MINUTES

ALBEMARLE CITIZENS' ADVISORY COMMITTEE MEETING JULY 14, 1987 COLLEGE OF THE ALBEMARLE, ELIZABETH CITY STATE UNIVERSITY

Interim Chairman Dr. Mike Corcoran called the meeting to order at 7:10 p.m. Dr. Corcoran welcomed the committee members and introduced members not present at the previous meeting. He then thanked Dr. Parker Chesson, President of College of the Albemarle, for his gracious hosting of this meeting.

Dr. Corcoran then displayed a jar of Chowan River water furnished by Capt. Al Howard, and suggested that the very obvious presence of dense blue-green algae demonstrated the importance of the APES and the CAC activities. Dr. Corcoran also passed out copies of a news story detailing the effectiveness of phosphate bans in the Chesapeake Bay watershed (Attachment A).

Dr. Corcoran began the discussion of the Draft Workplan by describing its contents. He recommended to the committee that they lobby in the future for more work directly pertinent to Albemarle Sound. Dr. Corcoran proceeded to summarize the problems identified in the workplan as they pertain to the Albemarle region. Dr. Corcoran introduced Dr. Doug Rader, Project Director, to present a discussion of the Draft Workplan for the study. Dr. Rader summarized the process that led to the Workplan (Attachment B), and described the selection process for technical proposals. He handed out a summary of the first-year technical projects (Attachment C).

Brief discussion of particular technical projects followed. Yates Barber inquired about projects directly dealing with Currituck Sound. Dr. Bill Powell asked about specifics of projects related to agricultural best management practices, and in general about insuring that approved projects and others proposed for the future integrate previous and ongoing studies from other agencies.

Dr. Rader then reported on the status of public involvement activities. He presented a handout (Attachment D) detailing the Peer Review Committee's actions in response to the first CAC meetings. Briefly, the Peer Review Committee approved funding for public involvement activities according to the number of votes each proposed project got from both CACs.

Lloyd Ballance asked about the role of the CACs, and whether they would be doing no more than hearing reports about actions already accomplished. Dr. Corcoran replied that such an appearance had resulted from the need to meet administrative deadlines. Dr. Rader replied that in fact the work of the CACs would probably be the most important part of the whole process in terms of influencing future actions.

Dr. Corcoran introduced Melva Okum from the UNC Institute for Environmental Studies to describe the specifics about public involvement activities approved for funding. Ms. Okum presented the details of projects to be initiated by her group (public service announcements and a state of the

estuary booklet), by the NC Coastal Federation (media tour and a series of workshops), and the Pamlico-Tar River Foundation (citizens monitoring network). She asked for specific help in targeting the public service announcements, both for topic and radio stations. Dr. Corcoran suggested that she work with Dr. Rader to develop a questionnaire to the CACs, which should also address specific interests of committee members. Dr. Rader stated that all products would be brought to program staff and to the CACs in draft form for approval before release.

Dr. Corcoran initiated discussion on draft procedures for the CACs (Attachment E). Dr. Rader explained that the draft presented was a combination of Policy Committee dictated statements and Pamlico CAC draft procedures, as a strawman for discussion.

Don Flowers inquired about APA open meeting requirements, including notice restrictions. Dr. Rader responded that he would verify the situation, but that the committee should assume that reasonable notice would be required until a determination is made. Earl Roundtree agreed that either a quorum or minimum notice was required. Mr. Flowers suggested that ten working days minimum be given. Capt. Howard preferred a quorum requirement.

Capt. Howard moved that committee action require a quorum of ten (approximately one-third), with simple majority of the quorum ruling. Joe Stutt's offered a friendly amendment that "ten" be modified to "one third", which Capt. Howard accepted. Lloyd Ballance seconded. After further discussion, Mr. Ballance offered a friendly amendment to include a minimum notice of ten working days, which Capt. Howard accepted. Motion carried by unanimous voice vote.

Capt. Howard addressed the issue of replacement of members for non-attendance. He suggested that a minimum meeting schedule be adopted before specific action to "remove dead wood" be considered. He suggested quarterly meetings in August, November, February, and May.

Capt. Howard moved adoption of a minimum schedule of meetings to occur in August, November, February, and May, with additional called meetings as necessary. He further moved that this meeting (July 14) served as the August meeting. John Stallings seconded. Motion carried by unanimous voice vote.

