

Albemarle Pamlico Estuarine Study  
Technical Committee  
February 21, 1989

The meeting began at 10:00 a.m. chaired by Mr. Bruce Barrett. Co-chairman, Dr. Ernie Carl, was not able to attend. He introduced two new members of the TC, Dr. George Everett and Cecil Settle. He also introduced Randy Waite, EPA Region III representative to APES.

The major thrust of today's agenda will be on program redirection as decided on at the last public meeting.

The minutes from 11/10/88 were brought up for consideration. Paul Wilms motioned for approval. Mr. Turner seconded. The ayes carried.

I. Director's Report

A. Proposals

Bob Holman gave a summary of the proposals received for 1988-89 funding. Fifty nine were received broken into these categories:

9	Resource Critical
17	Water Quality
10	Human Environment
8	Fisheries
15	Public Participation

Proposals have received four levels of review:

Citizen Advisory Committees (CACs)	Feb. 7-8
Citizens' Affairs	Feb. 10
Monitoring	Feb. 13
Technical Review	Feb. 14-15

The Policy Committee will need to approve the money budgeted for the approved proposals later this month (2/28/89).

B. Publications List

APES has 14 publications available for public distribution and has circulated the list of publications to all APES Committees. A copy of each publication is given to each APES committee member, to the major universities and colleges, a designated group of libraries, and to the public upon request. There is also an APES informational pamphlet scheduled for publication by early April.

### C. Upcoming Meetings

The WRAL Coastal Celebration will be April 8-9, 1989. APES will make program information available there and have an exhibit.

There is a roundtable meeting scheduled for February 27th for all APES Committees the evening before the Policy Committee meeting.

### D. Data Management Coordinator

The data management coordinator position has been filled. Mr. Chuck Nilsson (formerly with ARC/INFO) will be on board by March 27th. This was a six month recruiting effort.

### E. Public Participation

Joan Giordano is presently coordinating a review of the second draft of the Public Participation Plan.

### F. Work Plan

The work plan for APES was never put in final form. The Technical Subcommittee reviewed the plan and is suggesting considering this an outline of how the program should operate. They are presently modifying the plan to incorporate present program plans and direction which will be the Workplan.

### G. Status and Trends Report

Bob Holman said that the STR proposal funding request is currently with EPA/OMEP for approval. He hopes to have an answer soon.

### H. Legislative Oversight

There is a legislative bill to initiate a commission to oversee APES. It must now go through the usual Senate approval process.

## II. Project Officer's Report

Ted Bisterfeld reviewed the January 27th memorandum which he sent to all TC members for consideration of early implementation projects. There are two projects for consideration using FY88 funds and five for consideration using FY89 funds.

FY88: Ted noted there is inadequate information on the Virginia proposal to make an accurate technical review. He will have the proposal reviewed by EPA Region IV and send the comments to Virginia for revision. The APES monitoring

committee will review the resubmission before the TC makes a decision. The counter-part to this project is North Carolina's project on the Chowan River.

FY89: Bill Hogarth said that an oyster study received during the call for proposals was considered to be an implementation project. The Technical Subcommittee recommended that this project be considered along with implementation projects. Discussion took place on the five proposals and interest was expressed in: (1) the City of Greenville--Urban BMP stormwater project; (2) the Animal Waste Management Project; and (3) marsh grass protection project.

Motion: Bill Hogarth motioned for Paul Wilms to have the monitoring subcommittee review the three cited proposals, the two FY88 projects, plus the oyster study. The technical committee is then to review the proposals and rank them in priority order. The priority submission should then be submitted to OMEP along with the reasons for submitting. Dr. Turner seconded. The ayes carried.

### III. Subcommittee Reports

Standard Operating Procedures--Bob Holman distributed a chart summarizing progress on program milestones. He said that the draft work plan for APES needs updated. In light of the outdated information, the milestones are being reviewed for updating the plan.

Information Management--Ted Bisterfeld said that Karen Siderelis is completing the data needs assessment report and expects to complete it by the end of February.

IV. Budget Review: Bob Holman presented the proposed budget for FY89 (attachment A). Jim Turner presented a summary of Technical Information Acquisition projects and Mike Orbach presented the citizens participation.

#### Technical Acquisition:

A. Monitoring--Discussion took place on the monitoring component of the program. Monitoring was not in the original program budget but was added later due to supplemental EPA funding. With the supplemental money in place, the N.C. DNRCD redirected money toward assisting with APES objectives. Now that the State has made this commitment and with the additional money not available there is concern on how to handle funding of monitoring projects. Monitoring projects will take the program above the budget ceiling.

