

Joan

ALBEMARLE-PAMLICO ESTUARINE STUDY
TECHNICAL COMMITTEE
MAY 10, 1989

The meeting was called to order at 10:15 by Dr. Ernie Carl. Mr. Bruce Barrett, co-chairman, was not able to attend. (Attendees list Attachment A)

I. Consideration of Minutes

A motion to approve the Technical Committee minutes of February 21, 1989 was made by Dr. B. J. Copeland, seconded by Dr. Don Hoss, and unanimously approved.

II. Director's Report

Dr. Bob Holman gave an update on the status of the program (Attachment B). He noted that OMEP must receive a yearly work plan before releasing funds to the program. The Greenville BMP early demonstration project looks good for implementation funds. The WRAL Coastal Celebration was a success (~9000 attendees). The A/P Study pamphlet was distributed during this two-day event. John Greene indicated that the event will be held again next year. Dr. Holman introduced Chuck Nilsson, the data manager for the program. Karen Siderelis gave an update on the User's Needs Assessment Report. She indicated that it is in its fourth review at this time and that copies would be made available to members of the Information Management Subcommittee for review. Ted Bisterfeld urged the Technical Committee to review this document.

Dr. Holman also presented for consideration a resolution (Attachment C) on behalf of the work provided to the Albemarle-Pamlico Estuarine Study by Ms. Marguerite Duffy. Motion to accept the resolution was made by Dr. Copeland, seconded by Mr. Paul Wilms and unanimously approved. The resolution is to be signed by the Co-chairmen of the Policy and Technical Committees.

Dr. Copeland said a draft Status and Trends Report will be available for review by mid-July. Four areas being looked at are: Critical Habitats (chaired by Dave Adams); Water Quality (chaired by B. J. Copeland); Fisheries (chaired by Bill Hogarth); and Human Environment (chaired by Dave Brower).

Dr. Carl informed the committee that the Department (NRCD) has set a policy regarding copyright of contracted materials. The policy is that for technical information developed for the Department, 10 days notice must be given to the Department prior to a researcher releasing any information.

In the case of contract work such as pamphlets, brochures, PSA's and other informational material, the Department's approval must be obtained prior to release of any material.

Dr. Carl also mentioned a publication by the WRAL Save Our Sounds program in which nine facts are listed of which no real facts are given. He has talked with John Greene regarding obtaining actual facts/data from sources such as those in NRCD. Dr. Holman said he has had very limited contact regarding the WRAL Save Our Sounds project. He was encouraged to develop more contact with WRAL particularly in reviewing information for accuracy which affects the Study area.

III. Researcher's Report - Dr. Stanley R. Riggs

Dr. Riggs, through a slide presentation, reported on his research on Heavy Metal Pollutants in the Pamlico River. Dr. Riggs reported that amounts of lead in sediment found along Washington's waterfront showed levels more than 10 times the levels that were found in sediment from undeveloped parts of the estuarine system. He added that lead apparently is the result of urban run-off. Sediment from Kennedy Creek has elevated levels of cadmium, mercury, lead and arsenic found in it. The source of those metals include city and industrial discharge and run-off from an abandoned FCX dump site which EPA is cleaning up through their Superfund program.

Dr. Riggs said some companies in the area (i.e., Texasgulf and National Spinning), have agreed to meetings with him as a result of the news releases that have come out regarding his findings.

Mr. Wilms suggested Dr. Riggs look at SARA Title II data which is a source of information on toxic discharges provided to the state by the dischargers.

Mr. Randy Waite suggested that the next stage for research would be a sediment toxicity test in certain areas.

Responding to a question regarding research in the Neuse, Dr. Riggs said testing sites will be comparable to the number in the Pamlico (~153 sites).

IV. Subcommittee Reports

A. Public Affairs Subcommittee - Dr. Michael Orbach

Dr. Orbach said that progress with the public participation projects is going well. Several products have been completed including TV spots and teacher

workshops. The Technical Review Subcommittee suggested that the Call for Proposal for FY 1990 be divided into Technical and Public Participation sections. The Citizens' Affairs Subcommittee agrees with this method. Also during the last roundtable meeting there was discussion regarding local government participation in the A/P Study. A meeting has been set with the directors of three COGs on the morning of May 23 in Washington. Topics to be covered during this meeting are how to build local government into the A/P Study; ways to maximize the effect of currently funded government liaison projects; and what can be done to increase future participation. Two principal investigators of new projects regarding public input will also be asked to attend this meeting. Other principal investigators of outreach projects are being asked to meet in Washington in the afternoon of May 23 in an effort to coordinate their activities. Also, the newsletter mail list has grown to over 9000 (this includes all local government officials).

