

MINUTES

TECHNICAL COMMITTEE AUGUST 21, 1990 RALEIGH, NC

CALL TO ORDER

The Technical Committee meeting was called to order by Dr. Ernie Carl, Co-chairman, at 10:20 a.m. Attendees list Attachment A.

CONSIDERATION OF MINUTES

Dr. Bill Hogarth moved that the Technical Committee minutes of May 9 be adopted as distributed. Mr. Larry Saunders seconded the motion which was unanimously approved.

DIRECTOR/PROJECT OFFICER REPORT

Mr. Ted Bisterfeld reported on the status of activities of the Study since the May 9 meeting (Attachment B).

SUBCOMMITTEE REPORTS

Citizens' Involvement Subcommittee

Dr. Michael Orbach said the subcommittee had not met since the May 9 Technical Committee meeting. However, he reported he would bring to the subcommittee at its next meeting the matter of a letter written by Ms. Fran Flanigan (Alliance for the Chesapeake Bay) following her participation in a CAC workshop. Ms. Flanigan had written Mr. Tom Armitage (EPA) negative comments relevant to the public participation program and the A/P Study. Dr. Orbach said the subcommittee may wish to take some action regarding this matter.

Dr. Carl said he had been in contact with Ms. Flanigan and invited her to attend A/P Study meetings to get a better understanding of the Study. She indicated an interest in attending however she could not attend any of the August meetings.

Monitoring Subcommittee

This subcommittee had not met. Mr. Bisterfeld reported that DEM prepared a report on the Synoptic Survey work conducted for the Study. Mr. Jimmie Overton (DEM) said copies of that report are available from DEM upon request.

Information Management Subcommittee

Mr. Randy Waite reported the subcommittee had not met. Dr. Robert Holman, who is overseeing the progress of the

CGIA/NCSU land use and land cover classification project, said that the land use maps have been delayed. He said 72 maps have been sent to various people for input and that approximately one-fourth have been returned. NCSU anticipates providing final input to CGIA by the end of August.

Publications Review Subcommittee

No report.

Technical Review Subcommittee

Mr. Jim Turner reported no meetings have been held; however, it is time to start planning for the 1991 CFP.

Mr. Bisterfeld said that a hydrologic work group, chaired by Mr. Saunders, has been set up to oversee the hydrologic work funded by the A/P Study. This is designed to mesh the hydrologic data and modeling with the water quality model. Trevor Clements (DEM), a member of this work group, contacted Mr. Steve McCutchins (EPA) for technical assistance regarding the latest version of a WASP 4 model. A workshop is being planned by EPA on this model.

STATUS AND TRENDS REPORT

Dr. Carl noted that at the last Policy Committee meeting there were objections to the Preliminary Status and Trends Public Version. The Policy Committee instructed the Technical Committee to revise this document. The Standard Operating Procedures Subcommittee met at 9 a.m. to discuss this issue. The SOP recommends to the Technical Committee that a "judgement" be added to each problem area. The "judgment" (if accepted by the Policy Committee) would be that of the A/P Study. The SOP recommends that Ernie Larkin, B. J. Copeland and Ted Bisterfeld develop this revised document. This will then be discussed at the August 29 Roundtable meeting. The Policy Committee will be asked to take this document under consideration and the PC will then generate the final document. This document will supplement the Public Version document at the public meetings and will help facilitate public input. The public meeting discussions will lead to a final STR. Dr. Larkin suggested that conclusions also be added to the document. Dr. Hogarth made a motion that Ernie Larkin, B. J. Copeland and Ted Bisterfeld develop this document. Mr. Don Hoss seconded the motion. Mr. Randy Waite suggested that it be mailed to all committee members prior to the Roundtable meeting. The motion carried unanimously.

IMPLEMENTATION FINANCING

Mr. Bo Crum stated that A/P Study/EPA Conference Agreement Purpose 5 commits the Technical Committee in FY 1991 to begin making plans for implementation, specifically financial plans.

This includes defining cost impacts and identify funding capabilities and prospects in preparation to securing financial commitment for CCMP priority action plans. OMEP has contractor support to assist in this process. The contractor will prepare an inventory and assessment of funding sources for the CCMP action plans, establish a financial planning committee, and produce a financial planning seminar. The Policy Committee directed the Technical Committee to begin this process. Following discussion, Dr. Hogarth made a motion to accept the offer of these services but to first request the contractor to make a presentation to the Technical Committee explaining their services and the Technical Committee's role. Mr. Tom Ellis seconded the motion which was unanimously passed.