Mr. Flowers identified an error in the acting chairman hierarchy identified in Article #3. Dr. Rader explained that the presentation was flawed, that the chairman would first be replaced by the vice-chairman before resorting to any other member as appointed by the chairman. Dr. Corcoran requested the document be amended accordingly.

Dr. Parker Chesson requested that all members not present at previous meetings be mailed all minutes and handouts from those meetings. After general concurrence, Dr. Rader agreed.

Dr. Corcoran directed a discussion of the relationships between the Policy Committee, Technical Committee, and CACs. Dr. Rader presented a brief description of the makeup of each, and explained the rationale behind the current administrative structure. Much discussion followed, centered on where CAC representation should occur. Mr. Ballance asked Dr. Rader about the Pamlico CAC's response to this issue. Dr. Rader replied that they had

formed a subcommittee to examine the topic. Dr. Thomas Quay, a member of the Pamlico CAC, asked to speak, and stated that the Pamlico CAC was interested in voting representation on \underline{both} the Technical Committee and Policy Committee.

Capt. Howard resolved that the Policy Committee consider a specific request for CAC voting representation on both the Technical Committee and Policy Committee. Mr. Roundtree seconded. Mr. Roundtree emphasized that a predetermined conclusion must be avoided, that conflict between the committees must be minimized. Resolution carried by unanimous voice vote.

On the issue of the election of a permanent chairman, Mr. Roundtree felt that immediate action was required.

Mr. Roundtree moved that elections go forward tonight, with separate elections for chairman and vice-chairman. He further requested that all votes be by voice or by show of hands rather than by secret ballot. Bill Piland seconded. Motion carried by unanimous voice vote.

Terry Pratt nominated Mr. Stallings.

Mr. Barber nominated Dr. Chesson.

Capt. Howard moved the nominations be closed. Mr. Pratt seconded. Motion carried by unanimous vote.

Dr. Corcoran conducted the election by show of hands. Mr. Stallings received six votes; Dr. Chesson received ten votes. Dr. Corcoran declared Dr. Chesson to be elected permanent chairman of the Albemarle CAC.

Dr. Chesson assumed his chairmanship. He asked for nominations for vice-chairman.

Capt. Howard moved for election by acclamation for John Stallings as vice-chairman. Mr. Pratt seconded. Mr. Roundtree wondered whether election by acclamation was in keeping with his motion. Dr. Chesson ruled that the motion was in order. Motion carried by unanimous voice vote.

Dr. Chesson briefly summarized his intentions as chairman. He stated that his major role would be consensus building, since balance is required for this program to be successful. He further emphasized that all meetings would be as open as possible.

Dr. Chesson requested all possible speed on employment of the public involvement coordinator for the program. Dr. Chesson also discussed establishing subcommittees, to include an executive or steering committee. Ms. Hess agreed that committees by interest would be advantageous. Dr. Chesson continued that a speaker's bureau (as suggested by Capt. Howard) could be handled by such a committee.

Dr. Rader reminded the committee that no formal action had been completed on the draft procedures. Dr. Chesson suggested that they be retyped as amended for formal adoption at the next meeting.

Mr. Flowers so moved. Mr. Stallings seconded (with others). Motion carried by unanimous voice vote.

Dr. Chesson stated that he would consider the election of a four-five member steering committee, to include himself and Mr. Stallings to be appointed at the next meeting. He also promised that materials in the future would be prepared with adequate time for members to consider them before meetings.

Joe Stutts asked that a survey of talents and interests be conducted, to be used in the formation of subcommittees. Dr. Chesson and Dr. Rader agreed.

Dr. Chesson asked if the minutes from this meeting would be turned around within about two weeks. Dr. Rader agreed to attempt to do this.

Dr. Quay asked to speak. He described the interest of Mr. Jack Ravan, US EPA Regional Administrator, and recommended the services of Wally Jones, Mr. Ravan's PR chief.

Mr. Jones reiterated Mr. Ravan's interest and role in the formation of the study. He emphasized the importance of the public involvement effort and the CAC role. He suggested that EPA was watching APES closely for the formative stages of a similar project for the Gulf of Mexico, to be called the Gulf Initiative.