B. Information Management Subcommittee - Mr. Randy Waite

Mr. Randy Waite has agreed to chair this subcommittee. He has been meeting today with LRIS and the Program Director to get a feel for what has taken place so far.

C. Technical Review Subcommittee/Monitoring Subcommittee - Mr. Paul Wilms

Mr. Wilms reported on the activities of both committees in the absence of Jim Turner, chairman of the Technical Review Subcommittee. A joint meeting to discuss the monitoring issue was held on April 24 and another joint meeting will take place.

The Monitoring Subcommittee will review monitoring proposals in the future but will address their comments to the Technical Review Subcommittee.

The Monitoring Subcommittee will begin at its next meeting to spend more time overseeing the demonstration projects. Regarding a request from the Policy Committee that a workshop be held on monitoring, the subcommittee did not feel a workshop was necessary. Jerad Bales of USGS, with funds from the A/P Study, has published a report entitled "A Bibliography of Hydrologic and Water-Quality Investigations Conducted in or Near the Albemarle-Pamlico Sounds Region" and any researcher can check that listing to see if their databases are listed and if not the report can be updated. The subcommittee suggested that monitoring be a topic covered as part of the Annual Researchers Review Workshop this fall.

The Annual Researchers Review Workshop will be held on September 14 with a social/dinner the night before.

Mr. Wilms said that an action item for this subcommittee will be to convene the resource managers to develop a list of action items for resource managers now. This was suggested at the last roundtable meeting.

It was suggested that monitoring be added as a separate line item in the A/P Study budget. However, this was tabled until it could be determined if additional funds can be obtained for the next funding cycle. Dr. Holman said that through negotiations with researchers, \$100,000 had been made available to continue the USGS monitoring efforts. Dr. Copeland said that NRCD needs to have this as a high priority in their budget to the Legislature and that the Policy Committee needs to figure out how to continue the monitoring effort.

There was continuing discussion regarding the deficiency of the monitoring effort in general in the system. It was noted that monitoring will be further discussed on September 14 at the Annual Researchers Review Workshop.

The Monitoring Subcommittee and Technical Review Subcommittee recommended that the next Call for Proposals be more specific regarding the areas in which research is needed.

V. Progress Report for 1989 - Dr. Holman

Dr. Holman said that the report had been mailed to all committee members the first week of April. The program is on target with the milestones listed for the Study.

VI. Priority Action Plans - Dr. Holman

Dr. Holman briefly noted the status of these plans:

- (1) Merchant Mill Pond is proceeding smoothly;
- (2) OMEP has tentatively agreed on the VA/NC projects [Virginia Animal Waste Management Proposal for the Chowan River Basin and NC Solid-Set Waste Management Systems). There have been joint meetings held and a meeting is scheduled for May 22 in Chesapeake.
- (3) A funding contract with Virginia was sent out on May 9 for their signature.

VII. Review Meeting Schedule

The Policy Committee has suggested a possible meeting in June or July. Dr. Holman said he would put together the calendar

for the coming year to present to the Committee at their meeting in August. Regarding the Annual Public Meeting, Tom Ellis suggested holding it in the Albemarle Region, perhaps in Williamston.

VIII. Other Comments

Dr. Holman also noted the seven libraries which are receiving reports from the A/P Study. Old Dominion will be added to the library list.

Mr. Wilms informed the committee of public hearings (Attachment D) taking place to classify eight Nominated Coastal Water Areas as Outstanding Resource Waters. He also noted that the Tar-Pamlico Nutrient Sensitive Waters Designation goes to public hearing on June 15 (Attachment E).

Ted Bisterfeld suggested that members advise the A/P Study of their agency's actions that affect the A/P system (i.e., aerial photography for the entire state being done by the ASCS).

Dr. Holman said during the first week of May a meeting was held between USGS and LRIS to provide USGS technical support for the land use mapping project.

Larry Minock said that Virginia is contracting with US FWS to do a National Wetlands inventory which should be ready in three years. During further discussion regarding wetlands, Mr. Wilms advised the committee it is likely Governor Martin will set a state wetlands policy soon.

Dr. Ernie Larkin endorsed the convening of resource managers to discuss things that can be done now. This could be presented at the next Annual Public Meeting. Dr. Copeland suggested that the CACs draft a paper for the management group to look at regarding things they believe can be done.

