

Pamlico Citizen's Advisory Committee
Washington Civic Center
Washington, N.C.
April 19, 1989

MINUTES

ATTENDANCE - SEE ATTACHMENT A

The meeting was called to order by Chairman Derb Carter at 7:15 pm. After offering a brief description of the role of the P-CAC members to those present, self-introduction of committee members was made.

Motion to accept the minutes from the previous meeting was made by Frank Sommerkamp and seconded by Todd Miller. Motion carried.

Program Update - Dr. Holman delivered his report. See Attachment E. He also drew the group's attention to a new map of the A/P study area done by LRIS which showed population density.

Public Participation Update - Joan Giordano reported on the past month's activities pertaining to the Public Participation portion of the A/P Study. See Attachment C. Also attached are distribution lists for both video PSA campaigns, (Willard and Okun) and the radio PSAs (Okun).

Guest Speakers - Chairman Carter introduced Dr. Ed Noga of NCSU School of Veterinary Medicine who spoke on "Incidence and Possible Causes of Fish and Crab Disease in the Pamlico River and Other Estuarine Waters." Dr. Noga said the key to understanding fish and crab disease is understanding which environmental factors weaken the fish. Fish disease in the Pamlico River is being caused by a fungus usually found only in fresh water. Related infections have been found in Atlantic Croaker and the American Eel, both commercially important fish.

Dr. Stanley Riggs of ECU's Dept. of Geology spoke on "Heavy Metal Pollutants in the Pamlico River." Among other things cited, Dr. Riggs reported that amounts of lead in sediment found along Washington's waterfront showed levels more than ten times the levels that were found in sediment from undeveloped parts of the estuarine system. He added that the lead apparently is the result of urban run-off. Cadmium, mercury, lead and arsenic have been found in the sediment from Kennedy Creek. The source of those metals includes city and industrial discharge and run-off from an abandoned FCX dump site which the U.S. EPA is cleaning up through their Superfund program. Most important was Dr. Riggs' observation that toxic amounts of heavy metals may already have seeped into the Castle Hayne aquifer, a huge limestone deposit that contains the state's largest sources of groundwater. Discussion ensued following both presentations and an opportunity for questions and comments from the public was entertained.

There being no further business, the meeting was adjourned at 9:50 pm. The next meeting is scheduled for May 17, 1989 in Swanquarter. Guest speakers will be Jim Cummins, NRCD, speaking on the "Best Management Practices in the N.C. Cost Share Program" and Dr. Jerad Beles, USGS, speaking on "Offsite Effects of Best Management Practices."

PAMLICO CITIZENS' ADVISORY COMMITTEE
WASHINGTON CIVIC CENTER
WASHINGTON, N. C.

April 19, 1989

AGENDA

Welcome	Chairman Carter
Consideration of Minutes	
Program Update	Dr. Holman
Public Participation Update	Joan Giordano
Introduction of Dr. Ed Noga	Chairman Carter
Incidence and possible causes of fish and crab disease in the Pamlico River and other estuarine waters	Dr. Noga, NCSU
Introduction of Dr. Stan Riggs	Chairman Carter
Heavy metal pollutants in the Pamlico River	Dr. Riggs, ECU
Questions/Answers and Public Comment	
Adjourn	

Attendance Sheet

P-CAC
4-19-89

<u>NAME</u>	<u>AFFILIATION</u>
Clark Rodman	Panico A-C.
Ryan Carpenter	Panico CAC
Dub Carter	"
Dick Esch	"
Scott Whitford	"
Emie Farkin	"
Billy Jackson	"
Frank Sommerkamp	"
Todd Miller	"
Joe Giordano	Staff
Robert Holman	A/P Study Staff
Ed Noja	NCSU
Steve King	ECU
Jeff Furness	Texas Gulf already on mailing list
Jan Wilber	
Keith Howard P.O. Box 141, Wash.	National Spinning
Gary + Susan Smith	ECU <small>SCHOOL OF ALLIED HEALTH FELK BLDG GREENVILLE NC 27834-4353</small>
Leery Cox	
Dave McNaught	PTRF
Lynn Ewert } Rt 1, Box 354	Self
Asa Ewert } Spinetown, N.C. 27865	Self
Dan Clayton } Rt 2, Bx 333 Belhaven 27810	Self
Mike Bradley } Rt 1, Box 378, Bath 27808	"
Mike Han } Rt 1 Box 442 A Bath, N.C. 27808	CONCERNED CITIZEN
Gerald Prutler } (on back) W. Main St. Historic Bath	

Attachment B

Albemarle-Pamlico Estuarine Study
Director's Report
for the Pamlico Citizens Advisory Committee
April 20, 1989