Mr. Ballance asked the committee to show its thanks to Dr. Corcoran for a job well done as interim chairman. His resolution to that affect passed by acclamation.

Committee members considered the next meeting date. First and third Mondays and third Thursdays were identified as being bad days. There was general agreement that Tuesdays were good. Dr. Chesson selected November 17 as the next meeting date.

Mr. Pratt volunteered the Roanoke/Chowan Wildlife Club near Winton in Hertford County. Mr. Stutts agreed and suggested that good food and river tours might be possible, especially if a 6 p.m. eating time was set. Dr. Chesson tentatively scheduled the next meeting for that locale.

Mr. Ballance moved adjournment. Motion passed by acclamation. Dr. Chesson adjourned the meeting at 9:30 p.m.

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JULY 14, 1987

College of the alberale, Elzabeth Cf, NC

AFFICIATION V JEHNY Pratt NCWF /APO ECU: Socology " Anthropological DAWN PARKS Leigh Winvlow Sichea Club. N.C. ALFRED M. HOWADD - Gil Piland US EVA - Atlanta, GA RC Wild I.For Cub John W. Latteng Los & water - Ranken Chesson College of the adversale U GERALD IERRY V DON Flowers Albamale Commission Eduton, nC. Murfrees 50 ro, N.C. Rob Point Elizabeth CX, aL EDENTON, NC Elizabeth Bity der. con we Elizabeth City, n. C. Gates M. Barber Caralys Des beligne nc Hoyd Bollane. Melva Okeen Rich Devis Hills, NC Mapel Hell NC haleigh M.C. The Avay Earl Rountree Sunbury NC

Ban on phosphate detergents works, state study says

By Liz Bowle

Maryland's ban on phosphate detergents has significantly cut the amount of phosphorus — a major bay pollutant — spewed into the Chesapeake from sewage plants, according to a state report released vesterday.

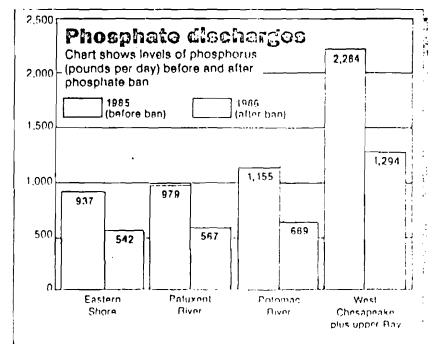
A study of the discharge from some Maryland sewage plants for six months before and after the ban took effect in December 1985 showed a decline in phosphorus averaging 16 percent to 21 percent.

It said the state was saving about \$12,000 a day because fewer chemicals were needed to treat the lower-phosphorus water.

The new stallates are likely to provide powerful cyldence for those who want to keep the ban in effect after June 30, 1988, when it is scheduled to expire unless the legislature votes next year to continue it.

"It demonstrates a greater reduction in phosphorus than we estimated in 1984," said Scott Burns, a Chesapeake Bay Foundation attorney, "And we haven't had any complaints from our 45,000 members worried about the specter of ring around the collar,"

The reduction in phosphorus was nearly twice what state health department officials predicted before the ban took effect, said Richard Sel-



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lars, director of the Water Management Administration in the state Oflice of Environmental Programs.

"It was awful hard to figure out [what the reduction would be], but we had estimated a 1 milligram per liter reduction and it was 1.9 milligram per liter of discharge," Mr. Sel-

lars said

The positive statistics on phosphorus reduction do not, however, address, whether the reductions have improved water quality in the bay's tributaries, he said.

The controversial ban on detergents containing phosphates required detergent manufacturers to change the content of the soap they sold in Maryland. By cutting the amount of phosphorus used in residential washing machines, the state was reducing the amount that went, into sever systems, and subsequently the bay.

When phosphorus gets into the bay, it acts as a fertilizer, spuring the growth of algae that deplete the water of oxygen needed for most aquatic life. Together, phospherus and nitrogen are considered the maxifor source of bay pollution.

The scap and detergent industry, including one local manufacturer, FMC, tought the ban during the 1985 session of the Maryland General Assembly. At the time, some legislators said it was the most intensive lobbying campaign they had ever experienced, with at least \$100,000 spent on about 20 lobby ists who dogged legislators, even increstaurants and bathrooms.

industry representatives claimed that detergents without phosphorus would leave clothes diagy and have no effect on the bay's declining water quality. They said it was more efficient to take out phosphorus one; it get to the sewage plants.