Motion: Mike Orbach motioned that the TC not consider including monitoring as part of the APES budget package.

Rather, the agencies should look into ongoing monitoring programs and how they might be consolidated with each other. In addition, as other elements of the budget are discussed, there might be areas where funding can be reduced and added into monitoring. Dr. Copeland seconded. Bruce Barrett requested that before taking a vote on the motion, that a certain portion of the money should be earmarked for monitoring or else the significance of the previously spent money and projects are reduced. Ted Bisterfeld suggested that APES make a formal plea to EPA/OMEP for additional money. With the original motion in place a vote was taken 8 were for the motion; 6 were against. The motion carried.

B. Citizens Monitoring--Question arose as to why the citizens monitoring project is in the technical and not citizens category. As noted by Larry Minnock, the citizens monitoring efforts receive excellent quality assurance and the quality of citizens who respond to the effort are generally ultra-responsible. In light of the data received from these programs, it was agreed to keep it in the technical category.

C. Mapping and GIS--There was question as to where the major cost of this effort is. The answer is in the hardware and software. More explanation was requested on exactly what products and at what added costs APES would receive for their funding. George Everett requested that the Program Director go back to the contractor to ask what specifically we are getting.

Motion: Bill Hogarth motioned to fund the Technical Information Acquisition projects as presented by Dr. Turner. Dr. Copeland seconded. The ayes carried.

#### Citizens Projects

A. Bumper stickers/posters--There was a question on whether the public would be charged for the posters and stickers. The other question is who will administer the program. Joan Giordano was asked to report back on the mechanics of charging for these items.

B. Needs survey--It was asked why the program is doing a needs survey especially after two public forums have taken place. Dr. Orbach explained that this project will be used for incorporating into APES final projects involving future direction for the Sounds.

Bill Hogarth asked if we should first develop an overall public participation/relations plan and if the money wouldn't be better spent hiring a public relations firm. There was question on paid radio interviews when many people from within the government agencies do this routinely for free. Joan Giordano is working on her second draft of a

public participation plan which addresses many of these concerns.

Motion: Mike Orbach motioned to accept the public participation budget as he submitted it (Attachment B). Ernie Larkin seconded. A vote was taken: 9 were for and 3 opposed. The motion carried.

Mike Gantt cited a section in the Clean Water Act that stipulates that administration not exceed 10% of the budget. Ted Bisterfeld is to look into this and report back to the TC.

Administrative:

A. Accountability

Dr. Copeland suggested that the program be examined in terms of program objectives, plans for those objectives, and the priorities we are setting to achieve those objectives. George Everett suggested producing a program timeline and a measure of what has been done. For example, in the area of public participation, one might look at the number of articles, broadcasts, responses, etc. There was also a question as to why APES pays rent at the State's Regional Office location.

B. Public Participation

It was asked why the public participation aspects of the program must have its own administrative budget, whereas, the information gathering does not separate this. Bruce Barrett requested that the public participation budget be added to the administrative budget.

C. Expansion Budget

It was noted that the State has requested additional money from the legislature some earmarked for APES.

Motion: Richard Hamilton motioned that the TC recommend to the Policy Committee that APES endorse and push for the expansion budget of \$300,000. This might be a critical source for monitoring money. Ernie Larkin seconded. The ayes carried the motion.

Motion: Dr. Turner motioned to accept the administrative budget. Dr. Orbach seconded. The ayes carried.

V. Data Management Committee

Question arose on what products APES would receive for the information management projects funded through LRIS. The program director was asked to look into this more thoroughly and report back to the TC. Bruce Barrett resigned from the Chair of the Data Management Subcommittee, stating that he neither had the time nor the computer knowledge required. He asked for a volunteer from the TC to replace him.

#### VI. Virginia Participation

Larry Minnock suggested having a meeting with those involved on the Chesapeake Bay project to learn some of the pros and cons of their tactics. He said depending on the areas of interest that the APES program wishes to discuss, he would arrange for meetings. He invited the APES TC to consider possible topics and that meetings could be arranged in Richmond, Va.

The meeting adjourned at 4:00 p.m. The next meeting is scheduled for May 10th.