1. FY 1989 Budget
 - a) Approved by Policy Committee meeting March 15, 1989
 - b) March 29th - Citizens Involvement Subcommittee discussed public participation projects with 9 proposed authors
 - c) April 3rd - Technical Review Subcommittee discussed information acquisition projects with 15 proposed researchers
 - d) Last week of April - putting cooperative agreements together
2. Early Demonstration Projects
 - a) All five proposed projects have been revised based on review April 3rd and follow up conversations
 - b) Projects submitted to OMEP on April 21st for review
3. WRAL Coastal Celebration
 - a) April 8-9, 1989
 - b) N.C. State Fairgrounds (Kerr Scott Bldg.)
 - c) Joan manned exhibit Saturday, I manned it Sunday
 - d) Events were traditional entertainers, 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 Nelson who started March 27, 1989
 - b) Already talked to some researchers about integrating their data into the system
 - c) Added an addendum to the Users Needs Assessment Report
 - d) Brought a map product of LRS of population trends from 1970 to 1980 in study area based on census data
5. Status and Trend 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 followed up with all team members in early May
6. 1989 Progress Report
 - a) Sent to all committee members and researchers
 - b) Format this year from comments of OMEP from June 30, 1988 presentation in Washington, D.C.

Public Participation Coordinator's Report

- 1) Public Involvement Plan (PIP) was finalized on March 29th. Final versions will be sent to all CACs, TC & PC.
- 2) The glossy, full-color brochure describing the A/P Study is complete and being distributed.
- 3) Newsletter is in the mail.
- 4) Newsletter mailing list is constantly being updated.
- 5) Lib Willard's PSAs, 5 @ 30 seconds each, are complete and have been reviewed by the Publications Review Subcommittee of the Technical Committee. They are being distributed to 18 T.V. stations throughout the study area in N.C. and Virginia.
- 6) Our A/P Study exhibit has had new photos displayed (depicting the same areas of concern) and also boasts a magnificent satellite photo of study area. Exhibit appeared at WRAL-TV's Coastal Celebration in Raleigh April 8th and 9th. The exhibit will travel to festivals throughout the study area before going to the Fort Fisher aquarium in Wilmington.
- 7) Public Participation staff is soliciting/collecting 50 photos for State of the Estuaries Booklet. Scheduled date of completion is September 1989.
- 8) Guide to streamwalking booklet is in draft state and being reviewed/edited.
- 9) Citizens' monitoring program is very active with 54 stations collecting data as of the end of March.
- 10) Teacher Environmental Workshops are nearly completed with the 4th of 4 occurring on May 13th at the Aquarium in Manteo. Follow-up and on-site portion is being held on May 20th on the Outer Banks. Approximately 40 teachers have participated to date.
- 11) A rough-up of the 1990 A/P Study calendar has been completed. The educational wording, quotes, and important dates have been determined. Pictures need to be decided upon.
- 12) State Fair Exhibit 10/13-10/22. NRCO is adopting a central theme of "Wetlands" this year for the Department's entry at the fair. Each division of the Department will develop a portion of the exhibit depicting its division's involvement with wetlands. For example, Coastal Management is building a salt marsh; Parks and Recreation is doing an animal habitat; APES' contribution will be a primary nursery area. The exhibits should be no larger than 3'x 4'.
- 13) The "Secrets of the Salt Marsh" exhibit at the N.C. Aquarium in Manteo (which the A/P Study funded in part) was one of two winners of

the Today's Aquarist 1988 Aquatic Conservation Award. The other winner was the Australia New Guinea Fishes Association, Ringwood Australia.

14) Community Outreach

Primary outreach functions:

--Organized/participated in two large-scale forums to discuss estuarine issues: Greenville Boat Show and Raleigh Save Our Sounds Festival.

--Continuing newspaper columns (20 columns written to date). The columns should start running soon in a Greenville advertising newspaper (the Times), thus giving us an outlet there for the first time.

--Presented PTRF Estuarine Study Award at Northeast Regional Science Fair, Greenville, March 17.

--Worked on setting up radio spots on environmental issues for WRRF radio in Washington. Tentatively named "Current Comments", the spots will be 2-3 minute jobs discussing an estuarine or general environmental issue.

--Contacted nearly 30 civic organizations in Beaufort, Pitt, Hyde and Edgecombe counties regarding my availability to speak.

--Ongoing/recurring projects include All Species Day, overseeing Lisa Jenkins' work, Heritage Day (Eastern Elementary in Washington), Goose Creek Education Association.

--Have met with 5 civic organizations/book clubs in April.

-- Am meeting for full class days with A.G. Cox science students.

--Set for week-long seminar with Washington High School biology classes.

Today's Aquarist

Vol.2 No.3 March 1989 ISSN 1040-2098

N.C. Aquarium, ANGFA Win 1988 TA Conservation Awards

The winners of the *TODAY'S AQUARIST* 1988 Aquatic Conservation Awards are the North Carolina Aquarium on Roanoke Island, Manteo, NC, and the Australia New Guinea Fishes Association, Ringwood, Australia.