But advocates of the ban argued that only a small percentage of the

See PHOSPHATE, 3C, Col. 42

ATTACHMENT A

I RIDAY, JUNE 26 H

Phosphate ban said to work

PHOSPHATE, from 10

state's more than 300 plants have the technology to remove phosphorus and that most of the phosphorus entering the bay comes not from ag-riculture, and runoff from city streets, but from sewage and indus-

try pipes.
The study, released yesterday in Ocean City at a conference of waste-water and water-system professionals, was a compliation of statistics from 66 of the 300 plants statewide that don't have the tech-

noiogy to reduce phosphorus

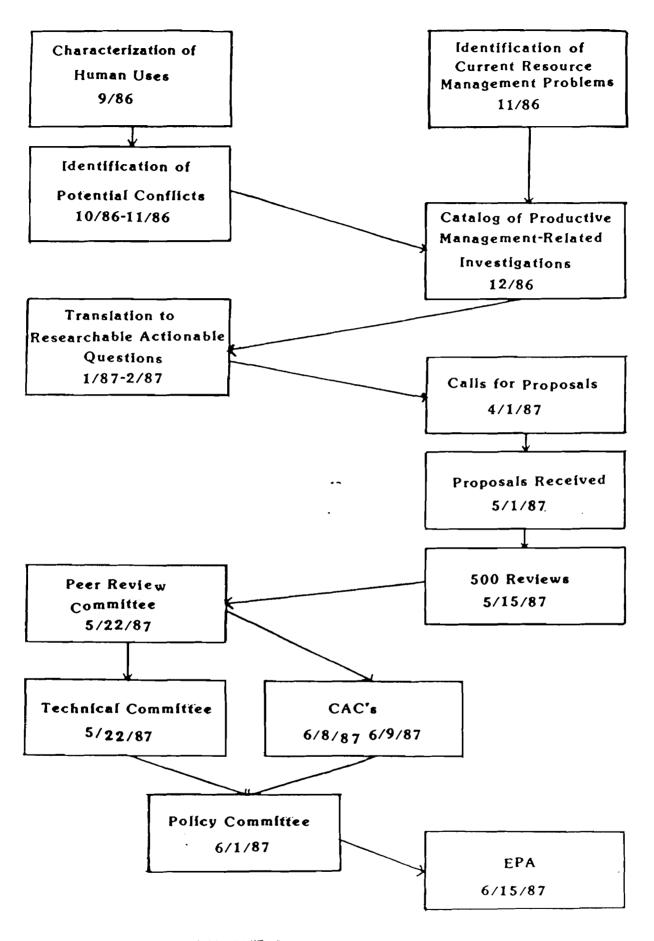
At Maryland's largest plant, near

Rallimore, the phosphorus discharge was nearly out in half.
Sewage plants that remove phosphorus also have benefited from the ban, the study showed, because fewer pounds of chemicals were needed in the treatment process and sludge was reduced.

Russell Sharpe, a senior plant superintendent for the Washington Suburban Sanitary Commission, said he calculated the savings at one Prince George's County plant at \$180,000 a year.

The Maryland study said the introduction of phosphorus-removal technology at sewage plants has combined with the ban to reduce phosphorus by a total of 37 percent.

WORKPLAN DEVELOPMENT AND PROJECT SELECTION



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FIRST YEAR TECHNICAL PROJECTS

ALBEMARLE-PAMLICO ESTUARINE STUDY

The following projects have been approved by the Policy Committee for first-year funding, depending upon final legislative appropriations.