ENVIRONMENTAL GOALS

Mr. Bisterfeld mailed to the Technical Committee a list of environmental quality goals for each of the identified A/P Study environmental problems. He reviewed the goals, the Committee discussed each, and the Committee made revisions (Attachment C). Mr. Bisterfeld noted that the draft CAC action plan (Blueprint for Action) includes a breakdown of general goals for each of the major problem areas and numerous objectives which tend to be environmental quality goals and some action items. He encouraged the Technical Committee to review the CAC document carefully. Mr. Bisterfeld will develop a final draft of the environmental goals based on all comments received during the meeting. The final draft will be sent out for further review.

ANNUAL MEETING

Mrs. Joan Giordano briefly summarized the public participation activities of the A/P Study (Attachment D). The CAC Blueprint for Action will be available for comment prior to the October 6 Annual Meeting. The Annual Meeting will begin at 9 a.m. at the Civic Center in Morehead City. Seminars will be held by Dr. Dave Engel on Shell Disease in Blue Crabs; Dr. Stan Riggs on Heavy Metals in the Neuse River; Mr. John Sutherland on Oyster Success in the Pamlico Sound; Mr. Doug Harned on Water Quality Trends in the Albemarle/Pamlico Sounds; and Mr. Walter Clark and Lyn Phillips on Water Zoning. Displays will be set up for viewing.

The Third Annual Researchers' Review will be held in Beaufort at the Maritime Museum on October 5.

Mr. Crum noted that there may be a problem with federal officials attending either of these meetings based on the current budget constraints.

Ms. Giordano informed the Technical Committee that OMEP will sponsor an NEP/CAC meeting in Beaufort on November 7-10. The meeting will consist of selected citizen advisory committee members and staff of the first 12 National Estuary Programs. Specifics are still being developed.

Six public meetings for comment on the Preliminary STR are still being planned. Meeting locations are Asheville, Greensboro, Raleigh, Elizabeth City, Morehead or Beaufort or New Bern, and Wilmington. Technical Committee members and Citizen Advisory Committee members will be asked to accompany staff at these meetings. Mr. Bisterfeld suggested the costs associated with attending these meetings could be absorbed by the Study.

MEETING SCHEDULE REVIEW

A revised schedule was provided to the members.

ADJOURNMENT

Dr. Copeland moved that the meeting be adjourned. Mr. Hoss seconded the motion which was unanimously approved.

TECHNICAL COMMITTEE - AUGUST 21, 1990

NAMEAGENCY

Joan Giordano	A/P Study
Ernie Carl	EHNR
Bo Crum	EPA
Ted Bisterfeld	EPA
Randall G. Waite	EPA, Region 3
Richard B. Hamilton	NC WRC
B. J. Copeland	UNC Sea Grant
Don Hoss	NOAA/NMFS
Ernie Larkin	Pamlico CAC
Jerry L. Holloman	USFWS
John W. Stallings	Albemarle CAC
Mike Orbach	NC Marine Science Council
Jim Overton	NC DEM
Bob Holman	WRRI
Bill Hogarth	NC DMF
Tom Quay	Pamlico CAC
Ann DeWitt Brooks	VA/COE
Tom Ellis	NC Dept. of Agriculture
Jim Turner	USGS
John L. Garrett	USDA-SCS
Larry Saunders	Corps of Engineers
Tom Stroud	Pamlico-Tar River Foundation
Neil Armingeon	NC Coastal Federation
Karon Donnelly	A/P Study
Kathy Norris	A/P Study

PROGRAM DIRECTOR'S/PROJECT OFFICER'S REPORT

AUGUST 3, 1990

1) Priority Action Plan Demonstration Projects

- a) A new project has been selected and approved for funding this year. EPA-OMEP will provide supplemental funds for a marsh grass protection shoreline erosion control demonstration project, proposed by Spencer Rogers, UNC Sea Grant Program. Five sites are planned for the two-year project.
- b) The Winslow farm was visited by this year's press tour and by the Policy Committee. Solid set applicators for effluent from these swine waste lagoons have been installed as part of the Merchant's Millpond (Upper Bennett's Creek) project.
- c) Construction has not begun on the Greenville stormwater control facility due to delays in securing the site by the city.

2) Geographic Information Projects

- a) CGIA's presentation to the Policy Committee in June resulted in a request to make a similar presentation in Carteret County. The analyses are part of Walter Clark's project to develop a water use plan component for this county's comprehensive land use planning.
- b) Bob Holman is volunteering time to oversee progress on the CGIA/NCSU land use and land cover classification project funded by the A/P Study. The Raleigh and Currituck Sound areas are the first to undergo comparison of the 1972 and 1988 remotely sensed imagery. These areas are expected to be completed soon.

3) FY 90 Work Plan Revisions

- a) New action plan demonstration project funding resulted in revision of the Work Plan, which was sent to EPA-Washington. EPA-OMEP provided 100% funding.
- b) The Citizens' Monitoring Program will be managed by ECU beginning this fall. This also is a revision to the Work Plan.