North Carolina Aquarium on Roanoke Island was selected as the winner in the public aquarium category for its exhibit "Secrets of the Salt Marsh". The 1,500-sq.-ft. exhibit is designed to educate the public about the value of North Carolina's marshes and estuaries. The exhibit features an estuarine touch tank, video system, interpretative graphics, an interactive computer center, a 1,100-gallon aquarium and a discovery room equipped with projection microscopes and computers.

The touch tank allows visitors to view and handle marine animals that inhabit the salt marshes and shoreline while the video system informs visitors about the animals' life cycles. A built-in teaching station allows live animal presentations. The interpretative graphics acquaint the public with the ecology of the salt marsh while the interactive computer center provides information on problems facing the sounds and marshes of the region. The 1,100-gallon aquarium featuring striped bass shows the recreational and commercial value of the estuarine system. The discovery room is a functional learning center for children and adults.

The exhibit was sponsored by the North Carolina Aquarium Society (a private non-profit support group for the North Carolina Aquariums) and was made possible by grants from the Albemarle Pamlico Estuarine Study, North Carolina Power Company, Carolina Telephone and Telegraph, and Sears, Roebuck & Company. Aquarium director is Rhett B. White.

The North Carolina Aquarium on Roanoke

Island is one of three state aquariums along the coast, all under the supervision of the North Carolina Department of Administration.

Australians Win Society Award

In addition to an award for the public aquarium which has done the most to foster aquatic conservation, *TA* and Pisces Publishing Co. annually offer an aquatic conservation award to an aquarium society.

This year's winner is the Australia New Guinea Fishes Association (ANGFA) for its Project Eachamensis.

Melanotaenia eachamensis is a small rainbowfish endemic only to Lake Eacham, a small crater lake in northern Queensland. Although the lake is located in a national park, and has no inflowing streams, introduced species apparently caused the Lake Eacham rainbowfish to become extinct in the wild. The only known fish left in existence were about 20 males and four females held in captivity by ANGFA members.

To date ANGFA's Project Eachamensis has supplied young fish from its breeding program to Walkamin Research Station (where there are now about 60 adults) and to Taronga Park Zoo Public Aquarium. Supplies for other public aquariums are planned. The breeding program is assisted by an A\$1,000 grant from Australian Geographic magazine. Principals involved in the project are Alex Caughey, project coordinator, publicity; Ron Bowman, breeding coordinator; John West of the Taronga Park Zoo Public Aquarium, zoo breeding, public display; Chris Barlow of Walkamin Research Station, Queensland Department of Primary Industry, original research, establishment of captive population, government lobbying; and Dick Smith of Australian Geographic.

The annual Aquatic Conservation Awards

Radio FSA Campaign
Distribution List
(Melva Okun)
Began 4/18/89

WKIX - Raleigh

WWOK/WGAI - Elizabeth City

WZBO - Edenton

WNCT - Greenville

WCBG - Murfreesboro

WCER - Wanchese

WITN/WDLV - Washington

WRHT - Morehead City

WBTB - Newport

WSFL - New Bern

Video PSA Campaign
(Melva Okun)
Distribution List
12/2/88

- WCTI - New Bern, Began running at Christmas time. Will run through
4/1/89. 5:30-6:00pm
9:00-11:00am
Midnight
- WNCT - Greenville, Began 1/25/89. Will run 6 months; 3-4 times a day
probably 8:00-11:00 am slot.
- WITN - Washington, Began in February. Ran at least once a day.
Reloading for April.
- WPTF - Raleigh, Began last of December. Ran 2X/day and 3X/day on
weekends. Ran for 3 months. Returned 4/15/89.
- WTVD - Durham, Declined running them. "Not clear enough message."
- WRAL - Raleigh, Began in February. Ran only one (Secchi disc). 2x/day,
then off 1 day; then 2x/day. Cannot be sure of duration.
- WWAY - Wilmington, No interest.
- WECT - Wilmington, Declined, said "the bulk of their viewing area lies
outside of Study area."
- WAVY - Portsmouth, Va. - Very unresponsive. Have asked for
intercession by John Carlock C.E. Va. Planning Commission for
Lib Willard's PSA campaign.

State of the Estuaries T.V. Public Service Campaign
Distribution List
Began 4/6/89

WPCQ - Charlotte
WSOC - Charlotte
WBTV - Charlotte
WPTF - Durham/Raleigh
WTVD - Durham/Raleigh/Fayetteville
WKFT - Fayetteville
WNCT - Greenville
WXII - Greensboro/High Point/ Winston-Salem
WGHP - Greensboro/ High Point/Winston-Salem
WFMY - Greensboro/High Point/ Winston-Salem
WCTI - New Bern
WLFL - Raleigh
WRAL - Raleigh/Durham
WITN - Washington/Greenville/New Bern
WWAY - Wilmington
WECT - Wilmington
WJZY - Charlotte
WAVY - Portsmouth, Va.