	SUBJECT	PRINCIPAL/ INVESTIGATORS	INSTITUTIONS
1.	Environmental determinants of oyster bed success	Sutherland, Ortega & Peterson	Duke University Marine Laboratory & UNC Institute for Marine Sciences
2.	Data requirements for fisheries stock assessment	Mercer & Street	NC Division of Marine Fisheries
3.	Value of recreational fishing	Smith & Palmquist	North Carolina State University
4.	Analysis of nursery area data	Street	NC Division of Marine Fisheries
5.	Ecological function of fringe swamps	Brinson	East Carolina University
6.	Potential for eutrophication . & nuisance algal blooms	Paerl	University of North Carolina
7.	Nutrient reduction by coastal swamps	Kuenzler	University of North Carolina
8.	Baseline demographic trends (permanent & seasonal populations)	Tschetter	East Carolina University
9.	Analysis of existing hydrologic & water quality data	Bales	US Geological Survey
10.	Offsite effects of Best Management Practices	Bales	US Geological Survey
11.	Flows & flow patterns in the Neuse & Pamlico River systems	Bales	US Geological Survey

	SUBJECT	PRINCIPAL/ INVESTIGATORS	INSTITUTIONS
12.	Excluder devices in the inshore shrimp fishery	Pearce	Mariner's Marine
13.	Obstructions to migration of anadromous fish	Collier	US Fish & Wildlife Service
14.	Distribution of submersed aquatic plants	Davis	East Carolina University
15.	Aerial survey of submersed aquatic plants	Thayer	US National Marine Fisheries Service
16.	Water column & bottom sediment dynamics	Wells	UNC Institute for Marine Sciences
17.	Hyde County Soil Survey Cost Share	Philen	NC Division of Soil & Water Conservation

Also, the following projects have been recommended for December funding:

18.	Wetland protection strategies	Adams	North Carolina State University
19.	Heavy metals in bottom sediments	Riggs	East Carolina University
20.	Current resource management programs	Nichols	Research Triangle Institute

In addition, the Peer Review Committee has requested the following actions:

- Workshops on 1) hydrologic & water quality modeling
 - 2) remote sensing (land use/land cover; etc.)
 - 3) fish diseases.

- Workgroups 1) striped bass declines
 - 2) natural area/wetland inventories & endangered species
 - 3) recruitment processes & their effects on nursery function $% \left(1\right) =\left(1\right) \left(1\right)$
 - 4) toxicants and pesticides.

Proposal solicitation/revision on 1) management of fecal contamination

2) management of nursery area impacts

FIRST YEAR PUBLIC INVOLVEMENT PROJECTS

ALBEMARLE-PAMLICO ESTUARINE STUDY

The following projects have been approved by the Policy Committee for first-year funding, depending upon final legislative appropriations.

	SUBJECT	PRINCIPAL/ INVESTIGATORS	INSTITUTIONS
1.	Citizen's monitoring network	McNaught	Pamlico-Tar River Foundation
2.	State of estuaries booklet	Okum	UNC Institute for Environmental Studies
3.	Public service announcements	Okum	UNC Institute for Environmental Studies
4.	Media tour	Kennedy	NC Coastal Federation
5.	Workshops on management issues & guidebooks	Kennedy	NC Coastal Federation
6.	Videotape/slide show	(NRCD reserve until contractor selected)	
7.	Newsletter	Public Involvement Coordinator	Albemarle-Pamlico Estuarine Study
8.	Public meeting	Carson & Powers	Elizabeth City State University

Total Cost: \$100,136

ALBEMARLE CITIZENS' ADVISORY COMMITTEE MEETING JUNE 9, 1987 EDENTON, NC

The meeting was called to order at 6:05 p.m. by Dr. Mike Orbach, Technical Committee, Albemarle-Pamlico Estuarine Study (APES) and NC Marine Science Council. Dr. Orbach welcomed committee members and others, and introduced persons present.

Dr. Doug Rader, APES Project Director, spoke on the impetus for the APES, the major thrusts of the program, the administrative structure of the program, and the current status of each element.

Mr. Ted Bisterfeld, US Environmental Protection Agency (EPA) Project Officer, welcomed the group on behalf of Mr. Jack Rayan, EPA Region IV Administrator. He then described the charge and duties of the CAC's as laid out by the Policy Committee for the study.

Dr. Rader then described administrative procedures established by the Policy Committee and suggested that specific CAC procedures be considered at the next meeting. The committee so directed. Of particular interest was the limited availability of travel funds, payable only upon unusual circumstances by recommendation of the Project Director and approval of the Policy Committee Co-chairmen. Discussion ensued about the relationship between the various administrative boards, and voting representation on the Technical or Policy Committee. Further consideration of this topic was requested at a later time.

Ms. Fran Flanigan, Chesapeake Bay Citizens' Program, spoke on public involvement in the National Estuaries Program and encouraged the committee to broad and diverse activity.