Mr. Bill Cole reported on the Striped Bass Management Board meetings. Dr. Holman is on the mail list to receive all reports. A plan is being finalized for distribution. During this discussion, it was noted that the spawning and egg viability for this year does not look good due to the Army Corp and VEPCO not following the flow regimen agreed to last year due to the heavy spring rains this year.

Don Hoss said that the Coastwatch Monitoring Report mentioned by Ted Bisterfeld has come about as a result of the red tide that hit NC in 1987. He did not know much about it but a pilot effort is being done in the A/P area.

Dr. Copeland said he would send the committee a copy of a news release on Pietrafesa's analysis on calculations of the chances red tide will hit NC again.

It is not anticipated that the Legislative Oversight Committee for the A/P Study will come before the Legislature until the end of the session.

The next meeting of the Technical Committee is to take place on August 22. The meeting adjourned at 2:35 p.m.

Attendees

ATTACHMENT A

Technical Committee - May 10, 1989

<u>Name</u>	<u>Agency</u>
Gen Sealand	A/P Study Staff
MIKE ORBACH	ECU
Ernie Carl	NRCO
R. Paul Wilbur	NRCID - DEM
CHUCK NISSON	A/P STUDY STAFF
Ernie Parker	P-CAC
Don Hoss	NOAA - WATER NMFS
Robert Holman	A/P Study Staff
LARRY MINOCK	Va Council on the Environment
Ted Bostfield	USEPA Region 4
DAVID W SIDES	USW - NRCO
Tom Ellis	NC Dept of Agriculture
Cecil W. Dutton	USDA - SCS
James M. Stewart	WRRI
B. J. Copeland	UNC Sea Grant
Bill Cole	US FWS
Stan R. Liggs	ECU - Geology
FRED WHITE	NRCO DFR
Karen Siderelis	NRCO / LRIS
George Everett	NRCO / DCM
RANDALL G. WAITE	EPA, REG. 3
RICHARD B. HAMILTON	WRC
Healy Norris	A/P Study

ALBEMARLE-PAMLICO ESTUARINE STUDY

DIRECTOR'S REPORT

TECHNICAL COMMITTEE

MAY 10, 1989

- 1) FY 1989 BUDGET
 - a) Approved at Policy Committee meeting March 15, 1989
 - b) March 29 - Citizen Involvement Subcommittee discussed public participation projects with 9 proposed authors
 - c) April 3 - Technical Review Subcommittee discussed information acquisition projects with 15 proposed researchers
 - d) Finalizing cooperative agreements week of May 8
 - e) Annual Work Plan for OMEP tentatively approved and funds being transferred to EPA Region IV Office
- 2) EARLY DEMONSTRATION PROJECTS
 - a) All five proposed projects have been revised based on April 3 review and follow-up conversations
 - b) Projects submitted to OMEP on April 21 for review
- 3) WRAL COASTAL CELEBRATION
 - a) April 8-9, 1989
 - b) N. C. State Fairgrounds (Kerr Scott Building)
 - c) Joan manned exhibit April 8 (Saturday); Bob manned it April 9 (Sunday)
 - d) Events were traditional entertainment, crafts, seafood and coastal education exhibits
 - e) Approximately 10,000 people visited Celebration during two days
 - f) Our new pamphlet was first available for this event
- 4) DATA MANAGEMENT
 - a) Data manager (A/P Study GIS Coordinator) is Chuck Nilsson who started March 27, 1989
 - b) Already talked to some researchers about integrating their data into the system (Riggs, Perlic)
 - c) Added an addendum to the User's Needs Assessment Report (Functional Description)
 - d) Karen Siderelis (LRIS) give short presentation on results of User's Needs Assessment Report
 - e) Showed a map product of LRIS on population trends from 1970 to 1980 in study area based on census data to CAC during last meetings (ACAC 5/2; PCAC 4/19)
- 5) STATUS AND TRENDS SCOPING REPORT
 - a) Project was funded April 1, 1989 and to be completed October 30, 1989
 - b) First meeting of the four team leaders took place April 27 and will follow up with all team members on May 15
- 6) 1989 PROGRESS REPORT
 - a) Sent to all committee members and researchers first week of April
 - b) Format this year from comments of OMEP from June 22, 1988 presentation in Washington, D. C.

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

James G. Martin, Governor

William W. Cobey, Jr., Secretary

RESOLUTION

WHEREAS, the Albemarle-Pamlico Estuarine Study (A/P Study) is a joint effort between the State of North Carolina and the U. S. Environmental Protection Agency; and

WHEREAS, the A/P Study is administered by four administrative boards. The Policy Committee and the Technical Committee are two of these boards and are made up of ten and twenty-two members respectively; and

WHEREAS, Marguerite Duffy has provided the Policy and Technical Committees with technical assistance and meeting minutes for more than 2 1/2 years.

