quality in the Pamlico/Albemarle Watershed.

ELIGIBLE APPLICANTS

Local governments within the Pamlico/Albemarle Watershed which are also within the Coastal Area as defined by G.S. 113A-103. The following counties and municipalities therein may apply for funds to improve or enhance water quality at the local level: Currituck, Camden, Pasquotank, Perquimans, Chowan, Gates, Hertford, Bertie, Washington, Dare, Beaufort, Tyrrell, Hyde, Pamlico, Craven, and Carteret.

GRANT PERIOD

1 October 1987 - 30 September 1988

ELIGIBLE PROJECTS

Local Government Planning and Management Grants - \$100,000 is anticipated in this category. Grants will be 70% of the project total; local government meets a 30% share. Eligible projects include those which will enable local governments to minimize water degradation at the local level. Examples might include revising subdivision regulations to require large lots/open space adjacent to surface waters; revising or developing land management ordinances to minimize development adjacent to water bodies; developing a storm water management plan that would reduce rapid runoff and focus on water retention; revision to local public facility extension policies which would direct development away from waterways or development of an allocation system for future sewage system tap-ons.

Construction Grants - \$200,000 anticipated with \$50,000 maximum grant matched by local government share of 30%. Eligible projects include those which will result in minimizing water quality degradation. Examples might include construction/reconstruction of storm water drainage systems so as to redirect surface water runoff; improving sewage treatment capacity for public sewage systems; correcting deficient sewage treatment capacity.

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Land Acquisition Grants - \$200,000 anticipated with \$50,000 maximum grant matched by local government share of 30%. Eligible projects include those which will result in minimizing water quality degradation. Examples might include purchasing waterfront property for greenspace public uses,

In all categories of grant awards, demonstration projects will be given priority consideration. Demonstration projects, while accomplished at a specific local government level, must be applicable to other local governments within the region. As part of this type project, the applicant should describe the demonstration value to be achieved and the benefits that will accrue to other local governments.

While local governments may apply for more than one project, it is not anticipated that any local government will receive more than one grant award.

APPLICATION PROCESS AND ASSISTANCE

Interested local governments should use the attached application for planning and management grants.

Applications for construction projects should be in brief narrative form clearly identifying (1) the project proposal (2) expected results (3) a work plan for the projected time period including significant benchmarks and (4) budget summary. Supplemental graphics may be included but the total application should not exceed 8 pages.

Applications for land acquisition should also be in brief narrative form clearly identifying (1) the proposal (2) expected results (3) a work plan for the projected time period including significant benchmarks (4) a budget summary and (5) vicinity map of the property to be acquired. The total application should not exceed 6-8 pages.

USCOE

EASTERN NORTH CAROLINA ABOVE CAPE LOOKOUT STUDY

STATUS OF STUDIES - JUNE 1986

1. AUTHORIZATION - Section 208 of the Flood Control Act of 1965 (P.L. 89-298) called for "surveys for flood control and allied purposes, including channel and major drainage improvements, and floods aggravated by or due to wind or tidal effects ... for all streams flowing into the sounds of North Carolina between Cape Lookout and the Virginia line, except those portions of the Neuse, Pamlico, and Roanoke Rivers above the estuarine reaches."
2. STUDY AREA - The study area includes about 5,800 square miles and consists of all or portions of the 17 counties surrounding Albemarle and Pamlico Sounds in northeastern North Carolina.
3. NATURE OF PROBLEMS - Flooding and drainage problems occur at various locations in the study area. More than half the study area is subject to flooding from wind tides and local runoff. Large-scale agricultural projects and potential peat mining have in recent years created the potential for adverse impacts to biological productivity of the sounds due to runoff of nutrients, herbicides, pesticides, and large volumes of fresh water which may lower salinities in nursery areas. Shoreline erosion, saltwater intrusion, and water supply are issues of localized concern.
4. VIEWS OF STUDY SPONSOR - An interagency scoping meeting held in Raleigh, NC on 6 December 1984 revealed that most agency concerns for the region fell into six major categories. These included:

a. Hydrology	d. Water Supply
b. Land Use	e. Fishery Resources
c. Water Quality	f. Terrestrial Resources

Due to the complexity and magnitude of the studies envisioned, the prevalent opinion was that a comprehensive study under the guidance of the State of NC would be required, and that various agencies would be assigned tasks relating to their expertise. The State agreed with this concept and asked that the Corps Eastern NC study address the issues of hydrology and land use, as well as flood control.