Dr. Dirk Frankenberg, University of North Carolina and APES Policy and Peer Review Committees, described the process of selection of technical proposals and the available public involvement strategies. He emphasized the administrative need to select among activities for which there were proposals in hand. A comprehensive public involvement plan could then be built around existing pieces.

After considerable discussion, the committee decided to vote on possible projects, with individuals selecting their preferred activities. The recommendation from this committee consisted of the identification of those activities with the most votes. (See attached list.)

The committee then decided to elect an interim chairman and vice-chairman to serve until committee members determined that permanent officers could be selected. After discussion, Dr. Mike Corcoran was elected chairman and Dr. Parker Chesson, Vice-chairman.

Dr. Corcoran assumed his chairmanship.

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Dr. Rader, Dr. Frankenberg, and Dr. Orbach thanked the assembled members.

July 14 was selected as the date for the next meeting, to be held in Elizabeth City, NC. Agenda items were requested from the committee and are to include a discussion of the draft workplan, technical projects approved for funding, public involvement projects approved for funding, and recommended administrative procedures.

The meeting adjourned at approximately 9:30 p.m.

SUMMARY OF POSSIBLE PUBLIC AWARENESS/INVOLVEMENT ACTIVITIES

- 1. Prepare videotape/slide presentations on natural resources and their human uses, environmental issues and environmental management opportunities.
- 2. Prepare audio-visual presentation on the geologic and hydrologic setting, the history of development in the region and the current agricultural perspective (land and water management practices, etc.).
- 3. Prepare a slide/tape set for use with the North Carolina Agricultural Extension Service and provide in-service training for agricultural extension agents.
- 4. Conduct surveys of public perceptions, knowledge and attitudes of natural resources and their management.
- 5. Evaluate the nature and extent of real and perceived conflicts among user groups of the Albemarle-Pamlico system.
- 6. Gather in one place all relevant scientific and management information on Albemarle and Pamlico Sounds.
- 7. Design and publish a quarterly newsletter.
- 8. Conduct workshops on natural resource issues for public school teachers.
- Develop bumper stickers/logos/t-shirts, slogans.
- 10. Conduct estuarine management workshops with guidebooks on:
 wetlands protection programs
 Coastal Area Management Act
 Sedimentation and Pollution Control Act
 Water Quality Standards Program
- 11. Conduct a two-day media tour of Albemarle-Pamlico Sounds.
- 12. Compile a speakers bureau catalog.
- 13. Establish a simple citizens monitoring network.
- 14. Prepare public service announcements.
- 15. Prepare a protocol for translating and distributing scientific results to policy makers.
- 16. Conduct workshops on public health issues relevant to estuarine management.

- 17. Prepare an "Albemarle-Pamlico Gallery" at the NC Aquarium on Roanoke Island, with touch tank, media shows, etc. (Ultimately, a traveling exhibit will be prepared.)
- 18. Prepare a "State of the Estuaries" booklet.

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- 19. Sail a North Carolina traditional vessel up the Neuse River, with landings to disseminate Albemarle-Pamlico Estuarine Study materials.
- 20. Establish an estuarine extension program office in Greenville at East Carolina University.
- 21. Prepare popular characterizations of: blackwater streams; Currituck Sound/Back Bay and reprint Fish and Wildlife Service publication on Albemarle Sound.

RESULTS OF CAC VOTING ON PUBLIC INVOLVEMENT ACTIVITIES

				ACTION BY PEER REVIEW
#	VOTES		TOPIC	& POLICY COMMITTEE
ALB.	PAM.	E		
9	12	21	Citizens Monitoring network	Funded Pamlico-Tar River Foundation
11	9	20	Media Tour	Funded NC Coastal Federation
12	7	19	Videqtape/Slide Show	Funded Dept. of Natural Resources & Community Development Reserve
11	7	18	Public Service Announcements	Funded University of North Carolina
10	8	18	State of Estuaries Booklet	Funded University of North Carolina
11	3	14	Estuarine Management Workshops and Guidebooks	Funded NC Coastal Federation
2	10	12	Surveys of Public Attitudes/ Knowledge/Perception	
8	2	10	Protocol for Policymakers	

The CAC's also recommended that the program itself proceed to:

- issue a quarterly newsletter,
 gather relevant information (books, journal articles, data sets, etc.), and
 compile a speakers' bureau.