NOW, THEREFORE, BE IT RESOLVED:

1. That the Policy and Technical Committees recognize the contribution that Marguerite Duffy performed for the A/P Study.
2. That her diligent efforts on behalf of the A/P Study will be long remembered by the individuals involved in the Study.
3. That the Policy and Technical Committees wish her well in her new endeavors.

Adopted this 10th day of May, 1989.

William W. Cobey, Co-chairman
 Policy Committee
 Albemarle-Pamlico Estuarine Study

Lee DeHihns, Co-chairman
 Policy Committee
 Albemarle-Pamlico Estuarine Study

Ernest A. Carl, Co-chairman
 Technical Committee
 Albemarle-Pamlico Estuarine Study

Bruce Barrett, Co-chairman
 Technical Committee
 Albemarle-Pamlico Estuarine Study

N. C. ENVIRONMENTAL MANAGEMENT COMMISSION
 NOTICE OF PUBLIC HEARING TO CLASSIFY EIGHT (8) NOMINATED COASTAL
 WATER AREAS AS OUTSTANDING RESOURCE WATERS (ORW)

Notice is hereby given of public hearings to be held by the N.C. Department of Natural Resources and Community Development on behalf of the Environmental Management Commission (EMC) concerning the modification of stream classifications as follows:

PURPOSE: The EMC directed the Division of Environmental Management (DEM) to initiate administrative proceedings to supplementally classify the coastal waterbodies listed below as Outstanding Resource Waters (ORW). The ORW supplemental classification is intended for those special and unique waters with excellent water quality that also demonstrate exceptional state or national recreational or ecological significance. The coastal water areas being considered for designation as ORW are: (1) Alligator River; (2) Swanquarter Bay and Juniper Bay Area; (3) Core Sound Area, including Southeastern Pamlico Sound and Back Sound; (4) Western Bogue Sound and Bear Island Area; (5) Stump Sound Area; (6) Topsail Sound and Middle Sound Area; (7) Masonboro Sound; and (8) Lower Lockwoods Folly River. Based on results of the intensive study of these areas, DEM staff are recommending that all but two of the areas be designated ORW. For the Topsail Sound and Middle Sound Area, the public hearing will provide an opportunity to document whether an outstanding recreational resource value is present. DEM staff are recommending against the designation of Lower Lockwoods Folly River, until water quality improvements can be achieved. The Management Strategies being proposed to protect the outstanding resource values of each of these areas will be summarized in the Information Package for these hearings and at the public hearings. Comments on the economic and social costs/benefits of the proposed ORW reclassifications and on the proposed Management Strategies are solicited. Should the EMC adopt the proposed standards and classifications rules changes, they will become effective January 1, 1990, and special actions taken to protect the proposed ORW areas (included in the Management Strategies) will be listed in 15 NCAC 2B .0216(e).

DATES/LOCATIONS:

June 6, 1989; 7:00 PM
 Madge Van Horn Auditorium
 Columbia High School
 Main Street
 Columbia, NC

June 7, 1989; 7:00 PM
 Joslyn Hall - Carteret
 Community College
 3505 Arendell Street
 Morehead City, NC

June 8, 1989 7:00 PM
 Bryan Auditorium, Morton Hall
 UNC - Wilmington
 601 South College Road
 Wilmington, NC

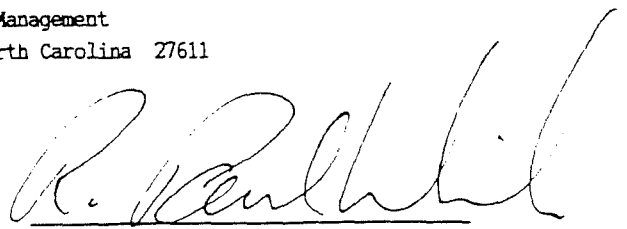
COMMENT PROCEDURE: All persons interested in this matter are invited to attend. Comments, data, statements and other information may be submitted in writing prior to , during or within thirty (30) days after the hearing or may be presented orally at the hearing. So that all persons desiring to speak may do so, statements may be limited to three minutes at the discretion of the hearing officer.

AUTHORITY: N.C. General Statutes 143-214.1, 143-215.3(A)(1), Amendments to the Schedule of Classifications and Water Quality Standards for the eight (8) nominated coastal waterbodies as listed above and as referenced in 15 NCAC 2B .0310; .0311; .0312; .0315; .0316; .0317.