- c) Funding packages for cooperative agreements to carry out the Work Plan for FY 90 were provided to the EPA Region IV Grants Administration Unit by August 1. Awards are anticipated from August 15 through September 15.

4) Implementation Financing

- a) EPA has contractor support to help the A/P Study initiate planning for financing action plans. A guidebook is being distributed to all committees and a seminar will be scheduled soon.

5) Environmental Goals

- a) In accordance with National Estuary Program guidelines, environmental goals have been drafted for each identified environmental concern. All committees should review these goals which will become components of the CCMP ~~when~~ ^{if} they are approved. ←

6) Action Plans

The CACs, with assistance from the N.C. Coastal Federation, are nearing completion of a final proposed list of action items for inclusion in the CCMP. A presentation is planned for the August 29 Roundtable Meeting.

7) Personnel Actions

- a) A resolution by the Policy Committee recognizing Dr. Holman's two-year period of excellent service has been drafted for Committee action.
- b) Another loss to the A/P Study has been announced in Atlanta. Mr. Lee DeHihns will be leaving the EPA to join an Atlanta law firm, Alston and Bird. A replacement has not been named. (UPDATE: Ray Cunningham, replaced him) HAS Mr. DeHihns

8) Reports

- a) Updated Publications List Available
- ON THE POLICY COMMITTEE

9) Federal Agency FY 1992 Budget Initiative

The EPA, CORPS, NOAA, and USFWS in Washington are discussing potential projects to undertake in NEP study areas. A/P is on a list to do investigations and implement pilot studies. Currituck is the area of greatest interest.

10) Meetings

The Galveston Bay Program hosted a conference of NEP study directors from around the country. The A/P Study was represented by Ted Bisterfeld,

11) Work Plan

The director of EPA, OMEP reviewed the A/P Study FY 1990 Work Plan and provided comments which were generally favorable.

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DRAFT

ENVIRONMENTAL QUALITY GOALS FOR THE ALBEMARLE - PAMLICO ESTUARINE STUDY

PRIORITY CONCERN: Declines in Fisheries Productivity

GOALS: Ensure adequate quantity and quality of primary and secondary nursery areas to ~~support increasing fisheries harvest demand.~~

Maintain harvests within sustainable yields.

~~Increase the catches per unit effort for target species by commercial and recreational fisherman.~~

Restoration of Roanoke River striped bass stocks to levels of reproductive success and juvenile abundance recorded during the 1960 through 1974 time period.

PRIORITY CONCERN: Health of Aquatic Resources

GOALS: Determine cause(s) of ulcerative mycosis in finfish and shell disease in blue crabs; reduce prevalence and incidence of these diseases.

Eliminate occurrence of pollutants present in toxic concentrations within the water and sediments.

Maintain water quality standards in all areas ~~important to the survival of estuarine dependent fish species.~~

PRIORITY CONCERN: Eutrophication

GOALS: Achieve nutrient reduction goals prescribed in management strategies for tributary drainage basins designated as Nutrient Sensitive Waters (NSW)

Adhere to anti-degradation requirements of the Clean Water Act for nutrients within all tributary drainage basins not presently subject to NSW management strategies.

PRIORITY CONCERN: Impairment of Nursery Area Function

GOALS: Maintain ^{adequate} ~~optimal~~ water quality conditions within areas functioning as estuarine nursery areas.

Maintain structural integrity of ^{nursery areas.} ~~fringe wetlands for optimum function in the estuarine food web.~~

DRAFT

PRIORITY CONCERN: Anoxia - Related Fish Kills

GOALS: Maintain water quality standards in all areas shown to experience high incidence of fish kills.

Achieve measurable reductions in the incidence and severity of fish kills.

PRIORITY CONCERN: Habitat Loss

GOALS: Halt losses of special fisheries habitat areas which are necessary for the reproduction and rearing of commercially and recreationally important species.

Limit losses of unique and sensitive barrier island wetlands and terrestrial habitats.

Maintain areal status of all wetland types. (No net loss)

PRIORITY CONCERN: Closure of Shellfish Waters

GOALS: ~~Restoration of all shellfishing areas to "open" status.~~ (not achievable)

~~Restoration or maintenance of acceptable pathogen levels in potentially viable shellfishing areas.~~

PRIORITY CONCERN: Changes in Distribution Patterns of Benthic Organisms

GOALS: ~~Establishment of additional optimal oyster substrate/habitat to maintain or surpass recent harvest levels during 1980 through 1988.~~

Maintain water quality necessary for productive shellfishing uses in currently active areas and in areas identified for potential development of shellfishing.