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PROCEDURES

CITIZENS' ADVISORY COMMITTEES

- 1. The charge from the Policy Committee to the Citizens' Advisory Committees (CAC's) shall provide the basis for action of the CAC's, namely:
 - A. To provide a mechanism for structured citizens' input, including providing recommendations, into the Albemarle-Pamlico Estuarine Study process from their respective regions; and
 - B. To assist in the dissemination of information relevant to or developed by the project in their respective regions.

More specifically the CAC's shall:

- A. Report at each meeting of the Technical Committee, through their respective Chairperson.
- B. Review all documents and materials produced by the Albemarle-Pamlico Estuarine Study. They shall include the results of such review in the Chair's reports to the Technical Committee.
- C. 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.
- Meetings shall occur at least twice annually in the region and shall be called by the Chairmen or by petition of a majority of duly appointed members. Meeting dates shall be set prior to adjournment of all meetings.
- 3. Chairmen and Vice-Chairmen shall be elected by majority vote of those members present, and shall serve for one year from date of election. Chairmen and Vice-Chairmen may be reelected without limit. Chairmen and Vice-Chairmen may designate any member of their committee as acting chair in their absence. Generally, the Vice-Chairmen will serve as chair in the Chairmen's absences.
- 4. The Policy Committee has directed that Parliamentary Procedures be used for all meetings of the CAC's. The Policy Committee has directed that simple majority of members present shall rule. Only duly appointed members may vote. Proxies are allowable for informational purposes, but proxies cannot vote.
- 5. Members are appointed by and serve at the pleasure of the Policy Committee. Replacements must be approved by that body. CAC's may recommend replacements for Policy Committee consideration.

- 6. The Chairman of each CAC will serve as a voting member of the Technical Committee. In addition, the Policy Committee has strongly encouraged the Chairman to attend Policy Committee meetings.
- 7. The Policy Committee has directed that all documents or resolutions developed by the Policy, Technical, or CAC members or their staffs be distributed to all Policy, Technical and CAC members, respectively, preferably a week in advance of proposed action in order that members may have adequate time for review and comment, unless the document or resolution is developed at the meeting. Proposed agenda items should be forwarded to the Project Coordinator.
- 8. The Policy Committee has directed that no member of the Policy Committee, Technical Committee, or CAC's may serve as a Principle Investigator on any proposal. If an investigator from a Policy, Technical, or CAC's members institution, agency, or company submits a proposal, that Committee member shall not formally comment, endorse, or vote on that proposal.
- 9. The Policy Committee has determined that a goal of the Albemarle-Pamlico Estuarine Project will be to maintain open communication channels with the press. The official contact person for all Albemarle-Pamlico Estuarine Project press questions shall be the Project Coordinator. The CAC's may make press releases as they deem appropriate following formal committee action.
- 10. The Policy Committee has directed that no travel expenses will be paid for any Policy, Technical, or CAC members with the following exceptions:
 - A. Out-of-State (North Carolina) travel for project-related meetings upon approval of the Policy Committee Co-Chairmen.
 - B. Travel expenses for invited experts who are neither Federal employees nor North Carolina residents.
 - C. Travel expenses for "special" needs upon recommendation by the Program Coordinator with approval by the Policy Committee Co-Chairmen.

Albemarle-Pamlico Estuarine Study

Policy Committee

Mr. S. Thomas Rhodes, Co-chairman NC Department of Natural Resources & Community Development P. O. Box 27687 Raleigh, NC 27611-7687

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Dr. Ford Cross Southeast Fisheries Center/NOAA Beaufort Laboratory Beaufort, NC 28516-9722 Mr. Jack E. Ravan, Co-chairman US Environmental Protection Agency 345 Courtland Street, N.E. Atlanta, GA 30365

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Ms. L. K. Gantt US Fish & Wildlife Service P. O. Box 25039 Raleigh, NC 27611-5039

Albemarle-Pamlico Estuarine Study

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Mr. Charles Fullwood, Jr.
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Mr. David Owens NRCD Division of Coastal Management P. O. Box 27687 Raleigh, NC 27611-7687