5. PRELIMINARY STUDIES - The following types of preliminary studies have been conducted:

a. Cultural resources	g. Groundwater
b. Economics	h. Hydrology
c. Environmental conditions	i. Land Use
d. Fish and wildlife	j. Recreation
e. Flood damages	k. Water Quality
f. Geology	

These studies describe current conditions based on reviews of literature, compilation of data, and limited field investigations. Data gaps have been identified and further studies are recommended. These will be summarized in a preliminary report which is currently being prepared.

6. PRELIMINARY FINDINGS -

a. Flood control: Preliminary analyses indicate a Federal interest and possible economic feasibility for flood control plans for Elizabeth City, Belhaven, eastern Hyde County, and western Hyde County.

b. Land Use: Land use changes may result in unintended but predictable changes in potential damages from floods and hurricanes, amounts and quality of wildlife habitat, water quality, sedimentation, and hydrology. Data concerning land use and conversion is, therefore, of great value to State and Federal agencies responsible for planning, conservation, development, and regulation of resources. Integration of land use data from LANDSAT imagery into the geographic information system of Land Resources Information Services (an agency of the State) could add another data layer to the growing computerized data base for the State.

c. Hydrology: The Waterways Experiment Station (WES) has a numerical model of the sounds which was developed for the Manteo (Shallowbag) Bay study. Various refinements of this model could facilitate flood hazard evaluations, describe water circulation patterns under various conditions, and/or predict transport of constituents in Albemarle and Pamlico Sounds. Collection and collation of much prototype data would be required to calibrate and verify the predictive capabilities of the model.

NRC
Expansion Budget Requests 1987-89

	<u>87-88</u>	<u>88-89</u>
I. Water Resources Management/ Public Water Supply Development (pg. 47)		
(a) State Water Resource Framework (DWR)	\$ 72,412	\$ 72,412
(b) Technical Ass't. Water Supply Planning (DWR)	202,215	278,149
50/50 Grants Local Gov't. (DWR)	(130,000)	(175,000)
Technical Ass't. (DWR)	(72,215)	(103,149)
(c) Technical Ass't. Watershed Protection	200,000	263,305
Community Assistance (DCA)	(110,000)	(148,305)
Water Quality (DEM)	(90,000)	(115,000)
(d) Agriculture Cost Share (DS&W)	1,035,800	2,035,800
Cost Share Grants to Farmers (DS&W)	(915,992)	(1,915,992)
Technical Ass't. (DS&W)	(119,808)	(119,808)
Total:	\$ <u>1,510,427</u>	\$ <u>2,649,666</u>
<u>Capital Improvements:</u>		
(e) Water, Sewer & Solid Waste Loans (SBO) (pg. 79)	\$ 40,000,000	\$ 40,000,000
II. Groundwater Protection (pg. 47)		
(a) Establishment of Groundwater Protection (DEM)	\$ 721,000	\$ 721,000
(b) Geological Description & Interpretations of Data (DLR)	165,000	208,000
LRIS	(75,000)	(75,000)
Geological Survey	(90,000)	(133,000)
(c) Groundwater Use & Availability (DWR)	173,317	173,317
Total:	\$ <u>1,059,317</u>	\$ <u>1,102,317</u>

	<u>87-88</u>	<u>88-89</u>
III. Coastal & Marine Resources		
(a) Shellfish Resource Mapping (DMF)	\$ 500,000	\$ 263,000
(b) Water Reclassification Study (DEM)	400,000	300,000
(c) Urban Runoff Study (DEM)	200,000	200,000
(d) Standards & Sampling/Marine Impacts on Water Quality (DEM)	50,000	
(e) Albemarle-Pamlico Estuarine Study (DCM) 50/50 Match/EPA Cooperative Study	500,000	500,000
(f) Coastal Water Quality (DCM) Education Initiative	40,000	50,000
Total:	\$ 1,690,000	\$ 1,313,000
<u>Capital Improvements:</u>		
(g) Shellfish Vessel Construction (DMF) (pg. 78)	95,000	
(h) Critical Natural Area Acquisition (DCM) (pg. 78)	750,000	
IV. Pollution Prevention Pays		
(a) Expand Waste Reduction Ass't. (DEM)	\$ 123,121	\$ 121,722
Grants to Business	(50,000)	(50,000)
Technical Ass't.	(73,121)	(71,723)
V. Water Quality/Permitting Backlog (pg. 47)		
(a) Permit & Toxic Expansion (DEM)	\$ 114,318	\$ 114,318
(b) Compliance, Permitting & Emergency Response (DEM)	239,727	479,466
(c) Lab Equipment (DEM)	100,000	200,000
Total:	\$ 454,045	793,784
<u>Capital Improvements:</u>		
(d) Toxic Lab (DEM) (pg. 78)	600,000	7,800,000

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