ALBEMARLE-PAMLICO ESTUARINE STUDY

Proposed Budget: FY 1989-90

Review and General Breakdown Excluding Monitoring Costs\*

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I. Existing Funding Sources

\$1,200,000	EPA FY 1989-90 Funds
500,000	State of North Carolina Funds
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\$1,700,000	Total

II. Possible Supplemental Funding Sources

~350,000	EPA FY 1989 Possible Early Implementation Funds
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~\$ 350,000	Total

III. General Budget Breakdown

<u>Item</u>	<u>Cost</u>	<u>Percent</u>	<u>Guideline</u>
A. Administration	<del>336,258</del>	19.7	(15)
B. Information Management	165,000	9.7	(15)
C. Public Participation	<del>282,401</del>	16.6	(10-20)
D. Technical Info. Acquisition	916,749	54.0	(60)
*E. Monitoring	(0)	(0)	
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Total	\$1,700,000	100.0	

Revised figures

274,140	16.1
135,000	8.0%
229,701	13.5%
767,123	45.1%
282,069	17.1%

ALBEMARLE-PAMLICO ESTUARINE STUDY  
 BUDGET: FY 1988-89

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III. BUDGET BREAKDOWN

A. ADMINISTRATION

1.	Personnel		
	a. Project Director	(4.5% Cost of Living Increase	\$47,856
	b. Clerk/Steno IV	Above 1988 Wages)	23,197
	c. Administrative Assistant		23,500
	d. Data Mgmt. Coordinator		32,320
	e. Environmental Specialist		25,000
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			151,873
2.	Fringe Benefits		
	a. 19.00% of Wages		28,856
	b. Longevity Pay for Project Director and Clerk/Steno IV		1,300
	c. Indirect Cost (7.5% for Personnel)		11,390
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			41,546
3.	Travel		
	a. Project Director/Staff		10,000
	*b. Citizens' Advisory Committees		3,000
	c. National Estuary Program Participation		3,000
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			16,000
4.	Equipment		
	a. Portable Computer		3,000
	b. Desks and Chairs (3)		2,000
	c. Books/Publications		500
			<hr/>
			5,500
5.	Office Supplies/Film		3,000
6.	Contracted Services		
	a. Marguerite Duffy (Technical Writing/Coordination of Meetings)		20,000
	b. Status and Trend Final Document/CCMP Planning		50,000
	*c. Meetings/Workshops/Conferences		20,000
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			90,000
7.	Other		
	a. Advertising		400
	b. Telephone		2,500
	c. Postage		3,000
	*d. Printing		14,000
	e. Photocopying		3,000
	f. Express Freight		500
	*g. Room Rental		500
	h. Data Processing Service		439
	i. Other Services		1,000
	*j. Regional Office Space (Public Relations Coordinator/Part-Time Secretary)		3,000
			<hr/>
			28,339

TOTAL

\$336,258

\*Additional fund associated with Public Participation activities

B. INFORMATION MANAGEMENT

1. Hardware	30,000
The costs to continue payments for financing the computer system upgrade that was required to support APES data management activities.	
2. Software	10,000
Contingency funds to pay for additional software if needed by APES.	
3. Maintenance	22,000
The costs for maintenance contracts on hardware and software purchased for APES.	
4. Communications Fixed Costs	20,000
The costs of installing hardware and software to place the LRIS system on an established network; and the fixed fees associated with a network.	
5. Communications Variable Costs	20,000
The costs of using a data communications network. Costs will vary according to usage level.	
(Items 5 & 6 are awaiting completion of the data needs study and the user requirements study)	
6. Design/Programming	10,000
Costs associated with refining the design of the APES data base and for refining the design of the "front end" software. The major design/programming expenses will be handled with FY '87 funds.	
7. Data Entry and Analysis	50,000
LRIS charges for entering and analyzing data.	
8. Supplies	3,000
Miscellaneous supplies, e.g., maps, mylar, data tapes (VA. 100K's), etc.	
TOTAL	\$ 165,000

TECHNICAL INFORMATION ACQUISITION

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1. Resource Critical Area (25%)

<u>Rank</u>	<u>No.</u>	<u>Project Title</u>	<u>Researcher</u>	<u>Cost</u>
1	335	Hyde County Soil Survey	Gagnon/Tant	10,000
2	343	Mapping & GIS Land Cover	Khorram/Siderelis	100,000* (166,588)
3	301	Regional Inventory	Roe	<u>75,000</u>
			Subtotal	185,000

2. Water Quality (40%)

<u>Rank</u>	<u>No.</u>	<u>Project Title</u>	<u>Researcher</u>	<u>Cost</u>
1	305	Eutrophic/Nuisance Algal Blooms	Paerl	53,106
2	311	Citizens' Monitoring	Perlic	55,286
3	344	Heavy Metal Pollutants	Riggs	44,985
4	318	Evaluation Off-Site Ag. BMPs	Bales	83,500
5	333	Nutrient Load/Coastal Swamps	Kuenzler	70,988
6	317	Determine Flows/Flow Patterns	Bales	<u>100,000*</u> (122,500)
			Subtotal	407,865