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Dr. James M. Stewart Water Resources Research Institute Campus Box 7912 Raleigh, NC 27695-7912

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Mr. Keith J. Buttleman Virginia Council on the Environment 903 9th Street Office Building Richmond, VA 23219

Ms. Sharon Shutler Estuarine Programs Office/NOAA 1825 Connecticut Avenue, N.W. University Building, Room 622 Washington, DC 20235

Mr. Derb Carter, Jr. 2108 Dunnhill Drive Raleigh, NC 27608 (Pamlico Citizens' Advisory Committee) Mr. Bruce Barrett, Co-Chairman
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Mr. Harry Layman NRCD Division of Forestry Resources P. O. Box 27687 Raleigh, NC 27611-7687

Mr. Tom Ellis
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Dr. William Hogarth NRCD Division of Marine Fisheries 3411 Arendell Street, Box 769 Morehead City, NC

Dr. B. J. Copeland Sea Grant Program P. O. Box 8605 Raleigh, NC 27695

Dr. Alvin Morris US Environmental Protection Agency 841 Chestnut Street Philadelphia, PA 19107

Mr. James Turner, Jr. US Geological Survey P. O. Box 2857 Raleigh, NC 27601-2857

Dr. Michael K. Orbach NC Marine Science Council 210 Longmeadow Road Greenville, NC 27834

Mr. David Sides NRCD Division of Soil & Water Conservati P. O. Box 27687 Raleigh, NC 27611-7687

Dr. Parker Chesson
College of the Albemarle
Elizabeth City, NC 27909
(Albemarle Citizens' Advisory Committee)

ALBEMARLE-PAMLICO ESTUARINE STUDY CITIZENS' ADVISORY COMMITTEE PAMLICO REGION

Mr. Alton Ballance P. O. Box 510 Ocracoke, NC 27960	928-3251	Dr. Bill Jackson 509 W. 15th Street Washington, NC 27889	
Mr. Fred Bonner Box 11, Cleveland School Garner, NC 27529		Mr. Ralph Jarvis P. O. Box 248 Swanquarter, NC 2788	
Ms. Grace Bonner P. O. Box 9 Aurora, NC 27806	322-4522	Ms. Susan King The Neuse River Found P. O. Box 5451 New Bern, NC 28560	
Mr. Ralph Buxton P. O. Box 340 Nags Head, NC 27959	441-4124	Dr. Ernie Larkin 224 Pineview Dr. Greenville, NC 27834	
Mr. Rann Carpenter Texasgulf P. O. Box 48 Aurora, NC 27806	322-4111	Mr. Dick Leach Route 5, Box 271 Washington, NC 27889	
Mr. Derb Carter, Jr. 2108 Dunnhill Drive Raleigh, NC 27608	833-4859	Mr. Neal Lewis Carteret Co. Chamber P. O. Box 1198 Morehead City, NC 28	of Commerce
Mr. Rodney Calhoun South River Seafood Beaufort, NC 28516	7 <u>2</u> 8-2056	Mr. Todd Miller NC Coastal Federation Route 5, Box 603 [Oce Newport, NC 28570	1
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Mr. Garvin Hardison Route 65, Box 48 Arapahoe, NC 28510	249-1225	Mr. David O'Neal Route 1 Swanquarter, NC 2788	926-5721 5

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Mr. Tim Hodges Route 1, Box 199B Swanquarter, NC 27885	926-3531	Mr. Bill Paul 745-43 P. O. Box 518 Bayboro, NC 28515	37
Mr. Willy Phillips Main Street Bath, NC 27808	923-3151	Mr. Frank Sommertamp 322-52 Route 2, Box 170A Aurora, NC 27806	59
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Dr. Clark Rodman 131 East Main Street Washington, NC 27889	946-9282	Mr. Garland Strickland 459- Route 3, Box 94 Nashville, NC 27856	3579
Mr. Stuart Shinn P. O. Box 4185 Greenville, NC 27836	757-0659	Mr. Buddy Swain 638-49 P. O. Box 2491 New Bern, NC 28560	91

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Mr. Lloyd Ballance Town of Kill Devil Hills P. O. Box 719 Kill Devil Hills, NC 2794	441-2531 48	Mr. Chuck Little Route 2, Box 117 Creswell, NC 27928	797-4046
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