Maintain water quality necessary for survival and growth of brackish water submerged aquatic vegetation, ~~where they exist and where new growth may occur.~~

Public Involvement Coordinator's Report
Technical Committee
August 21, 1990

1. Citizens' Advisory Committees (CACs)

- Continue to meet quarterly
- Meeting notices sent to public officials, interested citizens and newspapers in meeting area
- Vacancies exist: P-CAC (7) nominations have been received and will be presented to Policy Committee Aug. 30
- Committee members continue to share APES information with community, civic and educational organizations

2. Exhibits

- State Fair Exhibit (Nursery Area Model) was used at:
 - * Environmental Awareness Field Days sponsored by the Assoc. of Soil & Water Conservation Districts - Northampton, Gates, Camden and Martin Counties - (400 students) on April 24, 25 & 26
 - * W.H. Robinson (700 students) & South Greenville School (520 students) in Greenville - 5/11 & 5/18
- Exhibits are available for use in study area at any time

3. Outreach

- Educational Presentations:
 - * Chowan County High School - May 18
 - * W.H. Robinson School - Pitt Co. - May 11
 - * South Greenville School - Pitt Co. - May 18
 - * Gatesville Women's Group - May 1
 - * Washington Co. Middle School - Roper - May 10
 - * Riverside Readers Book Club - Washington - May 3
 - * Snug Harbor Ext. Group - May 11
 - * Arrowhead Beach 4-H Group - May 19
 - * Weeksville Middle School - Pasquotank Co. - May 9
 - * Edgecombe-Tar River Assoc. - Tarboro - May 9
 - * Chocowinity Sr. Citizens - May 8
 - * Eastern Elementary - Washington - May 10
 - * Belvoir Elementary - Pitt County - May 8
 - * Pine Knoll Shores Aquarium - June 11, July 27 & August 17
 - * Manteo Aquarium - June 27, July 20 & August 13
 - * First Methodist Church Youth Group - July 31
 - * Fairfield Harbor - August 9
- Local Government Liaison
 - * Belhaven Town Council
 - * Jones County Commissioners - May 21
 - * Beaufort Town Council - July 9
 - * Swansboro Town Council - July 12
 - * Carteret Co. Commissioners - August 6

- * Bayboro Town Council - August 7
- * Oriental Town Council - August 7

4. Projects

- Print
 - * Poster series/bumper stickers - 4800 of 5000 distributed
 - * Calendar - 4900 of 5000 distributed
 - * "Guide to Estuaries" - 500 distributed - Reprints available (\$1.00 each)
 - * "Where the Rivers Meet the Sea" - 600 distributed to schools in APES area; Reprints available (\$3.00 each)
 - * Status & Trends (public version) - being revised to include conclusions
- Electronic
 - * Video PSAs - being utilized on WRAL-TV
 - * Video/slide show - video is being shortened to 20 minutes for use at meetings requiring an abbreviated program
 - * Radio Talk Show - 3rd (Waste Treatment) of 6 scripts completed and being approved; will air in August - Subsequent topics include Human Environment, Water Quality, and Public Participation
- Public Meetings
 - * Workshops on Water Quality - done by NCSU Ag. Ext. March 6,7,14 & 15 - Report on proceedings late August, early September
 - * Forum on Management Needs for Protecting Estuarine resources in A/P System - draft write-up on proceedings by end of August
 - * S.E. Va. Planning Commission (Now Hampton Roads Planning District Commission) has completed the HRPD-APES Bibliography satisfying another of the tasks outlined in their proposal
 - * Assisting CACs with Estuarine Management Recommendations (NCCF) - Third and Final Workshop held in Williamston June 5
 - * Press Tour (NCCF) - June 6-8 (in Albemarle region) was a well planned effort but sparsely attended

All 3rd cycle projects are completed or nearing completion.

5. Other Meetings & Events

- Status & Trends Public Meetings (6) across state rescheduled due to revision of S & T Document (Public Version) will probably occur in late fall
- State Fair - Oct 12-21, 1990 - Dept. theme is Waste Management and Recycling - Planning continues
- Semi-Annual Roundtable Meeting scheduled for August 29 in Greenville will be followed by Policy Committee

meeting August 30th in the am.

- Third APES Annual Meeting will be held on October 6th in Carteret Co. and will be preceded by the Third Annual Researchers' Review on October 5th in Beaufort at the Maritime Museum.

6. Newsletter

- 3rd quarter edition due August-September
- Mailing list is constantly updated - 17,200+
- Responses are very favorable

7. Inquiries to Program

- Receive almost daily response to newsletter, T.V. and exhibits from educators, press, students and business
- Inquiry log is kept, average response time is 2-3 days
- Requests for publications are very popular