INFORMATION: The Information Package and other information relevant to these hearings may be obtained by writing or calling:

Gregory J. Thorpe, Ph.D.
 Division of Environmental Management
 P.O. Box 27687; Raleigh, North Carolina 27611
 (919) 733-5083

27 April 1989
 Date


 R. Paul Wilms, Director

N. C. ENVIRONMENTAL MANAGEMENT COMMISSION

NOTICE OF PUBLIC HEARING TO RECLASSIFY THE TAR-PAMLICO RIVER
BASIN (FROM SOURCE TO A LINE ACROSS PAMLICO RIVER FROM ROSS POINT TO
PERSIMMON TREE POINT) AS NUTRIENT SENSITIVE WATERS (NSW)

Notice is hereby given of a public hearing to be held by the N.C. Department of Natural Resources and Community Development on behalf of the Environmental Management Commission (EMC) concerning the modification of stream classifications as follows:

PURPOSE: The proposal is to supplementally classify the portions of the Tar-Pamlico River Basin from the source to a line across Pamlico River from Ross Point to Persimmon Tree Point as "Nutrient Sensitive Waters" (NSW) according to the provisions of 15 NCAC 2B .0214. Nutrient Sensitive Waters are defined as those waters which are so designated (NSW) in the classification schedule in order to limit the discharge of nutrients (usually nitrogen and phosphorus). This proposal is based on Division of Environmental Management (DEM) technical evaluations indicating that the Tar-Pamlico River is subject to excessive, nuisance growth of algae and that nutrient inputs from both wastewater discharges and runoff contribute to this problem. This classification action could result in limitations on nutrients from wastewater discharges in NPDES permits. Implementation options for nutrient removal requirements will be discussed in the Information Package for this hearing and at the public hearing. Comments on the economic and social costs/benefits of the proposed classification as NSW and on the implementation options are solicited. The proposed effective date for this proposal is January 1, 1990 which is proposed to be listed in 15 NCAC 2B .0316(c)(9).

DATE/LOCATION: June 15, 1989 @ 7:00 PM
Jenkins Auditorium
Jenkins Fine Arts Center
East Carolina University
Greenville, North Carolina

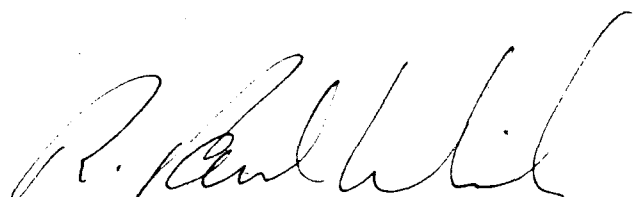
COMMENT PROCEDURE: All persons interested in this matter are invited to attend. Comments, statements, data and other information may be submitted in writing prior to, during or within thirty (30) days after the hearing, or may be presented orally at the hearing. So that all persons desiring to speak may do so, oral statements may be limited to three (3) minutes at the discretion of the hearing officer. Submittal of written copies of oral statements is encouraged.

AUTHORITY: N.C. General Statutes 143-214.1, 143-215.3(A)(1), Amendments to the Schedule of Classifications and Water Quality Standards for the Tar-Pamlico River Basin as referenced in Title 15 N.C. Administrative Code 2B .0316.

INFORMATION: The Information Package or other information relevant to this hearing may be obtained by writing or calling:

Mr. David B. Williams
Division of Environmental Management
P.O. Box 27687
Raleigh, NC 27611

27 April 1989
Date


R. Paul Wilms, Director

AGENDA

ALBEMARLE-PAMLICO ESTUARINE STUDY
TECHNICAL COMMITTEE

TIME: 10 A. M., May 10, 1989

LOCATION: Third Floor Hearing Room
Dobbs Building (adjacent to Archdale Bldg.)
Raleigh, NC

10:00 - 10:05 Call to Order Ernie Carl

10:05 - 10:10 Consideration of Minutes

/ 10:10 - 10:25 Director's Report Bob Holman

10:25 - 11:00 Researcher's Presentation

Heavy Metal Pollutants in
Organic-Rich Muds of the
Pamlico Sound Estuary

Stan Riggs
(ECU)

11:00 - 12:30 Subcommittee Reports

12:30 - 1:30 Lunch (On your own)

1:30 - 2:00 Review Progress Report for 1989

2:00 - 2:05 Review Meeting Schedule

2:05 - 2:30 Public Comment/Adjourn