3. Fisheries (20%)

<u>Rank</u>	<u>No.</u>	<u>Project Title</u>	<u>Researcher</u>	<u>Cost</u>
1	315	Food/Feed Larval Fish	Rulifson	46,666
2	339	Shell Disease Blue Crab	Noga	64,420
3	314	Abund/Viability/Striped Bass	Rulifson	<u>19,626</u>
			Subtotal	130,712

4. Human Environment (15%)

<u>Rank</u>	<u>No.</u>	<u>Project Title</u>	<u>Researcher</u>	<u>Cost</u>
1	358	Federal Consistency	Nichols	12,501
2	350	Public Attitudes Toward WQ & Mgmt.	Hoban/Clifford	76,974
3	353	Environ. Mgmt. Currituck	Adams	<u>35,697</u>
			Subtotal	125,172

5. Other

<u>Rank</u>	<u>No.</u>	<u>Project Title</u>	<u>Researcher</u>	<u>Cost</u>
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			TOTAL	\$916,749

\*Negotiable

Attachment B  
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C. PUBLIC PARTICIPATION

ADMINISTRATION

Public Involvement Coordinator (4.5% Cost of Living Increase)	24,768
Part-time Secretary (Above 1988 Wages)	7,688
Fringe Benefits (19.00% of Wages)	6,167
Indirect Costs (7.5% for Personnel)	<u>2,434</u>
	41,057
Contract Services (Newsletter)	20,000
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Subtotal	\$ 61,057

<u>Rank No.</u>	<u>Project Title</u>	<u>Researcher</u>	<u>Cost</u>
1 352	A Public Forum on Mangement Needs for Protecting the Estuarine Natural Resources in the A/P System	Shaw (DCM)	13,410
2 325	Institutional Enhancement & Public Involvement Program for Southeastern Virginia	VA Planning District Commission	28,000
3 351	Leadership Development Workshops on Water Quality Impacts of Nonpoint Source Pollution	Hoban/NCSU	6,200
4 310	Community Education Outreach II (Continuation)	Stroud (TRF)	31,602
5 329	Assisting A/P CACs in Conducting A Press Tour, Organizing an Annual Meeting, & Preparing Estuarine Mgmt. Recommendations for Protecting A/P Sounds	Kennedy (NCCF)	46,817 (35,000)
6 *332	Vital Issues of Protecting Water Quality-Teacher Training & Curriculum Implementation	Okun (UNC)	(42,615)
7 312	Public Education Program in the Albemarle Sound Area	Carson/Hess	17,100
8 328	Poster Series/Bumper Stickers	Nurnberg (PTRF)	15,600
9 **322	Albemarle-Pamlico Public Participation: Raising Public Awareness & Involvement/ Radio Broadcasts	Foder/Rancer (NCSU)	} (20,000)
10 **337	A/P Study Public Participation Facilitation Project	Cleary (Business Forum)	
		Subtotal	\$221,344
		TOTAL	\$282,401

\*Negotiable

\*\*Fund Only One

RPES  
12/89

<u>Name</u>	<u>Organization</u>	<u>Phone</u>
Marguerite Duffy	Consultant	301-344-5315
Dr. J. J. Caplan	State of Maryland	410/771-2121
John W. Stallings	PCAC	919/794-4183
Emil Parkin	PCAC	919 551 4495
Don Hoss	NOAA, Fisheries	(919) 728-8746
RICHARD HAMILTON	NC WILDLIFE RESOURCES Com.	919/733-3391
George Everett	NC Div Coastal Mgmt	919-733-2293
Bill Hogarth	NC Div. Marine Fisheries	919-726-7021
Jim Turner	USGS	919-856-4510
Jimmie Stewart	WRRI	919-737-2815
David W. Sides	WRRI Independent	919-735-2500
MIKE ORBACH	RCM/MSC	919 757-6883
Tom Ellis	NC Dept of Agriculture	919-733-7125
Bill Cole	US FWS	919 726 7021
Randy White	EPA, REGION III	215-597-3425
CECIL W. SETTLE	USDA-SCS	919-790-2909
R. Paul Williams	WRRI DEPT	919-735 7013
BRUCE BARRETT	EPA REG 4	404-347-4450
Bob Holman	A/P Study	(919) 733-2019
Larry Mingo	VA Council on the Environment	504/716-4500
Jack Leonard	A/P Study	919/946-6451
Tony Stokem	N.L. Marine Fisheries	919/942-6431
TOM QUAY	PCAC	919/828-9874
Fred White	DFR NRCO	919/733-2162
Mike Gantt	FWS	919/856-4520
Kathy Morrison	NRCO	
Ted Biederfeld	EPA - Region IV	